Setting up EPM System Release 11.1.2.x Resources for SSO Using Oracle Access Manager 11*g* Webgate for Oracle HTTP Server

Prerequisites

1. A fully functional Oracle Access Manager (OAM) deployment.

2. A working Webgate deployment on which the following post installation configuration steps were performed:

   - Run `deployWebGateInstance.sh` to copy OAM agent components from *WEBGATE_HOME* to Webgate instance location. Webgate instance and Oracle HTTP Server share same *INSTANCE_HOME*. Typically, `deployWebGateInstance.sh` is located in *WEBGATE_HOME*`/webgate/ohs/tools/deployWebGate` directory.

   - Run `EditHttpdConf` utility to perform these steps:

     o Copy `apache_webgate.template` from *WEBGATE_HOME* to webgateWebgate instance location to create `webgate.conf.`

     o Update `httpd.conf` with an additional line to include `webgate.conf`. This step requires `LD_LIBRARY_PATH` environment variable to be set.

Registering a New Webgate and Defining Protected and Unprotected EPM System URLs

The following two methods are available to register a new Webgate and setup protected and unprotected EPM System URLs.

- [Option1: Using RREG Tool to Register Webgate](#)
- [Option2: Using OAM Administration Console to Register Webgate](#)

Option1: Using RREG Tool to Register Webgate

Generally, RREG Tool is located in *IDM_ORACLE_HOME*`/oam/server/rreg/client` directory.

Registering Webgate

You can use Inband or outofband mode to register Webgate. Irrespective of the mode you use, `OAM11gRequest.xml` that contains all of the required Webgate and OAM Server parameters should be passed as an argument to the RREG Tool.

A sample OAM11gRequest.xml file:

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Copyright (c) 2009, 2011, Oracle and/or its affiliates. All rights
reserved.
DESCRIPTION: Modify with specific values and pass file as input to the
tool.      -->

<OAM11GRegRequest>
<serverAddress>http://myServer.us.oracle.com:22180</serverAddress>
        <hostIdentifier>myServer</hostIdentifier>
        <agentName>myServer_11gWebgate</agentName>
        <protectedResourcesList>
                <resource>/</resource>
                <resource>/.../*</resource>
        </protectedResourcesList>
        <publicResourcesList>
                <resource>/public/index.html</resource>
        </publicResourcesList>
        <excludedResourcesList></excludedResourcesList>
</OAM11GRegRequest>
```

RREG Tool creates the following components based on the values set in `OAM11gRequest.xml`.

- OAM 11g Webgate

- Host Identifier for Oracle HTTP Server

Running RREG TOOL in inband mode generates required files and artifacts for Webgate in `RREG_HOME`/output/`AGENT_ID`. Copy the following generated artifacts from `RREG_HOME`/output/`AGENT_ID` to Webgate instance location:

Open Mode

- cwallet.sso

- ObAccessClient.xml

Simple Mode

- password.xml

- aaa_key.pem

- aaa_cert.pem

Creating an Application Policy Domain for EPM System

You use the `policyCreate` option of RREG Tool to create OAM application policy domain with protected and public resources. This command requires the location of an application domain request definition file (`ApplicationPolicyDomain.xml`) and configuration file (`epm.conf`) that defines protected and unprotected EPM System resources. Sample syntax to use the policyCreate option:

`oamreg.sh policyCreate input/ApplicationPolicyDomain.xml input/epm.conf`

Contents of a Sample Application Domain Request File (ApplicationPolicyDomain.xml)

```
<?xml version="1.0" encoding="UTF-8"?>
<PolicyRegRequest>
    <serverAddress>http://myServer.us.oracle.com:22180</serverA
ddress>
    <hostIdentifier>myServer</hostIdentifier>
    <applicationDomainName>epm</applicationDomainName>
        <protectedAuthnScheme>LDAPScheme</protectedAuthnScheme>
        <publicAuthnScheme>AnonymousScheme</publicAuthnScheme>
    <protectedResourcesList/>
        <publicResourcesList/>
</PolicyRegRequest>
```

Sample Configuration File Containing Protected and Unprotected EPM System Resources (epm.conf)

```
# Product Name: EPM
###########################
protected_uris
###########################

    /interop
    /raframework
    /biplus_webservices
    /workspace
    /hr
    /WebAnalysis
    /awb
    /HyperionPlanning
    /HPSWebReports
    /HPSAlerter
    /HSFWebServices
    /interlace
    /hfmadf
    /hfmofficeprovider
    /hfmsmartviewprovider
    /drm-web-client
    /hbrlauncher
    /HyperionFDM
    /calcmgr
    /aps
```

```
    /profitability
    /arm
    /fcc
    /mappingtool
    /aif

##########################
public_uris
##########################

    /interop/framework.*
    /interop/Audit.*
    /interop/taskflow*
    /interop/WorkflowEngine*
    /interop/TaskReceiver*
    /framework/lcm/HSSMigration*
    /awb/ces.executeAction.do
    /awb/lcm.executeAction.do
    /awb/appmanager.deployStatusUpdate.do
    /awb/jobstask.updateJobStatus.do
    /hyperion-bpma-server*
    /workspace/browse/listXML*
    /HyperionPlanning/Smartview
    /raframework/browse/listXML*
    /raframework/wsrp4j.*
    /raframework/ResourceProxy.*
    /WebAnalysis/wsrp4j.*
    /WebAnalysis/ResourceProxy.*
    /hr/common/HRLogon.jsp
    /hr/wsrp4j.*
    /hr/ResourceProxy.*
    /hr/services/*
    /hr/modules/com/hyperion/reporting/web/reportViewer/HRStati
    cReport.jsp
    /drm-migration-client*
    /calcmgr/common.performAction.do
    /eas*
    /easconsole*
    /easdocs*
    /hfm/EIE/EIEListener.asp
    /hfmapplicationservice*
    /oracle-epm-fm-webservices*
    /hfmlcmservice*
    /HyperionPlanning/servlet/HspLCMServlet
    /HyperionPlanning/servlet/HspAppManagerServlet
    /HPSWebReports/wsrp4j*
    /HPSWebReports/ResourceProxy.*
    /HPSWebReports/action/lcmCallBack*
    /DataSync/services*
    /HSFWebServices/HSFWebService.asmx
    /HSFWebServices/HSFEntityWebService.asmx
    /interlace/services*
```

```
/interlace/anteros*
/interlace/interlace*
/interlace/WebHelp*
/interlace/html*
/interlace/email-book*
/profitability/cesagent*
/profitability/lcm*
/profitability/control*
/profitability/ApplicationListener*
/aif/services/FDMRuleService*
/aif/services/RuleService*
/discmanwebservices*
/mappingtool/MappingToolWS*
```

Option2: Using OAM Administration Console to Register Webgate

Webgate registration using OAM Administration Console is a process involving these steps:

1. [Creating a Host Identifier](#)

2. [Creating Webgate with Protected and Public URLs](#)

3. [Copying Artifacts into Webgate Instance](#)

Creating a Host Identifier

To create a host identifier:

1. Login to OAM Console using a URL similar to the following:
   `http(s)://OAM_ADMIN_HOST:OAM_ADMIN_PORT/oamconsole`

2. On **Policy Configuration**, select **Browse**, then **Shared Components**, and then **Host Identifiers**.

3. Click **Create**. **Create Host Identifier** is displayed.
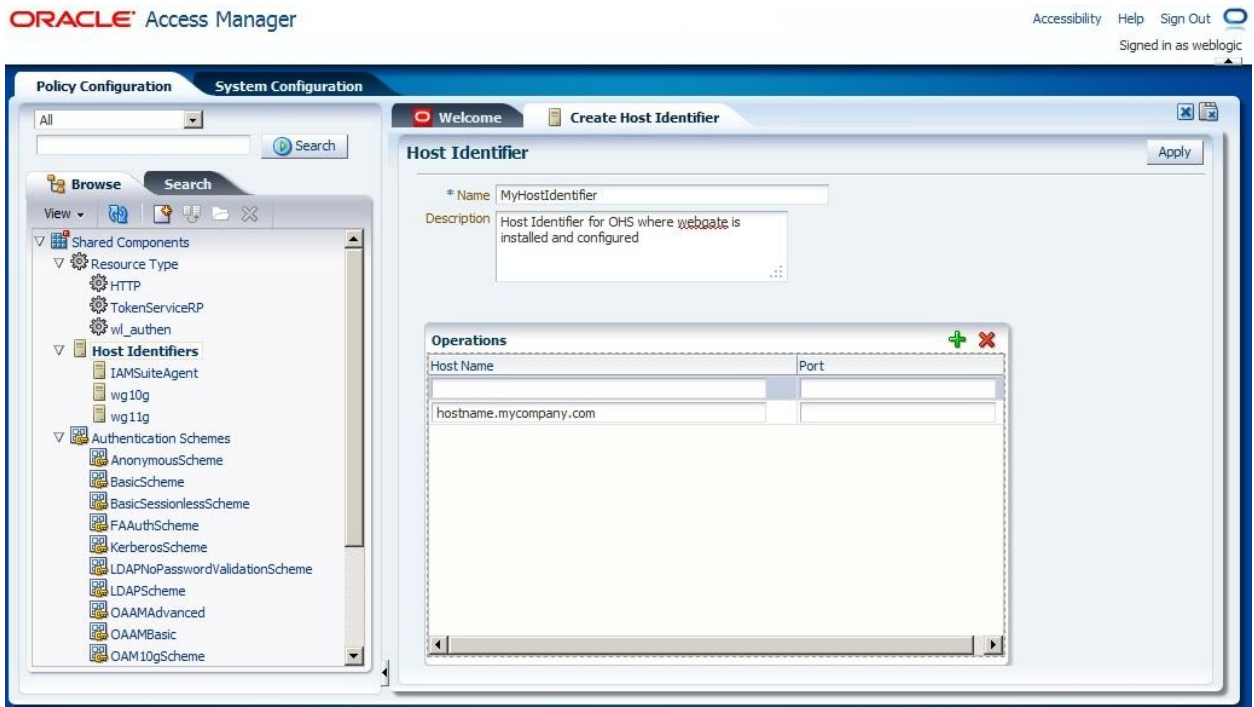
4. Enter **Name**, **Hostname**, and Port variations for the Host Identifier

5. Click **Apply Changes**.

Creating Webgate with Protected and Public URLs

To create Webgate with Protected and Unprotected URLs:

1. Login to OAM Console using a URL similar to the following:
   ```
   http(s)://OAM_ADMIN_HOST:OAM_ADMIN_PORT/oamconsole
   ```

2. On **System Configuration**, select **Access Manager Setting**, and then **OAM Agents**.

3. Click **Create 11g Webgate**. **Create OAM 11g Webgate** is displayed.
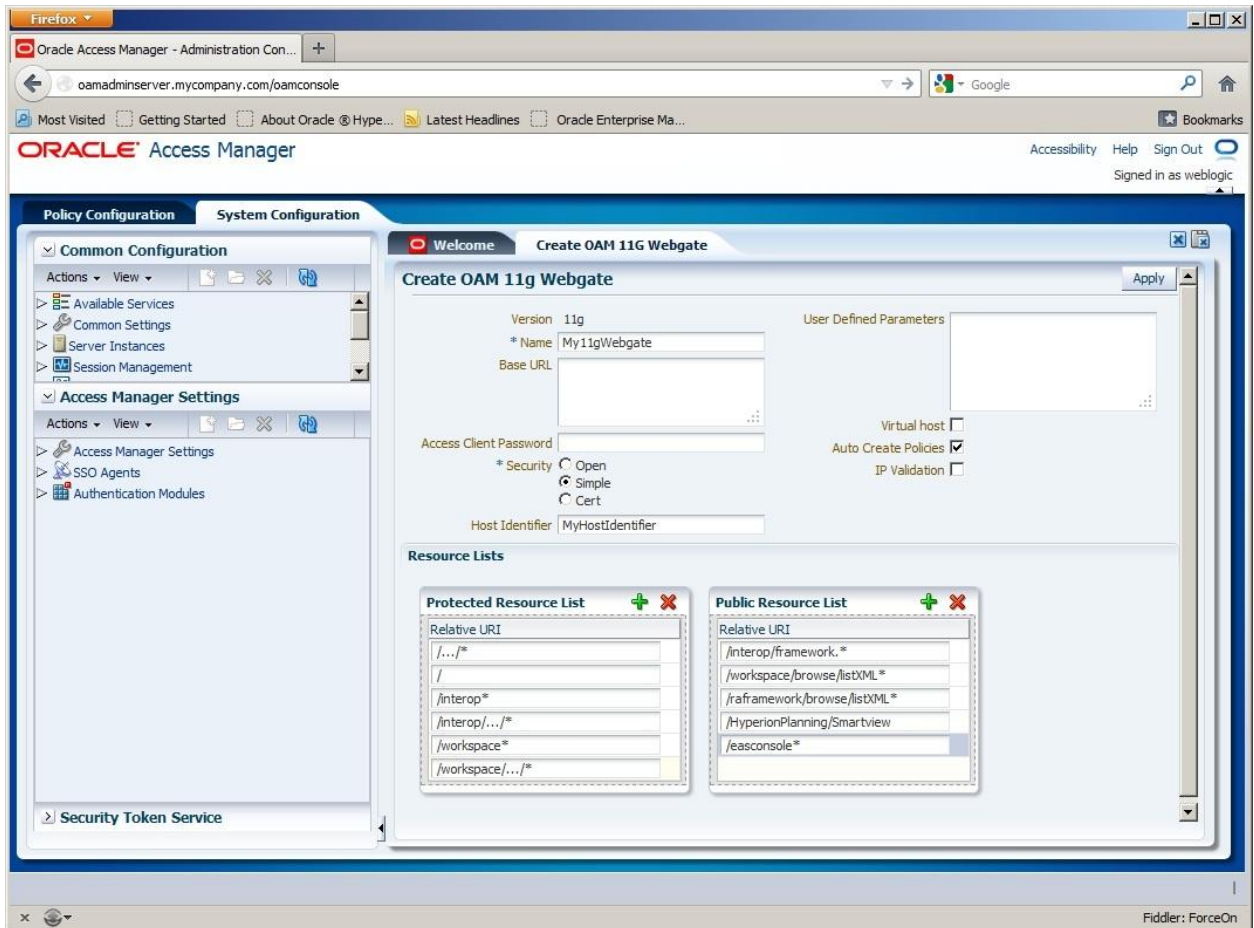
4. Enter **Name** and **Base URL.**

5. Select the appropriate Security mode. **Open** is the default security mode.

6. Enter **Host Identifier.**

7. Add Protected URLs in **Protected Resource List** and unprotected URLs in **Public Resource List**.
   See Sample Configuration File Containing Protected and Unprotected EPM System Resources for
   a list or private and public URLs.

8. Click **Apply Changes**.

Copying Artifacts into Webgate Instance

The preceding procedures create OAM 11g Webgate and Application Policy Domain with Protected and Public resources. Depending on the security mode you selected while creating Webgate with protected and unprotected URLs, the following required artifacts are created in `IDM_MIDDLEWARE_HOME/output/AGENT_ID.` You must copy the artifacts into the Webgate instance location.

Open Mode

- cwallet.sso

- ObAccessClient.xml

Simple Mode

- password.xml

- aaa_key.pem

- aaa_cert.pem