Pre-Configuration Common Logging Setup

**Document Control**

Document Origin

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# Introduction

This document describes the Common Logging Deployment approach to be used within the *NextGen* Project.

# scope

The scope of this document is to describe the deployment process for Common Logging.

The technical scope includes:-

* SOA suite components
* PL/SQL Components
* ADF component
* Email Configuration

# DEPLOYMENT

## SOURCE CODE

|  |  |
| --- | --- |
| Component NAME | TYPE |
| CommonLogging | SOA Composite |
| EmailNotification | SOA Composite |
| COMM\_AUDIT\_LOG | PL-SQL |
| AuditLog | ADF Application |
|  |  |

## Deploy Application

### Create User in Database

***Step 1***-   Create user <env>\_xxnuc\_logging” in database with access to create\drop tables, views, type, procedure, package, sequence etc.

*Use Below script* (note: Edit Env name for user )

CREATE USER <env>\_xxnuc\_logging IDENTIFIED BY (MDS or SOAINFRA) password;

GRANT DROP ANY TYPE TO "<env>\_xxnuc\_logging " ;

GRANT DROP ANY SEQUENCE TO "<env>\_xxnuc\_logging " ;

GRANT DROP ANY TABLE TO "<env>\_xxnuc\_logging " ;

GRANT DROP ANY VIEW TO "<env>\_xxnuc\_logging " ;

GRANT DROP ANY PROCEDURE TO "<env>\_xxnuc\_logging " ;

GRANT CREATE TYPE TO "<env>\_xxnuc\_logging " ;

GRANT CREATE SEQUENCE TO "<env>\_xxnuc\_logging " ;

GRANT CREATE TABLE TO "<env>\_xxnuc\_logging " ;

GRANT CREATE VIEW TO "<env>\_xxnuc\_logging " ;

GRANT CREATE PROCEDURE TO "<env>\_xxnuc\_logging " ;

***Step 2***-              Provide following AQ grants from SYSTEM user

GRANT CONNECT, RESOURCE TO <env>\_xxnuc\_logging;

GRANT EXECUTE ON DBMS\_AQADM TO <env>\_xxnuc \_logging ;

GRANT Aq\_administrator\_role TO <env>\_xxnuc \_logging;

GRANT EXECUTE ON dbms\_aq TO <env>\_xxnuc \_logging;

***Note***: If User name “**Xxnuc\_logging**” is altered following files have to be changed

      COMM\_AUDIT\_LOG.ugr

      COMM\_AUDIT\_LOG.sql

      COMM\_AUDIT\_LOG\_PKG.pkb

      CommonLoggingProviderAQAdapter\_aq.jca in CommonLogging SOA Service.

## Deploy PLSQL Services

Common Logging PLSQL scripts are available at the following location:

<https://brmkea940.bar.nucorsteel.local:18080/svn/NextGen/branches/RB-1.0.x/soa/utilities/sql/CommonLogging>

***Step1***- Follow instructions as in “Read Me.txt”

***Step2***- Please note the schema names will have to be changed in the following files -

1. xxnuc\_comm\_notifyEmailMsg.sql

2. xxnuc\_comm\_audit\_log\_pkg\_pkb.sql

## Deploy ADF Web Application

SVN Location

<https://brmkea940.bar.nucorsteel.local:18080/svn/NextGen/branches/RB-1.0.x/soa/Implementation/Infrastructure/AuditLog/deploy/AuditLog.ear>

* 1. Open Weblogic Console and login with weblogic user
  2. Click "Lock & Edit" in Change Centre
  3. Click "Deployments" in Domain Structure
  4. Click "Install" in "Control" tab in "Summary of Deployments"
  5. Click "upload your file(s)" in Note Section
  6. Click "Browse" in "Deployment Archive"
  7. Navigate & Select to "AuditLog.ear" and click Open
  8. Click "Next"
  9. Click "Next" in Install Application Assistant
  10. Click "Next", make sure "Install this deployment as an application" is selected
  11. Select "SOA\_Server" and click "Next"
  12. Click "Next"
  13. Click "Finish"
  14. Click "Activate Changes" in "Change Center"
  15. Click "Deployments" in Domain Structure and confirm Application "AuditLog" state is "Active"

# Server CONFIGURATION

***Creating User Groups***

             Click "Security Realms" in in Domain Structure

             Select Default Realm (i.e with Value of "Default Realms = true"

             Select "Users and Groups" tab

             Select "Groups" sub tab

             Click "New"

             Enter Following values

                                      Name: ADFCommonLoggingAdminRole

                                      Description: Common Logging Admin User Group

             Click "OK"

            Click "New"

             Enter Following values

                                              Name: ADFCommonLoggingReadOnlyRole

                                              Description: Common Logging Admin User Group

          Click "OK"

***Creating  Admin Users in Weblogic***

            Click "**Security Realms**" in in Domain Structure

            Select Default Realm (i.e with Value of "Default Realms = true"

            Select "**Users and Groups**" tab

             Select "**Users" sub tab**

            Click "**New"**

*Enter Following values*

                      Name: CommonLoggingAdmin

                      Description: Common Logging Admin User Group

                      Password: Welcome1

                      Confirm Password: Welcome1

            Click "**OK**"

            Click on "**CommonLoggingAdmin**" User

            Select Tab "**Groups**"

            select "**ADFCommonLoggingAdminRole**" in "Available" and move to "Chosen"

            Click "**Save**"

***Creating Read Only Users in Weblogic***

            Click "**Security Realms**" in in Domain Structure

            Select Default Realm (i.e with Value of "**Default Realms = true**"

            Select "**Users and Groups**" tab

            Select "**Users**" sub tab

            Click "**New**"

*Enter Following values*

                      Name: CommonLoggingGuest

                      Description: Common Logging Admin User Group

                      Password: Welcome1

                      Confirm Password: Welcome1

            Click "**OK**"

            Click on "**CommonLoggingGuest**" User

            Select Tab "**Groups**"

           select "**ADFCommonLoggingReadOnlyRole**" in "Available" and move to "Chosen"

          Click "**Save**"

# Email driver configuration

Steps for configuring Email Driver for Notification on weblogic server

1. Go to the Oracle Enterprise Manager Fusion Middleware Control Console (typically

http:// <machine name> :< port>/em)

1. On the left side pane, expand <Farm\_FSOAD\_domain> node. Expand “User Messaging Service” node.
2. Click on “Usermessagingdriver-email”. On the Right side pane, select the option Email Driver Properties:
3. The properties that need to be configured for sending emails are indicated in the red rectangle. They are:
   1. OutgoingMailServer – mailx.ds.<<Client Name>>.com*.*
   2. OutgoingMailServerPort – 25
   3. OutgoingMailServerSecurity – e.g: *None*
   4. OutgoingDefaultFromAddress (optional) – *orafsoad@wrpsoad.<<Client Name>>.com*
   5. OutgoingUsername – orafsoad
   6. OutgoingPassword – user level OS password.
4. Press Apply.
5. On the left side pane right click on soa-infra
6. Navigate to SOA Administration 🡪 Workflow Properties
7. On the right side pane select the “Email” in the Notification mode drop down list.
8. In the Notification service update the following email addresses:-
   1. From Address: [noreply@<envname>.com](mailto:noreply@%3cenvname%3e.com)
9. Press Apply.

To have these settings take effect, the Server has to be restarted