

Customizing Rational Change for DOORS for use with DOORS 9.3 OSLC integration

This document discusses the requirements when creating a custom lifecycle in Rational Change to be used with the Open Services for Lifecycle Collaboration – Change Management (OSLC-CM) integration that is built into DOORS 9.3.

When using the integration with DOORS 9.3, there are no restrictions on state names, transitions, or number of states in a lifecycle. There are no locations in the integration code that have hardcoded state names. There are, however, some hardcoded attribute names. Rational Change 5.2.0.4 ships with a new lifecycle named `doors_oslc_process_10` that is intended to be used with the OSLC integration, now included with DOORS. This lifecycle includes several custom controls and an object show form. The integration no longer uses the custom controls, They are included only to facilitate upgrade for users of the Change for DOORS Interface.

Required Attributes

Implementation Request Lifecycle

`implementsRequirement`

Label: Implements Requirement(s)

DBType: text

WebType: OSLC_LINK

Should be added to the IR Show form to display links to the associated requirement. Must be modifiable to create links between a requirement and a CR.

Requirements Change Request Lifecycle

`tracksRequirement`

Label: Associated Requirements Change(s)

DBType: text

WebType: OSLC_LINK

Should be added to the RCR show form to display the associated requirement changes. Must be modifiable by assignee or resolver when RCR is in *assigned* state.

Attributes required to allow upgrade from Change for DOORS Interface 5.7

The integration does not use these attributes, so they can be removed from all Submit and Show forms. However, these attributes do need to be defined in the CRProcess to allow upgrades from Change for DOORS Interface 5.7.

Implementation Request Lifecycle

associated_req

Label: Associated Requirement(s)

DBType: child

WebType: CCM_DOORS_INLINE_REPORT

Should be added to the IR show form to display the associated requirement information.

Requirements Change Request Lifecycle

_DYNAMIC_ATTRS

Label: DOORS Attribute Values

DBType: string

WebType: DOORS_DATA_CONTROL

Used on the RC show form. This attribute does not need to be added to any dialogs in the lifecycle editor.

dynamic_attr_new

Label: Associated Requirements Change(s)

DBType: child

WebType: CCM_RELATION

Should be added to the RCR show form to display the associated requirement changes. Must be modifiable by assignee or resolver when RCR is in *assigned* state.

dynamic_attr_orig

Label: Associated Requirements Change(s)

DBType: child

WebType: CCM_RELATION

Is used by the integration code. Does not need to be added to any forms. Must be modifiable by assignee or resolver when RCR is in *assigned* state.

has_dynamic_attr_new

Label: Associated RCR

DBType: child

WebType: CCM_RELATION

Used on the included RC show form to show the parent RCR. This attribute does not need to be added to any dialogs in the lifecycle editor.

has_dynamic_attrs_orig

Label: Associated RCR

DBType: child

WebType: CCM_RELATION

Used by the integration code.

ole_attr_data

Label: OLE Values from DOORS

DBType: child

WebType: CCM_RELATION

Stores OLE values from DOORS that are part of Requirement Change objects.

Should not be put on any show forms. Must be modifiable by assignee or resolver when RCR is in *assigned* state.

Change Log

DOORS 9.3 OSLC

Support for Change 5.1 dropped in this release, only Change 5.2.0.4 and later are supported.

Package Template Files Changed

doors_cs_template57.cfg renamed to doors_oslc_process_10.cfg

CRProcess Changes

Process upgraded to Change 5.2.0.4
Renamed to doors_oslc_process_10.xml
Added tracksRequirement attribute to RCR show form
Added implementsRequirement attribute to IR show form
Removed dynamic_attrs_new from RCR show form
Removed associated_req from IR show form

5.7

Package Template Files Changed

RationalECPSActiveXControl.CAB
base.DOORS_DATA_CONTROL
doors_cs_template56.cfg renamed to doors_cs_template_57.cfg

CRProcess Changes

Process upgraded to Change 5.1
Renamed to doors_cs_process57.xml
Section name added for reviewer information section
E-signature attributes added for each reviewer

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Support for Change 4.7 is dropped in this release.

Package Template Files Changed

RationalECPSActiveXControl.CAB
base.DOORS_DATA_CONTROL

base.CCM_RCR_INLINE_REPORT renamed to
dynamic_attrs_new.CCM_RELATION

CRProcess Changes

Renamed to doors_cs_process56.xml
dynamic_attrs_new webtype switched to CCM_RELATION
Process upgraded to Change 5.0.

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Package Template Files Changed (Change 4.7)

RationalECPSActiveXControl.CAB
base.DOORS_DATA_CONTROL

Package Template Files Changed (Change 5.0)

RationalECPSActiveXControl.CAB
base.DOORS_DATA_CONTROL
buttonbar_sub_rc_show_dflt.html
frameset_rc_details_dflt.html
rc_show_details_dflt.html
base.CCM_DECISION
base.CCM_DOORS_INLINE_REPORT
base.CCM_RCR_INLINE_REPORT
has_dynamic_attrs_new.CCM_RELATION

Package Template Files Added (Change 5.0)

delete_attributes.js
verify_reviewers_have_approved.js

CRProcess Changes (Change 4.7)

Renamed to doors_cs_process55_change47.xml
Upgraded to Change 4.7

CRProcess Changes (Change 5.0)

Renamed to doors_cs_process55_change50.xml
Upgraded to Change 5.0
TRELATIONS removed and replaced with BSF triggers