

AppsRules

Cloning Guide

Software Version 6.5

© 2005 Logical Apps

All rights reserved. Printed in USA.

Restricted Rights Legend

This software and associated documentation contain proprietary information of Logical Apps. It is provided under a license agreement containing restrictions on use and disclosure and it is also protected by copyright law. Reverse engineering of this software is prohibited.

The information contained in this document is subject to change without notice. If you find problems in the documentation, report them to support@logicalapps.com. Logical Apps does not warrant that this document is error free. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Logical Apps.

AppsAccess, AppsAudit, AppsControl, AppsExtend, AppsForm, AppsFlow, and AppsRules are trademarks of Logical Apps. All trademarks and registered trademarks are the property of their respective owners.

Document Version AR010-600B

6/29/05

Submit product enhancement requests through email at support@logicalapps.com. The majority of our product enhancements come from client requests.

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

Contents

Cloning AppsRules 1

 Assumptions 1

 Process Step Overview 2

 Process Details..... 3

 Refreshing Database Only 6

Support 9

 Feedback..... 9

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 fndcpestr.
 - 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.

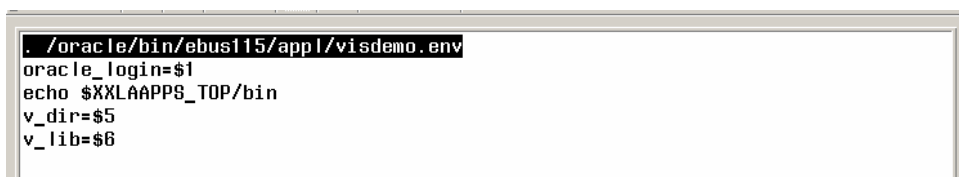
Run Refresh Cache form Tools/AppsRules Configuration.

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 the database server are on the same machine, then 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
.
```



```
. /oracle/bin/ebus115/appl/visdemo.env
oracle_login=$1
echo $XXLAAPPS_TOP/bin
v_dir=$5
v_lib=$6
```

- 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.

```
done < /usr/bin/java RunFtp $v1 $v2 $v3 $dfile $lfile >/dev/null
done < /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.

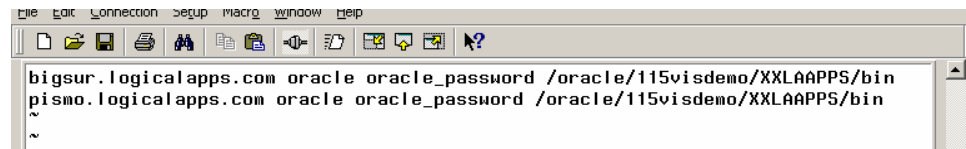
Skip this step if the form server and data base server are on the same machine.

- Modify laconfig located in Logical Apps Top/bin directory on the concurrent manager server.

This file stores the login information about the form 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 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
```
- 6 Re-create the Links to fndcper for the .prog files in the new environment using these commands:


```

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

```
- 7 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');

```



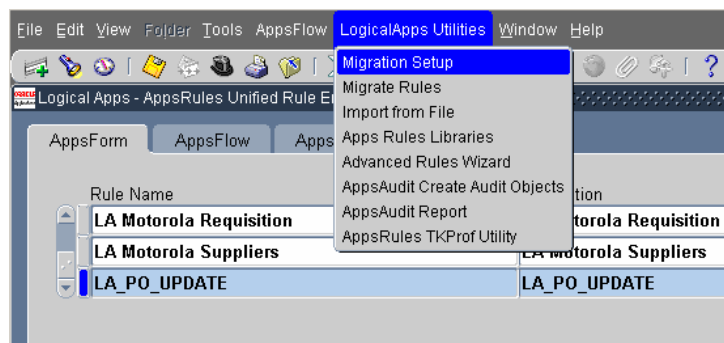
```
sys.utl_file.put_line(file_handle,'testing line2');
sys.utl_file.put_line(file_handle,'END;');
sys.utl_file.fclose(file_handle);
END;
```

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

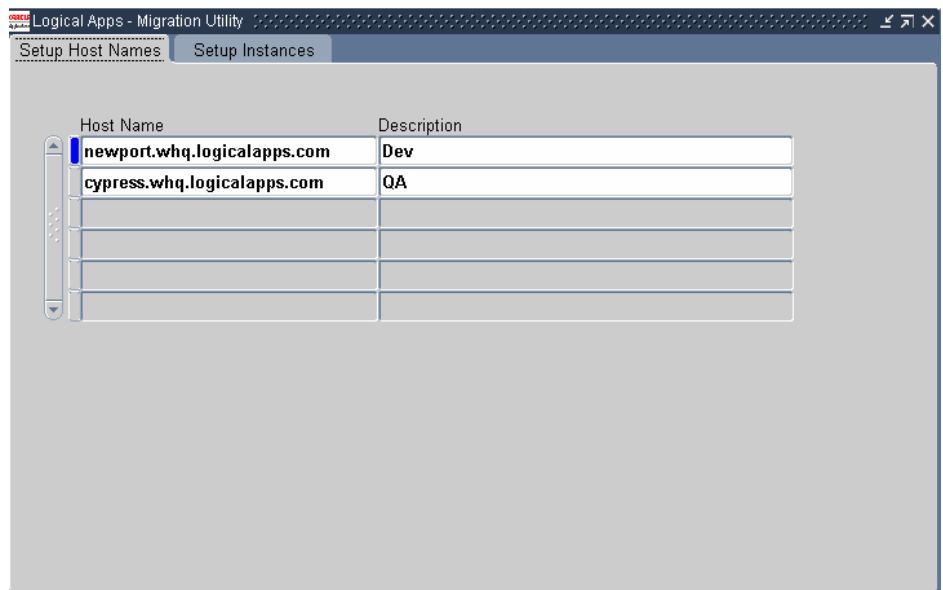
You need to define the connection information for the current database and at least one target before users will be able to migrate rules from one instance to another instance.

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.

Host Name	Instance	Port Number	User Name	Password
newport.whq.logicalapps.com	visdev	1525	apps	
cypress.whq.logicalapps.com	visdb	1521	apps	

Connect String `jdbc:oracle:thin:@newport.whq.logicalapps.com:1525:visdev`

- 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
```

- 9 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.

