Avalara Integration Solution

XXAVL – Installation instructions for Oracle EBS Connection

Document Control

Change Record

Date	Author	Version	Change Reference
June 21, 2021	Blankit	2.0	
August 02, 2021	Blankit	3.0	
March 11, 2022	Blankit	4.0	

Reviewers

Name	Position
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Contents

Sumary

Requirements to Install XXAVL

Access types

1. EBS Application Server (Host/User/Password)
2. EBS Database Server (Host/User/Password)
3. Oracle APPS Password
4. Oracle SysAdmins Password
5. EBS WEBLogic Password
6. EBS SYSTEM Password
7. Wallet Directory
8. Avalara Integration USER_ID and USER_SECRET

Update Instructions to XXAVL

Machine: Application Server

Updation Steps

1) Note: Create XXAVL Application:

- Go to folder $APPL_TOP/admin

- Rename the file **newprods.txt** to **newprods.txt.ori**

- Change the file **newprods.txt,** including the text below:

```
%%% Splicer control file format 12.0.A
#
# $Header: newprods.txt 120.1 2021/04/01 18:00:00 marcelobetim noship $
#
#
# Section for Oracle Support Diagnostic Tools

product=xxavl
base_product_top=*APPL_TOP*
oracle_schema=xxavl
sizing_factor=100
main_tspace=APPS_TS_TX_DATA
index_tspace=APPS_TS_TX_IDX
temp_tspace=TEMP
default_tspace=APPS_TS_TX_DATA

# end of Oracle Support Diagnostic Tools
```

- Create the file with name **xxavlterr.txt,** including the text below:

```
# +=====================================================================+
# |   Copyright (c) 1994 Oracle Corporation Redwood Shores, CA USA      |
# |                    All rights reserved.                    |
# +=====================================================================+
# | FILENAME                            |
# |    xxavlterr.txt                     |
# | $Header: xxavlterr.txt 120.1 2009/04/01 15:34:48 lpovoas noship $
# |                                |
# | DESCRIPTION                         |
# |    Appliation Autopatch territory description file for now        |
# |    it only contains a list of possible languages              |
# |                                |
# | NOTES                             |
```

```
# |    All comment lines must begin with a #.                    |
# | HISTORY                                          |
# |    01-ABR-09 Luiz Povoas     created                    |
# +=====================================================================+
#
%%% Single-product territory data file format 12.0.A
#
# Release abbreviation
# 10.7 - R1107, 11.0 = R11.0.28, 11.5 = R115
R120
#
# ################################################################
# LIST OF LANGUAGE INFO
# ################################################################
#
# See applterr.txt for more info on what the fields for a language mean
#
# You should specify the product's name in American English
#
# You do not need to include records for other languages unless you need to
# specify the product's name in other languages
#
# ##############################
#
# language id, shortname, codes and names
0 usaeng US    AMERICAN              EN US American_English
# appltape filename, appltape filename for loc. products, codeset
appltape.txt          appltape.txt              WE8ISO8859P1
# signon translated, standard dg name, other dg prefix
Yes              Standard       Data_Group
# products that have dnls.drv files
none
# products that have bnls.drv files
none
# products that have fnls.drv files
none
# products that have GV dnls.drv files
none
# products that have GV fnls.drv files
none
# product names in this language
c     xxavl   XXAVL_Applications
END_OF_PRODUCT_NAMES
#
# You may specify info for other languages here, but usually you will
# not need to do this.
#
END_OF_LANGUAGE_INFO
#
# ################################################################
# end of xxavlterr.txt file
# ################################################################
```

- Check an available APPLICATION ID, using the following query (In the case of DEV, we use 22006):

  If a new ID is used, replace ID 22006 (in red) with the new one in the text below, use ID above 20000.

  ```
  select decode(count ,0, 'Selected number is available', 'Selected number is already in use') Status,
  &&enter_custom_applID selected_number
  from
  (
  select count(*)
   as count from
  (
  select 'x' from fnd_oracle_userid
  where oracle_id= &&enter_custom_applID
  union
  select 'x' from fnd_application
  where application_id= &&enter_custom_applID
  )
  );
  ```

- If the APPLICATION ID is available, create the **xxavlprod.txt** file and place the following inside it:

  (If a new ID is used, replace ID 22006 (in red) with the new one in the text below, use ID above 20000)

  ```
  # +========================================================================+
  # |   Copyright (c) 1992 Oracle Corporation Redwood Shores, CA USA      |
  # |                 All rights reserved.                    |
  # +========================================================================+
  # | FILENAME                              |
  # |    xxavlprod.txt                    |         |
  # | $Header: xxavlprod.txt 120.1 2021/04/01 18:00:00 marcelobetim  oship $ |
  # |                                  |
  # | DESCRIPTION                            |
  # |    Common product description file.                  |
  # |                                  |
  # | NOTES                             |
  # |    All comment lines must begin with a #.                 |
  # |    This file is changed with each release.               |
  # | HISTORY                            |
  # |    01-ABR-21     created                |
  # +========================================================================+
  #
  # #################################################
  # file format id (should begin with "%%%")
  # #################################################
  %%% Single-product product data file format 12.0.A
  #
  # #################################################
  # LIST OF PRODUCT ABBREVIATIONS and the corresponding application ids.
  # This list lets you forward-reference the abbreviations of shared products.
  # This list should match the official correspondence between id and
  # abbreviation, given for each product in the Product List.
  # #################################################
  #
  # Product specific Product ID's
  ```

xxavl   22006

END_OF_PRODUCT_ABBREVIATIONS   -999
#
###
Oracle Support Diagnostic Tools
###
#
application id, abbreviation, shortname, prefix
22006 xxavl XXAVL APP
multiple product installations for msob, "controlled release", shared only
optional fourth field is "stub product". default is No
No No No No
multilingual, has NLADD.sql
Yes Yes
install oracle id, default ORACLE username, default ORACLE password
22006 XXAVL XXAVL
concurrent conflict set id (logical database id)
0
minimum version you can upgrade from, for shared and for fully-installed
1.0.0 1.0.0
shared products
FND, AK, AX and AZ are required for this section
For example:
fnd ak ax az gl inv po ap fa ar oe as per pay mfg bom eng mrp crp wip pa
If you list a product in the set-to-install or required-as-installed
sections below, you MUST also list the product as a shared product
fnd ak ax az
none
product libraries needed for "make -f <product>.mk all"
For example: fnd alr gl rg
none
when install this product, set these other products to install
This is the set-to-install section
AK, AX and AZ are required for this section
For example: ak ax az rg
This section must exactly match the required-as-installed section
ak ax az
none
requires that these other products are fully installed or installing
This is the required-as-installed section
AK, AX and AZ are required for this section
For example: ak ax az rg
This section must exactly match the set-to-install section
ak ax az
none
#
###
END OF PRODUCT LIST
###
#
END_OF_PRODUCTS
#
###
START OF RELEASE LIST

```
# ###################################################
# For each release, the products should be listed in install/upgrade order.
# FND should always be listed first in the release.
#
# The first release listed should be the lowest release
# we support upgrading from (e.g. release 10.5.0 for MPL 10)
# AutoInstall will stop if a product version is lower than the lowest release.
# AutoInstall will assume that if a product version is at the lowest release,
# then it can be upgraded to the current release.
#
#
# ###################################################
# Release 12.0.0
# ###################################################
#
# release name, for use by AutoInstall only
Release 12.0.0
# release version, for FND_PRODUCT_GROUPS and the \ Help Version feature.
# this value should not contain any English.
12.0.0
# release abbreviation, rename prefix, release type
R120   R120_    additional-this-mpl
# list of products and versions
XXAVL    12.0.0
END_OF_RELEASE  0.0.0
#
#
# ###########################################################################
# end of xxavlprod.txt file
# ###########################################################################
#
```

- Turn off the application.

- Run adsplice and follow the instructions on the screen. At the end of the process, the system will run the auto-config in the environment.

2) Note: Ensure that directories are created on the application server:

```
$XXAVL_TOP/forms/US
$XXAVL_TOP/forms/PTB
$XXAVL_TOP/patch/115/driver
$XXAVL_TOP/patch/115/import
$XXAVL_TOP/patch/115/publisher/defs
$XXAVL_TOP/patch/115/publisher/templates
$XXAVL_TOP/patch/115/sql
```

3) Note: Grant Privileges on objects to XXAVL:

4) Note: ACL Setup

After schema installation both on APP and DB and grants, it's necessary to create the ACL and set it for the scham XXAVL so it can connect with external hosts. To do it run the script bellow with Sys user on SQL Developer (Change the URL in the ACL host in case of PROD change from "api-gateway.sandbox.avalarabrasil.com.br" to "api-gateway.avalarabrasil.com.br").

```
Declare
BEGIN
 DBMS_NETWORK_ACL_ADMIN.CREATE_ACL(acl       => 'Avalara.xml',
                    description => 'Connection to Avalara',
                    principal   => 'XXAVL',
                    is_grant    => true,
                    privilege   => 'connect');
--
 DBMS_NETWORK_ACL_ADMIN.ADD_PRIVILEGE(acl      => 'Avalara.xml',
                     principal => 'XXAVL',
                     is_grant  => true,
                     privilege => 'resolve');
--
 DBMS_NETWORK_ACL_ADMIN.ASSIGN_ACL(acl  => 'Avalara.xml',
                    host => 'api-gateway.sandbox.avalarabrasil.com.br');
END;
/
COMMIT;
/
```

5) Note: Create Wallet for Avalara Certificates:

Data base server

- Create a folder on the server. Example:

      mkdir -p /u01/app/oracle/wallet

- Copy certificates to folder /tmp/cert

- Run the commands below:

```
sh orapki wallet create -wallet /u01/app/oracle/wallet -pwd @Certificad0s -auto_login

sh orapki wallet add -wallet /u01/app/oracle/wallet -trusted_cert -cert /tmp/cert/Certificado_amazon_auth.cer -pwd @Certificad0s
sh orapki wallet add -wallet /u01/app/oracle/wallet -trusted_cert -cert /tmp/cert/Certificado_amazon_C1_auth.cer -pwd @Certificad0s
sh orapki wallet add -wallet /u01/app/oracle/wallet -trusted_cert -cert /tmp/cert/Certificado_starfield_auth.cer -pwd @Certificad0s
sh orapki wallet add -wallet /u01/app/oracle/wallet -trusted_cert -cert /tmp/cert/Certificado_starfield_C2_auth.cer -pwd @Certificad0s
```

6) Note: Apply the latest patch objects with upload_patch.sh file.

Copy the patch content to the Aplication server $XXAVL_TOP folder, extract its content and run the file upload_patch.sh, after the instalation send back a copy of the logs folder.

7) Note: Update the DATA_TABLE files with the correct environment parameters.

Change the Avalara integration user, Wallet address and Password on the file DATA_TABLE\ XXAVL_PARAMETERS.sql and change the API URL on the file DATA_TABLE\XXAVL_MODULOS.sql.

8) Note: Roll-Back Instructions

Drop all XXAVL objects, inactivate the concurrent requests and the Avalara Integration Responsibility.

Open and Closed Issues for this Deliverable

Open Issues

ID	Issue	Resolution	Responsibility	Target Date	Impact Date

Closed Issues

ID	Issue	Resolution	Responsibility	Target Date	Impact Date