

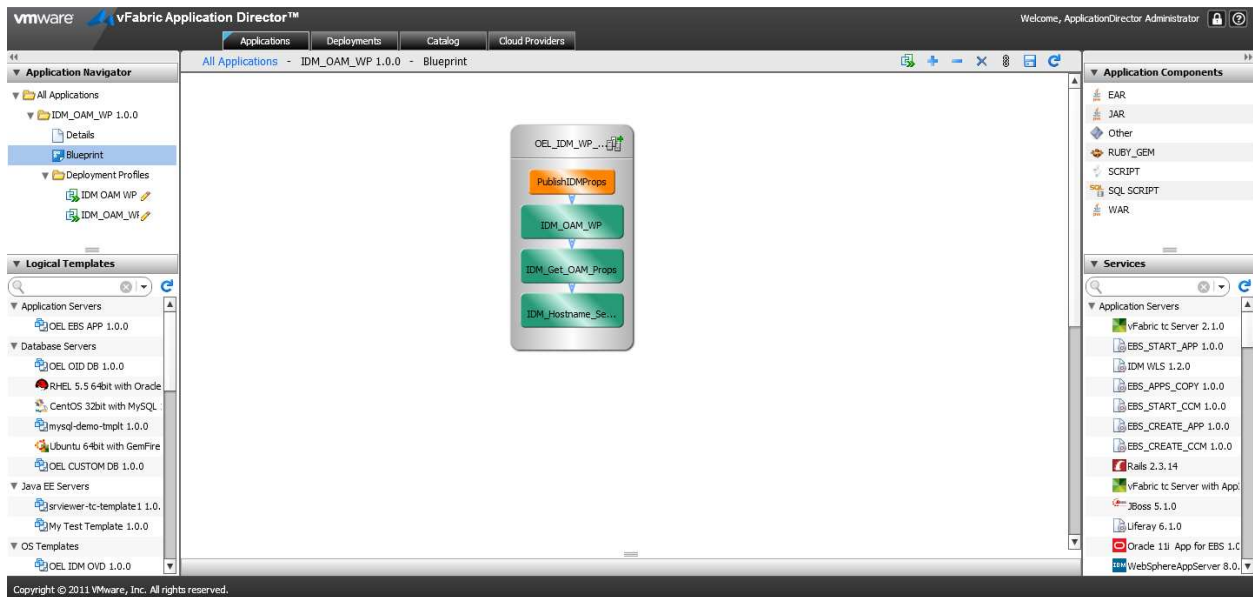
Oracle Access Management WebPass (IDM Single Node) - Blueprint Information

1. OVERVIEW

The purpose of this document is to describe the Oracle Access Management WebPass blueprint (as part of the IDM Single Node blueprint) in detail. The goal of the blueprint is to allow for provisioning and configuration of a single node Oracle Access Management WebPass (OAM WP) instance in an automated and repeatable fashion.

The following components and versions are installed as part of the OAM WP instance:

- (1) Oracle HTTP Server (OHS) 10.1.3.0.0
- (2) OAM WP Release 10.1.4.2.0.09 BP 09



2. HIGH LEVEL BLUEPRINT DESIGN

Conceptually, the blueprint design consists of the tasks described below. These tasks are listed in chronological order:

- (1) Setup Host Name
- (2) Retrieve Oracle Access Management (OAM) Properties
- (3) Install OHS 10.1.3.0.0 & OAM WP Release 10.1.4.2.0.09 BP 09
- (4) Publish Identity Management (IDM) Properties for SOA Integration

2.1 Files

You will need access to create the following file repository that contains the necessary installers and configuration files needed. We will refer to this repository as the "Mount Point Location" in this document.

\$MOUNTPOINTLOCATION/IDM:

ohs/	Installation and configuration directory of OHS 10.1.3.0.0
soa_linux_x86_101310_disk1.cpio	Installation package of OHS 10.1.3.0.0 (Note: this package needs to be extracted in the same directory)
Templates/	OHS installation and configuration templates
ohs_install.rsp	OHS silent installation response file Template
rootsh_rsp.txt	Response file when running "root.sh"
staticports.ini	OHS port configuration file
oam/	Installation and configuration directory of OAM
oam_101401/	Installation packages of OAM 10.1.4.0.1
oam_101420_patchset/	Installation upgrade patches of OAM 10.1.4.2.0
oam_101420_BP /	Installation bundle patches of OAM 10.1.4.2.0
gcc_lib/	GCC libraries required by OAM installation
Templates/	OAM WP installation and configuration templates
wp_install_options.txt	OAM WP silent installation response file Template
simpleCA.tar	OAM Certificate package
opmn_fix.xml	OHS environment fix XML
workflows/	Customized OAM workflow configuration files
performer/	Perforce templates used for inter-blueprint communications
Templates/	
idm.properties	IDM properties file for SOA integration

You will also need below files to configure the scripts and services within this blueprint. Please refer to the following sections for details and their corresponding script/service.

IDM_Hostname_Setup_INSTALL.txt
IDM_Get_OAM_Props_INSTALL.txt

IDM_OAM_WP_INSTALL.txt
IDM_OAM_WP_CONFIGURE.txt
PublishIDMPProps_INSTALL.txt

2.2 Setup Host Name

The “Setup Host Name” task sets the hostname for the machine that’s provisioned. It’s defined as a blueprint service.

Properties:

Name	Description	Type
env_util	Java utility to register ho...	Content
HOST_NAME	Generated host name	String
DOMAIN_NAME		String
IP_ADDRESS	The IP_ADDRESS param...	String
ENV_NAME	Environment name specifi...	String
HOST_NAME_PATTERN	Pattern to use for the ho...	String

Actions:

Details	Properties	Actions
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Lifecycle Stage	Script Type	Script	
INSTALL	Bash Script	#!/bin/bash	✖
CONFIGURE	Bash Script		✖
START	Bash Script		✖

Install Script:

Please refer to file **IDM_Hostname_Setup_INSTALL.txt** to copy the script as the INSTALL Bash Script.

2.3 Retrieve Oracle Access Management (OAM) Properties

The “Retrieve Oracle Access Management (OAM) Properties” task retrieves the OAM information that OAM WP needs to connect to from Perforce. It’s defined as a blueprint service.

Properties:

Edit Service IDM Get OAM Props 1.0.0

Details Properties Actions

Name	Description	Type	Value	Required	Secured	Overridable in Blueprint
IDM_OAM_WG_PASS	OAM WebGate password	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_WG_SERVERID	OAM Webgate Server ID	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_AS_SERVERID	OAM Access Server Server ID	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_PASS	OAM Passphrase	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_PORT	OAM admin host WebPass OHS port	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_SERVERNAME	OAM server name (both host name and domain name)	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_HOSTNAME	OAM server host name	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_HOSTIP	OAM server host IP address	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OVD_PASS	OVD SOA service account password	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OVD_PORT	OVD server port	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OVD_HOST	OVD host name	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ENV_NAME	Environment name specified during deployment	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
env_util	Java utility to retrieve information from Perforce	Content	http://\${darwin.server.ip}/artifacts/common/envutil.zip	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OK Cancel

Actions:

Lifecycle Stage	Script Type	Script	
INSTALL	Bash Script	#!/bin/bash	✗
CONFIGURE	Bash Script		✗
START	Bash Script		✗

Install Script:

Please refer to file **IDM_Get_OAM_Props_INSTALL.txt** to copy the script as the INSTALL Bash Script.

2.4 Install OHS 10.1.3.0.0 & OAM WP Release 10.1.4.2.0.09 BP 09

The “Install OHS 10.1.3.0.0 & OAM WP Release 10.1.4.2.0.09 BP 09” task installs an OHS instance along with an OAM WP server instance. It’s defined as a blueprint service.

Properties:

Service Definition

Name	Description	Type
SERVERNAME	OAM WP server name (bo...	String
HOSTNAME	OAM WP host name	String
OHSPORT	OHS Non SSL port	String
ENVIRONMENTNAME	Environment name specifi...	String
PASSPHRASE	OAM passphrase	String
JAVA_HOME	Java Home	String
ORACLE_HOME_BASE	OAM home base	String
NFSPATH	Network shared drive tha...	String
global_conf	Network configuration utility	Content
OAM_HOSTNAME	OAM admin server name (...)	String
OAM_ADMIN_HOST	OAM admin server host n...	String
OAM_ADMIN_IP	OAM admin server IP add...	String

Actions:

Details Properties Actions			
Lifecycle Stage	Script Type	Script	
INSTALL	Bash Script	#!/bin/bash	✖
CONFIGURE	Bash Script	#!/bin/bash	✖
START	Bash Script		✖

Install Script:

Please refer to file **IDM_OAM_WP_INSTALL.txt** to copy the script as the INSTALL Bash Script.

Please refer to file **IDM_OAM_WP_CONFIGURE.txt** to copy the script as the CONFIGURE Bash Script.

2.5 Publish IDM Properties

The “Publish IDM Properties” task publish the IDM information to Perforce for the purpose of SOA integration. It’s defined as a blueprint script.

Properties:

Name	Description	Type	Blueprint Value	Required	Secured	Overridable at Deployment
ENV_NAME	Environment name specified during deployment	String	<i>self:IDM_Hostname_Setup:ENV_NAME</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
env_util	Java utility to publish information to Perforce	Content	http://\${darwin.server.ip}/artifacts/common/envutil.zip	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_PORT	OAM WebPass OHS port	String	<i>self:IDM_OAM_WP:OHS_PORT</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OAM_HOST	OAM WebPass host name	String	<i>self:IDM_Hostname_Setup:HOST_NAME</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OVD_PASS	OVD SOA service account password	String	<i>self:IDM_Get_OAM_Props:IDM_OVD_PASS</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OVD_PORT	OVD Non SSL port	String	<i>self:IDM_Get_OAM_Props:IDM_OVD_PORT</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IDM_OVD_HOST	OVD host name	String	<i>self:IDM_Get_OAM_Props:IDM_OVD_HOST</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Actions:

Details	Properties	Actions
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Lifecycle Stage	Script Type	Script	
INSTALL	Bash Script	#!/bin/bash	✖
CONFIGURE	Bash Script		✖
START	Bash Script		✖

Install Script:

Please refer to file **PublishIDMProps_INSTALL.txt** to copy the script as the INSTALL Bash Script.