IBM Emptoris Contract Management

Web Services Developer's Guide

Version 10.0.2.5

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Note: Before using this information and the product it supports, read the information in Notices on page 307.

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Contents

Introduction **9**

WSDL 9

How to Navigate This Document 9

WSDL Elements **11**

Categories of Emptoris Web Services **13**

Contract 14

createFiledContract 15

createFiledAmendmentContract 19

createAuthoredContract 22

createAuthoredContractwithLinesAttachment 26

createQuote 31

createAmendment 35

createReceivedContract 38

createReceivedAmendment 42

withdrawContract 46

deleteContracts 47

search 48

get 55

getProperties 56

updateProperties 57

updateSubstatus 60

setInternalParty 61

setExternalParty 62

removeParties 63

addAddress 64

addLines 65

deleteAllLines 66

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addBulkLines 67
removeAddress 69
getAttachment 70
addAttachment 71
removeAttachment 73
updateAttachment 74
searchAttachment 76
addAttachmentToLanguage 77
getAttachmentFromLanguage 78
addComment 79
getComment 81
addTerm 82
removeTerm 83
updateTerm 84
updateTerms 85
getTerm 87
updateCustomProperty 88
updateCustomProperties 89
executeQuoteContract 89
executeFiledContract 90
executeFiledAmendmentContract 91
executeAmendmentContract 92
executeContract 94
getLines 96
getLanguage 96
getRelationships 98
setContractsRelationship 100
updatePrimaryContact 101
getContractApprovalActivity 102
Contract Class 103
create 103

getContractClasses 104
Contract Instance 105
readUserPermissions 105
readPermissionUsers 106
addUserPermissions 106
addPermissionUsers 107
removeUserPermissions 108
removePermissionUsers 108
Contract Template 109
search 109
searchWithLineDefinitions 111
Interview Instance 112
createInterviewInstance 112
search 114
get 114
Currency 115
search 115
Custom Property 117
create 117
get 119
search 120
Folder 121
createFolder 121
addContracts 122
removeContracts 123
getContractsInFolder 124
getFoldersForContract 124
search 125
deleteFolder 126
moveContractsToFolder 127
copyContractsToFolder 128

Organization 129
Organization: Address 129
search 129
get 131
updateAddress 132
Organization: Individual 133
search 133
get 137
getProperties 138
addAlias 138
removeAlias 139
Organization: Organization 140
get 141
getProperties 142
updateProperties 142
search 144
orgSelector 146
addAlias 147
removeAlias 148
updateCustomProperty 149
updateCustomProperties 150
addRelationship 150
removeRelationship 151
Pricelist 152
create 152
search 154
get 156
addEntry 157
Product 159
create 159
search 161

get 163
updateProperties 164
Relationship Type 166
search 166
get 168
Security 169
Security: Permission 169
search 169
Security: Permission Group 171
create 171
search 173
get 174
addPermisssions 175
removePermissions 176
Security: User 177
get 178
Security: User Group 178
search 179
get 180
Single Sign-on 181
getUrl 181
Task 183
get 183
reassignTask 184
search 185
searchDetail 186
searchDetailbyUserId 188
Term Definition 189
create 189
get 193

search 194
addLovs 195
getLovs 196
deleteLovs 197
getByLabel 198
Value List 198
get 199
getTypes 199
addValues 200
updateProperties 201
updateValues 202
Appendix A: Simple Data Types 205
Appendix B1: Complex Data Types 239
Appendix B2: Complex Data Types 257
Appendix B3: Complex Data Types 269
Appendix B4: Complex Data Types 285
Appendix C: Faults 301
Appendix D: getURL Web Service Code Guideline 303
Appendix E: Web service-Interview Design Input Control Map 305
Notices 307

Introduction

1

IBM® Emptoris® Contract Management Web Services represent functional interfaces or services that expose the Emptoris Contract Management logical object model and the associated process models to external access. This publication provides a list of the Emptoris Contract Management Web Services Definition Language files (WSDLs) that the Emptoris Contract Management user can avail to access the Emptoris Contract Management database. The WSDLs are arranged according to Emptoris Contract Management logical objects and processes. Each web service provides a specific functional interface or service that exposes the Emptoris Contract Management logical object model and the associated process models to external access.

WSDL

The WSDL is the key element enabling web services. It is an XML file that describes the web service's interfaces (address, messages, operations, etc.) to the outside world. It is also a key to interoperability, since different clients using different languages can use the same service, regardless of the underlying technology.

How to Navigate This Document

The web services within each category contain tables listing its Inputs, Outputs, and Faults. Within each table, there may be hyperlinks to various common, simple, and complex WSDL types. Appendixes of these common, simple, and complex WSDL types are located in the Appendixes of this document. Clicking a hyperlink within an Input, Output, or Fault table, will take you to the corresponding common, simple, or complex element. Please see the example below for more information.

Document Usage Example:

Element Name	Type	Length	Description	LOV	Mandatory
Contract Name	Contract Name (String)	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.		Y

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WSDL Elements

2

Element	Description
Types	Data types
Messages	Input and output parameters of the operations
Operations	Relationship between input & output parameters
Port Type	Logical grouping of operations/methods
Bindings	Protocol to be used for accessing the operations
Service	Address of the service

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Categories of Emptoris Web Services

3

The following categories of web services are described in this publication:

Category	Description
Contract	Describes the contract-related activities for a contract.
Contract Class	Describes the contract-class-related activities for a contract-class.
Contract Instance	Describes the contract-related activities for a contract object.
Contract Template	Describes the contract-template-related activities for a contract-template.
Interview Instance	Describes the interview-related activities for an Interview Instance.
Currency	Describes the currency-related activities for a contract's currency.
Custom Property Definition	Describes the custom-property-related activities for a contract's custom properties.
Folder	Describes the folder-related activities for a contract's folder.
Organization	Describes the retrieve, and update operations for Organizations, Addresses, and Individual objects.
Pricelist	Describes the pricelist-related activities for a contract's pricelists.
Product	Describes the product-related activities for a contract's products.
Relationship Type	Describes the relationship-related activities for a contract's relationships.
Security	Describes the retrieve, delete, and add operations for a user into a user group.
Single Sign-On	Describes the single sign on related activities for a contract's URL.
Task	Describes the task-related activities for a contract's tasks.

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Category	Description
Term Definition	Describes the term-related activities for a contract's terms.
Value List	Describes the value-list-related activities for a contract's value-lists.

Contract

The following services are available for the Contract Object.

- createFiledContract
- createFiledAmendmentContract
- createAuthoredContract
- createQuote
- createAmendment
- createReceivedContract
- createReceivedAmendment
- withdrawContract
- deleteContracts
- search
- get
- getProperties
- updateProperties
- updateSubstatus
- setInternalParty
- setExternalParty
- removeParties
- addAddress
- removeAddress
- addAttachment
- getAttachment
- removeAttachment
- updateAttachment
- searchAttachment
- addAttachmentToLanguage
- getAttachmentFromLanguage
- addComment

- getComment
- addTerm
- removeTerm
- updateTerm
- updateTerms
- getTerm
- updateCustomProperty
- updateCustomProperties
- executeQuoteContract
- executeFiledContract
- executeFiledAmendmentContract
- executeAmendmentContract
- executeContract
- getLines
- getLanguage
- getRelationships
- setContractsRelationship
- updatePrimaryContact
- createAuthoredContractwithLinesAttachment
- addLines
- addBulkLines
- deleteAllLines
- getContractApprovalActivity

createFiledContract

This web service creates a filed contract.

Inputs

Element Name	Type	Length	Description	LOV	Man-datory
Contract Name	Contract Name (String)	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.	n/a	Y

Element Name	Type	Length	Description	LOV	Man-datory
Title	Contract Title (String)	1- 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts.	n/a	N
Sub-status	Set-substatus	Com-plex	Complex type used to set the optional Contract substatus. See Appendix B for more details.	n/a	N
Currency	Currency Code (String)	n/a	Identifies the currency used in this contract.	n/a	N
Notes	Notes (String)	0 - 1300	Notes associated with this contract	n/a	N
Effective Start Date	Date	n/a	Effective Start Date of Contract	n/a	N
Effective Start Time	Time	n/a	Effective Start Time of Contract	n/a	N
Effective End Date	Date	n/a	Effective End Date of Contract	n/a	N
Effective End Time	Time	n/a	Effective End Time of Contract	n/a	N
Execution Date	Date	n/a	Execution Date of Contract	n/a	N
Execution Time	Time	n/a	Execution Time of Contract	n/a	N
Region	Region (String)	0 - 150	Contract Region	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Internal Contact ID	UUID (String)	1 - 32	Idetifies the internal contact	n/a	N
Internal Parties	Internal Parties Input	n/a	List of internal parties	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
External Parties	External Parties Input	n/a	List of external parties	n/a	N
Clauses	Clauses Create Data	Com-plex	Pointer to an array of Clause Template IDs	n/a	N
Attachments	Attachments Create Data	Com-plex	Pointer to an array of Attachment data records.	n/a	N
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N
Terms	Terms Create Data	Com-plex	Pointer to an array of Term data records	n/a	N
Lines	Lines Create Data	Com-plex	Pointer to an array of Line data records	n/a	N
Custom Properties	Custom Properties Create Data	Com-plex	Pointer to an array of Custom Property records	n/a	N
Rela-tionships	Rela-tionships Create Data	Com-plex	Pointer to an array of Relationship records	n/a	N
Owning Organ-ization ID	UUID (String)	1 – 32	Identifies the owning organization	n/a	N
Owning Organ-ization External ID	String	1 - 32	Identifies the Owning Organization		N
Owning Organ-ization Name	Organ-ization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Affiliated Organ-ization ID	UUID (String)	32	Identifies the affiliated organization.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Affiliated Organization External ID	String	1 - 32	Identifies the Affiliated Organization	n/a	N
Affiliated Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Affiliated Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Skip Faults	Boolean			n/a	N
Template Reference	UUID (String)	32	Identifies the Contract Template used to create this contract	n/a	Y
Category	String	LOV	Identifies the contract category	Buy Sell Other	Y
Attach Template Language	Boolean		Indicator to create filed contract using the contract template language as source.	n/a	N
Contract Deletion Data	Contract Deletion	Complex	Contract deletion data	n/a	N

Outputs

Element Name	Type	Length	Description
Create Response	UUID (String)	32	Returns the UUID (unique identifier) of the new contract

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

createFiledAmendmentContract

This web service creates a filed amendment in the contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Contract Name	Contract Name (String)	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.	n/a	Y
Title	Contract Title (String)	1– 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts.	n/a	N
Sub-status	Set-substatus	Complex	Complex type used to set the optional Contract substatus. See Appendix B for more details.	n/a	N
Currency	Currency Code (String)	n/a	Identifies the currency used in this contract.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Notes	Notes (String)	0 - 1300	Notes associated with this contract	n/a	N
Effective Start Date	Date	n/a	Effective Start Date of Contract	n/a	N
Effective Start Time	Time	n/a	Effective Start Time of Contract	n/a	N
Effective End Date	Date	n/a	Effective End Date of Contract	n/a	N
Effective End Time	Time	n/a	Effective End Time of Contract	n/a	N
Execution Date	Date	n/a	Execution Date of Contract	n/a	N
Execution Time	Time	n/a	Execution Time of Contract	n/a	N
Region	Region (String)	0 - 150	Contract Region	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Internal Contact ID	UUID (String)	1 - 32	Idetifies the internal contact	n/a	N
Internal Parties	Internal Parties Input	n/a	List of internal parties	n/a	N
External Parties	External Parties Input	n/a	List of external parties	n/a	N
Clauses	Clauses Create Data	Complex	Pointer to an array of Clause Template IDs	n/a	N
Attachments	Attachments Create Data	Complex	Pointer to an array of Attachment data records.	n/a	N
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N
Terms	Terms Create Data	Complex	Pointer to an array of Term data records	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Lines	Lines Create Data	Complex	Pointer to an array of Line data records	n/a	N
Custom Properties	Custom Properties Create Data	Complex	Pointer to an array of Custom Property records	n/a	N
Relationships	Relationships Create Data	Complex	Pointer to an array of Relationship records	n/a	N
Owning Organization ID	UUID (String)	1 – 32	Identifies the owning organization	n/a	N
Owning Organization External ID	String	1 - 32	Identifies the owning organization		N
Owning Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Owning Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Affiliated Organization ID	UUID (String)	32	Identifies the affiliated organization.	n/a	N
Affiliated Organization External ID	String	1 - 32	Identifies the Affiliated Organization	n/a	N
Affiliated Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Affiliated Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Skip Faults	Boolean			n/a	N
Template Reference	UUID (String)	32	Identifies the Contract Template used to create this contract	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
attachment-template-language	Boolean		Creates an amendment using the attachment template language	n/a	N
Contract ID	UUID (String)	32	Base Contract ID	n/a	Y

Outputs

Element Name	Type	Length	Description
Create Response	UUID (String)	32	Returns the UUID (unique identifier) of the new contract

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

createAuthoredContract

This web service creates an authored contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Contract Name	Contract Name (String)	1 - 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.	n/a	Y
Title	Contract Title (String)	1- 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts.	n/a	N
Sub-status	Set-substatus	Complex	Complex type used to set the optional Contract substatus. See Appendix B for more details.	n/a	N
Currency	Currency Code (String)	n/a	Identifies the currency used in this contract.	n/a	N
Notes	Notes (String)	0 - 1300	Notes associated with this contract	n/a	N
Effective Start Date	Date	n/a	Effective Start Date of Contract	n/a	N
Effective Start Time	Time	n/a	Effective Start Time of Contract	n/a	N
Effective End Date	Date	n/a	Effective End Date of Contract	n/a	N
Effective End Time	Time	n/a	Effective End Time of Contract	n/a	N
Execution Date	Date	n/a	Execution Date of Contract	n/a	N
Execution Time	Time	n/a	Execution Time of Contract	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Region	Region (String)	0 - 150	Contract Region	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Internal Contact ID	UUID (String)	1 - 32	Idetifies the internal contact	n/a	N
Internal Parties	Internal Parties Input	n/a	List of internal parties	n/a	N
External Parties	External Parties Input	n/a	List of external parties	n/a	N
Clauses	Clauses Create Data	Complex	Pointer to an array of Clause Template IDs	n/a	N
Attachments	Attachments Create Data	Complex	Pointer to an array of Attachment data records.	n/a	N
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N
Terms	Terms Create Data	Complex	Pointer to an array of Term data records	n/a	N
Lines	Lines Create Data	Complex	Pointer to an array of Line data records	n/a	N
Custom Properties	Custom Properties Create Data	Complex	Pointer to an array of Custom Property records	n/a	N
Relationships	Relationships Create Data	Complex	Pointer to an array of Relationship records	n/a	N
Owning Organization ID	UUID (String)	1 - 32	Identifies the owning organization	n/a	N
Owning Organization External ID	String	1 - 32	Identifies the Owning Organization	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Owning Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Owning Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Affiliated Organization ID	UUID (String)	1 -32	Identifies the affiliated organization.	n/a	N
Affiliated Organization External ID	String	1 - 32	Identifies the Affiliated Organization	n/a	N
Affiliated Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Affiliated Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Skip Faults	Boolean			n/a	N
Template Reference	UUID (String)	32	Identifies the Contract Template used to create this contract	n/a	Y
Category	String	LOV	Identifies the contract category	Buy Sell Other	Y
Contract Deletion Data	Contract Deletion	Complex	Contract deletion data	n/a	N

Outputs

Element Name	Type	Length	Description
Create-auth-Response	UUID (String)	32	Returns the UUID (unique identifier), contract number and faults of the new contract

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

createAuthoredContractwithLinesAttachment

This web service creates an authored contract with contract lines in integrated or standalone environment.

Get and include the format in which the csv file is required.

Considerations

- The number of data definitions in a line definition cannot exceed 150.
- The maximum number of date type data definitions that can be present in the line is 50.
- The maximum number of numeric type (includes numeric, percent and currency) data definitions that can be present in the line is 50.
- The maximum number of text type data definitions that can be present in the line is 50.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Contract Name	Contract Name (String)	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.	n/a	Y
Title	Contract Title (String)	1– 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts.	n/a	N
Sub-status	Set-substatus	Complex	Complex type used to set the optional Contract substatus. See Appendix B for more details.	n/a	N
Currency	Currency Code (String)	n/a	Identifies the currency used in this contract.	n/a	N
Notes	Notes (String)	0 – 1300	Notes associated with this contract	n/a	N
Notes-Cat-egory	Notes (String)	0 - 128	Indicates the cat-egory of the note.	n/a	N
Effective Start Date	Date	n/a	Effective Start Date of Contract	n/a	N
Effective Start Time	Time	n/a	Effective Start Time of Contract	n/a	N
Effective End Date	Date	n/a	Effective End Date of Contract	n/a	N
Effective End Time	Time	n/a	Effective End Time of Contract	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Execution Date	Date	n/a	Execution Date of Contract	n/a	N
Execution Time	Time	n/a	Execution Time of Contract	n/a	N
Region	Region (String)	0 – 150	Contract Region	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Internal Contact ID	UUID (String)	1 – 32	Identifies the internal contact	n/a	N
Party ID	UUID (String)	1 - 32	An unique ID for the internal party.	n/a	N
Internal Party External ID	UUID (String)	1 - 32	An unique externally exposed ID of the internal party.		N
Party Name	String	1- 100	Name of the internal party.	n/a	N
Party Number	String	0 - 30	Unique number associated with the internal party.	n/a	N
Role	String		Role of the internal party.	n/a	N
Signatory Count	Integer		Number of signatories.	n/a	N
Primary contact ID	UUID (String)	1 - 32	Unique ID of the primary contact of the contract.	n/a	N
Individual Reference	UUID (String)	1- 32	Unique identifier of an individual.	n/a	N
External Parties	External Parties Input	n/a	List of external parties	n/a	N
Individual Reference	UUID (String)	1- 32	Unique identifier of an individual.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Clauses	Clauses Create Data	Complex	Pointer to an array of Clause Template IDs	n/a	N
Attachments	Attachments Create Data	Complex	Pointer to an array of Attachment data records.	n/a	N
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N
Terms	Terms Create Data	Complex	Pointer to an array of Term data records	n/a	N
Custom Properties	Custom Properties Create Data	Complex	Pointer to an array of Custom Property records	n/a	N
Relationships	Relationships Create Data	Complex	Pointer to an array of Relationship records	n/a	N
Owning Organization External ID	String	1 - 32	Identifies the Owning Organization	n/a	N
Owning Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Owning Organization Number	Party Number (String)	1 - 30	Number of the organization	n/a	N
Affiliated Organization ID	UUID (String)	1 -32	Identifies the affiliated organization.	n/a	N
Affiliated Organization External ID	String	1 - 32	Identifies the Affiliated Organization	n/a	N
Affiliated Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Affiliated Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Skip Faults	Boolean		This enables or disables adding the lines.	n/a	Y
Lines Attachment	Compressed CSV file (Binary)		Accepts a compressed CSV* file format only.	n/a	N
Template Reference	UUID (String)	32	Identifies the Contract Template used to create this contract	n/a	Y
Category	String	LOV	Identifies the contract category	Buy Sell Other	Y
Contract Deletion Data	Contract Deletion	Complex	Contract deletion data	n/a	N

* Note: The compressed CSV file for line attachment must satisfy the following prerequisites:

1. Use of UTF-8 encoding only.
2. Use of Tilde(~) field separator character all across.
3. Use of a character to use to enclose fields containing a separator and a carriage return.
4. Double quotes needs to be escaped.
5. Line separator would be carriage returned (new line/linefeed).
6. Each new line definition must start with tilde(~).
7. The 'line-identifier' must not start with tilde(~).
8. The field definition must strictly follow the sequence of name, label, type, characters, decimals, minimum, and maximum.
9. The field data values must follow the order of field definitions.
10. In case of line definition names have duplicate names, first occurrence will be considered valid and the line data from duplicate definition will be associated/appended to the first occurrence.

Outputs

Element Name	Type	Length	Description
Create-auth-Response	UUID (String)	32	Returns the UUID (unique identifier), contract number and faults of the new contract

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific web services faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific web services faults are listed in Appendix C.
AuthoredContractCreationFault	Complex	Descriptions of various reasons stopping creation of authored contract.

createQuote

This web service creates a Quote.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Name	Contract Name (String)	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Title	Contract Title (String)	1- 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts.	n/a	N
Sub-status	Set-substatus	Complex	Complex type used to set the optional Contract substatus. See Appendix B for more details.	n/a	N
Currency	Currency Code (String)	n/a	Identifies the currency used in this contract.	n/a	N
Notes	Notes (String)	0 - 1300	Notes associated with this contract	n/a	N
Effective Start Date	Date	n/a	Effective Start Date of Contract	n/a	N
Effective Start Time	Time	n/a	Effective Start Time of Contract	n/a	N
Effective End Date	Date	n/a	Effective End Date of Contract	n/a	N
Effective End Time	Time	n/a	Effective End Time of Contract	n/a	N
Execution Date	Date	n/a	Execution Date of Contract	n/a	N
Execution Time	Time	n/a	Execution Time of Contract	n/a	N
Region	Region (String)	0 - 150	Contract Region	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Internal Contact ID	UUID (String)	1 - 32	Idetifies the internal contact	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Internal Parties	Internal Parties Input	n/a	List of internal parties	n/a	N
External Parties	External Parties Input	n/a	List of external parties	n/a	N
Clauses	Clauses Create Data	Complex	Pointer to an array of Clause Template IDs	n/a	N
Attachments	Attachments Create Data	Complex	Pointer to an array of Attachment data records.	n/a	N
Terms	Terms Create Data	Complex	Pointer to an array of Term data records	n/a	N
Lines	Lines Create Data	Complex	Pointer to an array of Line data records	n/a	N
Custom Properties	Custom Properties Create Data	Complex	Pointer to an array of Custom Property records	n/a	N
Relationships	Relationships Create Data	Complex	Pointer to an array of Relationship records	n/a	N
Owning Organization ID	UUID (String)	1 – 32	Identifies the owning organization	n/a	N
Owning Organization External ID	String	1 - 32	Identifies the Owning Organization		N
Owning Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Owning Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Affiliated Organization ID	UUID (String)	1-32	Identifies the affiliated organization.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Affiliated Organization External ID	String	1 - 32	Identifies the Affiliated Organization		N
Affiliated Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Affiliated Organization Number	Party Number (String)	1 - 30	Number of the organization	n/a	N
Skip Faults	Boolean			n/a	N
Template Reference	UUID (String)	32	Identifies the Contract Template used to create this contract	n/a	Y
Start Date	Date		Effective Start Date of Quote	n/a	Y
Start Time	Time		Effective Start Time of Quote	n/a	Y
End Date	Date		Effective End Date of Quote	n/a	Y
End Time	Time		Effective End Time of Quote	n/a	Y
Contract Deletion Data	Contract Deletion	Complex	Contract deletion data	n/a	N

Outputs

Element Name	Type	Length	Description
Create Response	UUID (String)	32	Returns the UUID (unique identifier) of the new contract

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

createAmendment

This web service creates an amendment to an existing contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Name	Contract Name (String)	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.	n/a	Y
Title	Contract Title (String)	1– 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Sub-status	Set-substatus	Complex	Complex type used to set the optional Contract substatus. See Appendix B for more details.	n/a	N
Currency	Currency Code (String)	n/a	Identifies the currency used in this contract.	n/a	N
Notes	Notes (String)	0 - 1300	Notes associated with this contract	n/a	N
Effective Start Date	Date	n/a	Effective Start Date of Contract	n/a	N
Effective Start Time	Time		Effective Start Time of Contract	n/a	
Effective End Date	Date	n/a	Effective End Date of Contract	n/a	N
Effective End Time	Time		Effective End Time of Contract	n/a	
Execution Date	Date	n/a	Execution Date of Contract	n/a	N
Execution Time	Time	n/a	Execution Time of Contract	n/a	N
Region	Region (String)	0 - 150	Contract Region	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Internal Contact ID	UUID (String)	1 - 32	Identifies the internal contact	n/a	N
Internal Parties	Internal Parties Input	n/a	List of internal parties	n/a	N
External Parties	External Parties Input	n/a	List of external parties	n/a	N
Clauses	Clauses Create Data	Complex	Pointer to an array of Clause Template IDs	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Attachments	Attachments Create Data	Complex	Pointer to an array of Attachment data records.	n/a	N
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N
Terms	Terms Create Data	Complex	Pointer to an array of Term data records	n/a	N
Lines	Lines Create Data	Complex	Pointer to an array of Line data records	n/a	N
Custom Properties	Custom Properties Create Data	Complex	Pointer to an array of Custom Property records	n/a	N
Relationships	Relationships Create Data	Complex	Pointer to an array of Relationship records	n/a	N
Owning Organization ID	UUID (String)	1 – 32	Identifies the owning organization	n/a	N
Owning Organization External ID	String	1 - 32	Identifies the Owning Organization		N
Owning Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Owning Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Affiliated Organization ID	UUID (String)	1-32	Identifies the affiliated organization.	n/a	N
Affiliated Organization External ID	String	1 - 32	Identifies the Affiliated Organization		N
Affiliated Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Affiliated Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Skip Faults	Boolean			n/a	N
Template Reference	UUID (String)	32	Identifies the Contract Template used to create this contract	n/a	Y
Contract ID	UUID (String)	32	Identifies the contract to be amended	n/a	Y

Outputs

Element Name	Type	Length	Description
Create Response	UUID (String)	32	Returns the UUID (unique identifier) of the new amendment contract.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

createReceivedContract

This web service creates a received contract.

It is mandatory to include a contract template when creating a received contract using the `createReceivedContract` web service.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Name	Contract Name (String)	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.	n/a	Y
Title	Contract Title (String)	1– 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts.	n/a	N
Sub-status	Set-substatus	Complex	Complex type used to set the optional Contract substatus. See Appendix B for more details.	n/a	N
Currency	Currency Code (String)	20	Identifies the currency used in this contract.	n/a	N
Notes	Notes (String)	0 – 1300	Notes associated with this contract	n/a	N
Effective Start Date	Date	n/a	Effective Start Date of Contract	n/a	N
Effective Start Time	Time	n/a	Effective Start Time of Contract	n/a	N
Effective End Date	Date	n/a	Effective End Date of Contract	n/a	N
Effective End Time	Time	n/a	Effective End Time of Contract	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Execution Date	Date	n/a	Execution Date of Contract	n/a	N
Execution Time	Time	n/a	Execution Time of Contract	n/a	N
Region	Region (String)	0 - 150	Contract Region	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Internal Contact ID	UUID (String)	1 - 32	Idetifies the internal contact	n/a	N
Internal Parties	Internal Parties Input	n/a	List of internal parties	n/a	N
External Parties	External Parties Input	n/a	List of external parties	n/a	N
Clauses	Clauses Create Data	Complex	Pointer to an array of Clause Template IDs	n/a	N
Attachments	Attachments Create Data	Complex	Pointer to an array of Attachment data records.	n/a	N
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N
Terms	Terms Create Data	Complex	Pointer to an array of Term data records	n/a	N
Lines	Lines Create Data	Complex	Pointer to an array of Line data records	n/a	N
Custom Properties	Custom Properties Create Data	Complex	Pointer to an array of Custom Property records	n/a	N
Relationships	Relationships Create Data	Complex	Pointer to an array of Relationship records	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Owning Organization ID	UUID (String)	1 – 32	Identifies the owning organization	n/a	N
Owning Organization External ID	String	1 - 32	Identifies the Owning Organization	n/a	N
Owning Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Owning Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Affiliated Organization ID	UUID (String)	1 -32	Identifies the affiliated organization.	n/a	N
Affiliated Organization External ID	String	1 - 32	Identifies the Affiliated Organization	n/a	N
Affiliated Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Affiliated Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Skip Faults	Boolean			n/a	N
Template Reference	UUID (String)	32	Identifies the Contract Template used to create this contract	n/a	Y
Language file	Received Lan-guage Data	Complex	Language document (.docx) from which the contract is created.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
word-doc-has-contract-title	Boolean		Default is False. Set to True if the Contract Title is included in the language file.	n/a	N
Category	String	LOV	Identifies the contract category	Buy Sell Other	Y
Contract Deletion Data	Contract Deletion	Complex	Contract deletion data	n/a	N
Time Zone	String	n/a	Time zone for the con-tract.	n/a	N

Outputs

Element Name	Type	Length	Description
Create-auth-Response	UUID (String)	32	Returns the UUID (unique identifier), contract number and faults of the new contract

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

createReceivedAmendment

This web service creates a received amendment to an existing contract.

It is mandatory to include a contract template when creating a received contract using the `createReceivedAmendment` web service.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Name	Contract Name (String)	1 - 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.	n/a	Y
Title	Contract Title (String)	1- 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts.	n/a	N
Sub-status	Set-substatus	Complex	Complex type used to set the optional Contract substatus. See Appendix B for more details.	n/a	N
Currency	Currency Code (String)	n/a	Identifies the currency used in this contract.	n/a	N
Notes	Notes (String)	0 - 1300	Notes associated with this contract	n/a	N
Effective Start Date	Date	n/a	Effective Start Date of Contract	n/a	N
Effective Start Time	Time		Effective Start Time of Contract	n/a	
Effective End Date	Date	n/a	Effective End Date of Contract	n/a	N
Effective End Time	Time		Effective End Time of Contract	n/a	

Element Name	Type	Length	Description	LOV	Mandatory
Execution Date	Date	n/a	Execution Date of Contract	n/a	N
Execution Time	Time	n/a	Execution Time of Contract	n/a	N
Region	Region (String)	0 - 150	Contract Region	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Internal Contact ID	UUID (String)	1 - 32	Identifies the internal contact	n/a	N
Internal Parties	Internal Parties Input	n/a	List of internal parties	n/a	N
External Parties	External Parties Input	n/a	List of external parties	n/a	N
Clauses	Clauses Create Data	Complex	Pointer to an array of Clause Template IDs	n/a	N
Attachments	Attachments Create Data	Complex	Pointer to an array of Attachment data records.	n/a	N
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N
Terms	Terms Create Data	Complex	Pointer to an array of Term data records	n/a	N
Lines	Lines Create Data	Complex	Pointer to an array of Line data records	n/a	N
Custom Properties	Custom Properties Create Data	Complex	Pointer to an array of Custom Property records	n/a	N
Relationships	Relationships Create Data	Complex	Pointer to an array of Relationship records	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Owning Organization ID	UUID (String)	1 – 32	Identifies the owning organization	n/a	N
Owning Organization External ID	String	1 - 32	Identifies the Owning Organization		N
Owning Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Owning Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Affiliated Organization ID	UUID (String)	1-32	Identifies the affiliated organization.	n/a	N
Affiliated Organization External ID	String	1 - 32	Identifies the Affiliated Organization		N
Affiliated Organization Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Affiliated Organization Number	Party Number (String)	1 – 30	Number of the organization	n/a	N
Skip Faults	Boolean			n/a	N
Template Reference	UUID (String)	32	Identifies the Contract Template used to create this contract	n/a	Y
Contract ID	UUID (String)	32	Identifies the contract to be amended	n/a	Y
Language file	Received Language Data	Complex	Language document (.docx) from which the contract is created.	n/a	Y
word-doc-has-contract-title	Boolean		Default is False. Set to True if the Contract Title is included in the language file.	n/a	N

Outputs

Element Name	Type	Length	Description
Create Response	UUID (String)	32	Returns the UUID (unique identifier) of the new amendment contract.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

withdrawContract

This web service withdraws an existing contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication (Complex)	n/a	Authentication block in the request.	n/a	Y
Contract Id	UUID (Simple)	32	Refers to the UUID in the common domain. This will be the UUID of the contract intended to be withdrawn.	n/a	Y
Comment Text	String	n/a	Refers to the comment added while withdrawing the contract.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
AuthenticationFault	String	This is one of the Standard Operation Faults. Most likely it will occur when a user, credential, or password is invalid.
AuthorizationFault	String	This is one of the Standard Operation Faults that occurs when web service integration cannot be achieved due to an authorization failure.
ContractLockFault	String	This fault occurs when the contract object is locked and cannot be accessed by the system.
ObjectNotFoundFault	String	This fault occurs when web service integration cannot find a particular object in the system. Applicable here if the internal contact id or contract id provided in the request are invalid.
SystemFault	String	This is one of the Standard Operation Faults that occurs when there is a system issue preventing successful web service integration.
StandardOperationFaults	List	AuthenticationFault, AuthorizationFault, and SystemFault.

deleteContracts

This web service deletes the specified contracts.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authen-tication	Authen-tication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
UUIDS	UUIDS	n/a	An array of contract-ids of contracts that needs to be deleted.	n/a	Y

Outputs

Element Name	Type	Length	Description
Delete Contracts Response	Failed Delete Contract	0 - unbounded	Returns an array of failed delete contract UUID (unique identifier) along with its reason.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

search

This web service returns descriptors of contracts that match the given search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Name	String Search Criteria	Complex	String Search Criteria	n/a	N
Contract Number	Number Search Criteria	Complex	Number Search Criteria	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
Cumulative Contract Total	Number Search Criteria	Com-plex	Number Search Criteria	n/a	N
Contract Category	Contract Category (String)	Value comes from list	Search Criteria for Contract Category.	“Buy”, “Sell”, “Other”	N
Contract Class	Contract Class (String)	1 - 300	Search Criteria for contract class.	n/a	N
Contract Nature	Contract Nature (String)	n/a	Search Criteria for Contract Nature.	“None” “Local” “Global”	N
Contract Status	Contract Status (String)	1 - 32	Search Criteria for Contract status.	"Active", "Draft", "Executed", "Expired", "In Negotiation", "On Hold", "Ter-minated", "Termination Pending", or "Withdrawn".	N
Company Name	String Search Criteria	Com-plex	String Search Criteria	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
Include External Company or Individual in Lines	Boolean	n/a	By default flag is set to 0 and search is limited to parties on the Parties tab. To search for parties on the Parties tab and the Lines tab, set to 1. If the flag is set, and the Company Name is not provided, an error occurs.	n/a	N
Effective Start Date	Date Search Criteria	Com-plex	Date Search Criteria	n/a	N
Effective End Date	Date Search Criteria	Com-plex	Date Search Criteria	n/a	N
Shared Contract Folder	String	n/a	Search Criteria for Shared Contract Folder	Assigned, Unassigned.	N
Shared Contract Folder Name	String	n/a	Search Criteria for Shared Contract Folder Name	n/a	N
Execution Date	Date Search Criteria	Com-plex	Date Search Criteria	n/a	N
Quote Start Date	Date Search Criteria	Com-plex	Date Search Criteria	n/a	N
Quote End Date	Date Search Criteria	Com-plex	Date Search Criteria	n/a	N
Contract Region	Region (String)	0 – 150	Search Criteria for Contract Region.	n/a	N
Keyword	String	n/a	Search Criteria for contract keywords.	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
Internal Contact First Name	String Search Criteria	Com-plex	String Search Criteria to search for contracts by Internal Contract First Names	n/a	N
Internal Contact Last Name	String Search Criteria	Com-plex	String Search Criteria to search for contracts by Internal Contract Last Names	n/a	N
Contract Origin	Contract Type (String)	1 - 32	Search Criteria for Contract origin	Authored, Filed, Quote, Amendment	N
Contract Origin Variant	Contract Variant		Additional search criteria for Filed contract or amendment based on the Origin Variant	Template Attachment, Template Language, External File, From Conversion, None	N
Contract Substatus	Contract Substatus (String)	0 - 150	Contract substatus for reference and notification purposes. Must match a defined value-name from the system-valuelist named "Con-tractSubStatus".	n/a	N
Terms	Terms Search Data	Com-plex	Complex Data Type to search for contract by Term data. See Appendix B for more details	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
Custom Properties	Custom Properties Search Data	Com-plex	Complex Data Type to search for contract by Custom Property data. See Appendix B for more details.	n/a	N
Include Amendments	Boolean	n/a	Whether to include Amendment or not in the Search Criteria.	n/a	N
Internal Contact SSO Id	UUID	n/a	UUID to search for contracts by Internal Contact SSO Id.	n/a	N
Internal Organization SSO Id	UUID	n/a	UUID to search for contracts by Internal Organization SSO Id.	n/a	N
External Contact SSO Id	UUID	n/a	UUID to search for contracts by External Contact SSO Id.	n/a	N
External Organization SSO Id	UUID	n/a	UUID to search for contracts by External Organization SSO Id.	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
Need Additional Info	Boolean	n/a	Attribute to control whether the response should contain the following elements: Contract Number, Contract Class, Effective Start Date & Effective Start Date. Default value is False.	n/a	N
External Organization Federal Tax Id	String Search Criteria	Com-plex	String Search Criteria	n/a	N
Internal Party Role	String	n/a	Role of internal party	n/a	N
External Party Role	String	n/a	Role of external party	n/a	N
Master ID	String	n/a	Master ID of an external party as generated in the Emptoris Strategic Supply Man-agement Plat-form.	n/a	N
Master Name	String		Name of external party mastered and defined in the Emptoris Strategic Supply Man-agement Plat-form.	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
External Party Unique ID	Number	n/a	Unique ID of the external party as generated in the Emptoris Strategic Supply Man-agement Plat-form.	n/a	N

Outputs

Element Name	Type	Length	Description
Contract Name	Contract Name	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.
Contract Reference	UUID	Complex	Refers to the UUID in the common domain.
Contract Number	Integer	n/a	Refers to the contract number.
Contract Class	String	1-300	Refers to the contract class.
Effective Start Date	Date Time	n/a	Refers to the effective start date of the contract.
Effective End Date	Date Time	n/a	Refers to the effective end date of the contract.
Internal Contact	Individual Descriptor	n/a	Refers to the effective internal contact of the contract.
Status	String	n/a	Refers to the contract status.
internal-pri-mary-party-com-pany-id	UUID	32	The internal party that has the primary role.
internal-pri-mary-party-com-pany-name	String	1- 100	Name of the primary internal party.
internal-party-primary-contact-id	UUID	32	Primary contact ID of internal party with primary role.

Element Name	Type	Length	Description
internal-party-primary-contact-name	Individual-name	n/a	Primary contact name of internal party with primary role.
internal-contacts	Internal-contact	n/a	List of internal contacts for the internal parties.
external-primary-party-company-id	UUID	32	The external party that has the primary role.
external-primary-party-company-name	String	1- 100	Name of the primary external party
external-party-primary-contact-id	UUID	32	Primary contact Id of external party with primary role.
external-party-primary-contact-name	Individual-name	n/a	Primary contact name of external party with primary role.
URL for the contract	URL	1-10000	The url for the contract.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
DataValidationFault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

get

This web service returns the complete contents of a contract when given a Contract ID.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Id	UUID	Complex	Refers to the UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Contract	Contract	Complex	Output of the get web service is the entire contract complex object. Please refer to Appendix B, “Complex Data Types” for a full description of the contract object.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getProperties

This web service returns the core properties of a contract given its ID. The core properties include only the simple data type attributes and excludes any fields that are links to other objects, such as clauses, terms, attachments, etc.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication		See Appendix B for details of this complex type.	n/a	Y
Id	UUID	Complex	Refers to the UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Contract Properties	Contract Properties	n/a	Output of the getProperties web service is the entire contract properties complex object. Please refer to the Complex Data Types section in the appendix for a full description of the contract properties object.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateProperties

This web service uses the contract ID to locate a contract and update one or many parameters on the contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Id	UUID (String)	32	Contract ID derived from the simple type "UUID"	n/a	Y
Name	Contract Name (String)	1 - 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts	n/a	N
Region	Region (String)	0 - 150	Region that the contract is in (from the common domain)	n/a	N
Class	Contract Class (String)	1 - 300	One contract class applies to each contract. A class serves as a classification of the contract.	n/a	N
Contract Nature	Contract Nature (String)	n/a	Classification of a contract by its nature - local, global, or null value.	"None" "Local" "Global"	N
Currency	Currency Code (String)	1 - 20	The system code for the currency used in the contract language.	n/a	N
Effective Start Date	Date	n/a	Effective start date of the contract.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Effective Start Time	Time	n/a	Effective start time of the contract.	n/a	N
Effective End Date	Date	n/a	Effective end date of the contract.	n/a	N
Effective End Time	Time	n/a	Effective end time of the contract.	n/a	N
Execution Date	Date	n/a	Date that the contract was executed	n/a	N
Execution Time	Time	n/a	Time that the contract was executed	n/a	N
Content Language ID	Language ID (String)	n/a	Currently not in use		N
Contract Deletion Data	Contract Deletion	Complex	Contract deletaion data	n/a	N

Outputs

Element Name	Type	Length	Description
None	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Fault Name	Type	Description
Invalid Date Range Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateSubstatus

This web service uses the contract ID to update the contract substatus (system-valuelist), notes, and notes category fields on the contract record.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Substatus	Contract Substatus (String)	0 - 150	Contract substatus for reference and notification purposes. Must match a defined value-name from the system-valuelist named "ContractSubStatus".	n/a	Y
Notes	Notes (String)	0 - 1300	This element represents the free-form text notes field on the contract.	n/a	N
Category	Notes Category (String)	0 - 128	This element represents the contract category and is derived from the common domain.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

setInternalParty

This web service sets the internal parties of a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Internal Parties	Internal Party	n/a	List of internal parties	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

setExternalParty

This web service sets the external parties of a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
External Parties	External Party	n/a	List of external parties	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are Emptoris Standard Operations Faults. Descriptions of Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removeParties

This web service removes internal or external parties from a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request Data	Remove Parties Data	n/a	The request data to remove parties (internal/external) from a contract.	n/a	Y

Outputs

Element Name	Type	Length	Description
Failed Remove Parties	Failed Remove Party	0 - unbounded	The Complex type contains the id, and the reason text. A complete description of this complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are Emptoris Standard Operations Faults. Descriptions of Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addAddress

This web service adds party's addresses to a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Party ID	UUID	32	id of the party to which address is to be added	n/a	Y
Addresses	Address References	n/a	List of address ids to be added	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addLines

This web service adds one or more contract lines to a contract. It supports maximum of 750 lines. You are recommended to use 'addBulkLines' web service instead of this web service.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID	1- 32	Unique contract ID.	n/a	Y
Skip Faults	Boolean		This enables or disables adding the lines.	n/a	Y
Lines Data	Lines Create Data		Pointer to an array of Line data records.	n/a	Y
Line Field Def-inition	Line Field Def-inition		This provides data def-initions for line fields.	n/a	N
Line Field List	Line Definition Properties		Provides data asso-ciated with line field definition.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Line Field	Line Field Definition		Provides name and label of the line field.		
Line field value	Value List Primitive Type Value		Provides values of defined line fields.	Y	N

Outputs

Element Name	Type	Length	Description
Success	Boolean		The value is True when the lines are added successfully; else False.
Faults	Complex		A LinesMappingFault can happen at Line definition, line field definition, or line data level. This fault resulting in a failure depends on the Skip Fault field value.

Faults

Fault Name	Type	Description
String Message	String	This is a simple message string that informs on the status of progress of this web service.
LinesMappingFault	Complex	The LineDefinitionNames fault, LineMapping fault, LineDefinitions fault are the faults that can cause this fault. This might result into success or failure of this web service. If Skip Fault field value is set to False, these faults would not be ignored and not all lines will be added.

deleteAllLines

This web service deletes all Lines form a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addBulkLines

This web service adds multiple lines to a contract. It supports maximum of 20,000 lines. You are recommended to use this web service over the 'addLines' web service.

Considerations

- The number of data definitions in a line definition cannot exceed 150.
- The maximum number of date type data definitions that can be present in the line is 50.
- The maximum number of numeric type (includes numeric, percent and currency) data definitions that can be present in the line is 50.
- The maximum number of text type data definitions that can be present in the line is 50.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	1- 32	Unique contract ID.	n/a	Y
Skip Faults	Boolean		This enables or disables adding the lines.	n/a	Y
Lines Attach-ment	Compressed CSV file (Binary)		Accepts a com-pressed CSV file format only.	n/a	Y

Note: The compressed CSV file for line attachment must satisfy the following prerequisites:

1. Use of UTF-8 encoding only.
2. Use of Tilde(~) field separator character all across.
3. Use of a character to use to enclose fields containing a separator and a carriage return.
4. Double quotes needs to be escaped.
5. Line separator would be carriage returned (new line/linefeed).
6. Each new line definition must start with tilde(~).
7. The 'line-identifier' must not start with tilde(~).
8. The field definition must strictly follow the sequence of name, label, type, characters, decimals, minimum, and maximum.
9. The field data values must follow the order of field definitions.
10. In case of line definition names have duplicate names, first occurrence will be considered valid and the line data from duplicate definition will be associated/appended to the first occurrence.

Outputs

Element Name	Type	Length	Description
Success	Boolean		The value is True when the lines are added successfully; else False.
Faults	Complex		A LinesMappingFault can happen at Line definition, line field definition, or line data level. This fault resulting in a failure depends on the Skip Fault field value.

Faults

Fault Name	Type	Description
String Message	String	This is a simple message string that informs on the status of progress of this web service.
LinesMappingFault	Complex	The LineDefinitionNames fault, LineMapping fault, LineDefinitions fault are the faults that can cause this fault. This might result into success or failure of this web service. If Skip Fault field value is set to False, these faults would not be ignored and not all lines will be added.

removeAddress

This web service removes party's addresses from a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Party ID	UUID	32	id of the party from which address is to be removed	n/a	Y
Addresses	Address References	n/a	List of address ids to be removed	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getAttachment

This web service requests attachment information using the contract reference and attachment ID as inputs, then returns the complex type attachment including all its corresponding elements.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Contract Reference	Contract Reference	Complex	The contract reference complex type contains the contract ID and contract revision.	n/a	Y
Attachment ID	UUID	1 - 32	Attachment ID based on the UUID data type from the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Attachment	Attachment	Complex	The Complex type attachment contains the id, name, mime-type, and data elements. A complete description of this complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addAttachment

This web service adds an attachment to a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Name	Attachment Name	1 – 32	Name of the attachment from the attachment domain.	n/a	Y
Mime-type	String	n/a	(Multipurpose Internet Mail Extension type) A method used by Web browsers to associate files of a certain type with helper applications that display files of that type.	n/a	Y
Data	base64Binary	n/a	This element is of type base 64 binary and It contains all the attachment data	n/a	Y
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removeAttachment

This web service removes an attachment from a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Attachment ID	UUID (String)	32	The attachment ID is based on the system generated UUID data type in the common domain.	n /a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateAttachment

This web service replaces an attachment associated with a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Attachment ID	UUID (String)	32	The attachment ID is based on the system generated UUID in the common domain.	n/a	Y
Name	Attachment Name	1 - 32	Name of the attachment from the attachment domain.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Mime-type	String	n/a	(Multipurpose Internet Mail Extension type) A method used by Web browsers to associate files of a certain type with helper applications that display files of that type.	n/a	Y
Data	base64Binary	n/a	This element is of type base 64 binary and It contains all the attachment data	n/a	Y
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

searchAttachment

This web service retrieves the contract attachments of the latest contract revision.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
String Query Operator	String Query Operator (String)	Value comes from list	Search Criteria for the attachment.	"Starts_ With" "Ends_ With" "Contains" "Equals"	N
Value	Attachment Name (String)	1-32	Name of the attachment from the attachment domain.	n/a	N

Outputs

Element Name	Type	Length	Description
Attachment	Attachment	Complex	Output of the searchAttachment web service is an array of attachment complex objects. Please refer to Appendix B, "Complex Data Types" for a full description of this object.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addAttachmentToLanguage

This web service adds an attachment to the Language tab for a Filed and Filed Amendment contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Name	Attachment Name	1 - 32	Name of the attachment from the attachment domain.	n/a	Y
Mime-type	String	n/a	(Multipurpose Internet Mail Extension type) A method used by Web browsers to associate files of a certain type with helper applications that display files of that type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Data	base64Binary	n/a	This element is of type base 64 binary and It contains all the attachment data	n/a	Y
Visible-to-all	Boolean	n/a	This element allows the user to set the visibility of the attachment for external parties.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getAttachmentFromLanguage

This web service is used for Filed contracts and Filed Amendment contracts to get attachment from Language tab. It requests attachment information using the contract reference and attachment ID as inputs, then returns the complex type attachment including all its corresponding elements.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Reference	Contract Reference	Complex	The contract reference complex type contains the contract ID and contract revision.	n/a	Y
Attachment ID	UUID	1 – 32	Attachment ID based on the UUID data type from the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Attachment	Attachment	Complex	The Complex type attachment contains the id, name, mime-type, and data elements. A complete description of this complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addComment

This web service adds a comment to a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Comment Text	String	n/a	User-defined text for the contract comment.	n/a	Y
Visible To All	String	n/a	Element determines which types of users can view the contract comment	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getComment

This web service uses the Contract Reference and Comment Reference complex types to return contract comment data.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authen-tication	Authen-tication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Reference	Contract Reference	Complex	The Contract Reference complex type contains the contract ID and contract revision.	n/a	Y
Comment Reference	Comment reference	Complex	The Comment Reference complex type contains the simple type UUID.	n/a	Y

Outputs

Element Name	Type	Length	Description
Comment	Comment	n/a	The Complex type comment contains the id, name, mime-type, and data elements. A complete description of this complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addTerm

This web service adds a term to a contract

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Term Name	String	1 - 30	Name of the term from the term domain.	n/a	Y
Value	Primitive Type Value	n/a	Primitive type value from the common domain	"string-value", "number-value", "date-value", "currency-value", "percent-value", "null-value"	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Duplicate Name Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removeTerm

This web service removes a term from a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Term Name	String	1 - 30	Name of the term from the term domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Illegal Operation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateTerm

This web service updates only a non-system term within a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Term Name	String	1 – 30	Name of the term from the term domain.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Value	Primitive Type Value	n/a	Primitive type value from the common domain	"string-value", "number-value", "date-value", "currency-value", "percent-value", "null-value"	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateTerms

This web service updates only non-system terms within a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Term Name	String	1 – 30	An array of term names from the term domain.	n/a	Y
Value	Primitive Type Value	n/a	Primitive type value from the common domain	"string-value", "number-value", "date-value", "currency-value", "percent-type", "null-value"	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getTerm

This web service gets a term and returns it for use on a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Reference	Contract Reference	Complex	The contract-reference complex type contains the contract ID and contract revision.	n/a	Y
Term Name	Term Name (String)	1 – 30	The term-name is a simple type from the term domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Term	Term	n/a	The Complex type term contains the name, type, and value elements. A complete description of this complex type can be found Appendix B.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateCustomProperty

This web service updates a custom property of a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Name	Custom Property Name	1 - 32	Name of the term from the custom property domain.	n/a	Y
Value	Custom Property Value	n/a	Complex type value from the custom property domain	"string", “number-value", "date-value"	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateCustomProperties

This web service updates multiple custom properties of a contract. The Inputs, Outputs and Faults are the same as the updateCustomProperty web service. For details, see updateCustomProperty on page 88

executeQuoteContract

This web service executes a quote contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Comment Text	String	n/a	User-defined text for the contract comment.	n/a	Y
Comment Visible To All	String	n/a	Element determines which types of users can view the contract comment.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

executeFiledContract

This web service executes a filed contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Comment Text	String	n/a	User-defined text for the contract comment.	n/a	Y
Comment Visible To All	String	n/a	Element determines which types of users can view the contract comment.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

executeFiledAmendmentContract

This web service executes a filed amendment contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Comment Text	String	n/a	User-defined text for the contract comment.	n/a	Y
Comment Visible To All	String	n/a	Element determines which types of users can view the contract comment.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

executeAmendmentContract

This web service executes an amendment contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Comment Text	String	n/a	User-defined text for the contract comment.	n/a	Y
Comment Visible To All	String	n/a	Element determines which types of users can view the contract comment.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Internal Contact Signature	String	128	Name of the internal user signing contract.	n/a	N
External Contact Signature	String	128	Name of the external user signing contract.	n/a	N
Internal Signature Date	Date	n/a	Internal signature date of the contract.	n/a	N
Internal Signature Time	Time	n/a	Internal signature time of the contract.	n/a	N
External Signature Date	Date	n/a	External signature date of the contract.	n/a	N
External Signature Time	Time	n/a	External signature time of the contract.	n/a	N
Effective Start Date	Date	n/a	Effective start date of the contract.	n/a	N
Effective Start Time	Time	n/a	Effective start time of the contract.	n/a	N
Effective End Date	Date	n/a	Effective end date of the contract.	n/a	N
Effective End Time	Time	n/a	Effective end time of the contract.	n/a	N
Execution Date	Date	n/a	Date that the contract was executed	n/a	N
Execution Time	Time	n/a	Time that the contract was executed	n/a	N
Execution Method	String	n/a	Method of executing contract	Ink Sign, Record Sign.	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

executeContract

This web service executes a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Execution Date	Date	n/a	Date that the contract was executed	n/a	N
Execution Time	Time	n/a	Time that the contract was executed	n/a	N
Effective Start Date	Date	n/a	Effective start date of the contract.	n/a	N
Effective Start Time	Time	n/a	Effective start time of the contract.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Effective End Date	Date	n/a	Effective end date of the contract.	n/a	N
Effective End Time	Time	n/a	Effective end time of the contract.	n/a	N
Internal Signatures	Internal Signatures Data	n/a	List of Internal party signatures	n/a	N
External Signatures	External Signatures Ddata	n/a	List of External party signatures	n/a	N
Comment Text	String	n/a	User-defined text for the contract comment.	n/a	N
Comment Visible To All	Boolean	n/a	Element determines which types of users can view the contract comment.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Contract Lock Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getLines

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Reference	Contract Reference	Complex	The contract reference complex type contains the contract ID and contract revision.	n/a	Y

Outputs

Element Name	Type	Length	Description
Response Data	Line Properties	n/a	Returns Line Definition Properties list and line field data list.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getLanguage

This web service reads the language of a contract.

For contracts that are not filed contracts, the web service returns the contract language as a *docx* document and the mime-type as *application/vnd.openxmlformats-officedocument.wordprocessingml.document*.

For contracts that were created using any Contract Management version prior to release 9.0 and that are not migrated to DOCX format, the get language web service returns the contract language in RTF format and the mime-type as *application/msword*.

Inputs

Element Name	Type	Length	Description	LOV	Man-datory
Authen-tication	Authen-tication	n/a	See Appendix B for details of this complex type.	n/a	Y
Reference	Contract Reference	Com-plex	The contract-reference complex type contains the contract ID and contract revision.	n/a	Y
Language Format	Language Format (String)	n/a	Format of the Language Display.	“docx” “Filed-contract” “All”	N

Outputs

Element Name	Type	Length	Description
Contract ID	UUID (String)	32	Returns the UUID (unique identifier) of the contract.
Contract Name	String	1 – 128	Name of a contract. Identification property of a contract for reference or notifications in all types of contracts.
IsFiledContract	Boolean	n/a	Boolean value to determine whether the type of a contract is a Filed type.

Element Name	Type	Length	Description
Contract Language	Contract-Language-Data	Complex	Contract language as per the format given or supported.
File Name	String	n/a	Returns the file name value for a filed contract.
Mime Type	String	n/a	Multipurpose Internet Mail Extension type.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getRelationships

This web service retrieves the relationship details for a contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication (Complex)	n/a	Authentication block in the request.	n/a	Y
Contract ID	UUID (Simple)	32	Refers to the UUID in the common domain. UUID of the contract whose relationship details are requested.	n/a	Y

Outputs

Element Name	Type	Length	Description
Relationship	String		Contract relationship.
Created On	DateTime	n/a	Date and time on which the contract was created.
Created By	UUID	32	Used throughout the system as unique identifier of objects.
Contract ID	UUID	32	UUID of the contract whose relationship details are requested.
Contract Name	String	1 – 128	Name of contract. Identification property of a contract for reference or notifications in all types of contracts.
Contract Number	Integer	n/a	Refers to the contract number.

Faults

Fault Name	Type	Description
AuthenticationFault	String	This is one of the Standard Operation Faults. Most likely it will occur when a user, credential, or password is invalid.
AuthorizationFault	String	This is one of the Standard Operation Faults that occurs when web service integration cannot be achieved due to an authorization failure.(For example, A user requests for the contract relationship details without having “Contract > Relationship > Read” permission)
ObjectNotFoundFault	String	This fault occurs when web service integration cannot find a particular object in the system. This is applicable here if the internal contact id or the contract id provided in the request are invalid.
SystemFault	String	This is one of the Standard Operation Faults that occurs when there is a system issue preventing successful web service integration.
StandardOperationFaults	List	AuthenticationFault, AuthorizationFault, and SystemFault.

setContractsRelationship

This web service adds multiple relationships to the contract object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authen-tication	Authen-tication (Complex)	n/a	Authentication block in the request.	n/a	Y
From Contract ID	UUID (Simple)	32	Refers to the UUID in the Common domain. UUID of the contract from which the relationship has to be defined.	n/a	Y
To Contract ID	UUID (Simple)	32	UUID of the contract to which the relationship has to be defined.	n/a	Y
Relationship Type ID	UUID (Simple)	32	Relationship ID those maps to the simple type UUID.	n/a	Y

Faults

Fault Name	Type	Description
AuthenticationFault	String	This is one of the Standard Operation Faults. Most likely it will occur when a user, credential, or password is invalid.
AuthorizationFault	String	This is one of the Standard Operation Faults that occurs when web service integration cannot be achieved due to an authorization failure.(For example, A user requests for the contract relationship details without having “Contract > Relationship > Read” permission)
ObjectNotFoundFault	String	This fault occurs when web service integration cannot find a particular object in the system. This is applicable here if the internal contact id or the contract id provided in the request are invalid.

Fault Name	Type	Description
SystemFault	String	This is one of the Standard Operation Faults that occurs when there is a system issue preventing successful web service integration.
ContractLockFault	String	This fault occurs when the contract object is locked and cannot be accessed by the system.
DataValidationFault	String	This fault occurs when one or more data validation rules are broken.

updatePrimaryContact

This web service updates the primary contact of an internal or external party of a contract.

Note: The user who invokes this web service should have the following permissions:
- Read permission on the specified contract.
- Read and update permission on parties on the contract

Also, this web service allows a user to update the primary contact though the contract is in post execution state (Active/On_Hold/Expired/Terminated/Terminate_Pending) provided that the user has “Contract > Update Executed Contract > Perform” permission.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication (Complex)	n/a	Authentication block in the request.	n/a	Y
Contract ID	Update Primary Contact Data (Complex)	n/a	Request data to update the primary contact of the party (internal/external).	n/a	Y

Faults

Fault Name	Type	Description
StandardOperationFaults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

Fault Name	Type	Description
ObjectNotFoundFault	String	This fault occurs when web service integration cannot find a particular object in the system. This is applicable here if the internal contact id or the contract id provided in the request are invalid.
DataValidationFault	String	This fault occurs when one or more data validation rules are broken.
ContractLockFault	String	This fault occurs when the contract object is locked and cannot be accessed by the system.

getContractApprovalActivity

This web service identifies contract approval activity for a particular revision.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract ID	UUID (String)	32	The contract ID is based on the system generated UUID in the common domain.	n/a	Y
Revision	Integer	0-1	Revision number for the contract.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Contract Class

- create
- getContractClasses

create

The following services are available for the Contract Class Object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	String	1 – 300	A contract class applies to each contract. It is a user-defined means to classify a contract.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

getContractClasses

This web service uses the request-data string to return the Contract Class information.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request-data	String	n/a	The request-data element uses the common string type to request contract class data	n/a	Y

Outputs

Element Name	Type	Length	Description
Contract-classes	Contract Classes	n/a	The Complex type, contract-classes, is composed of a list of the simple type element “contract class”. A contract class applies to each contract. It is a user-defined means to classify a contract. A complete description of the contract-classes complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

Contract Instance

The following services are available for the Contract Object.

- readUserPermissions
- readPermissionUsers
- addUserPermissions
- addPermissionUsers
- removeUserPermissions
- removePermissionUsers

readUserPermissions

This web service reads the user's permission at contract level.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
read-user-permissions-request	Read User Permissions Request	n/a	Input element to get the permissions / permission groups	n/a	y

Outputs

Element Name	Type	Length	Description
read-user-permissions-response	Read User Permissions Response	n/a	List of permissions containing permission / permission group id, permission / permission group name and permission group.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

readPermissionUsers

This web service reads the users belonging to permission at a contract level.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
read-permission-users-request	Read Permission Users Request	n/a	Input element to get the users / user groups	n/a	y

Outputs

Element Name	Type	Length	Description
read-permission-users-response	Read Permission Users Response	n/a	List of users containing user / user group id, user / user group name and user group

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addUserPermissions

This web service adds permissions to users at contract level.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
add-user-permissions-request	Add User Permissions Request	n/a	Input to add the permissions / permission groups to users / user groups	n/a	y

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addPermissionUsers

This web service adds users to permissions at contract level.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
add-permission-users-request	Add Permission Users Request	n/a	Input to add users / user groups to permissions / permission groups	n/a	y

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removeUserPermissions

This web service removes permissions from users at contract level.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
remove-user-permissions-request	Remove User Permissions Request	n/a	Input to remove permissions / permission groups from users / user groups	n/a	y

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removePermissionUsers

This web service removes users from permissions at contract level.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
remove-permission-users-request	Remove Permission Users Request	n/a	Input to remove users / user groups from permissions / permission groups	n/a	y

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Contract Template

The following services are available for the Contract Template Object.

- search
- searchWithLineDefinitions

search

The following services are available for the Contract Template Object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	String Search Criteria	Complex	String Search Criteria for Name	n/a	N
Title	String Search Criteria	Complex	String Search Criteria for Title	n/a	N
Contract Class	Contract Class (String)	1 – 300	Search Criteria for Contract Class	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
Suitable For	String	Value comes from list	Search Criteria for Contract Template Type	"Authored", "Filed", "Quote", "Amend-ment"	N
Contract Category	Contract Category (String)	Value comes from list	Search Criteria for Contract Category	“Buy”, “Sell”, “Other”	N
Keyword	String	n/a	Search Criteria for contract keywords.	n/a	N
Clause Title Keyword	String	n/a	Search Criteria for keyword from the clause title.	n/a	N
Clause Body Keyword	String	n/a	Search Criteria for keyword from the clause body.	n/a	N
Contract Guideline Keyword	String	n/a	Search Criteria for keyword from the contract guideline.	n/a	N
Contract Notes Keyword	String	n/a	Search Criteria for keyword from the contract notes section.	n/a	N
Last Modified By First Name	String Search Criteria	Com-plex	String Search Criteria	n/a	N
Last Modified By Last Name	String Search Criteria	Com-plex	String Search Criteria	n/a	N
Last Modified Date	Date Search Criteria	Com-plex	Date Search Criteria	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
Sort By	String	Com-plex	Sort by Contract Template Name, Title, Class, Status, Last Modified By, and Last Modified Date.	n/a	N

Outputs

Element Name	Type	Length	Description
Contract Template Descriptors	Contract template descriptors	n/a	The Complex type, Contract Template Descriptors, contains a list of Contract Template Descriptor. A complete description of the Contract Template Descriptor type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

searchWithLineDefinitions

This web service returns descriptors of contract templates that match the given search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
line-definition-name	String	1-30	Name of line definition.	n/a	Y

Outputs

Element Name	Type	Length	Description
Contract Template Descriptors	Contract template descriptors	n/a	The Complex type, Contract Template Descriptors, contains a list of Contract Template Descriptor. A complete description of the Contract Template Descriptor type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

Interview Instance

The following services are available for the Interview Instance Object.

- createInterviewInstance
- search
- get

createInterviewInstance

This web service creates an interview instance for a given interview template.

Inputs

Element Name	Type	Length	Description	LOV	Man-datory
Authen-tication	Authen-tication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Man-datory
Interview Instance Name	Name (String)	1 - 30	Name of the interview instance.	n/a	Y
Label	Label (String)	1 – 50	Label of the interview instance.	n/a	Y
Description	Description (String)	0 – 2000	Description of the interview instance.	n/a	N
Interview Template Name	Interview Template Name (String)	1 - 128	Identifies the interview template that this interview instance will be created based upon.	n/a	Y
Steps	Step	Com-plex	Pointer to an array of Step data records	n/a	N

Outputs

Element Name	Type	Length	Description
Create Response	UUID (String)	32	Returns the UUID (unique identifier) of the new interview instance

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

search

This web service returns descriptors of interview instance that matches the given search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Interview Instance Name	String Search Criteria	Complex	String Search Criteria	n/a	Y

Output

Element Name	Type	Length	Description
Interview Instances	Interview Instances	Complex	Output of the search web service is an array of interview complex objects. Please refer to Appendix B, “Complex Data Types” for a full description of this object.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

get

This web service returns the complete contents of an interview instance when given an Interview ID.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Id	UUID	Complex	Refers to the UUID in the common domain.	n/a	Y

Output

Element Name	Type	Length	Description
Interview Instance	Interview Instance	Complex	Output of the get web service is the entire interview instance complex object. Please refer to Appendix B, “Complex Data Types” for a full description of this object.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Currency

This service can be called on Currency objects.

- search

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of descriptors of currencies that match the search criteria.

Inputs

Element Name	Type	Lengt-h	Description	LOV	Man-datory
Authen-tication	Authen-tication	n/a	See Appendix B for details of this complex type.	n/a	Y
Currency Code	Currency Code (String)	1 - 20	Identifies system name of the currency used in a contract.	n/a	N
Currency Name	Currency Name (String)	1 - 50	The name of the currency as determined by the contract user.		N
Currency Symbol	Currency Symbol (String)	1 - 10	The symbol used to represent a particular currency. For example, "$" is used for the United States.	n/a	N
Date Criteria	Date Search Criteria Currency	n/a	Complex type of date search criteria	n/a	N

Outputs

Element Name	Type	Length	Description
Currency Descriptors	Currency Descriptors (Array)	0 - unbounded	An array of currency descriptor records (a complex type consisting of a currency name and currency reference)

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

Custom Property

The following services are available for the Custom Property Object.

- create
- get
- search

create

This web service creates a custom property definition.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Custom Property Definition	Custom property definition	Complex	A complete description of the Custom Property Definition complex type can be found in Appendix B, “Complex Data Types”.	n/a	Y
Name	Custom Property Name	1-30	Name of the custom property.	n/a	Y
Label	String	1-100	Label for the custom property.	n/a	Y
Description	String	1-1000	Description of the custom property.	n/a	N
Applies to	String	n/a	Custom properties apply to contracts, organizations or products.	Contracts, Organizations, Products	Y

Element Name	Type	Length	Description	LOV	Mandatory
Include in Owner Search	Boolean	n/a	Include custom property in Organization search criteria.	True or False	N
Type	String	n/a	Data type for custom property.	String, Date, Decimal	Y
Entry Type	Entry Type	n/a	Determines how the custom property is input.	Entered Value, List of Values, Both	N
ValueList ID	String	n/a	Allows users to add multiple values for the custom property is Entry Type is selected as List of Values.	n/a	N
Create DataDefinition	Boolean	n/a	Create custom property data definitions. If True, sets the "Available for inclusion in lines as line field" option.	True or False	N
Create Terms	Boolean	n/a	Create custom property term definitions. If True, sets the "Available for inclusion in language as term" option.	True or False	N
Always update upon amendment activation	Boolean	n/a	Always update on amendment.	True or False	N

Outputs

Element Name	Type	Length	Description
Create Response	UUID (String)	32	Returns the UUID (unique identifier) of the new Custom Property.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

get

This web service returns a custom property definition given a custom property name.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Custom Property Name	String	1 – 32	Name of the custom property used in the contract	n/a	Y

Outputs

Element Name	Type	Length	Description
Custom Property Definition	Custom property definition	Complex	A complete description of the Custom Property Definition complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

search

The search web service uses a dummy string as input to return descriptors of custom property definitions that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Dummy	String	n/a	Returns descriptors of custom property definitions that match the search criteria. When you leave the search criteria blank, the search returns all objects of the current feature.	n/a	N

Outputs

Element Name	Type	Length	Description
Custom Property Definition Descriptors	Complex	0 - unbounded	An array of custom property definition descriptor records. A complete description of the Custom Property Definition Descriptors complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

Folder

The following services are available for folder.

- createFolder
- addContracts
- removeContracts
- getContractsInFolder
- getFoldersForContract
- search
- deleteFolder
- moveContractsToFolder
- copyContractsToFolder

createFolder

This web service creates a folder.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Parent Folder Id	UUID (String)	1 – 32	UUID of the parent folder.	n/a	Y
Name	String	1 – 128	Name of the folder.	n/a	Y
Description	String	0 – 4000	Description of the folder.	n/a	N

Outputs

Element Name	Type	Length	Description
UUID	UUID (String)	32	Returns the UUID (unique identifier) of the new currency

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Faults	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addContracts

This web service adds contracts to a folder.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Folder Id	UUID (String)	1 - 32	UUID of the folder to which contracts are being added.	n/a	Y
Id List	ID List	Complex	An object containing list of UUIDs.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removeContracts

This web service removes contracts from a folder.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Folder Id	UUID (String)	1 - 32	UUID of the folder to which contracts are being added.	n/a	Y
Id List	ID List	Complex	An object containing list of UUIDs.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getContractsInFolder

This web service retrieves contracts from a folder.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Folder Id	UUID (String)	1 – 32	UUID of the folder to which contracts are being added.	n/a	Y

Outputs

Element Name	Type	Length	Description
Contract Data	Contracts Data	Complex	An object containing an array of objects representing contract data.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getFoldersForContract

This web service retrieves folders that contain a particular contract.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Contract Id	UUID (String)	1 - 32	UUID of the contract for which its associated folders are to be retrieved.	n/a	Y

Outputs

Element Name	Type	Length	Description
Folder Data	Folders Data	Complex	An object containing an array of objects representing folder data.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

search

This web service returns folders that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Folder Name	String Search Criteria	Complex	String Search Criteria	n/a	Y

Outputs

Element Name	Type	Length	Description
Folder Data	Folders Data	Complex	An object containing an array of objects representing folder data.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

deleteFolder

This web service deletes the specified folder.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Folder Id	UUID (String)	1 – 32	UUID of the folder to which contracts are being added.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

moveContractsToFolder

This web service moves selected contracts from one folder to another.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Source Folder Id	UUID (String)	1 - 32	UUID of the source folder from which the contracts are being moved.	n/a	Y
Target Folder Id	UUID (String)	1 - 32	UUID of the target folder to which contracts are being added.	n/a	Y
Id List	ID List	Complex	List of UUIDs of the contracts.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

copyContractsToFolder

This web service copies selected contracts from one folder to another.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Source Folder Id	UUID (String)	1 - 32	UUID of the source folder from which the contracts are being moved.	n/a	Y
Target Folder Id	UUID (String)	1 - 32	UUID of the target folder to which contracts are being added.	n/a	Y
Id List	ID List	Complex	List of UUIDs of the contracts.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Organization

The organization category contains three sub-categories, which in turn have their own associated web services. The organization sub-categories and their web services are listed below:

Organization: Address

The following services are available for the Organization Address Object.

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of descriptors of organizational addresses that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	String Search Criteria	Complex	String Search Criteria to search by Name	n/a	N
Street	String Search Criteria	Complex	String Search Criteria to search by Address	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
City	String Search Criteria	Complex	String Search Criteria to search by City	n/a	N
County	String Search Criteria	Complex	String Search Criteria to search by County	n/a	N
State	State (String)	1 – 50	Search Criteria for Individual's State	n/a	N
Postal Code	String Search Criteria	Complex	String Search Criteria for Postal codes	n/a	N
Country	Country (String)	1 – 50	Search Criteria for Country	n/a	N
Role	Address Role Name (String)	1 – 80	Search Criteria to search by Address Role Name	n/a	N
Organization Name	String Search Criteria	Complex	String Search Criteria to search by Organization Name	n/a	N
Individual First Name	String Search Criteria	Complex	String Search Criteria to search by First Name	n/a	N
Individual Last Name	String Search Criteria	Complex	String Search Criteria to search by Last Name	n/a	N
Start Date	Date Search Criteria	Complex	Date Search Criteria to search by Start Date	n/a	N
End Date	Date Search Criteria	Complex	Date Search Criteria to search by End Date	n/a	N

Outputs

Element Name	Type	Length	Description
Address Descriptors	Address Descriptors (Array)	0 – unbounded	An array of address descriptor records. A complete description of the Address Descriptors complex type can be found in Appendix B, "Complex Data Types".

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

get

This web service returns an organizational address given the UUID of the organizational address.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request-data	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Address	Address	Complex	The entire contents of the Address object. A complete description of the address complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateAddress

Use this web service to set an existing Organization address as the primary address.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Party address ID	UUID (String)	32	Organization party address ID that maps to the simple type “UUID”	n/a	Y
Is primary	Boolean	n/a	Boolean value to determine whether the address is the primary address for the organization.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Organization: Individual

The following services are available for the Organization Individual Object.

- search
- get
- getProperties
- addAlias
- removeAlias

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of individual descriptors that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
First Name	String Search Criteria	Complex	String Search Criteria to search by First Name	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Last Name	String Search Criteria	Complex	String Search Criteria to search by Last Name	n/a	N
Company Type	Company Search Type (String)	Value comes from list	Element used to search by company type	“All”, “None”, “Mine”, “Other”	N
Number	String Search Criteria	Complex	String Search Criteria to search by Number	n/a	N
Organization name	String Search Criteria	Complex	String Search Criteria to search by Organization Names	n/a	N
Organization numbers	String Search Criteria	Complex	String Search Criteria to search by Organization numbers	n/a	N
Title	Individual Title (String)	0 - 150	String Search Criteria to search by Individual's title.	n/a	N
Email	String Search Criteria	Complex	String Search Criteria to search by email addresses	n/a	N
Start Date	Date Search Criteria	Complex	Date Search Criteria to search by Individual start dates	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
End Date	Date Search Criteria	Complex	Date Search Criteria to search by Individual end dates	n/a	N
User name	String Search Criteria	Complex	String Search Criteria to search by User name		
User group name	String Search Criteria	Complex	String Search Criteria to search by of User group name		
Login status	Login Status Search type (String)	Value comes from list	Search Criteria to search by an individual's login status	"All", "Enabled", "Disabled"	N
User account start date	Date Search Criteria	Complex	Date Search Criteria to search by the date the individual's user account was started	n/a	N
User account end date	Date Search Criteria	Complex	Date Search Criteria to search by the date for the individual's user account to expire	n/a	N
Street	String Search Criteria	Complex	String Search Criteria to search by Address street	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
City	String Search Criteria	Complex	String Search Criteria to search by Address city	n/a	N
County	String Search Criteria	Complex	String Search Criteria to search by County	n/a	N
State	State (String)	1 - 50	Search Criteria for Individual's State	n/a	N
Postal code	String Search Criteria	Complex	String Search Criteria for Postal codes	n/a	N
Country	Country (String)	1 - 50	Search Criteria for Country	n/a	N
Role	Address Role Name (String)	1 - 80	Search Criteria for Address Role Name.	n/a	N

Outputs

Element Name	Type	Length	Description
Individual Descriptors	Individual Descriptors (Array)	0 - unbounded	An array of individual descriptor records. A complete description of the individual descriptors complex type can be found in Appendix B, "Complex Data Types".

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

get

This web service returns an individual given the UUID of the individual.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request data	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Individual	Individual	Complex	The entire contents of the Individual object. A complete description of the Individual complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getProperties

This web service returns an individual properties complex type given the UUID of the individual.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request data	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Individual properties	Individual Properties	Complex	The entire contents of the Individual properties object. A complete description of the Individual properties complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addAlias

This web service updates the properties of the individual object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Individual ID	UUID (String)	32	Individual's ID that maps to the simple type "UUID"	n/a	Y
First name	first name (String)	1 – 80	First name of the individual from the individual domain.	n/a	Y
Last name	last name (String)	1 – 100	Last name of the individual from the individual domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
ID	UUID (String)	32	Returns the UUID (unique identifier) of the new alias

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removeAlias

This web service removes an individual's alias.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Alias ID	UUID (String)	32	UUID for the Alias	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Organization: Organization

The following services are available for the Organization Object.

- get
- getProperties
- updateProperties
- search
- orgSelector
- addAlias
- removeAlias

- updateCustomProperty
- updateCustomProperties
- addRelationship
- removeRelationship

get

This web service returns an organization given the UUID of the organization.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request data	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Organization	Organization	Complex	The entire contents of the organization object. A complete description of the organization complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getProperties

This web service returns an organization properties complex type given the UUID of the organization.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request data	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Organization properties	Individual Properties	Complex	The entire contents of the organization properties object. A complete description of the organization properties complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateProperties

This web service updates the properties of the organization object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
ID	UUID (String)	32	The data for the update properties web service is based on the system generated UUID in the common domain.	n/a	Y
Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	N
Parent ID	UUID (String)	32	Individual's Organizational ID that maps to the simple type "UUID"	n/a	N
Number	Party Number (String)	1 – 30	Number of the individual from the party domain.	n/a	N
Organization Level	Organization Level (String)	1 – 32	Level of the organization	n/a	N
Type	Organization Type (String)	1 – 32	Organization type from the organization domain.	n/a	N
Timezone	String	n/a	Individual's time zone.	n/a	N
Currency	Currency Code (String)	n/a	Identifies the currency used in this contract.	n/a	N
Is Legal Entity	Boolean	n/a	Boolean value.	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of organization descriptors that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	String Search Criteria	Complex	String Search Criteria to search by Name	n/a	N
Number	String Search Criteria	Complex	String Search Criteria to search by Number	n/a	N
Organization External ID	String	1-32	Identifies the External Organization.	n/a	N
External Party Unique ID	Number	n/a	Unique Identifier for the external organ-ization as generated in the Emptoris Strategic Supply Management platform.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Master ID	String	n/a	Master ID of an external party as generated in the Emptoris Strategic Supply Management platform.	n/a	N
Master Name	String	n/a	Name of external party mastered and defined in the Emptoris Strategic Supply Management platform.	n/a	N
Contact first name	String Search Criteria	Complex	String Search Criteria to search by Contact first name	n/a	N
Contact last name	String Search Criteria	Complex	String Search Criteria to search by Contact Last Name	n/a	N
Email	String Search Criteria	Complex	String Search Criteria to search by Email address	n/a	N
Street	String Search Criteria	Complex	String Search Criteria to search by Organization Address Street	n/a	N
City	String Search Criteria	Complex	String Search Criteria to search by Organization Address City	n/a	N
postal code	String Search Criteria	Complex	String Search Criteria to search by Organization Address Postal Code	n/a	N
County	String Search Criteria	Complex	String Search Criteria to search by Organization Address County	n/a	N
State	State (String)	1 - 50	Search Criteria to search by State	n/a	N
Country	Country (String)	1 - 50	Search Criteria to search by Country	n/a	N
start date	Date Search Criteria	Complex	Date Search Criteria to search by Start Date	n/a	N
End date	Date Search Criteria	Complex	Date Search Criteria to search by End Date	n/a	N

Outputs

Element Name	Type	Length	Description
Organization Descriptors	Organization Descriptors (Array)	0 - unbounded	An array of Organization descriptor records. A complete description of the Organization descriptors complex type can be found under Complex Data Types in the Appendix B.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

orgSelector

This web service allows you to select an organization.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	Organization Name (String)	1 - 300	Organization name from the organization domain.	n/a	Y
Number	Party Number (String)	1 - 30	Number of the individual from the party domain.	n/a	N
Is External	Boolean	n/a	Element to denote whether the organization is external or not.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Organization ID	UUID (String)	32	Organization ID that maps to the simple type “UUID”	n/a	N
External Party Unique ID	Number	n/a	Unique Identifier for the external organ-ization as generated in Emptoris Strategic Supply Management Platform.	n/a	N

Outputs

Element Name	Type	Length	Description
Organization Descriptors	Organization Descriptors (Array)	0 – unbounded	An array of Organization descriptor records. A complete description of the Organization descriptors complex type can be found under Complex Data Types in the Appendix B.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

addAlias

This web service adds an alias to the organization object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Organization ID	UUID (String)	32	Organization ID that maps to the simple type “UUID”	n/a	Y
Name	organization name (String)	1 - 300	Alias name for the selected organization.	n/a	Y

Outputs

Element Name	Type	Length	Description
addAliasResponse	UUID (String)	32	Returns the UUID (unique identifier) of the new alias

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removeAlias

This web service removes an organization alias.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Alias ID	UUID (String)	32	UUID for the Alias	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateCustomProperty

This web service updates the custom properties of the Organization object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Organization ID	UUID (String)	32	Organization ID that map to the simple type “UUID”.	n/a	Y
Name	Custom property name (String)	1 – 32	Custom Property Name that maps custom property domain.	n/a	Y
Value	custom property value	Complex	Element is represented by custom property value complex object.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateCustomProperties

This web service updates multiple custom properties of the Organization object. The Inputs, Outputs and Faults are the same as the Organization updateCustomProperty web service. For details, see updateCustomProperty on page 149.

addRelationship

This web service adds a relationship to the Organization object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
To organization – id	UUID (String)	32	Organization ID that maps to the simple type “UUID”	n/a	Y
From organization ID	UUID (String)	32	Organization ID that maps to the simple type “UUID”	n/a	Y
Relationship type ID	UUID (String)	32	Relationship ID that maps to the simple type “UUID”	n/a	Y

Outputs

Element Name	Type	Length	Description
addRelationshipResponse	UUID (String)	32	Returns the UUID (unique identifier) of the new Phone number.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removeRelationship

This web service removes a relationship from the Organization object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Relationship ID	UUID (String)	32	Organization Relationship ID that maps to the simple type “UUID”	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Pricelist

The following services are available for the Pricelist Object.

- create
- search
- get
- addEntry

create

This web service creates a pricelist.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	price list name (String)	1 32	Price list name from the pricelist domain.	n/a	Y
Description	price list description	1 – 240	Price list description from the pricelist domain.	n/a	N
Promotion description	Promotion description	1 – 240	Price list promotion description from the pricelist domain.	n/a	N
Type	pricelist type (String)	Value comes from list	Price list type from the pricelist domain.	“Buy”, “Sell”	Y
Class	(String)	n/a	Pricelist class	n/a	N
Currency Code	Currency Code (String)	1 20	Currency Code for currency used in the pricelist object.	n/a	Y
replacement pricelist	UUID (String)	32	The data requested by the create web service is based on the system generated UUID in the common domain.	n/a	Y
Organization type	organization type (String)	n/a	Organization type based on the common string data type.	n/a	Y
Product family	product family (String)	n/a	Product Family based on the common string data type.	n/a	N
Region	Region (String)	n/a	Region based on the common string data type.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Is externally viewable	Boolean	n/a	Boolean value to determine whether pricelist is externally viewable or not.	n/a	Y
Start date	Date	n/a	Individual start date.	n/a	N
Start time	Time	n/a	Individual start time.	n/a	N
End date	Date	n/a	Individual end date.	n/a	Y
End time	Time	n/a	Individual end time.	n/a	N

Outputs

Element Name	Type	Length	Description
CreateResponse	UUID (String)	32	Returns the UUID (unique identifier) of the new individual

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of pricelist descriptors that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Name	Price list String Search Criteria	Complex	Pointer to an array of pricelist names	n/a	N
Product class	Product class (String)	n/a	String value to search on the pricelist class	n/a	N
Product family	Product family (String)	n/a	String value to search on the pricelist family	n/a	N
Type	product type (String)	Value comes from list	Product type to search on.	“Buy”, “Sell”	N
Currency	Currency Code (String)	1 – 20	Pricelist currency code.	n/a	N
Region	Region (String)	0 150	Pricelist region from the common domain.	n/a	N
Organization type	organization type (String)	1 – 32	Organization type from the organization domain	n/a	N
start from date	Date Search Criteria	Complex	Pricelist start from dates	n/a	N
start from time	Time Search Criteria	Complex	Pricelist start from time	n/a	N
start to date	Date Search Criteria	Complex	Pricelist start to dates	n/a	N
start to time	Time Search Criteria	Complex	Pricelist start to time	n/a	N
End from date	Date Search Criteria	Complex	Pricelist end from dates	n/a	N
End from time	Time Search Criteria	Complex	Pricelist end from time	n/a	N
End to date	Date Search Criteria	Complex	Pricelist end to dates	n/a	N
End to time	Time Search Criteria	Complex	Pricelist end to time	n/a	N

Outputs

Element Name	Type	Length	Description
Pricelist Descriptors	Pricelist descriptors (Array)	0 – unbounded	An array of Pricelist descriptor records. A complete description of the Pricelist descriptors complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

get

This web service returns a pricelist given the UUID of the pricelist.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request data	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Pricelist	Pricelist	Complex	The entire contents of the Pricelist object. A complete description of the Pricelist complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addEntry

This web service adds an entry to the pricelist object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Pricelist ID	UUID (String)	32	Pricelist ID that maps to the simple type “UUID”	n/a	Y
Product ID	UUID (String)	32	Product ID that maps to the simple type “UUID”	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Pricing scheme	pricing scheme	Value comes from list	Pricing scheme on the pricelist entry	“Fixed”, “Tiered”, “Percentage”	Y
Price	price	Complex	Element is represented by the complex type price from the pricelist domain.	n/a	Y
Unit of measure	String	n/a	Unit of measure for the pricelist entry	n/a	Y
External System Info	External System Info	Complex	Additional system information that is optional during the creation of an address.	n/a	N
Start date	Date	n/a	Start date of the pricelist entry	n/a	Y
Start time	Time	n/a	Start time of the pricelist entry	n/a	Y
End date	Date	n/a	End date of the pricelist entry	n/a	Y
End time	Time	n/a	End time of the pricelist entry	n/a	Y

Outputs

Element Name	Type	Length	Description
addEntryResponse	UUID (String)	32	Returns the UUID (unique identifier) of the new entry

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Product

The following services are available for the Product Object.

- create
- search
- get
- updateProperties

create

This web service creates a product.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	product name (String)	1 – 100	Product name from the Product domain.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Number	product number (String)	1 – 100	Product number to be created.	n/a	Y
Type	product type (String)	Value comes from list	Product type from the Product domain.	“Buy”, “Sell”	Y
Version	String	30	Product Version to be created.	n/a	N
Notes	Notes (String)	0 – 1300	Notes associated with the product.	n/a	N
Product class	String	n/a	Product class from the product domain.	n/a	N
Product family	String	n/a	Product family from the product domain.	n/a	N
Product subclass	String	n/a	Product subclass from the product domain.	n/a	N
Term quantity	Integer	n/a	Term quantity of type integer	n/a	N
Term unit	String	n/a	Term quantity of type string	n/a	N
Entitlement quantity	Integer	n/a	Entitlement quantity of type integer	n/a	N
Entitlement unit	String	n/a	Entitlement quantity of type string	n/a	N
Is renewable	Boolean	n/a	Boolean value to determine whether pricelist is renewable or not.	n/a	N
Replacement product	UUID (String)	32	The replacement product element is based on the system generated UUID in the common domain.	n/a	N
Start date	Date	n/a	Individual start date.	n/a	N

Element Name	Type	Length	Description	LOV	Man-datory
Start time	Time	n/a	Individual start time.	n/a	N
End date	Date	n/a	Individual end date.	n/a	N
End time	Time	n/a	Individual end time.	n/a	N
Custom Properties	Custom Properties Create Data	Com-plex	Pointer to an array of Custom Property records	n/a	N
External System Info	External System Info	Com-plex	Additional system information that is optional during the creation of an address.	n/a	N

Outputs

Element Name	Type	Length	Description
CreateResponse	UUID (String)	32	Returns the UUID (unique identifier) of the new product

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of product descriptors that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	String Search Criteria	Complex		n/a	N
Number	String Search Criteria	Complex		n/a	N
Version	String Search Criteria	Complex		n/a	N
Product class	String	n/a	String value to search on the Product class	n/a	N
Product family	String	n/a	String value to search on the Product family	n/a	N
Type	product type (String)	Value comes from list	Product type to search on.	“Buy”, “Sell”	N
From date	Date Search Criteria	Complex	Product from dates	n/a	N
To date	Date Search Criteria	Complex	Product to dates	n/a	N
Custom Properties	Custom Properties Search Data	Complex	Pointer to an array of Custom Property records	n/a	N

Outputs

Element Name	Type	Length	Description
Product Descriptors	Product descriptors (Array)	0 – unbounded	An array of Product descriptor records. A complete description of the Product descriptors complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

get

This web service returns a product given the UUID of the product.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See appendix for the details of this complex type.	n/a	Y
Request data	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Product	Product	Complex	The entire contents of the Product object. A complete description of the Product complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateProperties

This web service updates the properties of a product.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authen-tication	Authen-tication	n/a	See Appendix B for details of this complex type.	n/a	Y
ID	UUID (String)	32	The system generated UUID in the common domain.	n/a	Y
Name	product name (String)	1 – 100	Product name from the Product domain.	n/a	Y
Number	product number (String)	1 – 100	Product number to be created.	n/a	Y
Version	String	30	Product Version to be created.	n/a	N
External System Info	External System Info	Complex	Additional system information that is optional during the creation of an address.	n/a	N
Product class	String	n/a	Product class from the product domain.	n/a	N

Element Name	Type	Length	Description	LOV	Mandatory
Product subclass	String	n/a	Product subclass from the product domain.	n/a	N
Product family	String	n/a	Product family from the product domain.	n/a	N
Type	product type (String)	Value comes from list	Product type from the Product domain.	“Buy”, “Sell”	Y
Is renewable	Boolean	n/a	Boolean value to determine whether pricelist is renewable or not.	n/a	N
From date	Nillable Date-Time	Complex		n/a	N
To date	Nillable DateTime	Complex		n/a	N
Term quantity	Integer	n/a	Term quantity of type integer	n/a	N
Term unit	String	n/a	Term quantity of type string	n/a	N
Entitlement quantity	Integer	n/a	Entitlement quantity of type integer	n/a	N
Entitlement unit	String	n/a	Entitlement quantity of type string	n/a	N
Custom Properties	Custom Properties Create Data	Complex	Pointer to an array of Custom Property records	n/a	N
Notes	Notes (String)	0 – 1300	Notes associated with the product.	n/a	N
Replacement product	UUID (String)	32	The replacement product element is based on the system generated UUID in the common domain.	n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Relationship Type

The following services are available for the Relationship Type Object.

- search
- get

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of relationshiptype descriptors that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for the details of this complex type.	n/a	Y

Element Name	Type	Lengt-h	Descrip-tion	LOV	Man-datory
Name	relationship name (String)	1 – 120	Name of the rela-tionship	n/a	N
Description	relationship description (String)	1 – 600	Description of the rela-tionship type from the rela-tionship domain.	n/a	N
Relation Type	relation type	Value comes from list	Rela-tionship type from the Rela-tionship domain.	“Con-tractToContract”, “OrgToOrg”	N
Include system types	Boolean	n/a	Boolean value to determine if the rela-tionship is of system type.	n/a	N

Outputs

Element Name	Type	Length	Description
Relationship type descriptors	relationship type descriptors (Array)	0 – unbounded	An array of relationship type descriptor records. A complete description of the relationship type descriptors complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

get

This web service returns a relationship type given the UUID of the relationship type.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authen-tication	Authen-tication	n/a	See Appendix B for the details of this complex type.	n/a	Y
ID	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Relationship type	relationship type	Complex	The entire contents of the relationship type object. A complete description of the relationship type complex type can be found in Appendix B, “Complex Data Types”.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Security

The security category contains three sub-categories, which in turn have their own associated web services. The security sub-categories and their web services are listed below:

- Security: Permission
- Security: Permission Group
- Security: User
- Security: User Group

Security: Permission

The following services are available for the permission object.

- search

search

This web service reads the individual permission id provided individual permission name.

Inputs

Element Name	Type	Lengt-h	Description	LOV	Man-datory
Authen-tication	Authen-tication	n/a	See Appendix B for details of this complex type.	n/a	Y
Applies To	Applies To Search	Value comes from list	This element determines which objects the permissions are applied to.	“All” “Contract” “Con-tractTemplate” “Clause” “ClauseTemplate” “ContractFolder” “TermDefinition” “SecurityManager”	N
Operation	String Query Operator	LOV	Contains the search operation	“Starts_With” “Ends_With” “Contains” “Equals”	Y
Value	String	1-100	Name of the permission	n/a	Y

Outputs

Element Name	Type	Length	Description
Name	Permission Name (String)	1-100	Name of the permission.
ID	UUID	32	Returns the individual permission ID.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

Security: Permission Group

The following services are available for the Security Permission Group Object.

- create
- search
- get
- addPermissions
- removePermissions

create

This web service creates a permission group.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for the details of this complex type.	n/a	Y
Name	PermissiongroupName (String)	1-100	Permission group name from the Permission group domain.	n/a	Y
Description	PermissiongroupDescription (String)	1-1333	Permission group description from the Permission group domain.	n/a	N

Element Name	Type	Lengt-h	Description	LOV	Man-datory
Per-missiongroup Permissions	Per-missiongroup Permissions	com-plex	Per-missiongroup-permissions are derived from the complex type Per-missiongroup-permissions	n/a	N
Effective Start Date	Date	n/a	Date the permission group becomes effective	n/a	N
Effective Start Time	Time	n/a	Time the permission group becomes effective	n/a	N
Effective End Date	Date	n/a	Date the permission group remains effective until	n/a	N
Effective End Time	Time	n/a	Time the permission group remains effective until	n/a	N
Applies To	Applies To	Value comes from list	This element determines which objects the per-missiongroups are applied to	“Contract”, “Con-tractTemplate”, “Clause”, ClauseTemplate”, ContractFolder”, “TermDefinition”, “Secu-rityManager”	Y

Outputs

Element Name	Type	Length	Description
CreateResponse	UUID (String)	32	Returns the UUID (unique identifier) of the new permission group.

Faults

Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Create Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of permission-group descriptors that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for the details of this complex type.	n/a	Y
Name	String Search Criteria	n/a	Complex type to search for the permission group name	n/a	N

Element Name	Type	Lengt-h	Description	LOV	Man-datory
Applies To	String	Value comes from list	This element determines which objects the per-missiongroups are applied to.	“All”, “Contract”, “Con-tractTemplate”, “Clause”, “ClauseTemplate”, “ContractFolder”, “TermDefinition”, “SecurityManager”	N
Start Date	Date Search Criteria	n/a	Complex type of date search criteria	“Con-tractToContract”, “OrgToOrg”	N
End Date	Date Search Criteria	n/a	Complex type of date search criteria	n/a	N

Outputs

Element Name	Type	Length	Description
Permission group descriptors	Permission group descriptors (Array)	0-unbounded	An array of Permission-group-descriptor records. A Further description of the Permission-group-descriptor complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

get

This web service returns a permission group given the UUID of the permission group.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for the details of this complex type.	n/a	Y
ID	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Permission group	Permission group	Complex	The entire contents of the Permission group object. A Further description of the Permission group complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addPermisssions

This web service adds permissions to the permission group object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for the details of this complex type	n/a	Y
Reference	permission group reference	Complex	Permission group Reference that maps to the simple type "UUID"	n/a	Y
Permissions	permission group permissions	Complex	Permission group permissions that map to a system data type of string	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

removePermissions

This web service removes permissions from a permission group object.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for the details of this complex type	n/a	Y
Reference	permissiongroup-reference	Complex	Permission group Reference that maps to the simple type “UUID”	n/a	Y
Permissions	permissiongroup-permissions	complex	Permission group permissions that map to a system data type of string	n/a	Y

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Security: User

The following services are available for the Security User Object.

- get

get

This web service returns a user given the UUID of the user.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authen-tication	Authen-tication	n/a	See Appendix B for the details of this complex type.	n/a	Y
Individual Id	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	N
Username	username (String)	1 – 32	Username field from the user domain	n/a	N

Outputs

Element Name	Type	Length	Description
User	User	Complex	The entire contents of the User object. A Further description of the User complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Security: User Group

The following services are available for the Security User Group Object.

- search
- get

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of User-group descriptors that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for the details of this complex type.	n/a	Y
Name	String Search Criteria	n/a	Complex type to search for the user group name	n/a	N
Member First Name	String Search Criteria	n/a	Complex type to search for the user group Member-first-Name	n/a	N
Member Last Name	String Search Criteria	n/a	Complex type to search for the user group Member-first-Name	n/a	N

Element Name	Type	Lengt-h	Descrip-tion	LOV	Man-datory
Start Date	Date Search Criteria	n/a	Complex type of date search criteria	“Con-tractToContract”, “OrgToOrg”	N
End Date	Date Search Criteria	n/a	Complex type of date search criteria	n/a	N

Outputs

Element Name	Type	Length	Description
User group descriptors	Permission group descriptors (Array)	0-unbounded	An array of User -group-descriptor records. A Further description of the User -group-descriptor complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

get

This web service returns a user group given the UUID of the user group.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for the details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Id	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
User group	User group	Complex	The entire contents of the User group object. A Further description of the User group complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Single Sign-on

The following services are available for Single Sign-on.

- getUrl

getUrl

This web service returns a URL given certain parameters of the URL.

Inputs

Element Name	Type	Length	Description	LOV	Man-datory
Authen-tication	Authen-tication	n/a	See Appendix B for the details of this complex type.	n/a	Y
Page	Page (String)	1- 100	The page element is made up of simple type from the single-signon domain. (If you are accessing a particular interview using the getUrl web service, see Appendix D: Code Sample.)	Home-PageOpener ContractOpener WizardPage ApprovalPage	Y
Url Descriptor	Url Descriptor	Com-plex	The Url-descriptor is derived from the Url-descriptor complex type.	n/a	Y
Parameters	String	n/a	The parameters and their values are based on the Page selected.	Based on the parameter selected.	Y
User	String	n/a	The user string is based on the system data type of string.	n/a	Y
Shared Secret Credential	Shared Secret Credential	n/a	The Shared-secret-credential is derived from Shared-secret-credential complex type.	n/a	Y

Outputs

Element Name	Type	Length	Description
URL	URL	1-10000	The url element is a simple type from the single-signon domain.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Invalid Shared Secret Credential Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Task

The following services are available for the Task Object.

- get
- reassignTask
- search
- searchDetail
- searchDetailbyUserId

get

This web service returns a task given the task's UUID.

Inputs

Element Name	Type	Lengt-h	Description	LOV	Man-datory
Authen-tication	Authen-tication	n/a	See Appendix B for the details of this complex type.	n/a	Y
Id	UUID (String)	32	The data requested by the get web service is based on the system generated UUID in the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Task	task	Complex	The entire contents of the Task object. A Further description of the Task complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

reassignTask

This web service reassigns the task to specific user.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Task-id	UUID	32	Id of the task	n/a	Y
assign-to-user-id	UUID	32	User id to whom the task will be assigned	n/a	Y
reassign-comment	reassign-comment-data	n/a	Comments	n/a	N

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

search

The search web service requires one or more of the inputs listed below as search criteria. It returns a list of task descriptors that match the search criteria.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
User-id	UUID (String)	n/a	The user-ID of this element corresponds to the UUID of the common domain.	n/a	Y
Contract-id	UUID (String)	n/a	The contract-ID of this element corresponds to the UUID of the common domain.	n/a	Y

Outputs

Element Name	Type	Length	Description
Task descriptors	Task descriptors (Array)	0-unbounded	An array of Task descriptor records. A Further description of the Task descriptors complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

searchDetail

The searchDetail web service requires one or more of the inputs listed below as search criteria. It returns a list of tasks for a particular user.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
User-ID	UUID (String)	n/a	The user-ID of this element corresponds to the UUID of the common domain.	n/a	Y
Is Internal	Boolean	n/a	Identifies whether the user is internal or external.	n/a	Y

Outputs

Element Name	Type	Length	Description
Task descriptors	Task descriptors (Array)	0-unbounded	An array of Task descriptor records. A Further description of the Task descriptors complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

searchDetailbyUserId

The searchDetailbyUserID web service requires the User ID for a user as the search criteria. It returns a list of tasks for that particular user. This is the User ID for the user as generated in the Emptoris Strategic Supply Management Platform.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
User ID	UUID	32	User ID for a user	n/a	Y
Is Internal	Boolean	n/a	Identifies whether the organization is internal or external.	True or False	Y

Outputs

Element Name	Type	Length	Description
Task descriptors	Task descriptors (Array)	0-unbounded	An array of Task descriptor records. A Further description of the Task descriptors complex type can be found under complex types in the appendix.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Term Definition

The following services are available for the Term Definition Object.

- create
- get
- search
- addLovs
- getLovs
- deleteLovs
- getByLabel

create

This web service creates a term definition.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	Term Name (String)	1 - 30	Name of the term definition	n/a	Y
Label	Term Label	1 - 80	This element stems from the simple type "term-label" and contains the label of the Emptoris term.	n/a	Y

Element Name	Type	Lengt-h	Descrip-tion	LOV	Man-datory
Mandatory	Term Mandatory (String)	n/a (value comes from list)	This element allows the user to choose whether the term is mandatory to the contract or not.	"Pre-sentAndExecute", “Execute”, “None”	Y
Data-Type	Primitive Type (String)	n/a (value comes from list)	This element determines the data type of the term.	“String”, “Date”, “Decimal”, “Currency”, "Percent".	Y
Entry-Type	Entry Type (String)	n/a (value comes from list)	This element determines how the term in input into the Emptoris system.	"EnteredValue”, "ListOfValues”, "Both"	Y

Element Name	Type	Lengt-h	Descrip-tion	LOV	Man-datory
Expected-in-compliance	Boolean	n/a	This element allows the user to choose whether or not the term is expected to be used as a variable in a compliance man-agement expression (rule) applied to containing contracts.	True or False (TBD)	Y
Organizations	Term Organizations	n/a	Further information on this complex type can be found in the “Complex Types” section within Appendix B.	n/a	Y

Element Name	Type	Lengt-h	Descrip-tion	LOV	Man-datory
Expiration-Data	Expiration Data	n/a	Further information on this complex type can be found in the "Complex Types" section within Appendix B.	n/a	Y
Number Format	Boolean	n/a	Format of the Number Display.	n/a	N
LOV Values	LOV Value	n/a	List of the Values.	n/a	N
Always Update Upon Amendment Activation	Boolean	n/a	List of the Values.	n/a	N
available-in-reporting	Boolean	n/a	Include term in reports	n/a	N

Outputs

Element Name	Type	Length	Description
Createresponse	UUID (String)	32	Returns the UUID (unique identifier) of the term definition
Name	Term Name (String)	1 -30	This element determines the name of the term that the get web service will return.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

get

This web service returns the UUID of a term definition based on a given term definition name.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	Term Name (String)	1 -30	This element determines the name of the term that the get web service will return.	n/a	n/a

Outputs

Element Name	Type	Length	Description
Response Data	Term Definition	n/a	Returns the term definition as per the search criteria.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

search

This web service returns a list of term definitions.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	Term Name (String)	1 -30	This element determines the label of the term that the search web service will return.	n/a	N
Text Type	Boolean	n/a	This element determines the text type of term that the search web service will return.	n/a	
Numeric Type	Boolean	n/a	This element determines the numeric term that the search web service will return.	n/a	
Date Type	Boolean	n/a	This element determines the Date term that the search web service will return.	n/a	

Outputs

Element Name	Type	Length	Description
Response data	Term Definition Descriptor	n/a	Returns the description of term definition as per the search criteria.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

addLovs

Note: If you are adding values for a list of currency or percent data types, do not add any symbols for percent and currency.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Term Id	UUID (String)	1-32	Identifies the term.	n/a	Y
LOV Values	Term Definition LOVs	n/a	List of Values.	n/a	N

Outputs

Element Name	Type	Length	Description
Response Data	Add Lovs Response data	n/a	Returns the Valid or Invalid Lovs.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Fault Name	Type	Description
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getLovs

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Term Id	UUID (String)	1-32	Identifies the term.	n/a	Y
Sequence	Integer	n/a	Sequential Number of Term.	n/a	N

Outputs

Element Name	Type	Length	Description
Response Data	Term Definition Get LOVs'	n/a	Returns Set of LOVs' for Get LOV Type Term Definition.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

deleteLovs

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Term Id	UUID (String)	1-32	Identifies the term.	n/a	Y
Values	LOV Term Type Value	n/a	Value of LOV Term Type.	n/a	N

Outputs

Element Name	Type	Length	Description
Response Data	Delete LOVs' Response Data	n/a	Returns the Valid or Invalid Lovs.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getByLabel

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Name	Term Label (String)	1 -80	This element determines the label of the term that the get web service will return.	n/a	n/a

Outputs

Element Name	Type	Length	Description
Response Data	Term Definition	n/a	Returns the term definition as per the search criteria.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

Value List

The following services are available for the Value List Object.

- get
- getTypes
- addValues

- updateProperties
- updateValues

get

This web service returns a list of values.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Valuelist-name	String	1 -32	The complex type get-request has the simple type valuelist-name definition as its input.	n/a	Y

Outputs

Element Name	Type	Length	Description
Getresponse	UUID (String)	1-32	Returns the UUID (unique identifier) of the term definition

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

getTypes

This web service returns a list of value list types.

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y
Request-data	String		The complex type request-data is of type string.	n/a	Y

Outputs

Element Name	Type	Length	Description
getTypesResponse	UUID (String)	32	Returns the UUID (unique identifier) of the new valuelist.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.

addValues

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Man-datory
Value List Id	UUID (String)	1 -32	The complex type get-request has the simple type valuelist-name definition as its input.	n/a	Y
Values Data	Add Value Data	n/a		n/a	Y

Outputs

Element Name	Type	Length	Description
Response Data	Add Values Response Data	n/a	Returns the Valid or Invalid Data.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateProperties

Inputs

Element Name	Type	Length	Description	LOV	Man-datory
Authen-tication	Authen-tication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Man-datory
Value List Id	UUID (String)	1 -32	The complex type get-request has the simple type valuelist-name definition as its input.	n/a	Y
Description	String	0-4000		n/a	N
Is Active	Boolean	n/a		n/a	N

Outputs

Element Name	Type	Length	Description
Null	n/a	n/a	The response from this request is empty

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

updateValues

Inputs

Element Name	Type	Length	Description	LOV	Mandatory
Authentication	Authentication	n/a	See Appendix B for details of this complex type.	n/a	Y

Element Name	Type	Length	Description	LOV	Mandatory
Value List Id	UUID (String)	1 -32	The complex type get-request has the simple type valuelist-name definition as its input.	n/a	Y
Values Data	Update Values Data	n/a	Updates Values Data.	n/a	Y

Outputs

Element Name	Type	Length	Description
Response Data	Update Values Response Data	n/a	Returns Valid or Invalis Values Data.

Faults

Fault Name	Type	Description
Standard Operation Faults	String	"AuthenticationFault", "AuthorizationFault", and "SystemFault" are the Emptoris Standard Operations Faults. Descriptions of the Standard Operation Faults are listed in Appendix C.
Object Not Found Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.
Data Validation Fault	String	Descriptions of specific Emptoris Web Services faults are listed in Appendix C.

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Appendix A: Simple Data Types

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Address	Address Name	String	1 – 240		
		Address Role Name	String	1 – 80	
Approvals	Approval Name	String	1 – 32		
		Approval Description	String	1 – 32	
Attachment	Attachment Name	String	1 – 32		
Clause	Clause Name	String	1 – 32		
		Clause Type	String	1 – 300	

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Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Common	Alias Creation Type	String	LOV		Initial_Name Add Rename Merge_ Organizations Remove_Duplicate
		City	String	1 – 50	
		Country	String	1 – 50	
		County	String	1 – 100	
		Contract Nature	String	LOV	Null Local Global
		Currency Code	String	1 – 20	
		Duns Number	String	9	
		Email Address	String	1 – 150	
		Entry Type	String	LOV	EnteredValue ListOfValues Both
		External ID	String	0 300	
		External PKID	String	0 300	
		External Source	String	0 – 150	
		External Table	String	0 – 150	
		Federal Tax ID	String	1 – 30	
		Guidelines	String	0 4000	
		NAICS SIC Code	String	1 – 6	
		Notes	String	0 – 1300	
		Notes Category	String	0 – 128	
		Percentage	Decimal		
		Phone Number	String	1 – 150	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
		Postal Code	String	1-20	Value must conform to zip code pattern, 5 digits with option of ‘ ‘ and 4 more digits. [0 9]{5}([0 9]{4})?
		Primitive Type	String	LOV	String Date Decimal Currency Percent
		Region	String	0 – 150	
		State	String	0 50	
		Street	String	0 – 120	
		UUID	String	32	Used throughout the system as unique identifier of Objects
		Website URL	String	1 – 255	
		mime-type	String	n/a	File type Application/ MSWord Application/PDF Application/RTF All Supported Types
	Module	String	LOV		ECM ECM_Sourcing

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Contract	Contract Category	String	LOV	The contract category is defined only upon contract creation. It determines certain behaviors of the contract. During creation, the category must match the category of the contract template used, if any. The contract template determines the line definitions available for new lines in the contract.	Buy Sell Other
		Contract Class	String	1 – 300	
		Contract Name	String	1 – 128	
		Content Language ID	String	0 - 1024	Currently not in use

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
		Contract Negotiation Status	String	1 – 32	Negotiation status of the contract according to whether it was presented and the presentation method. Applies only to contract type="Authored" or "Amendment". Possible values are: "Not yet presented" = Contract has not been presented. "Presented Online" = Contract was presented online to the external party. "Presented Offline" = Contract was presented offline to the external party outside of Emptoris Contract Management. "Presented using Email" = Contract was presented within a Emptoris Contract Management notification.

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
		Contract Negotiation Type	String	1 – 32	Current or default negotiability of the contract according to the last negotiability presented or defined in the contract template used to create it. Applies only to contract type="Authored" or "Amendment". Possible values are: "Negotiable" = External party can edit individual clauses. "Accept/Decline" = External party can only accept or decline it.

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
		Contract Organization Type	String	LOV	All Owning Contracting Legal Affiliated Organization type. A contract has several internal organizations associated with it (domain:o-rganization) for reporting and reference purposes. Certain organizations set behavior in the contract. All internal organizations allow users who have user groups assigned to organization restricted grants in the security list of the contract (or at the class level) to access the contract to the extent defined by the associated permissions
		Contract Origin	String	LOV	Contract origin Authored Filed Quote Amendment

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
		Contract Status	String	LOV	Contract status. Determines certain behavior of the contract. Active Draft Executed Expired In Negotiation On Hold Terminated Termination Pending Withdrawn
		Contract Substatus	String	0 – 150	Contract substatus for reference and notification purposes. Must match a defined value name from the system valuelist named "ContractSubStatus
		Contract Title	String	1– 1024	Title of contract. Appears in the language of an authored or amendment contract. Available for reference or notifications in all types of contracts
		Contract Type	String	LOV	Type of contract method of origin Authored Filed Quote Amendment

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
		Contract Variant	String	LOV	Contract origin variant for a filed contract or amendment Template Attachment Template Language External File From Conversion None
		Status Action Name	String	1 – 150	
		GroupAccess	Integer	n/a	Number value for group access Assigned Organizations Only – 0 Assigned and Parent Organizations Only – 1 Any Organization – 2 Not Applicable - 3
		Permission Group	Boolean	n/a	Identifies whether permission or permission group. n/a
		User Group	Boolean	n/a	Identifies whether user or user group n/a
		Offset-unit-value	String	LOV	Offset unit value for contract deletion Days Months Years

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Interview		Language-Format	String	n/a	Contains language format PDF RTF docx Filedcontract All
	Name	String	1 - 30	Name of the interview instance	
		Label	String	1 - 50	Label
		Description	String	1 – 2000	Description of the interview instance
		Interview Template Name	String	1 – 128	Identifies the interview template that this interview instance will be created based upon.
Interview Instance	Attr Name	String	LOV		Party Type Organization Name Organization Number Relationship Type Contract Number Contract Class Contract Name
Contract Template	Contract Negotiability	String	LOV		Negotiable AcceptDecline
		Contract Template Name	String	1 – 32	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Currency	Currency Codes	String	LOV		USD, AFA, ALL, DZD, ADP, AOA, XCD, ARS, AMD, AWG, AUD, ATS, AZM, BSD, BHD, BDT, BBD, BYR, BEF, BZD, XOF, BMD, BTN, BOB, BOV, BAM, BWP, BRL, BND, BGL, BGN, BIF, KHR, CAD, CVE, KYD, XAF, CLP, CLF, CNY, COP, KMF, CDF, CRC, HRK, CUP, CYP, CZK, DKK, DJF, DOP, TPE, EGP, SVC, ERN, EEK, ETB, FKP, FJD, FIM, FRF, XPF, GMD, GEL, DEM, GHC, GIP, GRD, GTQ, GNF, GWP, GYD, HTG, HNL, HKD, HUF, ISK, INR, IDR, IRR, IQD, IEP, ILS, ITL, JMD, JPY, JOD, KZT, KES, KPW, KRW, KWD, KGS, LAK, LVL, LBP, LSL, LRD, LYD, LTL, LUF, MOP, MKD, MGF, MWK, MYR, MVR, MTL, MRO, MUR, MXN, MXV, MDL, MNT, MAD, MZM, MMK, NAD, NPR, NLG, ANG, NZD, NIO, NGN, NOK, OMR, PKR, PAB, PGK, PYG, PEN,

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
					PHP, PLN, PTE, QAR, ROL, RUR, RWF, SHP, WST, STD, SAR, SCR, SLL, SGD, SKK, SIT, SBD, SOS, ZAR, ESP, LKR, SDD, SRG, SZL, SEK, CHF, SYP, TWD, TJS, TZS, THB, TOP, TTD, TND, TRL, TMM, UGX, UAH, AED, GBP, USS, USN, UYU, UZS, VUV, VEB, VND, YER, YUM, ZWD, EUR
		Currency Name	String	1 – 50	
		Currency Symbol	String	1 – 10	
Custom Property	Custom Property Description	String	1 – 32		
		Custom Property Label	String	1 – 32	
		Custom Property Name	String	1 – 32	
		Custom Property Owner	String	1 – 32	
		Custom Property Value Type	String	LOV	String Date Decimal
Event	Event Description	String	1 – 32		
		Event Name	String	1 – 32	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Individual	Company Type	String	LOV		None Mine Other
		First Name	String	1 – 80	
		Individual Name	String	1 – 80	
		Individual Title	String	0 – 150	
		Last Name	String	1 – 100	
		Middle Name	String	0 – 50	
		User Name	String	1 – 100	Name of the user / user group
Line	Data Definition Label	String	1 – 32		
		Data Definition Name	String	1 – 32	
		Data Domain Label	String	1 – 32	
		Data Domain Name	String	1 – 32	
		Line Description	String	1 – 32	
		Line Label	String	1 – 32	
		Line Name	String	1 – 30	Must begin with a letter
		Mandatory Enum	String	LOV	None Execute PresentAndExecute
Organization	Organization Level	String	1 – 32		
		Organization Name	String	1 – 300	
		Organization Type	String	1 – 32	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Party		Party Name	String	1 – 100	
		Party Number	String	1 – 200	
		External Party Unique ID	Integer	n/a	Unique Identifier for external parties as generated in the Emptoris Strategic Supply Man-agement Platform.
		Party Type	String	LOV	Stores type for external party. For Internal party type is not mandatory, Default value is organization. Organization Individual
		Phone Type	String	1 – 100	
Permission	Permission Name	String	1-100	Name of the permission	n/a
Permission	Applies To Search	String	n/a	Level of search	All, Contract, ContractTemplate, Clause, ClauseTemplate, ContractFolder, TermDefinition, SecurityManager

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Permission Group	Applies To	String	LOV		Contract, ContractTemplate, Clause, ClauseTemplate, ContractFolder, TermDefinition, SecurityManager
		Applies To Search	String	LOV	All, Contract, ContractTemplate, Clause, ClauseTemplate, ContractFolder, TermDefinition, SecurityManager

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
		Permission	String	LOV	Contract > Read Contract > Delete Contract > Check Out & Check In > Perform Contract > Copy Terms > Perform Contract > Execute > Perform Contract > Hold > Perform Contract > Negotiate > Perform Contract > Terminate > Perform Contract > Withdraw & Restore > Perform Contract > Activity > Read Contract > Approvals > Read Contract > Approvals > Update Contract > Approvals > Modify > Perform Contract > Attachments > Read Contract > Attachments > Create Contract > Attachments > Update Contract > Attachments > Delete

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Contract > Delete Contract > Check Out & Check In > Perform Contract > Copy Terms > Perform Contract > Execute > Perform Contract > Hold > Perform Contract > Negotiate > Perform Contract > Terminate > Perform Contract > Withdraw & Restore > Perform Contract > Activity > Read Contract > Approvals > Read Contract > Approvals > Update Contract > Approvals > Modify > Perform Contract > Attachments > Read Contract > Attachments > Create Contract > Attachments > Update Contract > Attachments > Delete Contract > Comment History > Delete Contract > Events > Read Contract > Events > Create Contract > Events > Update Contract > Events > Delete Contract > Header > Update Contract > Internal Contact > Update Contract > Language > Read Contract > Language Attachment > Create Contract > Language Attachment > Update Contract > Language Attachment > Delete Contract > Language Outline > Modify > Perform Contract > Language Select Alternate > Perform	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Contract > Language Terms > Update Contract > Lines > Read Contract > Lines > Update Contract > Organizations > Read Contract > Organizations > Create Contract > Organizations > Update Contract > Organizations > Delete Contract > Parties > Read Contract > Parties > Update Contract > Relationships > Read Contract > Relationships > Create Contract > Relationships > Delete Contract > Renewal Party > Read Contract > Renewal Party > Update Contract > Renewal Terms > Read Contract > Renewal Terms > Create Contract > Renewal Terms > Update Contract > Renewal Terms > Delete Contract > Revisions > Delete Contract > Security > Read Contract > Security > Update Contract > Status > Read Contract > Status > Update Contract > Terms > Read Contract > Terms > Create Contract > Terms > Update Contract > Terms > Delete Contract > Compliance > Derivations > Read Contract > Compliance >	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Derivations > Update Contract > Compliance > Documents > Read Contract > Compliance > Alerts > Read Contract > Compliance > Summary > Read Contract > Compliance > Summary > Update Contract > Compliance > Events > Read Contract > Compliance > Events > Create Contract > Compliance > Events > Update Contract > Compliance > Events > Delete Contract Template > Read Contract Template > Delete Contract Template > Properties > Update Contract Template > Language > Read Contract Template > Language Outline > Modify > Perform Contract Template > Terms > Read Contract Template > Terms > Create Contract Template > Terms > Update Contract Template > Terms > Delete Contract Template > Approvals > Read Contract Template > Approvals > Update Contract Template > Events > Read Contract Template > Events >	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Create Contract Template > Events > Update Contract Template > Events > Delete Contract Template > Folders > Read Contract Template > Folders > Create Contract Template > Folders > Delete Contract Template > Security > Read Contract Template > Security > Update Contract Template > Instance Security > Read Contract Template > Instance Security > Update Contract Template > Organizations > Read Contract Template > Organizations > Create Contract Template > Organizations > Delete Contract Template > Compliance > Derivations > Read Contract Template > Compliance > Derivations > Update Contract Template > Compliance > Summary > Read Contract Template > Compliance > Summary > Update Contract Template > Compliance > Events > Read Contract Template > Compliance > Events > Create Contract Template > Compliance > Events > Update Contract Template > Compliance	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				> Events > Delete Contract Template > Line > Definitions > Read Contract Template > Line > Definitions > Update Contract Template > Line > Clause Templates > Read Contract Template > Line > Clause Templates > Create Contract Template > Line > Clause Templates > Delete Contract Template > Line > Clause Templates > Properties > Update Contract Template > Line > Clause Templates > Language > Read Contract Template > Line > Clause Templates > Language > Update Contract Template > Line > Clause Templates > Security > Read Contract Template > Line > Clause Templates > Security > Update Clause > Properties > Update Clause > Language > Update Clause > User Defined Properties > Read Clause > User Defined Properties > Update Clause > Approvals > Read Clause > Approvals > Update Clause > Security > Read Clause > Security > Update Clause Template > Read Clause Template > Delete Clause Template > Properties > Update	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Clause Template > Language > Read Clause Template > Language > Update Clause Template > Alternates > Read Clause Template > Alternates > Create Clause Template > Alternates > Update Clause Template > Alternates > Delete Clause Template > Approvals > Read Clause Template > Approvals > Update Clause Template > User Defined Properties > Read Clause Template > Place Holder > 30 Clause Template > User Defined Properties > Update Clause Template > Place Holder > 31 Clause Template > Security > Read Clause Template > Security > Update Clause Template > Instance Security > Read Clause Template > Instance Security > Update Clause Template > Organizations > Read Clause Template > Organizations > Create Clause Template > Organizations > Delete Term Definition > Read Term Definition > Update	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Term Definition > Delete Term Definition > Security > Read Term Definition > Security > Update Term Definition > Organizations > Read Term Definition > Organizations > Create Term Definition > Organizations > Delete Contract Folder > Create Contract Folder > Update Contract Folder > Delete Contract Folder > Security > Read Contract Folder > Security > Update Contract Folder > Member > Create Contract Folder > Member > Delete Addresses > Create Addresses > Update Addresses > Delete Addresses > Administer > Perform Approvals > Administer > Perform Approvals > Update Clause Templates > Create Clause Templates > Administer > Perform Clause Types > Create Clause Types > Delete Clause Types > Administer > Perform Contract Classes > Create Contract Classes > Delete Contract Classes > Administer > Perform	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Contract Formatting > Update Contract Formatting > Administer > Perform Contract Templates > Create Contract Templates > Administer > Perform Contract Templates > Import > Perform Contracts > Task Management > Perform Contracts > Amendment > Create Contracts > Authored > Create Contracts > Filed > Create Contracts > Quote > Create Currencies > Create Currencies > Update Currencies > Administer > Perform Custom Properties > Create Custom Properties > Update Custom Properties > Administer > Perform External Companies Organizations > Create External Companies Organizations > Update External Companies Organizations > Delete External Contacts > Change Organization > Perform External Contacts > Transfer to My Company > Perform External Companies > Administer > Perform Individuals > Create Individuals > Update Individuals > Delete Individuals > Administer > Perform	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Individuals > External User Accounts > Create Individuals > External User Accounts > Update Individuals > Internal User Accounts > Create Individuals > Internal User Accounts > Update My Company Organizations > Create My Company Organizations > Update My Company Organizations > Delete My Company Contacts > Change Organization > Perform My Company Contacts > Transfer from My Company > Perform My Company > Administer > Perform Notification Templates > Create Notification Templates > Update Notification Templates > Delete Notification Templates > Administer > Perform Notifications > Update Notifications > Administer > Perform Permission Groups > Create Permission Groups > Update Permission Groups > Delete Permission Groups > Administer > Perform Price Lists > Create Price Lists > Update Price Lists > Delete Price Lists > Administer > Perform Price Lists Price > Create Price Lists Price > Update	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Price Lists Price > Delete Process Templates > Administer > Perform Products > Create Products > Update Products > Delete Products > Administer > Perform Quote Generation Default Settings > Update Quote Generation Default Settings > Administer > Perform Quote Generation Workflow Rules > Create Quote Generation Workflow Rules > Update Quote Generation Workflow Rules > Delete Quote Generation Workflow Rules > Administer > Perform Quotes > Coterminate > Perform Quotes > Generate > Perform Relationship Types > Create Relationship Types > Update Relationship Types > Delete Relationship Types > Administer > Perform Renewal Notifications > Create Renewal Notifications > Update Renewal Notifications > Delete Renewal Notifications > Administer > Perform Process Schedules > Update Process Schedules > Administer > Perform Security Manager > Update Security Manager > Administer > Perform Value Lists > Create Value Lists > Update	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Value Lists > Administer > Perform Value Lists Entry > Create Value Lists Entry > Update System Settings > Events > Update System Settings > Options > Update System Settings > Negotiation > Update System Settings > Renewals > Update System Settings > User Accounts > Update System Settings > Administer > Perform Term Definitions > Create Term Definitions > Administer > Perform User Groups > Create User Groups > Update User Groups > Delete User Groups > Administer > Perform User Defined Properties > Create User Defined Properties > Delete User Defined Properties > Administer > Perform Business Document Templates > Administer > Perform Business Document Templates > Create Business Document Templates > Delete Business Document Templates > Derivations > Read Business Document Templates > Derivations > Update Business Document Templates > Header > Read	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
				Business Document Templates > Header > Update Business Document Templates > Lines > Read Business Document Templates > Lines > Update Business Document Templates > Properties > Update Data Definitions > Administer > Perform Data Definitions > Create Data Definitions > Update Data Definitions > Delete Data Domains > Administer > Perform Data Domains > Create Data Domains > Update Data Domains > Delete Event Definitions > Administer > Perform Event Definitions > Create Event Definitions > Update Event Definitions > Delete Line Set Templates > Administer > Perform Line Set Templates > Create Line Set Templates > Properties > Update Line Set Templates > Derivations > Read Line Set Templates > Derivations > Update Line Set Templates > Lines > Read Line Set Templates > Lines > Update Line Set Templates > Delete	
	Permission Group Description	String	1 – 1333		

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
	Permission Group Name	String	1 – 100		
Pricelist	Discount Type	String	LOV		PreDiscount PostDiscount
		Pricelist Description	String	1 – 240	
		Pricelist Name	String	1 – 100	
		Pricelist Type	String	LOV	Buy Sell
		Pricing Scheme	String	LOV	Fixed Tiered Percentage
Product	Product Name	String	1 – 100		
		Product Number	String	1 – 100	
		Product Type	String	LOV	Buy Sell
Relationship	Endpoint Description	String	1 – 300		
		Relationship Description	String	1 – 600	
		Relationship Name	String	1 – 120	
		Relation Type	String	LOV	OrgToOrg ContactToContact

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Search	Company Search Type	String	LOV		All None Mine Other
		Date Query Operator	String	LOV	After Before On_Or_After On_Or_Before Equals Between
		Date Query Operator Currency	String	LOV	Date operator Equals Less Than Greater Than
		Login Status Search Type	String	LOV	All Enabled Disabled
		Number Query Operator	String	LOV	Equals Not_Equal_Above At_Or_Above Below At_Or_Below Between
		String Query Operator	String	LOV	Contains the search operation Starts_With Ends_With Contains Equals
Single SignOn	Page	String	1 – 100		ContractOpener HomePageOpener WizardPage ApprovalPage
		URL	String	1 – 10000	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
Task	Task Creation Action	String	1 – 64		
		Task Target Type	String	1 – 64	
		Task Type	String	1 – 64	
Task	visible-to-options	xsd:string	n/a	Visibility value	All_Parties My_Company_Only
Terms	System Terms	String	LOV		contract class, contract region, contract total, effective end date, effective start date, end date, execution date, external corporate address, external party address, external party name, pay terms, signatory
		Term Label	String	1 – 80	
		Term Mandatory	String	LOV	PresentAndExecute Execute None
		Term Name	String	1 – 30	
User	Password	String	1 – 32		
		Username	String	1 – 32	
Usergroup	Usergroup Description	String	1 – 1333		
		Usergroup Name	String	1 – 100	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
ValueList	Valuelist Description	String	1 – 32		
		System Valuelist Names	String	LOV	AddressRole, Con-tract-StatusNotesCategory, ContractSubStatus, Country, Cus-tomi-zedPricingOptions, Entitlement unit, HoldReasonCodes, Hold-Releas-eReasonCodes, OrganizationLevel, OrganizationType, PhoneType, PriceListClass, ProductClass, ProductFamily, Region, Restore-Ter-minatedContractCodes, State, TermUnit, Ter-mina-tionReasonCodes, Title, UnitOfMeasure
		Valuelist Name	String	1 – 32	
		Valuelist Origin	String	LOV	System User
		Value Name	String	1 – 32	

Table: Simple Data Types

Category	Element Name	Type	Length	Description	LOV
	Page	ContractOpener	String	LOV	ContractID - ID of the contract in the system
		HomePageOpener	String	LOV	
		WizardPage	String	LOV	SSORe-sumeWizardID - The UUID of the Wizard. SSORe-sumeFirstStep - The field indicates if the first page in the Wizard is displayed.
		ApprovalPage	String	LOV	TaskID - ID of the approval task in the system.

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Appendix B1: Complex Data Types

B

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Addresses	Address	Street1	Street	1
		Street2	Street	1
		Street3	Street	1
		Street4	Street	1
		City	City	1
		Postal Code	Postal Code	1
		County	County	1
		State	State	1
		Country	Country	1
		ID	UUID	1
		Name	Address Name	1
		External System Info	External System Info	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
Addresses	Address Base	Street1	Street	1
		Street2	Street	1
		Street3	Street	1
		Street4	Street	1
		City	City	1
		Postal Code	Postal Code	1
		County	County	1
		State	State	1
		Country	Country	1

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Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Addresses	Address Descriptor	Name	Address Name	1
		Reference	Address Reference	1
Addresses	Address Descriptors	Address Descriptor	Address Descriptor	0 – unbounded
Addresses	Addresses	Address	Address	0 – unbounded
Addresses	Address Reference	ID	UUID	1
Addresses	Address Role	ID	UUID	1
		Name	Address Role Name	1
Addresses	Address Roles	Role	Address Role	0 – unbounded
Address	addresses-data	address-data	addresses-data	0-unbounded
Address	address-data	address-id	UUID	0-1
		address-role-name	address_role_name	0-1
		address-role-id	UUID	0-1
Approvals	Approval	ID	UUID	1
		Name	Approval Name	1
		Description	Approval Description	1
Approvals	Approval Definition	ID	UUID	1
		Name	Approval Name	1
		Description	Approval Description	1
Approvals	Approval Descriptor	Name	Approval Name	1
		Reference	Approval Reference	1
Approvals	Approval Definition Descriptor	Name	Approval Name	1
		Reference	Approval Reference	1
Approvals	Approval Reference	ID	UUID	1
Approvals	Approval Definition Reference	ID	UUID	1

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Attachments	Attachment	ID	UUID	1
		Name	String	1
Attachments	Attachment Descriptor	Name	Attachment Name	1
		Reference	Attachment Reference	1
Attachments	Attachment Reference	ID	UUID	1
		Revision	Integer	0 – 1
Authentication	Authentication	User	String	1
		Credential	Credential	1
Authentication	Credential	Password	String	0 – 1
		Shared Secret Credential	Shared Secret Credential	0 – 1
Authentication	Shared Secret Credential	Source	String	1
		Date	DateTime	1
		Algorithm	DateTime	1
		Token	String	1
		Host	String	0-1
BDO	BDO	ID	UUID	1
Clauses	Clause	ID	UUID	1
		Revision	Integer	1
		Name	Clause Name	1
		Sequence	Integer	1
		Alternates	Clause	0 – unbounded
Clauses	Clause Descriptor	Name	Clause Name	1
		Reference	Clause Reference	1
Clauses	Clause Reference	ID	UUID	1
		Revision	Integer	0 – 1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Clause Templates	Clause Template	ID	UUID	1
		Name	Clause Name	1
		Alternates	Clause Template Alternates	1
		Organizations	Clause Template Organizations	1
Clause Templates	Clause Template Alternates	Alternates	Clause Template Descriptor	0 – unbounded
Clause Templates	Clause Template Descriptor	Reference	Clause Template Reference	
		Name	Clause Name	
Clause Templates	Clause Template Descriptors	Clause Template Descriptor	Clause Template Descriptor	0 – unbounded
Clause Templates	Clause Template Organizations	Organization	Organization Descriptor	0 – unbounded
Clause Templates	Clause Template Properties	ID	UUID	1
		Name	Clause Name	1
Clause Templates	Clause Template Reference	ID	UUID	1
Comments	Comment	Comment Text	String	1
		Created On	DateTime	1
		Created By	UUID	1
		Visible To All	Boolean	1
Comments	Comment Descriptor	Reference	Comment Reference	1
Comments	Comment Reference	ID	UUID	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Common	Audit Info	Created By	UUID	1
		Created On	DateTime	1
		Modified By	UUID	1
		Modified On	DateTime	1
Common	Expiration Data	Start Date	Date	1
		End Date	Date	1
Common	External System Info	External ID	External ID	0 – 1
		External Source	External Source	0 – 1
Common	Primitive Type Value	String Value	String	0-1
		Number Value	Decimal	0-1
		Date Value	DateTime	0-1
		Currency Value	Decimal	0-1
		Percent Value	Decimal	0-1
		Null Value	String	0-1
Common	Primitive Term Type Value	String Value	String	1
		Number Value	Decimal	1
		Date Value	DateTime	1
		Null Value	String	1
Common	LOV Term Type Value	String Value	String	1
		Number Value	Decimal	1
Common	UUIDS	UUID	UUID	1 – unbounded
Common	Nillable DateTime	Value	DateTime	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Contracts	Contract	ID	UUID	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
		Revision	Integer	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
		Template ID	UUID	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
		Name	Contract Name	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
		Contract Number	Integer	1
		Title	Contract Title	1
		Category	Contract Category	1
		Class	Contract Class	1
		Status	Contract Status	1
		Origin	Contract Type	1
		Variant	Contract Variant	1
		Substatus	Contract SubStatus	1
		Region	Region	1
		Notes	Notes	1
		Negotiation Type	Contract Negotiation Type	1
		Negotiation Status	Contract Negotiation Status	1
		Content-language-id	Contract Content Language ID	0-1
		internal-parties	internal_parties_data	0-1
		external-parties	External_parties_data	0-1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
		Addresses	Contract Addresses	1
		Contract-deletion	Contract Deletion	0-1
		Clauses	Contract Clauses	1
		Terms	Contract Terms	1
		Lines	Contract Lines	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
		Attachments	Contract Attachments	1
		Comments	Contract Comments	1
		Custom Properties	Contract Custom Properties	1
		Organizations	Contract Organizations	1
		Relationships	Contract Relationships	1
		Activities	Contract Activities	1
		Events	Contract Events	1
Contracts	Failed Delete Contract	contract-id	UUID	1
		failed-reason	String	1
Contracts	Contract Activities	Activity	Contract Activity Descriptor	0 – unbounded
Contracts	Contract Activity	ID	UUID	1
		Action	String	1
		Sub Action	String	1
		Originator ID	UUID	1
		Recipient Type	String	1
		Recipient ID	UUID	1
		Comment ID	UUIDUUID	1
Contracts	Contract Activity Descriptor	Action	String	1
		Reference	Contract Activity Reference	1
Contracts	Contract Activity Reference	ID	UUID	1
Contracts	Contract Address	Reference	Address Descriptor	1
		Role ID	UUID	1
Contracts	Contract Addresses	Address	Contract Address	0 – unbounded
Contracts	Contract Attachments	Attachment	Attachment Descriptor	0 – unbounded

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Contracts	Contract Classes	Contract Class	Contract Class	0 – unbounded
Contracts	Contract Clauses	Clause	Clause Descriptor	0 – unbounded
Contracts	Contract Comments	Comment	Comment Descriptor	0 – unbounded
Contracts	Contract Custom Properties	Custom Property	Custom Property Descriptor	0 – unbounded
Contracts	Contract Descriptor	Name	Contract Name	1
		Reference	Contract Reference	1
Contracts	Contract Descriptors	Contract Descriptor	Contract Descriptor	0 – unbounded
Contracts	Contract Events	Event	Contract Event	0 – unbounded
Contracts	Contract Language	Data	base64Binary	1
Contracts	Contract Lines	Line	Line Descriptor	0 – unbounded
Contracts	Contract-Language-Data	language-as-docx	language-content	0 - 1
		language-as-file	language-content	0 - 1
Contracts	Received Language Data	language-as-docx	language-content	0 - 1
Contracts	Language-Content	file-name	String	1
		mime-type	Mime Type	1
		data	base64Binary	1
Contracts	Contract Organization	Organization	Organization Descriptor	1
		Type	Contract Organization Type	1
Contracts	Contract Organizations	Organization	Contract Organization	0 – unbounded

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Contracts	Contract Properties	ID	UUID	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
		Revision	Integer	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
		Template ID	UUID	1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
		Name	Contract Name	1
		Contract Number	Integer	1
		Title	Contract Title	1
		Category	Contract Category	1
		Class	Contract Class	1
		Nature	Contract Nature	1
		Status	Contract Status	1
		Origin	Contract Type	1
		Variant	Contract Variant	1
		Currency	Currency Code	1
		Contract Total	Decimal	1
		Substatus	Contract SubStatus	1
		Region	Region	1
		Notes	Notes	1
		Negotiation Type	Contract Negotiation Type	1
		Negotiation Status	Contract Negotiation Status	1
		Content-language-id	Contract Content Language ID	0-1
		Internal Parties	Internal Parties Data	0-1
		External Parties	External Parties Data	0-1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
		Contract-deletion	Contract Deletion	0-1

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Contracts	Contract Reference	ID	UUID	1
		Revision	Integer	0 or 1
Contracts	Contract Relationships	Relationship	Relationship Descriptor	0 – unbounded
Contracts	Contract Status History	ID	UUID	1
		Substatus	Contract SubStatus	1
		Notes Category	Notes Category	1
		Notes	Notes	1
		User ID	UUID	1
		Action Date	DateTime	1
Contracts	Contract Terms	Term	Term Descriptor	0 – unbounded
Contracts	Set SubStatus	Contract SubStatus	Contract SubStatus	1
		Notes	Notes	0 – 1
		Notes Category	Notes Category	0 – 1

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Appendix B2: Complex Data Types

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Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Contracts	Addresses create data	Address Create Data	Address Create Data	0 – unbounded
Contracts	Address create data	Party Address ID	UUID	1
Contracts	Attachments create data	Attachment Create Data	Attachment Create Data	0 – unbounded
Contracts	Attachment Create Data	Name	Attachment Name	1
		Mime Type	String	1
		Data	base64Binary	1
Contracts	Clauses create data	Clause create data	Clause create data	0 – unbounded
Contracts	Clause Create data	Clause Template Reference	Clause Template Reference	1
		Position	Integer	0 – 1
Contracts	Custom properties create data	Custom property create data	Custom property create data	0 – unbounded
Contracts	Custom property create data	Name	Custom Property Name	
		Value	Custom Property Value	
Contracts	Relationships create data	Relationship create data	Relationship create data	0 – unbounded
Contracts	Relationship create data	Null	Null	0
Contract	Internal Signatures	Internal Parties Signatures	Party Signature	0 - unbounded
Contract	External Signature	External Parties Signature	Party Signature	0 - unbounded
Contract	Party Signature	Party ID	UUID	1
		Signatures	Signature	0 - unbounded

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Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Contract	Singature	Signatory Name	String	0-1
		Signatory Title	String	0-1
		Signature Date	Date	0-1
		Signature Time	Time	0-1
Contract	Update Primary Contact Data	Contract ID	UUID	1
		Party ID	UUID	1
		Contact ID	UUID	1
Contract	Remove Parties Data	Contrat ID	UUID	1
		Parties ID	UUID	1
Contracts	Terms create data	Term Create Data	Term Create Data	0 – unbounded
Contracts	Term create data	Term Name	Term Name	1
		Data Type	Primitive Type	1
		Value	Primitive Type Value	1
Contracts	Line Create Data	Line Definition Name	String	1
		Notes	String	1
		Line Field Definition	Line Field Definitions Create Data	1
		Line Field List	Line Fields Create List	1
Contracts	Terms Search data	Term	Term Search Data	0 – unbounded
Contracts	Term Search data	Name	Term Name	1
		String Criteria	String Search Criteria	1
		Number Criteria	Number Search Criteria	1
		Date Criteria	Date Search Criteria	1
Contracts	Custom Properties Search Data	Custom Property	Custom Property Search Data	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Contracts	Custom Property Search Data	Name	Custom Property Name	1
		String Criteria	String Search Criteria	1
		Number Criteria	Number Search Criteria	1
		Date Criteria	Date Search Criteria	
Contracts	internal-contact	internal-contact	individual-descriptor	0-unbounded
Contracts	Contract-deletion	Deletion-date	Date	0-1
		Deletion-time	Time	0-1
		Offset-set	Boolean	0-1
		Offset-value	Integer	0-1
		Offset-unit	Offset Unit Value	0-1
Contract Instance	Read User Permissions Request	Authentication	authentication	1
		Request Data	read-user-permissions-data	1
Contract Instance	Read User Permissions Data	Contract ID	UUID (String)	1
		User ID	UUID (String)	1
Contract Instance	Read User Permissions Response	Response Data	read-user-permissions-response-data	1 – unbounded
Contract Instance	Read User Permissions Response Data	Permission ID	UUID (String)	1
		Permission Name	Permission Name (String)	1
		Permission Group	Permission Group	1
Contract Instance	Read Permission Users Request	Authentication	authentication	1
		Request Data	read-permission-users-data	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Contract Instance	Read Permission Users Data	Contract ID	UUID (String)	1
		Permission ID	UUID (String)	1
Contract Instance	Read Permission Users Response	Response Data	read-permission-users-response-data	1 - unbounded
Contract Instance	Read Permission Users Response Data	User ID	UUID (String)	1
		User Name	User Name (String)	1
		User Group	User Group	1
Contract Instance	Add User Permissions Request	Authentication	authentication	1
		Request Data	add-user-permissions-data	1
Contract Instance	Add User Permissions Data	Contract ID	UUID (String)	1
		Security	add-security	1 - unbounded
Contract Instance	Add Security	User ID	UUID (String)	1
		Permission ID	UUID (String)	1 - unbounded
		Group Access	Group Access	0 - 1
Contract Instance	Add Permission-Users Request	Authentication	authentication	1
		Request Data	add-permission-users-data	1
Contract Instance	Add Permission-Users Data	Contract ID	UUID (String)	1
		Security	add-security-user	1 - unbounded
Contract Instance	Add Security User	Permission ID	UUID (String)	1
		User ID	UUID (String)	1 - unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Contract Instance	Remove User Permissions Request	Authentication	authentication	1
		Request Data	remove-user-permissions-data	1
Contract Instance	Remove User Permissions Data	Contract ID	UUID (String)	1
		Security	remove-security	1 – unbounded
Contract Instance	Remove Security	User ID	UUID (String)	1
		Permission ID	UUID (String)	1 – unbounded
Contract Instance	Remove Permission-Users Request	Authentication	authentication	1
		Request Data	remove-permission-users-data	1
Contract Instance	Remove Permission-Users Data	Contract ID	UUID (String)	1
		Security	remove-security-user	1 – unbounded
Contract Instance	Remove Security User	Permission ID	UUID (String)	1
		User ID	UUID (String)	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Contract Templates	Contract Template	ID	UUID	1
		Name	Contract Template Name	1
		Title	Contract Title	1
		Category	Contract Category	1
		Suitability	Contract Type	1
		Default Negotiability	Contract Negotiability	1
		Notes	Notes	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
		Clause Definitions	Contract Template Clause Definitions	1
		Term Definitions	Contract Template Term Definitions	1
		Line Definitions	Contract Template Line Definitions	1
		Organizations	Contract Template Organizations	1
		Event Definitions	Contract Template Event Definitions	1
		Approval Definitions	Contract Template Approval Definitions	1
Contract Templates	Contract Template Approval Definitions	Organization	Approval Definitions Descriptor	0 – unbounded
Contract Templates	Contract Template Clause Definitions	Clause Definition	Clause Template Descriptor	0 – unbounded
Contract Templates	Contract Template Descriptors	Contract Template Descriptor	Contract Template Descriptor	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Contract Templates	Contract Template Descriptor	Reference	Contract Template Reference	1
		Name	Contract Template Name	1
Contract Templates	Contract Template Event Definitions	Organization	Event Definition Descriptor	0 – unbounded
Contract Templates	Contract Template Line Definitions	Line	Line Definition Descriptor	0 – unbounded
Contract Templates	Contract Template Organizations	Organization	Organization Descriptor	0 – unbounded
Contract Templates	Contract Template Properties	ID	UUID	1
		Name	Contract Template Name	1
		Title	Contract Title	1
		Category	Contract Category	1
		Suitability	Contract Type	1
		Default Negotiability	Contract Negotiability	1
		Notes	Notes	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
Contract Templates	Contract Template Reference	ID	UUID	1
Contract Templates	Contract Template Term Definitions	Term	Term Definition Descriptor	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Currency	Currency	Code	Currency Code	1
		Name	Currency Name	1
		Symbol	Currency Symbol	1
		Decimal Positions	Integer	1
		Is Euro Currency	Boolean	1
		Expiration Data	Expiration Data	1
Currency	Currency Descriptor	Name	Currency Name	1
		Reference	Currency Reference	1
Currency	Currency Descriptors	Currency Descriptor	Currency Descriptor	0 – unbounded
Currency	Currency Reference	Code	Currency Code	1
Custom Property	Custom Property	Name	Custom Property Name	1
		Value	Custom Property Value	1
		Audit Info	Audit Info	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Custom Property	Custom Property Definition	ID	UUID	1
		Name	Custom Property Name	1
		Label	Custom Property Label	1
		Description	Custom Property Description	1
		Applies to	Custom properties apply to contracts, organizations or prod-ucts.	1
		Owner	Custom Property Owner	1
		Include In Owner Search	Boolean	1
		Type	Custom Property Value Type	1
		Entry Type	Entry Type	1
		Valuelist ID	Valuelist Name	1
		Always Update Upon Amendment Activation	Boolean	1
Custom Property	Custom Property Definition Descriptor	Label	Custom Property Label	1
		Reference	Custom Property Reference	1
Custom Property	Custom Property Definition Descriptors	Custom Property Definition Descriptor	Custom Property Definition Descriptor	0 – unbounded
Custom Property	Custom Property Definition Reference	Name	Custom Property Name	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Custom Property	Custom Property Descriptor	Value	Custom Property Value	1
		Label	Custom Property Label	1
		Reference	Custom Property Reference	1
Custom Property	Custom Property Descriptors	Custom Property Descriptor	Custom Property Descriptor	0 – unbounded
Custom Property	Custom Property Reference	Name	Custom Property Name	1
Custom Property	Custom Property Value	Only one of the following options: String Value Number Value Date Value	String Decimal DateTime	1
Event	Event	ID	UUID	1
		Name	Event Name	1
		Description	Event Description	1
		Contract ID	UUID	1
		Date Type	String	1
		Date Name	String	1
		Offset	String	1
		Offset Unit	String	1
		Offset Type	String	1
		Line ID	UUID	1
		Term Name	Term Name	1
		Status	String	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Event	Event Definition	ID	UUID	1
		Name	Event Name	1
		Description	Event Description	1
		Contract ID	UUID	1
		Date Type	String	1
		Date Name	String	1
		Offset	String	1
		Offset Unit	String	1
		Offset Type	String	1
Event	Event Definition Descriptor	Name	Event Name	1
		Reference	Event Reference	1
Event	Event Definition Reference	ID	UUID	1
Event	Event Definition Descriptor	Name	Event Name	1
		Reference	Event Reference	1
Event	Event Reference	ID	UUID	1
Folder	ID List	ID	UUID (String)	1 - Unbounded
Folder	Folders Data	Folder Data	Folder Data	1 - Unbounded
Folder	Folder Data	ID	UUID (String)	1
		Name	String	1
		Description	String	0
		Parent Folder Id	UUID (String)	0
		Parent Folder Name	String	0
Folder	Contracts Data	Contract Data	Contract Data	1 - Unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Folder	Contract Data	ID	UUID (String)	1
		Revision	Integer	1
		Name	String	1
		Class	String	1
		Company	String	0
		Effective Start Date	DateTime	0
		Contract Number	Integer	1
		Internal Contact First Name	String	0
		Internal Contact Last Name	String	0
		Status	String	1

Appendix B3: Complex Data Types

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Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Individual	Individual	ID	UUID	1
		Number	Party Number	1
		Email	Email Address	1
		Phone Number	Phone Number	1
		Is Legal Entity	Boolean	1
		Notes	Notes	1
		External System Info	External System Info	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
		First Name	First Name	1
		Middle Name	Middle Name	1
		Last Name	Last Name	1
		Title	Individual Title	1
		Organization Id	UUID	1
		Manager Id	UUID	1
		Phones	Party Phones	1
		Addresses	Party Addresses	1
		Aliases	Party Aliases	1
		User	User Descriptor	0 - 1
Individual	Individual Alias	ID	UUID	1
		Name	Individual Name	1
Individual	Individual Aliases	Alias	Individual Alias	0 - unbounded

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Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Individual	Individual Descriptor	Name	Individual Name	1
		Reference	Individual Reference	1
Individual	Individual Descriptors	Individual Descriptor	Individual Descriptor	0 – unbounded
Individual	Individual Organization	Organization Id	UUID	1
		Title	Individual Title	1
		Manager Id	UUID	1
		Is Primary	Boolean	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
Individual	Individual Organizations	Individual Organization	Individual Organization	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Individual	Individual Properties	Id	UUID	1
		Number	Party Number	1
		Email	Email Address	1
		Phone Number	Phone Number	1
		Is Legal Entity	Boolean	1
		Notes	Notes	1
		External System Info	External System Info	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
		First Name	First Name	1
		Middle Name	Middle Name	1
		Last Name	Last Name	1
		Title	Individual Title	1
		Organization Id	UUID	1
		Manager Id	UUID	1
Individual	Individual Reference	ID	UUID	1
Interview Instance	Interview Instances	Interview Instance	Interview Instance	1 – unbounded
Interview Instance	Interview Instance	ID	UUID	1
		Name	Name	1
		Status	String	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Interview Instance	Step	Name	String	1
		Simple Input Controls	Simple Input Control	0 – unbounded
		Party Input Controls	Party Input Control	0 - unbounded
		Complex Input Controls	Complex Input Control	0 – unbounded
		Line Input Controls	Line Input Control	0 – unbounded
		Attachment Input Controls	Attachment Input Control	0 - unbounded
Interview Instance	Simple Input Control	Name	Input Control Name	1
		Value	Primitive Type Value	1
Interview Instance	Input Control Name	Name	String	1
Interview Instance	Complex Input Control	Name	Input Control Name	1
		Attr Value Object	Attr Value Object	1
Interview Instance	Attr Value Object	Attr Value Pairs	Attr Value Pair	1 – unbounded
Interview Instance	Attr Value Pair	Name	Attr Name	1
		Value	String	1
Interview Instance	Line Input Control	Name	Input Control Name	1
		Line Instances	Line Instance	1 - unbounded
Interview Instance	Party Input Control	Name	Input Control Name	1
		Party Object	Party Attr Value Object	0- unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Interview Instance	Party Attr Value Object	Organization Name	String	1
		Organization Number	String	1
		Primary Contact Id	UUID	0
		Party Type	Party Type	0 - 1
		Role	String	0 - 1
		No Of Signatories	Integer	0 - 1
		Contacts	UUID	0 - unbounded
		Address Names	String	0 - unbounded
Interview Instance	Line Instance	Data Definition Values	Data Definition Value	1 - unbounded
Interview Instance	Data Definition Value	Name	String	1
		Value	Primitive Type Value	1
Interview Instance	Attachment Input Control	Name	Input Control Name	1
		Attachment Name	Attachment Name	1
		Mime-type	String	1
		Data	base64Binary	1
Line	Data Definition	Name	Data Definition Name	1
		Label	Data Definition Label	1
		Description	Line Description	1
		Data Domain	Data Domain	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Line	Data Domain	Name	Data Definition Name	1
		Label	Data Definition Label	1
		Description	Line Description	1
		Value Type	Primitive Type	1
		Value Size	PositiveInteger	1
		Digits	NonnegativeInteger	1
		Minimum	NonnegativeInteger	1
		Maximum	PositiveInteger	1
Line	Extension	ID	UUID	1
		Name	Line Name	1
		Fields	Line Fields	1
Line	Extension Definition	ID	UUID	1
		Name	Line Name	1
		Label	Line Label	1
		Field Definitions	Line Field Definitions	1
Line	Line	ID	UUID	1
		Name	Line Name	1
		Fields	Line Fields	1
		Audit Info	Audit Info	1
		Substructure	Substructure	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Line	Line Definition	ID	UUID	1
		Name	Line Name	1
		Label	Line Label	1
		Field Definitions	Line Field Definitions	1
		Structure Definitions	Structure Definitions	0 - unbounded
Line	Line Definition Descriptor	Name	Line Name	1
		Reference	Line Definition Reference	1
Line	Line Properties	Line Definition Properties List	Line Definition Properties List	
		Line Fields Data List	Line Fields Data List	
Line	Line Definition Properties	ID	UUID	1
		Name	Line Name	1
		Label	Line Label	1
Line	Line Definition Properties List	Line Definition Properties	Line Definition Properties	
Line	Line Field Data	Line Field Name	String	
		Line Field Value	Primitive Type Value	
Line	Line Fields Data	Line Definition Name	String	
		Line Field Data	Line Field Data	
Line	Line Fields Data List	Line Fields Data	Line Fields Data	

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Line	Line Definition Reference	ID	UUID	1
Line	Line Descriptor	Name	Line Name	1
		Reference	Line Reference	1
Line	Line Field Definition	Mandatory	Mandatory Enum	1
		Line Field Name	String	
		Line Field Label	String	
		Value Type	LOV - String, Date, Decimal, Currency, Percent.	
		Value Size	Positive Integer. Not applicable for date.	
		Digits	Positive Number. Applicable for number and currency only.	
		Minimum	Number. Applicable for number and currency only.	
		Maximum	Number. Applicable for number and currency only.	
		Data Definition	Data Definition	1
Line	Line Field Definitions	Line Field Definition	Line Field Definition	0 – unbounded
Line	Line Fields	Field	Primitive Type Value	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Line	Line Reference	ID	UUID	1
		Revision	Integer	0 - 1
Line	Substructure	Line	Line	0 - unbounded
		Extension	Extension	0 - unbounded
Line	Substructure Definitions	Line Definition	Line Definition	0 - unbounded
		Extension Definition	Extension Definition	0 - unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Organization	Organization	ID	UUID	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
		Number	Party Number	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
		External Party Unique ID	External Party Unique ID	1
		Master ID	UUID	
		Master Name	Organization Name	
		Email	Email Address	1
		Phone Number	Phone Number	1
		Is Legal Entity	Boolean	1
		Notes	Notes	1
		External System Info	External System Info	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
		Parent Party Id	UUID	1
		Name	Organization Name	1
		Type	Organization Type	1
		Organization Level	Organization Level	1
		Currency	Currency Code	1
		Duns Number	Duns Number	1
		Website URL	Website URL	1
		Federal Tax Id	Federal Tax ID	1
		NAICS Code	NAICS SIC Code	1
		Phones	Party Phones	1
		Addresses	Party Addresses	1
		Aliases	Party Aliases	1
		Contacts	Organization Contacts	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
		Relationships	Organization Relationships	1
		Custom Properties	Organization Custom Properties	1
Organization	Organization Contact	Contact ID	UUID	1
		Individual ID	UUID	1
		Name	Individual Name	1
Organization	Organization Contacts	Organization Contact	Organization Contact	0 – unbounded
Organization	Organization Custom Properties	Custom Property	Custom Property Descriptor	0 – unbounded
Organization	Organization Descriptor	Name	Organization Name	1
		Reference	Organization Reference	1
Organization	Organization Descriptors	Organization Descriptor	Organization Descriptor	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Organization	Organization Properties	ID	UUID	1
		Number	Party Number	1
		External Party Unique ID	External Party Unique ID	1
		Email	Email Address	1
		Phone Number	Phone Number	1
		Is Legal Entity	Boolean	1
		Notes	Notes	1
		External System Info	External System Info	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
		Parent Party Id	UUID	1
		Name	Organization Name	1
		Type	Organization Type	1
		Organization Level	Organization Level	1
		Currency	Currency Code	1
		Duns Number	Duns Number	1
		Website URL	Website URL	1
		Federal Tax Id	Federal Tax ID	1
		NAICS Code	NAICS SIC Code	1
Organization	Organization Reference	ID	UUID	1
Organization	Organization Relationship	Relationship ID	UUID	1
Organization	Organization Relationships	Organization Relationship	Organization Relationship	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Organization	Organization Relationship Create Data	To Organization ID	UUID	1
		Relationship Type ID	UUID	1
Organization	Organization Relationships Create Data	Organization Relationship Create Data	Organization Relationship Create Data	0 – unbounded
Organization	Alias Create Data	Name	Organization Name	1
Organization	Aliases Create Data	Alias Create Data	Alias Create Data	0 – unbounded
Organization	Phone Create Data	Phone Number	Phone Number	1
		Phone Type	Phone Type	1
Organization	Phones Create Data	Phone Create Data	Phone Create Data	0 – unbounded
Party	Internal Parties Data	Internal Parties Data	Contract Party Data	0-unbounded
Party	External Parties Data	External Parties Data	Contract Party Data	0-unbounded
Party	contract-party-data	Party Type	Party Type	1
		Party ID	UUID	1
		Party Name	Party Name	1
		Role	String	0-1
		Signatories Count	Int	0-1
		Primary Con-tact ID	UUID	0-1
		Addresses	Addresses Data	0-1
		Other Con-tacts	Individual Descrip-tor	0-1
Party	Internal Parties	Internal Parties	Internal Party	0-unbounded

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Appendix B4: Complex Data Types

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Party	Internal Party	Party ID	UUID	1
		Role	String	0-1
		Signatories Count	Int	0-1
		Primary Contact ID	UUID	0-1
		Addresses	Address References	0-1
		Other Contacts	Individual References	0-1
Party	External Parties	External Parties	External Party	0-unbounded
Party	External Party	Party Type	Party Type	1
		Party ID	UUID	1
		Role	String	0-1
		Signatories Count	Int	0-1
		Primary Contact ID	UUID	0-1
		Addresses	Address References	0-1
		Other Contacts	Individual References	0-1
Party	Internal Party	Internal Party	Internal Party Input Data	0-unbounded

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Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Party	Internal Party Input Data	Party ID	UUID	0-1
		Internal Party External ID	UUID	0-1
		Party Name	Party Name	0-1
		Party Number	Party Number	0-1
		Role	String	0-1
		Signatories Count	Int	0-1
		Primary Contact ID	UUID	0-1
		Addresses	Address References	0-1
		Other Contacts	Individual References	0-1
Party	External Party	External Party	External Party Input Data	0-unbounded
Party	External Party Input Data	Party Type	Party Type	1
		Party ID	UUID	0-1
		External Party Unique ID	Number	0-1
		Party Name	Party Name	0-1
		Party Number	Party Number	0-1
		Role	String	0-1
		Signatories Count	Int	0-1
		Primary Contact ID	UUID	0-1
		Addresses	Address References	0-1
Party	Party Address	Party Address ID	UUID	1
		Reference	Address Descriptor	1
		Role	Address Role	1
		Is Primary	Boolean	1
		Audit Info	Audit Info	1
Party	Party Addresses	Party Address	Party Address	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Party	Party Alias	ID	UUID	1
		Name	Party Name	1
Party	Party Aliases	Party Alias	Party Alias	0 – unbounded
Party	Party Descriptor	Name	Party Name	1
		Reference	Party Reference	1
Party	Party Phone	Phone ID	UUID	1
		Is Primary	Boolean	1
		Type	Phone Type	1
		Number	Phone Number	1
		Audit Info	Audit Info	1
Party	Party Phones	Party Phone	Party Phone	0 – unbounded
Party	Party Reference	ID	UUID	1
		Type	Party Type	1
Party	Failed Remove Party	Party ID	UUID	1
		Failed Reason	String	1
Permission	search-request	authentication	authentication	1
		request-data	Search Data	1
Permission	search-data	name	String Search Criteria	0 - 1
		applies-to	Applies To Search	0 - 1
		start-date	Date Search Criteria	0 - 1
		end-date	Date Search Criteria	0 - 1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Permission Groups	Permission Group	ID	UUID	1
		Name	Permission Group Name	1
		Description	Permission Group Description	1
		Permissions	Permission Group Permissions	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
Permission Groups	Permission Group Descriptor	Name	Permission Group Name	1
		Reference	Permission Group Reference	1
Permission Groups	Permission Group Descriptors	Permission Group Descriptor	Permission Group Descriptor	0 – unbounded
Permission Groups	Permission Group Permissions	Permission Name	String	0 – unbounded
Permission Groups	Permission Group Reference	ID	UUID	1
Permission Groups	Search Request	Authentication	authentication	1
		Request Data	Search Data	1
Permission Groups	Search Data	Name	String Search Criteria	0 - 1
		Applies To	Applies To Search	0 - 1
		Start Date	Date Search Criteria	0 - 1
		End Date	Date Search Criteria	0 - 1
Permission Groups	Search Response	Response Data	Permission Group Descriptors	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Permission Groups	Permission Group Descriptors	Permission Group-Descriptor	Permission Group Descriptor	0 - unbounded
Permission Groups	Permission Group-Descriptor	Name	Permission Name	1
		Reference	Permission Group Reference	1
Permission Groups	Permission Group-Reference	ID	UUID	1
Pricelist	Price	List Price	Decimal	0 - 1
		Percentage	Percentage	0 - 1
		Discount Type	Discount Type	0 - 1
		Tiers	Price Tiers	0 - 1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Pricelist	Pricelist	Id	UUID	1
		Base Pricelist	Pricelist Descriptor	1
		Percentage Of Base	Percentage	1
		Name	Pricelist Name	1
		Description	Pricelist Description	1
		Promotion Description	Pricelist Description	1
		Type	Pricelist Type	1
		Product Class	String	1
		Product Family	String	1
		Currency	Currency Code	1
		Replacement Pricelist	Pricelist Descriptor	1
		Organization Type	String	1
		Region	String	1
		Is Externally Viewable	Boolean	1
		Pricelist Entries	Pricelist Entries	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
Pricelist	Pricelist Descriptor	Name	Pricelist Name	1
		Reference	Pricelist Reference	1
Pricelist	Pricelist Descriptors	Pricelist Descriptor	Pricelist Descriptor	0 – unbounded
Pricelist	Pricelist Entries	Pricelist Entry Descriptor	Pricelist Entry Descriptor	0 – unbounded
Pricelist	Pricelist Entry	Product Name	Product Name	1
		Pricing Scheme	Pricing Scheme	1
		Price	Price	1
		Unit of Measure	String	1
		Expiration Data	Expiration Data	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Pricelist	Pricelist Entry Descriptor	Product ID	UUID	1
		Product Name	Product Name	1
		Reference	Pricelist Entry Reference	1
Pricelist	Pricelist Entry Reference	ID	UUID	1
Pricelist	Pricelist Reference	ID	UUID	1
Pricelist	Price Tier	Quantity From	Integer	1
		Quantity To	Integer	1
		List Price	Decimal	1
Pricelist	Price Tiers	Tier	Price Tier	0 – unbounded
Product	Product	Id	UUID	1
		Name	Product Name	1
		Number	Product Number	1
		Type	Product Type	1
		Product Class	String	1
		Product Subclass	String	1
		Product Family	String	1
		Term Quantity	Integer	1
		Term Unit	String	1
		Entitlement Quantity	Integer	1
		Entitlement Unit	String	1
		Is Renewable	Boolean	1
		Replacement Product	UUID	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Product	Product Descriptor	Name	Product Name	1
		Reference	Product Reference	1
Product	Product Descriptors	Product Descriptor	Product Descriptor	0 - unbounded
Product	Product Reference	ID	UUID	1
Relationship	Relationship	ID	UUID	1
		From Object ID	UUID	1
		To Object ID	UUID	1
		Relationship Type ID	UUID	1
		Audit Info	Audit Info	1
Relationship	Relationship Descriptor	Name	Relationship Name	1
		Reference	Relationship Reference	1
Relationship	Relationship Reference	ID	UUID	1
Relationship	Relationship Type	ID	UUID	1
		Name	Relationship Name	1
		From Description	Endpoint Description	1
		To Description	Endpoint Description	1
		Type	Relation Type	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
Relationship	Relationship Type Descriptor	Name	Relationship Name	1
		Type	Relationship Type	1
		Reference	Relationship Type Reference	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Relationship	Relationship Type Descriptors	Relationship Type Descriptor	Relationship Type Descriptor	0 – unbounded
Relationship	Relationship Type Reference	ID	UUID	1
Relationship	Relationship Types	Relationship Type	Relationship Type	0 – unbounded
Search	Date Search Criteria	Operation	Date Query Operator	1
		Value1	DateTime	0 – 1
		Value2	DateTime	0 – 1
Search	Date Search Criteria Currency	Operation	Date Query Operator Currency	
		Date Value	Date	
		Time Value	Time	
Search	Number Search Criteria	Operation	Number Query Operator	1
		Value1	Integer	1
		Value2	Integer	0 – 1
Search	String Search Criteria	Operation	String Query Operator	1
		Value	String	1
Search	Pagination Parameters	Is Ascending	Boolean	1
		Start Index	Integer	1
		Page Size	Integer	1
Search	Date Search Criteria	Operation	Date Query Operator	1
		Value 1	DateTime	1
		Value 2	DateTime	0 - 1
Single SignOn	Parameter	Name	String	
		Value	String	

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Single SignOn	Parameters	Contract ID	UUID	0 - unbounded
		Task ID	UUID	
		SSOResumeWizardID	ID of wizard instance	
		SSOResumeFirstStep	True or False	
Single SignOn	URL Descriptor	Protocol	String	1
		Host	String	1
		Port	String	1
		Parameters	Parameters	0 - 1
Task	Task	Type	Task Type	1
		Assigned On	DateTime	1
		Creation Action	Task Creation Action	1
		Target Type	Task Target Type	1
		Contract ID	UUID	1
		Contract Name	Contract Name	1
		Creator ID	UUID	1
		Clauses	Task Clauses	1
Task	Task Clause	Clause ID	UUID	1
		Clause Name	Clause Name	1
Task	Task Clauses	Task Clause	Task Clause	0 - unbounded
Task	Task Descriptor	Type	Task Type	1
		Reference	Task Reference	1
Task	Task Descriptors	Task Descriptor	Task Descriptor	0 - unbounded
Task	Task Reference	ID	UUID	1
Task	Tasks	Task	Task	0 - unbounded
Task	reassign-comment-data	comment-text	String	0 - 1
		visible-to-options	visible-to-options	0 - 1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Term	Add LOVs Response Data	Valid LOV	Term Definition LOVs	
		InValid LOV	Fault Message	
Term	Delete LOVs Response Data	Valid LOV	Term Definition LOVs	
		InValid LOV	Fault Message	
Term	LOV Value	Value	Primitive Term Type Value	
		isDefault	Boolean	
		isInternal	Boolean	
Term	Term Definition Get LOVs'	LOV Value	Term Definition LOV Value	
Term	Term Definition LOV Value	Value	LOV Term Type Value	1
		isDefault	Boolean	1
		isInternal	Boolean	1
		Sequence	Integer	1
Term	Term	Name	Term Name	1
		Type	Primitive Type	1
		Value	Primitive Type Value	1

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Term	Term Definition	Name	Term Name	1
		Label	Term Label	1
		Mandatory	Term Mandatory	1
		Data Type	Primitive Type	1
		Entry Type	Entry Type	1
		Expected In Compliance	Boolean	1
		Organizations	Term Organizations	1
		Expiration Data	Expiration Data	1
		LOV Values	LOV Value	1
		Audit Info	Audit Info	1
		Term ID	UUID	1
		available-in-reporting	Boolean	1
Term	Term Definition LOVs	LOV Value	Term Definition LOV Value	
Term	Term Definition Descriptor	Label	Term Label	1
		Data Type	Primitive Type	1
		Reference	Term Definition Reference	1
Term	Term Definition Descriptors	Term Definition Descriptor	Term Definition Descriptor	0 - unbounded
Term	Term Definition Reference	Name	Term Name	1
Term	Term Definitions	Term Definition	Term Definition	0 - unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Term	Term Descriptor	Label	Term Label	1
		Type	Primitive Type	1
		Value	Primitive Type	1
		Reference	Term Reference	1
Term	Term Organizations	Term	Organization Descriptor	1
Term	Term Reference	Name	Term Name	1
		Revision	Integer	1
User	User	ID	UUID	1
		Username	Username	1
		Login Enabled	Boolean	1
		Notifications Enabled	Boolean	1
		Password User Modifiable	Boolean	1
		Password Does Not Expire	Boolean	1
		Last Successful Login	DateTime	1
		Last Unsuccessful Login	DateTime	1
		User Groups	User Groups	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
User	User Descriptor	Username	Username	1
		Reference	User Reference	1
User	User Reference	ID	UUID	1
User	User Usergroups	Usergroup	Usergroup Descriptor	0 – unbounded

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occurrences
		Name	Type	
Usergroup	Usergroup	ID	UUID	1
		Name	Usergroup Name	1
		Description	Usergroup Description	1
		Members	Usergroup Members	1
		Expiration Data	Expiration Data	1
		Audit Info	Audit Info	1
Usergroup	Usergroup Descriptor	Name	Usergroup Name	1
		Reference	Usergroup Reference	1
Usergroup	Usergroup Descriptors	Usergroup Descriptor	Usergroup Descriptor	0 - unbounded
Usergroup	Usergroup Members	User ID	UUID	0 - unbounded
Usergroup	Usergroup Reference	ID	UUID	1
Valuelist	Add Value Data	Value	Value List Primitive Type value	
		Description	String	
		isActive	Boolean	
Valuelist	Add Values Response Data	Valid Values Data	Add Value Data	
		Invalid Values Data	Fault Message	
Valuelist	Update Properties Data	Value List ID	UUID	
		Description	String	
		isActive	Boolean	
Valuelist	Update Values Response Data	Valid Values Data	Update Values Data	
		Invalid Values Data	Fault Message	

Table: Complex Data Types

Category	Element Name	List of Elements		Number of Occur-rences
		Name	Type	
Valuelist	Value	Value ID	UUID	1
		Value	Primitive Type Value	1
		Description	Valuelist Description	1
		Is Active	Boolean	1
Valuelist	Valuelist	ID	UUID	1
		Name	Valuelist Name	1
		Description	Valuelist Description	1
		Type	Primitive Type	1
		Origin	Valuelist Origin	1
		Is Active	Boolean	1
		Values	Values	1
Valuelist	Values Data	Add Value Data	Add Value Data	
		Update Values Data	Update Properties Data	
Valuelist	Valuelist Descriptor	Name	Valuelist Name	1
		Description	Valuelist Description	1
		Type	Primitive Type	1
		Origin	Valuelist Origin	1
		Is Active	Boolean	1
Valuelist	Valuelist Descriptors	Valuelist Descriptor	Valuelist Descriptor	0 - unbounded
Valuelist	Value List Primitive Type Value	String Value	String	
		Number Value	Integer	
		Date Value	Time	0 - unbounded
		Currency Value	Decimal	
		Percent Value	Decimal	
		Null Value	String	
Valuelist	Values	Value	Value	0 - unbounded

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Appendix C: Faults

F

Fault Name	Type	Description
AuthenticationFault	String	This is one of the Standard Operation Faults. Most likely it will occur when a user, credential, or password is invalid.
AuthorizationFault	String	This is one of the Standard Operation Faults that occurs when web service integration cannot be achieved due to an authorization failure.
ContractLockFault	String	This fault occurs when the contract object is locked and cannot be accessed by the system.
CreateFault	String	This fault occurs when a new object fails to create during web service integration.
DataValidationFault	String	This fault occurs when one or more data validation rules are broken.
DuplicateNameFault	String	This fault occurs when in the event of a duplicate object name.
IllegalOperationFault	String	This fault occurs when al illegal operation is performed during web service integration.
IndividualsInUseFault	String	This fault occurs if an individual object is being used by another operation during the time a web service integration is performed.
NonDeletableFault	String	This fault occurs when a web service integration tried to delete an object deemed non-deletable by the system.
ObjectNotFoundFault	String	This fault occurs when web service integration cannot find a particular object in the system.
ProcessFault	String	This fault occurs when there is a process preventing successful web service integration.
SystemFault	String	This is one of the Standard Operation Faults that occurs when there is a system issue preventing successful web service integration.
UpdateFault	String	This fault occurs when web service integration cannot update a particular object.
UserTaskHolderFault	String	This fault occurs when a user task holder prevents successful web service integration.
StandardOperationFaults	List	AuthenticationFault, AuthorizationFault, and SystemFault.

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Fault Name	Type	Description
LinesMappingFault	Complex	This fault occurs when there are problems in processing the lines in a contract due to one or more reasons.
AuthoredContractCreationFault	Complex	This fault occurs due to various reasons and stops a authored contract from being created. A few reasons, for exaple, are non-existant template, template category mis-match, and unsuitable template.

Appendix D: getURL Web Service Code Guideline

G

For accessing a particular interview using the getUrl web service, the client code should be coded in a certain way. See the code sample below:

```
<HTML>

<head>

<script>

function openWindow(){

var urlStr = "<URL Goes Here>";

var midTop = (screen.height/2)-117;

var midLeft = (screen.width/2)-67;

var sFeatures =
"dialogTop:"+midTop+";dialogLeft:"+midLeft+";dialogWidth:1px;

dialogHeight:1px";

window.showModelessDialog(urlStr,null,sFeatures);

}

</script>

</head>

<body>

<form>


<h1 align="center"><a href="javascript:;" onclick = "openWindow
();">Link</a></h1>

<br><br>


</form>

</body>
```

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Appendix E: Web service-Interview Design Input Control Map

Element Name	Interview Control Types
Simple Input Control	Text Field
	User Defined List
	Radio Button Set
	Check Box
	Numeric Field
	Currency Field
	Date Field
	Contract Term
Complex Input Control	Relate Contract
	Contract Property
	Owning Organization
Attachment Input Control	Contract Attachment
Line Input Control	Contract Lines
Party Input Control	Internal Party
	External Party

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