

Lifecycle Management for OWB

OWB Phases Catalog

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IKAN ALM provides Life Cycle Management Solutions for OWB using specific Solution Phases. The OWB Solution Phases have for objective to import and deploy OWB MDX files to an Oracle Schema. This guide describes the different parameters used by the OWB Solution Phases.

1.1. OWB Solution Phases

| Solution Phase | Usage |
|-------------------------|--|
| Build Oracle OWB Files | This phase is used to copy all OWB MDX files to an archive and to generate the TCL import and control files. It is used on Build Environments. Corresponding JAR file: <i>com.ikanalm.phases.ant.scripting.buildOWBFiles-1.2.0</i> See Build Oracle OWB Files on page 2. |
| Deploy Oracle OWB Files | This phase will create the final TCL import and deploy files, based on the files generated during the <i>Build Oracle OWB Files</i> Phase, and run the OMB Plus script to deploy the OWB Files. It is used on Deploy Environments. Corresponding JAR file: <i>com.ikanalm.phases.ant.scripting.deployOWBFiles-1.2.0</i> See Deploy Oracle OWB Files on page 4. |

1.2. Assumed Knowledge

We assume that IKAN ALM is up and running, that the connection with the versioning component is set up and that the OWB Solution Phases have been imported in IKAN ALM.

Build Oracle OWB Files

2.1. Purpose

The *Build Oracle OWB Files* Phase is used to copy all OWB MDX files to an archive, which later on will be used by the Deploy process. Those MDX files contain all OWB Repository objects. Definitions and parent objects are also copied.

Next, for each MDX file, the import and deploy TCL commands are generated into import and control files. The files will be numbered in the order in which they will be executed and will be concatenated in a *list_import.tcl* and *list_deploy.tcl* file, handling the complete package.

Note: Later, the *Deploy Oracle OWB Files* Phase will use the *list_import.tcl* and *list_deploy.tcl* files to create the final *import.tcl* and *deploy.tcl* files with the right connection and environment location specifications, before running the OMB Plus script.

2.2. Usage

The *Build Oracle OWB Files* Phase can be used on Build Environments, where it replaces some default IKAN ALM Phases.

On the Environment, you have to remove the *Verify Build Script*, *Execute Script* and *Transport Deploy Script* Phases, and replace them with the *Build OWB Files* Phase.

The *Build Oracle OWB Files* Phase must be inserted after the *Transport Source* Phase and before the *Compress Build* Phase.

Example - Usage on a Build Environment

Project Administration > Build Environment Phases Overview [?](#)

INFO: ACTION SUCCESSFUL

| Build Environment | |
|---|-------------------------------|
| Name contbuild | Downloadable Build Yes |
| Build Suffix win | Debug No |
| Source Location C:/ALMDemo/environments/Customers/CONTBUILD/contbuild/source | Level CONTBUILD |
| Target Location C:/ALMDemo/environments/Customers/CONTBUILD/contbuild/target | Machine ikan028 |
| Build Script build.xml | Build Tool ANT1.9.3 |

| Phases Overview | | | | | | | | |
|-----------------|---|----|----|---|------------------------|---------------|---------------|---------------------|
| | | | | | Phase Name | Phase Version | Fail On Error | Next Phase On Error |
| ↓ | ✎ | 🗑️ | ✖ | | Transport Source | 5.7.0 | Yes | Cleanup Source |
| ↑ | ↓ | ✎ | 🗑️ | ✖ | Build Oracle OWB Files | 1.2.0 | Yes | Cleanup Source |
| ↑ | ↓ | ✎ | 🗑️ | ✖ | Compress Build | 5.7.0 | Yes | Cleanup Source |
| ↑ | ↓ | ✎ | 🗑️ | ✖ | Archive Result | 5.7.0 | Yes | Cleanup Source |
| ↑ | ↓ | ✎ | 🗑️ | ✖ | Cleanup Source | 5.7.0 | No | Cleanup Result |
| ↑ | ✎ | 🗑️ | ✖ | | Cleanup Result | 5.7.0 | No | |

[Insert Phase](#) [History](#)

2.3. Parameters

| Parameter | Description | Default Value |
|----------------------|--|---------------|
| alm.phase.mainScript | Main script | buildOWB.xml |
| owb.dir | Main directory of the OWB source folders | owb |

Deploy Oracle OWB Files

3.1. Purpose

The *Deploy Oracle OWB Files* phase will import the *list_import.tcl* and *list_deploy.tcl* files generated during the *Build Oracle OWB Files* Phase, into an OWB repository using the OMB Plus commandline interface.

Those files will be used as arguments and will be concatenated with the corresponding TCL procedures to create the final *import.tcl* and *deploy.tcl* files used to run the OMB Plus script.

The process will be as follows:

- First you specify the required parameter values, such as the Oracle Database User Name and Password, the Oracle port and SID, the OWB Home and the OMB Plus import mode.
- The *Deploy Oracle OWB Files* Phase will concatenate the TCL files for import and deploy.
- After the execution of the import and deploy, the script will verify whether the OMB Plus script ended successfully.

3.2. Usage

The *Deploy Oracle OWB Files* Phase can be used on Deploy Environments, where it replaces some default IKAN ALM Phases.

On the Environment, you have to remove the IKAN ALM *Verify Deploy Script* and the *Execute Script* Phase and insert the *Deploy Oracle OWB Files* Solution Phase after the *Decompress Build Result* Phase.

Example - Usage on a Test Deploy Environment

Project Administration>Deploy Environment Phases Overview ?

INFO: ACTION SUCCESSFUL

| Deploy Environment | |
|---|------------------------------------|
| Name testdeploy | Debug No |
| Source Location C:/ALMDemo/environments/Customers/TEST/testdeploy/source | Level TEST |
| Target Location C:/ALMDemo/environments/Customers/TEST/testdeploy/target | Machine ikan028 |
| Deploy Script deployTestLevel.xml | Deploy Tool ANT1.9.3 |
| Partial Deploy No | Build Environment contbuild |

| Phases Overview | | | | |
|-----------------|-------------------------|---------------|---------------|----------------------|
| | Phase Name | Phase Version | Fail On Error | Next Phase On Error |
| | Transport Build Result | 5.7.0 | Yes | Cleanup Build Result |
| | Decompress Build Result | 5.7.0 | Yes | Cleanup Build Result |
| | Deploy Oracle OWB Files | 1.2.0 | Yes | |
| | Cleanup Build Result | 5.7.0 | No | |

[Insert Phase](#) [History](#)

3.3. Parameters

| Parameter | Description | Default Value |
|----------------------|--|----------------------|
| alm.phase.mainScript | Main Script | deployOWB.xml |
| oracle.passwd | Oracle User Password | ***** |
| oracle.sid | Oracle SID | SID |
| oracle.user | User name for the SID connection | USER |
| oracle.workspace | User workspace | \${ora.user} |
| owb.home | Oracle OWB_HOME location (i.e., [OWB_HOME]/owb/bin/..) | OWB_HOME |
| owb.mode | OMBIMPORT mode can have the following values: CREATE_MODE, REPLACE_MODE, UPDATE_MODE, MERGE_MODE, TRANSLATION_DIRECT_LOAD_MODE | UPDATE_MODE |
| owb.project.name | OWB Project name if not equal to alm.project.name | \${alm.project.name} |
| rdbms.host | Oracle Host | localhost |
| rdbms.port | Oracle Port | 1521 |

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