

# Create WebLogic Windows Startup Services for OAM

## Revision History

Date	Version	Description	Author
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## 1. Introduction

Oracle Access Manager (OAM) 11gR1 does not create Windows Services for OAM startup. This document describes the steps necessary to create those services in windows.

This document assumes that OAM is installed in d:\Oracle\Middleware. It also assumes that Oracle Internet Directory is installed on this server. These instructions will show the necessary steps to create services for:

- AdminServer
- Oracle Directory Server Manager
- Oracle Access Manager Server

## 2. Common Setup Task

Before creating the services the command files that are used to create the services must be modified. First edit the file:

D:\Oracle\Middleware\wlserver\_10.3\server\bin\installSvc.cmd

Modify the line:

```
"%WL_HOME%\server\bin\beasvc" -install -svcname:"beasvc %DOMAIN_NAME% %SERVER_NAME%" -javahome:"%JAVA_HOME%" -  
execdir:"%USERDOMAIN_HOME%" -maxconnectretries:"%MAX_CONNECT_RETRIES%" -host:"%HOST%" -port:"%PORT%" -  
extrapath:"%EXTRAPATH%" -password:"%WLS_PW%" -cmdline:%CMDLINE%
```

to:

```
" "%WL_HOME%\server\bin\beasvc" -install -svcname:"Oracle Weblogic %DOMAIN_NAME% %SERVER_NAME%" -  
javahome:"%JAVA_HOME%" -execdir:"%USERDOMAIN_HOME%" -maxconnectretries:"%MAX_CONNECT_RETRIES%" -host:"%HOST%" -  
port:"%PORT%" -extrapath:"%EXTRAPATH%" -password:"%WLS_PW%" -cmdline:%CMDLINE% -  
log:"D:\Oracle\Middleware\user_projects\domains\IDMDomain\%SERVER_NAME%-stdout.txt"
```

the `-log` parameter that is added at the end defines where the log file will be created. Also modify the following code:

Next edit the file:

D:\Oracle\Middleware\wlserver\_10.3\server\bin\uninstallSvc.cmd

Modify the line:

```
"%WL_HOME%\server\bin\beasvc" -remove -svcname:"beasvc %DOMAIN_NAME% %SERVER_NAME%"
```

to:

```
"%WL_HOME%\server\bin\beasvc" -remove -svcname:"Oracle WebLogic %DOMAIN_NAME% %SERVER_NAME%"
```

## 3. Configure AdminServer Service

In order for the AdminServer to be able to start using a service the boot.properties file must be created and configured. Create `boot.properties` in the directory:

D:\Oracle\Middleware\user\_projects\domains\IDMDomain\servers\AdminServer\security

Note: You may need to create the security directory.

notepad boot.properties

add the following lines:

```
username=weblogic  
password=xxxx
```

Note: That after the first startup of the service this password will be replaced with an encrypted value.

Create a cmd file that will be used to create the AdminServer Service. The file to create is:

**D:\Oracle\Middleware\wlserver\_10.3\server\bin\installSvcAdminServer.cmd**

Add the following content and save.

```
echo off  
SETLOCAL  
set DOMAIN_NAME=IDMDomain  
set USERDOMAIN_HOME=D:\Oracle\Middleware\User_projects\domains\IDMDomain  
set SERVER_NAME=AdminServer  
set PRODUCTION_MODE=true  
cd %USERDOMAIN_HOME%  
call %USERDOMAIN_HOME%\bin\setDomainEnv.cmd  
call "D:\Oracle\Middleware\wlserver_10.3\server\bin\installSvc.cmd"  
ENDLOCAL
```

For completeness we also create a delete cmd file. Create the file:

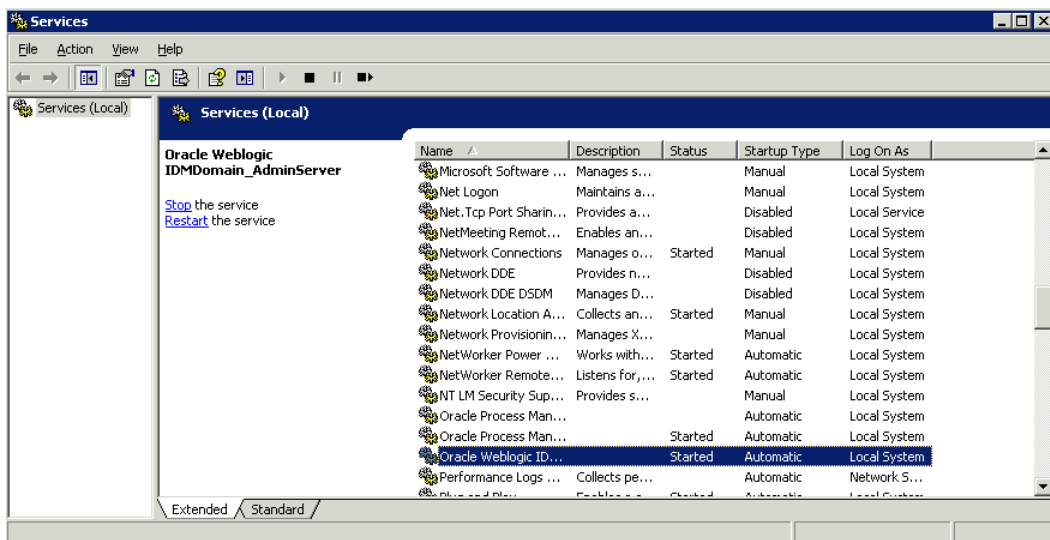
**D:\Oracle\Middleware\wlserver\_10.3\server\bin\deleteSvcAdminServer.cmd**

And add the following code:

```
echo off  
SETLOCAL  
set DOMAIN_NAME=IDMDomain  
set SERVER_NAME=AdminServer  
call "D:\Oracle\Middleware\wlserver_10.3\server\bin\uninstallSvc.cmd"  
ENDLOCAL
```

Execute the `installSvcAdminServer.cmd` and the Service "Oracle WebLogic IDMDomain\_AdminServer" should be created.

You can verify this by looking at the Services window:



To delete the service execute the deleteSvcAdminServer.cmd file.

## 4. Configure ODS Services

In order for the ODS to be able to start using a service the boot.properties file must be created and configured. Create **boot.properties** in the directory:

```
D:\Oracle\Middleware\user_projects\domains\IDMDomain\servers\wls_ods1\security
```

Note: You may need to create the security directory.

```
notepad boot.properties
```

add the following lines:

```
username=weblogic  
password=xxxx
```

Create a cmd file that will create the ODS Service. The file to create is:

```
D:\Oracle\Middleware\wlserver_10.3\server\bin\installSvcODS.cmd
```

Add the following content and save.

```
echo off  
SETLOCAL  
set DOMAIN_NAME=IDMDomain  
set USERDOMAIN_HOME=D:\Oracle\Middleware\user_projects\domains\IDMDomain  
set SERVER_NAME=wls_ods1  
set PRODUCTION_MODE=true  
set ADMIN_URL=http://{AdminServerHost}:{AdminServerPort}  
cd %USERDOMAIN_HOME%  
call %USERDOMAIN_HOME%\bin\setDomainEnv.cmd  
call "D:\Oracle\Middleware\wlserver_10.3\server\bin\installSvc.cmd"  
ENDLOCAL
```

Where **{AdminServerHost}** is the hostname of the Domain's Administration Server and **{AdminServerPort}** is the port that the Domain's Administration Server is running on.

For completeness create a delete cmd file as well. Create the file:

```
D:\Oracle\Middleware\wlserver_10.3\server\bin\deleteSvcODS.cmd
```

And add the following code:

```
echo off  
SETLOCAL  
set DOMAIN_NAME=IDMDomain  
set SERVER_NAME=wls_ods1  
call "D:\Oracle\Middleware\wlserver_10.3\server\bin\uninstallSvc.cmd"  
ENDLOCAL
```

Execute the installSvcODS.cmd and the Service "Oracle WebLogic IDMDomain\_wls\_ods1" will be created.

To delete the service execute the deleteSvcODS.cmd file.

## 5. Configure OAM Services

In order for the ODS to be able to start using a service the boot.properties file must be created and configured. Create **boot.properties** in the directory:

**D:\Oracle\Middleware\user\_projects\domains\IDMDomain\servers\wls\_ods1\security**

Note: You may need to create the security directory.

```
notepad boot.properties
```

add the following lines:

```
username=weblogic  
password=xxxx
```

Create a cmd file that will create the ODS Service. The file to create is:

**D:\Oracle\Middleware\wlserver\_10.3\server\bin\installSvcOAM.cmd**

Add the following content and save.

```
echo off  
SETLOCAL  
set DOMAIN_NAME=IDMDomain  
set USERDOMAIN_HOME=D:\Oracle\Middleware\user_projects\domains\IDMDomain  
set SERVER_NAME=oam_server1  
set PRODUCTION_MODE=true  
set ADMIN_URL=http://{AdminServerHost}:{AdminServerPort}  
cd %USERDOMAIN_HOME%  
call %USERDOMAIN_HOME%\bin\setDomainEnv.cmd  
call "D:\Oracle\Middleware\wlserver_10.3\server\bin\installSvc.cmd"  
ENDLOCAL
```

Where **{AdminServerHost}** is the hostname of the Domain's Administration Server and **{AdminServerPort}** is the port that the Domain's Administration Server is running on.

For completeness create a delete cmd file as well. Create the file:

**D:\Oracle\Middleware\wlserver\_10.3\server\bin\deleteSvcOAM.cmd**

And add the following code:

```
echo off  
SETLOCAL  
set DOMAIN_NAME=IDMDomain  
set SERVER_NAME=oam_server1  
call "D:\Oracle\Middleware\wlserver_10.3\server\bin\uninstallSvc.cmd"  
ENDLOCAL
```

Execute the installSvcOAM.cmd and the Service "Oracle WebLogic IDMDomain\_oam\_server1" will be created.

To delete the service execute the deleteSvcOAM.cmd file.