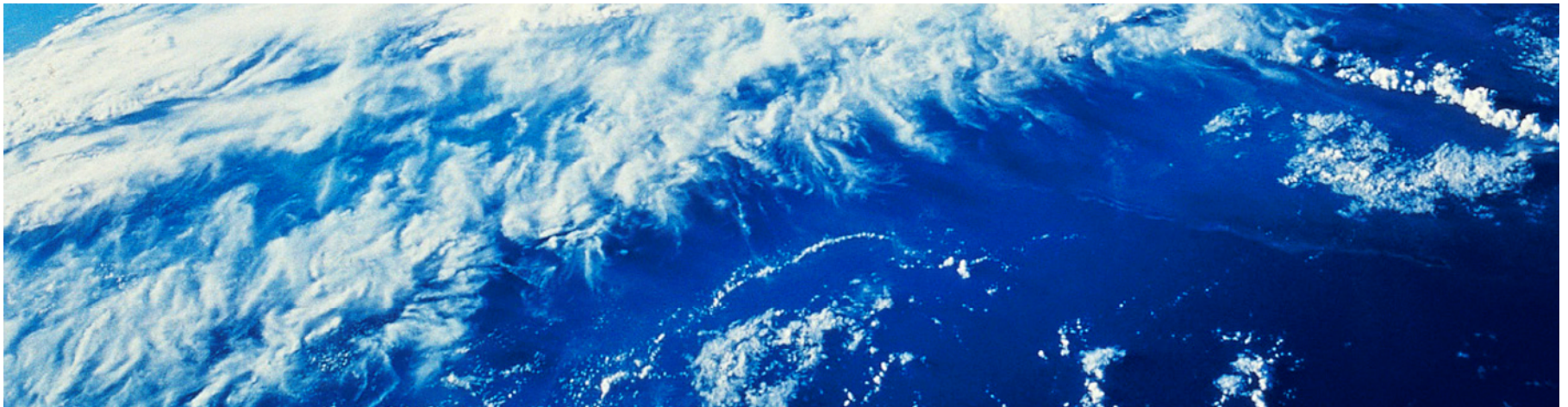


IBM WebSphere Commerce V7 FEP8

Oracle Wallet



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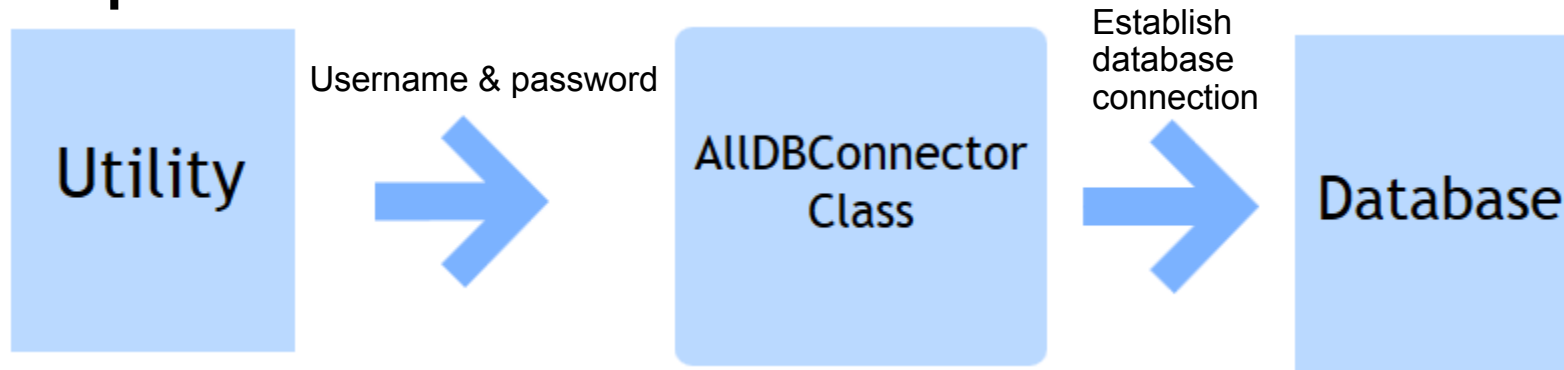
- Oracle Wallet
- AIIDBConnector class
- Logs and Troubleshooting
- References

- Most WebSphere Commerce utilities can be configured to establish database connections using Oracle Wallet
- Oracle Wallet allows for a more secure database connection
- It's a password-protected container that holds SSL certificates or encrypted passwords to be used during authentication

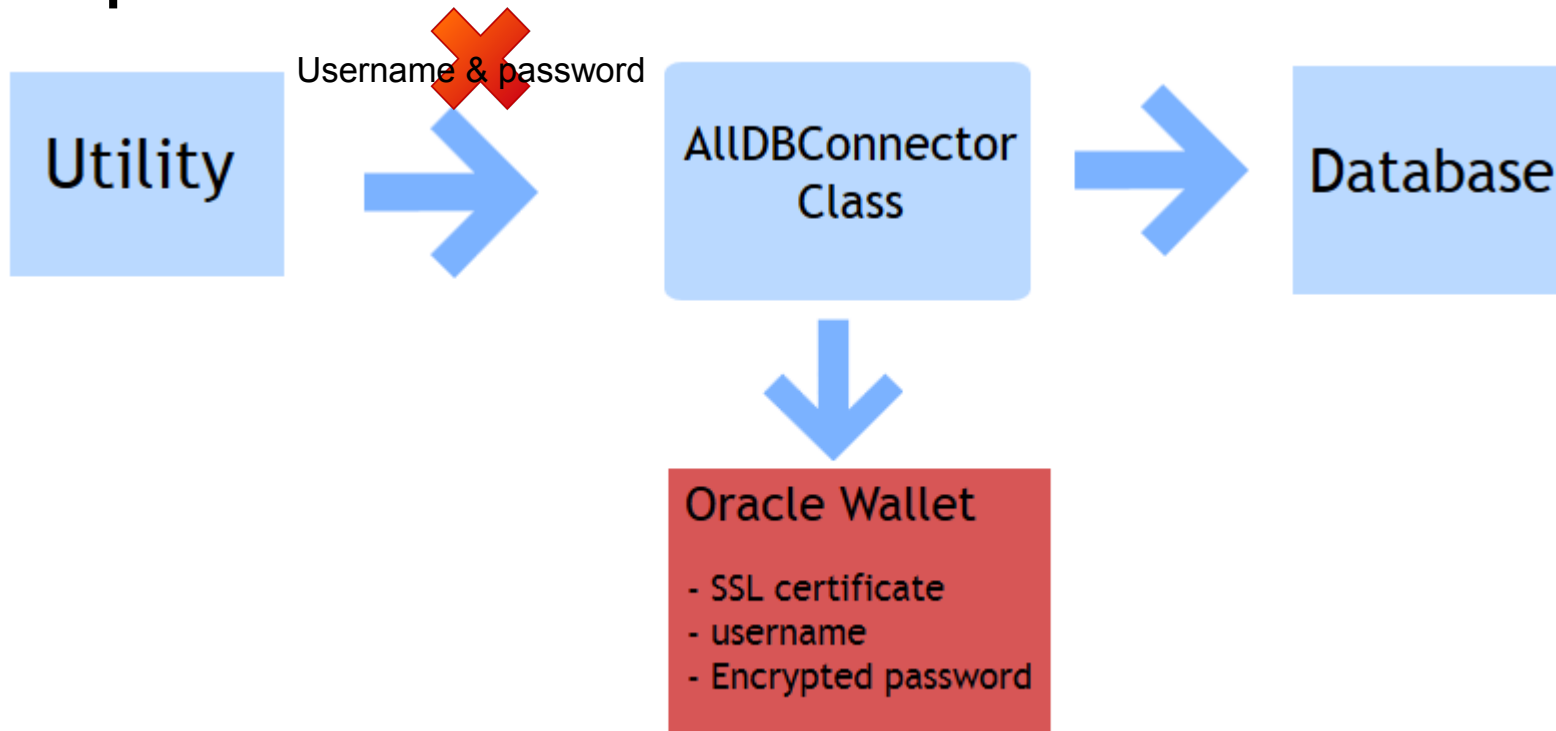
Three scenarios for using Oracle Wallet with utilities are supported:

- 1) Users are authenticated with an **Oracle Wallet SSL certificate** and **client password**
- 2) Users are authenticated using an **Oracle Wallet SSL certificate**
- 3) Users are authenticated with an **Oracle Wallet encrypted passwords**

Fixpack 8



Fixpack 9



- 1) Configure Oracle database for Oracle Wallet support
- 2) Configure alldbconnector XML file to enable use of Oracle Wallet

Configure Oracle database:

- Create Oracle Wallet using the Oracle orapki utility
- Install the certificate that is issued (when applicable)
- Export the SSL certificate for the server/client tiers (when applicable)
- Configure the sqlnet.ora, listener.ora and tnsnames.ora files with information for the system and directory information for the Wallet (when applicable)

WC_installdir/xml/config/alldbconnector.xml

Properties to configure:

IgnoreUserPass

Ignore the database username and password passed in by the user (utility)

Security

Indicates that the Security.addProvider(..) API must be called to retrieve a specified security provider for authentication

i.e. Oracle security provider: `<security
providername="oracle.security.pki.OraclePKIProvider" />`

jar

Indicates a JAR file should be loaded

i.e. Specify a JAR file for a security provider where the JAR doesn't load by default. For Oracle Wallet:

```
<jar path="c:\oracle\product\11.2.0\dbhome_1\jlib\oraclepki.jar" />  
<jar path="c:\oracle\product\11.2.0\dbhome_1\jlib\osdt_cert.jar" />  
<jar path="c:\oracle\product\11.2.0\dbhome_1\jlib\osdt_core.jar" />
```

- Refer to log for the utility for diagnostics from the AIIDBConnector class
- OR
- Refer to the log file as specified in the alldbconnector XML file under the **logoutput** property

Example of diagnostic output:

```
20140603-171408| AIIDBConnector.version> AIIDBConnector version 7.0 fixpack 9 (20140603)
```

```
20140603-171408| AIIDBConnector.readXML> Attempting to read configuration from XML:  
[/QIBM/ProdData/CommerceServer70/xml/config/alldbconnector.xml]
```

```
....
```

```
20140603-171408| AIIDBConnector.connectOrFail> Connection acquired
```


Can use the log output to verify

- the database credentials passed in by the utility are ignored,
- the security provider name that was set and
- the jars that were specified to be loaded.

```
20140603-171408| AllDBConnector.mergeProperties> Found override for: [local_auth]
```

```
20140603-171408| AllDBConnector.mergeProperties> Ignoring user: [dummy]
```

```
20140603-171408| AllDBConnector.mergeProperties> Ignoring password
```

```
20140603-165313| AllDBConnector.loadSecurity> Loading security provider with classname:  
[oracle.security.pki.OraclePKIProvider]
```

```
20140603-142117| ConnectData.fillSecurity> Stored security provider:  
[oracle.security.pki.OraclePKIProvider]
```

```
20140603-142117| ConnectData.fillJar> Stored jar with path:  
[C:\oracle\product\11.2.0\client_1\jlib\oraclepki.jar]
```

```
20140603-142117| ConnectData.fillJar> Stored jar with path:  
[C:\oracle\product\11.2.0\client_1\jlib\osdt_cert.jar]
```

```
20140603-142117| ConnectData.fillJar> Stored jar with path:  
[C:\oracle\product\11.2.0\client_1\jlib\osdt_core.jar]
```

Configuration Manager
Data Load utility
Database Cleanup utility command script
di-buildindex utility
di-preprocess utility
dtdgen utility
encryptChallengeAnswer utility
Export Marketing Statistics utility
fileloader utility
fileprop utility
idresgen utility
Import Marketing Statistics utility
indexprop utility
Instance Creation
massextract utility
massload utility (Server environment)
Migration

MigrateEncryptedInfo utility
migrateSearchFacet utility
migrateSolrSearch utility
SegmentCopy
setdbtype utility
setupSearchIndex utility
Seourlkeywordgen utility
stagingcopy utility
stagingprop utility
updatedb utility
wcsDbValidation utility

- Configuring the Oracle database connection for utilities to authenticate users with Oracle Wallet

https://knowledgecenters.hursley.ibm.com/ecd-internal/SSZLC2_7.0.0/com.ibm.commerce.admin.doc/tasks/tdballdbsetuporawall.htm

- List of utilities which use AllDBConnector for database connections:

https://knowledgecenters.hursley.ibm.com/ecd-internal/SSZLC2_7.0.0/com.ibm.commerce.admin.doc/concepts/cdealldbconnect.htm

Thank You!

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