Oracle Fusion Distributed Order Orchestration Application –
Configuring User Roles Privileges for DOO Capture Service

An Oracle Technical White Paper
<Nov 2011>
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Introduction
This document explains the following Fusion Applications Setup & Maintenance tasks:

✓ Create Implementation User
✓ Provision Roles to Implementation Users
✓ Manage Job Roles
✓ Define Security for Supply Chain Management
✓ Define Data Security for Supply Chain Management
✓ Manage Data Security Policies

Oracle Fusion Applications secures all its internal function including web services. They are all secured though authentication (username & password) and authorization (rights to access/execute a function). The security products from Oracle SOA Suite are used to secure these services ~ Oracle Webservice Policy Manager (OWSM), Oracle Identity Manager (OIM) and Oracle Authorization Policy Manager (APM) container. This document guides the user in inspecting and understanding the secure Fusion Application web services for Fusion Distributed Order Orchestration (DOO) application.

Needed from DOO server administrator
All the steps given in this document should be performed with system administrator rights (or read-write access to the environment). Before you begin, make sure you have the following information:

URLs for Oracle Fusion Applications and OIM

For example, the Oracle Fusion Applications is http://host/homePage/faces/AtkHomePageWelcome, where host is the name of the host location such as abc.oracleoutsourcing.com.

If you do not know the URLs, contact the person who installed the systems at your company. When the Oracle Fusion Applications provisioning process completes, these URLs are shown on the summary page. They are also recorded in a file whose default name is Provisioning Summary. The person installing the software, however, has the option to choose a different file name. The file is created in the same location as the provisioning plan.

The default user name of the Oracle Fusion Applications super user is FAADMIN. The default OIM system administrator user name is XELSYSADM. Contact the person who installed the systems for the actual user names and passwords specified during installation and provisioning.
Fusion Setup Manager Steps

Using Fusion Setup Manager

Open Fusion Setup Manager (or Application Tool Kit, ATK), and navigate to “Setup and Maintenance”.

![Fusion Setup Manager](image1)

**Figure 1. Fusion Application Tool Kit – Setup and Maintenance**

All of Fusion application administration, configuration, setup and maintenance tasks are accessible from Fusion Setup Manager (a.k.a FSM). This document explains only the tasks required to setup a DOO user and associated roles to perform required tasks.

**Searching a task in Fusion Setup Manager**

To search for a particular task in the Fusion Setup Manager, type the task name (or part of), in the search panel and search for the task list. The long list of matching tasks will be displayed on the main panel. To perform the required task, click on the icon on the ‘Go to Task’ column. This will take you to a new screen to perform the required task.

![Fusion Setup Manager](image2)

**Figure 2. Fusion Application Tool Kit – Searching for a task in Fusion Setup Manager**

After completing the required task, do not ‘logout’, either close the tab window [x] or press ‘done’ to return to the Fusion Setup Manager main panel.
Setup Steps

Create User & Assign Role

Open Fusion Setup Manager, and search for users. Select task for “Create Implementation User”.

![Create Implementation User (Fusion Setup Manager)](image1)

Create a new user. Provide all parameters as required and save the user.

![Create/Search for the user](image2)
Configuring User Roles Privileges for DOO capture service.

Do not use Fusion Setup Manager Task called “Task- Assign User Role”. Search for the newly created user. Assign a new role to the user. In this example, we assign role “Order Manager” to the newly created user.

Understanding Job Roles
There are several predefined Fusion roles. In this example, we will understand the role ‘Order Manager’ and inspect the privileges and entitlements for this role. These are also known as ‘Job Roles’ or “Duty Roles”.

Search for the role: Order Manager (using left side search panel or home page advanced search roles)
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Figure: 7. Searching Job Role

Figure: 8. Members associated with a job role

You can view the ‘Order Manager’ role hierarchy, attributes and assigned members as shown above. Close the window [x]. Do not use sign out or log out.

Understanding Security Policies & Entitlements
Open Fusion Setup Manager, and search for users. Select task for “Manage Data Security Policies”.
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Understanding Application Policies
Search for the application policy (also known as application duty role) as shown below for

**DOO_Order_Orchestration_Deployment_Web_Security_Duty**
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You will find that the application policy:

*DOO_Order_Orchestration_Decomposition_Web_Security_Duty*

has a privilege/entitlement:

*Manage Order Orchestration Decomposition Web Service Priv*

Understanding Roles

In the Fusion security model, entitlements are mapped to authorization policies. Authorization policies (a.k.a Application Roles or Duty Roles) are mapped directly to Job Roles.

On the “home page” or left panel browse panel, filter down to Fusion SCM (fscm) and open roles starting with DOO. The search panel allows you to directly navigate to the particular role as shown below.

Search for all duty roles starting with ‘doo’ and locate duty role for:

*DOO Order Orchestration Decomposition Web Service Duty*
To understand the duty role assigned to the job role, open external role mappings. Notice that the duty role (DOO Order Orchestration Composite Web Service Duty) in Oracle Authorization Policy Manager is mapped to DOO Order Manager Job in Oracle Identity Manager (figure above).
In Summary

So, tracking back our example:

1. *scmoperations* (member in OIM) \(\rightarrow\) has duty role (*DOO_Order_Manager_Job* in OIM).
2. *DOO_Order_Manager_Job* (in OIM) is directly mapped to Application role (in APM) *DOO_Order_Orchestration_Decomposition_Web_Security_Duty*
3. *DOO_Order_Orchestration_Decomposition_Web_Security_Duty* (in APM) has an entitlement/privilege *Manage Order Orchestration Decomposition Web Service Priv* (in APM) and finally
4. *Manage Order Orchestration Decomposition Web Service Priv* (in APM) provides execute authorization to DOO web service functions (in DOO application)

The list of all DOO application privileges and associated entitlements is documented in *Order Orchestration Security Manual*.

In short, *scmoperations* (user) can execute the function DOO webservice.
Appendix: List of all available roles & privileges

Order Orchestration Roles

Authorized roles for executing tasks
Open FSM task list, and search for the task. On the display, click on “Authorized Roles” link, this will display the list of all authorized roles that have permission/privilege to execute the task. The user you create or executing this task should have one of these roles assigned to successfully execute the task (or get unauthorized error message).

Figure: 18. Example of Authorized Roles to execute a specific task
### Appendix: References:

**Documents relating to this whitepaper:**

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**General Oracle SOA reference:**

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**Oracle Fusion Application references:**

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**Oracle Fusion AIA Foundation Pack references:**

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November 2011
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