AppsRules

Cloning Guide

Software Version 6.5

LogicalApps®

Restricted Rights Legend

Logical Apps provides on-site support as well as remote phone and web support to ensure quick and effective product implementation. To request support, to suggest product enhancements, or to comment on Logical Apps software or documentation, send email to support@logicalapps.com, or contact us at the address or phone number given below.

Document Version AR010-65A

11/18/2005

Logical Apps
15420 Laguna Canyon, Suite 150
Irvine, CA 92618
949.453.9101

Contents

Cloning AppsRules

This guide describes the activities that must be performed when an Oracle Applications environment with Logical Apps products installed is cloned from another system. Use this document in conjunction with Oracle's procedures for copying one environment to another.

Logical Apps software products consist of forms, Application Object Library components such as menus, database objects such as tables and stored procedures. For the products to function correctly after creating an instance as a copy of another, include the steps described in this guide as part of your cloning procedures.

- The first part of the guide summarizes all the steps that should be included in your environment procedures. There are also some additional steps that you can optionally use to preserve rule records that are developed before an instance is overlaid.
- The second half of the guide includes the technical details of the individual steps.

Assumptions

These steps are for cloning from a source environment in which Logical Apps is installed.

- The clone includes database and software copy.
- Logical Apps patch levels are the same in both environments.

Process Step Overview

Before the clone, perform the following optional steps:

1. Save Logical Apps Rules. Preserve any rules in the environment to be overwritten.
   - Define a library of rule components to be preserved.
   - Export Library to file.
   - Back up files to "safe" area.
2. After creating directories for the target environment, restore Logical Apps Export files (xml) to the appropriate directory for the target system.

Note
The only dependency would be that the new target environment file directories have been created. The file is not imported at this stage.

3. After opening the target database, review and update the Logical Apps environment as follows:
   - Confirm Java path and Java version for the concurrent manager server.
   - Review LAGENLIB.prog on the concurrent manager server.
   - Review LAMIGRATE.prog on the concurrent manager server.
   - Review LACONFIG on the concurrent manager server.
   - Review LAFORMSGEN.prog on the forms server.
   - Relink the forms server libraries.
   - Relink the programs to fndcpesr.
   - Validate the AppsRules Configuration to reference valid UTL files for the target system.
   - Review Migration setup.
4. If AppsFlow is installed, after defining concurrent managers in the new environment and after concurrent managers are started, schedule the Workflow background engine concurrent request to run periodically.
5. Import rules from the xml files created in step 1 into the target system in the following order:
   - Extensions
   - Rules
   - Flows
   - Libraries

   Recompile any SQL rules.

   Run Refresh Cache form Tools/AppsRules Configuration.

Process Details

1. Verify java path and java version on the target concurrent manager server.
   - The path to java can be confirmed using the command which java
   - Verify that the java is jdk 1.3 or later using the unix command java – version
2. Modify the LAGENLIB.prog located in Logical Apps Top/bin directory.
   - If the form server and database server are on the same machine, make sure that the environment file references the correct Applications environment file to source the environment. Verify this file sets both Applications and Oracle home environment variables using the following example commands.

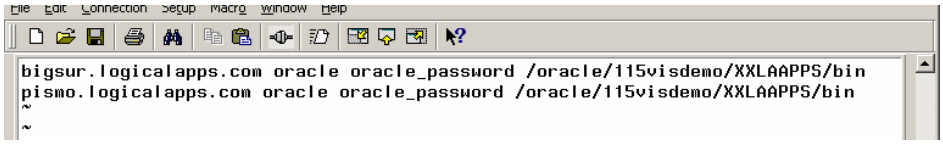
     ```
     . .APPSORA.env
     echo $ORACLE_HOME
     echo $APPLTOP
     .
     ```

   - Validate that the path to the java executable in these files references the path verified in step 1.
   - Edit the file if necessary to use the appropriate path.

     ```
     /usr/bin/java RunFtp $v1 $v2 $v3 $dfile $lfile >/dev/null
     /usr/bin/java RunTelnet $v1 $v2 $v3 "$cmd1"
     done < /export/home/oracle/apps1158dev/appl/XXLAAPPS/11.5.0/bin/laconfig
     ```
3. Modify LAMIGRATE.prog, located in Logical Apps Top/bin on the concurrent manager server.
   - Validate that the path to the java executable in these files references the path that was verified in step 1; edit the file if necessary to use the appropriate path. (Skip this step if the forms and database servers are on the same machine.)
   - Modify LACONFIG, located in the Logical Apps Top/bin directory on the concurrent manager server. This file stores login information for the forms server. Execute the UNIX command uname –a on the forms server to obtain the hostname.

     There are four fields separated by a single space: form server host name, UNIX login ID to form server machine, UNIX password, full path of Logical Apps top bin on the form server
   - When using multiple forms servers, create a line in this file for each forms server for the new environment. Set the access on this file to owner only using the command chmod 700 laconfig.

4 Modify LAFORMSGEN.prog, located in the Logical Apps top/bin directory on the forms server. Make sure that the environment file sources the correct environment for the forms server . Validate that both Applications and Oracle Home environments are set as in step 2.

5 If your database server resides on a machine distinct from the one that runs the forms server and concurrent manager, and if you use a common mount point, modify TKPROF.prog, which is located on the concurrent manager server. In the file, locate the following line:

```
tkfiles='ls $5'
```

Delete that line and substitute the following lines, replacing the word *path* with the path to the directory mount point in which trace files are generated:

```
para=$5
dir="path"
file=${para##*/}
tkfiles='ls $dir$file'
```

6 Regenerate the forms server libraries.

- Delete plx libraries from $AU_TOP resource (LABRSQL, LACUSTOM, CUSTOM).
- Regenerate libraries in the following order LABRSQL, LACUSTOM, CUSTOM). The following is example code for library compilation:

```
f60gen module=custom user_id=apps/apps module_type=library
compile_all=special
```

7 Re-create the Links to fndcpesr for the .prog files in the new environment using these commands:

```
$. ln -s $FND_TOP/bin/fndcpesr LAGENLIB
$. ln -s $FND_TOP/bin/fndcpesr LAMIGRATE
$. ln -s $FND_TOP/bin/fndcpesr LATKPROF
$. ln -s $FND_TOP/bin/fndcpesr LAIMPORT
```

8 Make sure that UTL path setup in AppsRules configuration references a valid utl directory for this environment.

Navigation: `Appsrules\Tools Menu\AppsRules Configuration.`

Execute the following code and test the privilege on the utl directory, it should complete with no errors, validate that the file validutl.txt is created in the directory specified in the AppsRules configuration:

```
set serveroutput ON
declare
v_directory varchar2(240);
file_handle UTL_FILE.FILE_TYPE;
begin
SELECT utl_pathname
```

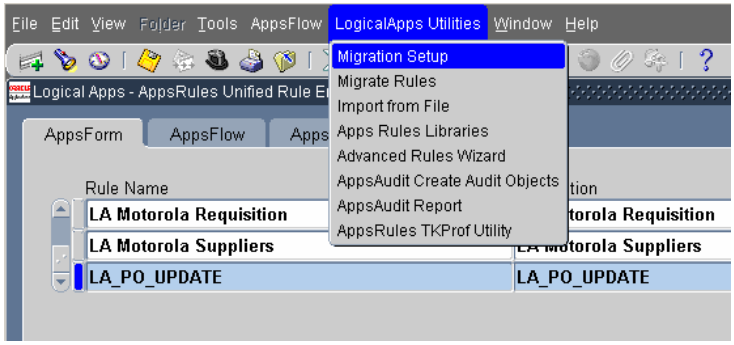
```
INTO v_directory
FROM la_br_configurations;
dbms_output.put_line(v_directory);
file_handle := utl_file.fopen(v_directory,'validutl.txt','W');
sys.utl_file.put_line(file_handle,'testing line1');
sys.utl_file.put_line(file_handle,'testing line2');
sys.utl_file.put_line(file_handle,'END;');
sys.utl_file.fclose(file_handle);
END;
```

9 Migration Setup Detail -- Review the migration entries in the new environment.

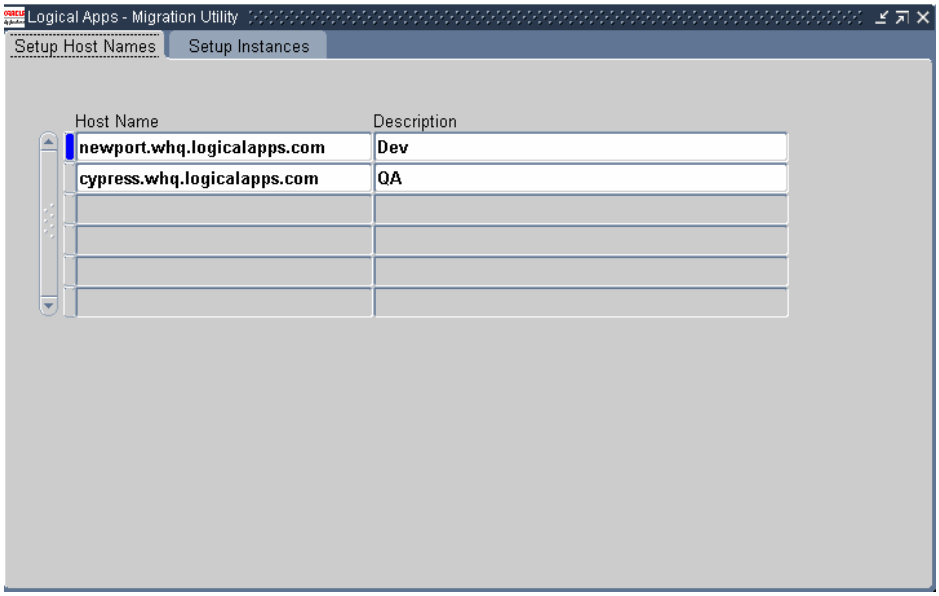
You need to define the connection information for the current database and at least one target before users will be able to migrate rules from one instance to another instance.

Configure the migration machines and instances as follows:

- Open AppsRules.
- Select Logical Apps Utilities>Migration Path Setup.



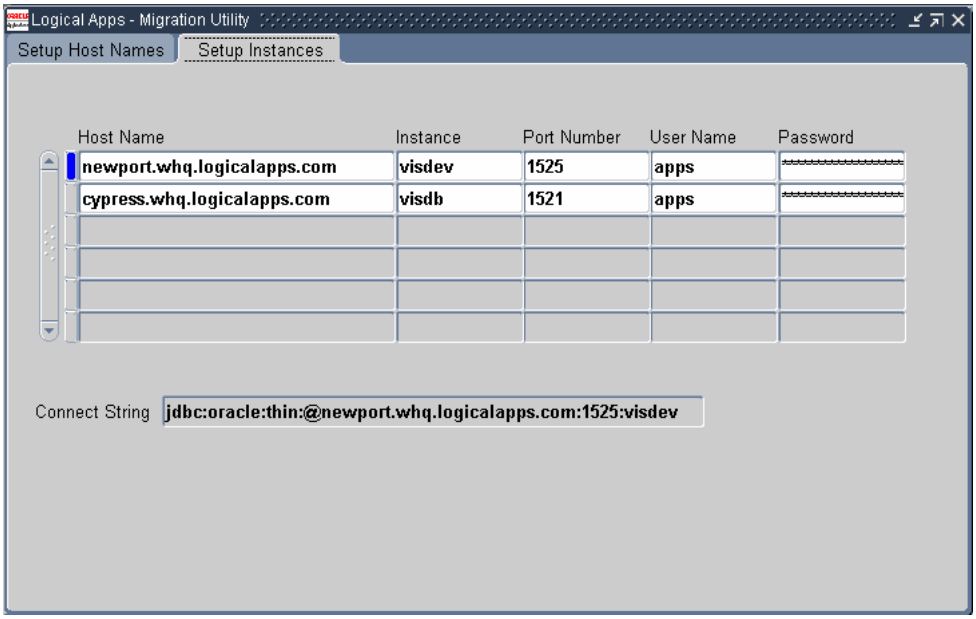
- Select tab Setup Host Names.



- Enter Host Name (Machine Name).
- Enter Description.

Note
Connection information may be found in the tnsnames file in the Oracle Home Network Admin directory

- After configuring the Host Names, select tab Setup Instances.



- Select Host Name. LOV of machines defined in previous.
- Enter Instance.
- Enter the database listener Port Number.
- Enter the database User Name = apps.
- Enter database Password for the APPS user
- Save. You have now completed the configuration for a migrating instance.

  After saving, connect String is configured automatically using settings identified above.

  Example:

  `jdbc:oracle:thin:@pismo.whq.logicalapps.com:1527:visdemo`

10 If AppsFlow is installed, after defining Concurrent Managers in the new environment, confirm/review that the Workflow background engine concurrent request is scheduled periodically. If your workflow background request runs for specific item types make sure that LAAF Header, LAAF Approval and LAAF Conc Child item types are included for deferred and timed out processes.

Refreshing Database Only

There are a few steps to remember when refreshing the database only.

1. Copy the $XXLAAPPS_TOP (Logical Apps custom application) directory to the instance you are refreshing.
2. Copy or update the environment files Depending on the architecture, environment files in the database server, concurrent manager server and forms server may be affected. Be sure a reference to the XXLAAPPS_TOP directory is in the environment files.

For example, you need a reference like the following in the environment files:

```
XXLAAPPS_TOP="/oracle/bin/ebus115/appl/XXLAAPPS/11.5.0";export
XXLAAPPS_TOP
```

Caution
Important: Bounce the servers after this change is made.

Common errors encountered because of this:

- When submit concurrent program such as SQL Compile or LAIMPORT the status stays Pending and the program never runs.
- AppsRules forms will not open.

Support

Logical Apps offers many services to assist you with the AppsRules implementation. From on-site support to remote phone and web support, our team of experienced professionals provides the help and information you need to ensure quick and effective implementation. The Logical Apps team includes a Technical Support Representative, an Account Manager, and a Logical Apps staff consisting of consultants and support specialists.

Feedback

Thank you for using Logical Apps AppsRules. We value your comments and feedback. Mail your comments to the following address, or call us directly at (949) 453-9101.

Logical Apps
Attn: Documentation Management
15420 Laguna Canyon Road
Suite 150
Irvine, CA 92618
U.S.A.

Or send email to support@logicalapps.com.