Oracle® Hospitality Cruise Materials Management System

Security Web Service and Secure Server Tool Installer Guide
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Preface

This document provides instructions on how to install Oracle Hospitality Cruise Material Management (MMS), MMS Security Web Service Installer and MMS Secure Tool Installer.

Audience

This document is intended for installers, programmers, technical support teams, product specialists, and others who are responsible for setting up MMS.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

https://support.oracle.com

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screen shots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at http://docs.oracle.com/en/industries/hospitality/

Revision History

Date	Description of Change
January 2020	• Initial publication for MMS Security Web Services and Tool Installer and Installation Guide

1 Prerequisite, Supported Systems and Compatibility

This section describes the minimum requirement for Web Services Installer.

Prerequisite

- Internet Connection
- IIS Web Server
    - Operating System: Microsoft Windows 2012 R2 / Microsoft Windows 2016 Standard / Microsoft Windows 10
    - RAM: 16GB
    - Hard Disk Size: 512GB
- Local Administrator Access
- Latest MMS Net Setup.zip
- Microsoft Windows 10 with .NET Framework 4.5 enabled
- ODAC or Oracle Client [12.2.0.1.0] compatible with 32-bit system

2 Webservices Installation

The Web Service Installer (WS) is a batch file that automatically install and configure all the required Microsoft Windows features used by the Web Services component.

Registering XceedCry

1. Download the latest MMS Net Setup.zip from the **Patches & Updates** on My Oracle Support.
2. Unzip the file into `c:\Temp` and navigate to `c:\temp\MMS Net Setup` folder.
3. Register XceedCry Dll Library to System GAC as follows,
   - Open the Command Prompt with Run as Administrator
   - Change the directory to the `C:\Temp\MMS Net Setup\Webserver\References` folder.
   - Run REGSVR32 command to register the xceedcry.dll to the library

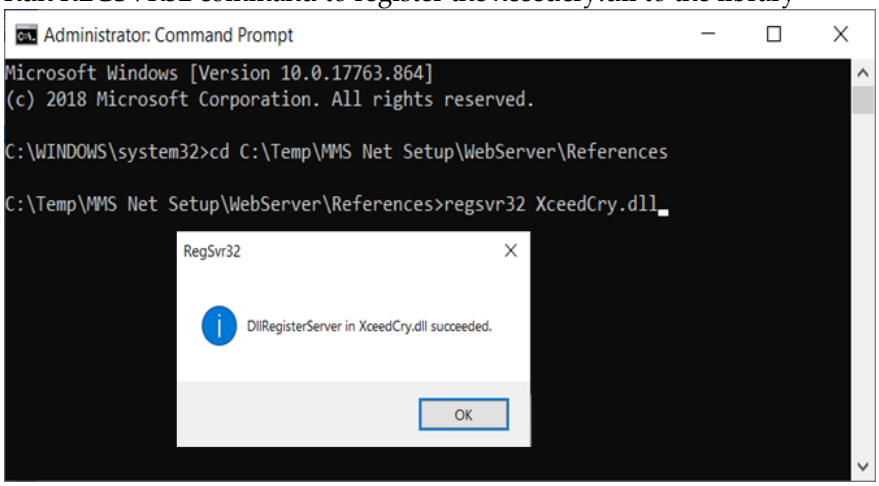

Figure 1 - DLL Registration

Web Service Installation

This section describes the steps to install the web service components. We recommend to install this component on the machine where MMS database is installed.

Installing Web Service

This section describes the steps to install the OHCMMSSecurityWebService and other required Microsoft Windows components.

1. Navigate to `c:\temp\MMS Net Setup` folder.
2. Right-click the **Install.bat** and select **Run as Administrator** to launch the Microsoft Windows command screen.
   - When you try to run the batch file without an Administrator login, the system returns a failure prompt as shown below.

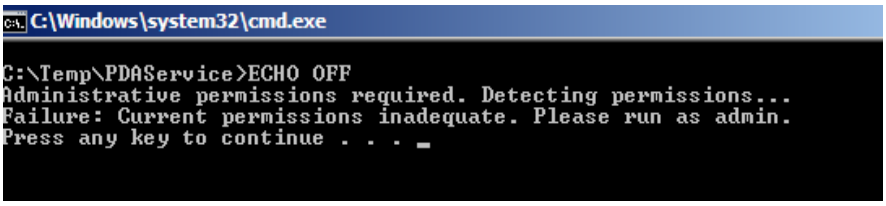

Figure 2 – Installation Failure Prompt

- The system scans for an active Internet connection and prompt a selection menu once the connection is established. Otherwise, the installation will abort.

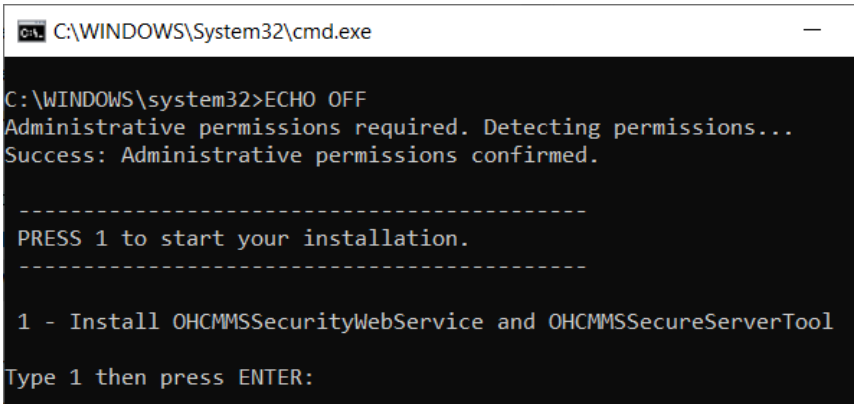

Figure 3 - Installation Selection Menu

- Enter the option number and then press **ENTER** to begin the installation.
  - 1 - To install OHCMMSSecurityWebService and OHCMMSSecureServerTool

3. A Self Signed Certificate is required even though the Webserver have a certificate installed. This is to resolve the certification warning from prompting.
   - At the Command prompt, enter '1' to list the existing certificates installed on the Web Server.
   - Once the certificate is listed and when prompted with "Please key in the subject name you want to bind", enter the **Subject name**.

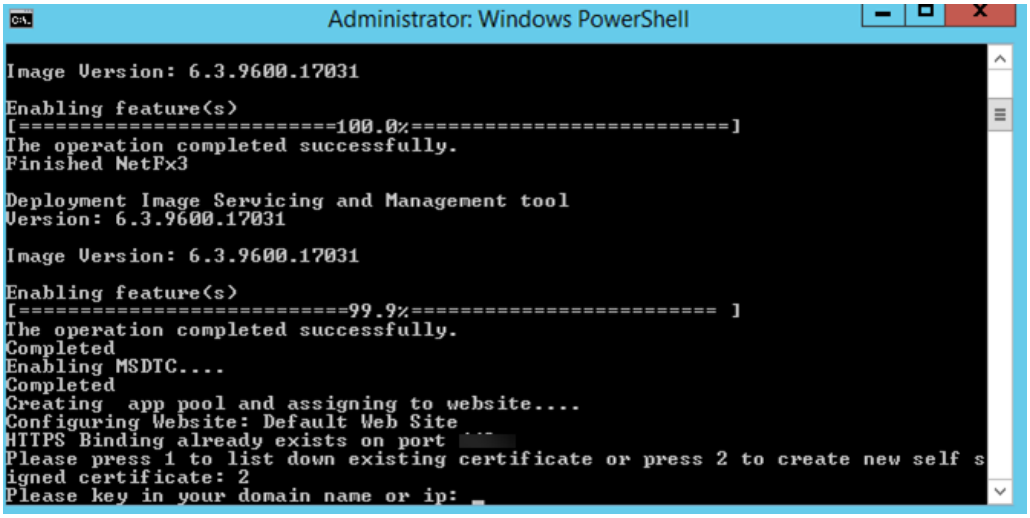

Figure 4 - A Self Signed Certificate

- Enter '2' to create a new self-signed certificate, then insert the domain name or IP at the prompt.
- If previous Webservices installation is found, you will be prompted to override the files. Continue by selecting **All**.

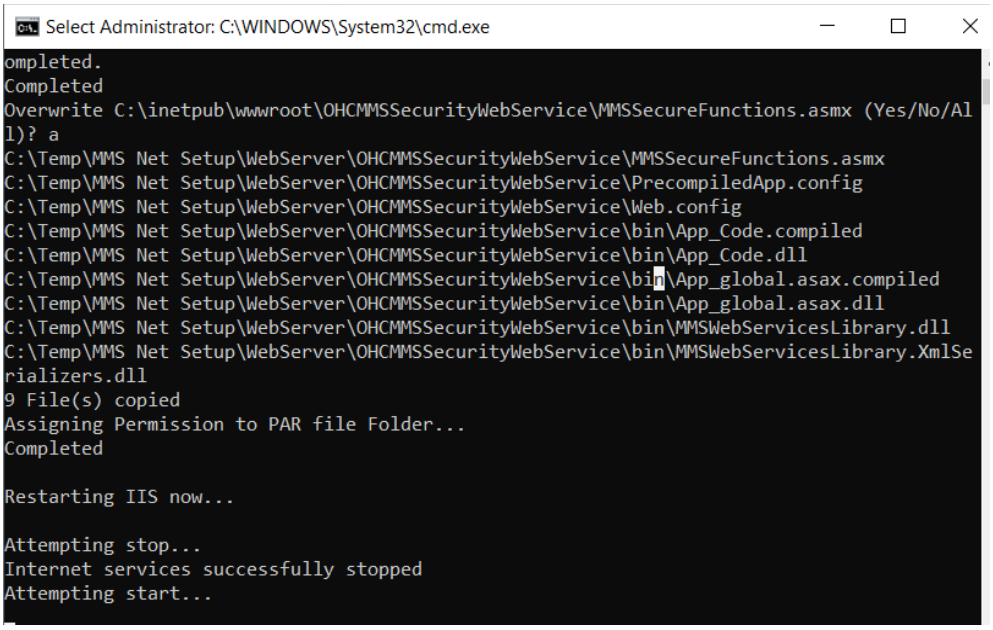

Figure 5 – Upgrading Web Service

4. When the web service installation completes, the batch setup will place the OHC MMS Secure Server Tool into specified location "`\Program Files (x86)\Oracle Hospitality Cruise\`"with upgradation to existing tool if any.
5. When the installation completes, press any key to close the command window.

Configure and Verify Web Service

This section describes the steps to add the required settings to the web.config file for OHCMMSSecurityWebService.

Configure Web.Config File

1. Browse to location `C:\inetpub\wwwroot\OHCMMSSecurityWebService` folder.
2. Open web.config file with notepad and add path of `tnsnames.ora` file as value in `<appSettings>` section and add tnsname of the database to be connected as datasource in `<connectionSettings>` section of web.config file.

```
<appSettings>
 <add key="TNSNamesPath" value="" />
</appSettings>
<connectionStrings>
   <add     name="OracleDBServer"     connectionString="Data
   Source=;User   ID={0};Connection   Lifetime=10;Connection
   Timeout=5;Min  Pool  Size=0;Max  Pool  Size=1;Pooling=false"
   providerName="System.Data.OracleClient"/>
</connectionStrings>
```

Verifying an Installation Status

Launch the Internet Explorer and enter below link to verify the installation https://localhost/OHCMMSSecurityWebService/MMSSecureFunctions.asmx

When the installation is successful, the system returns the same browser message, similar to below screen.

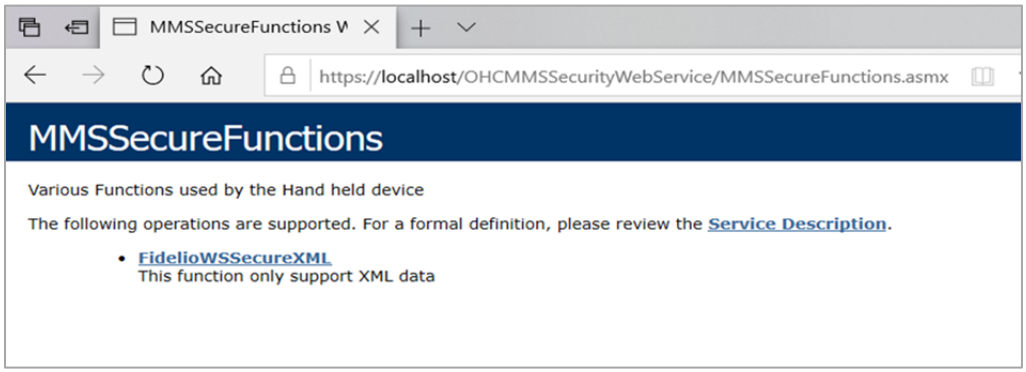

Figure 6 - Verification of Installation.

Secure Server Tool Installation

This section describes the steps to install the OHCMMSSecureServerTool and to the add required settings.

Adding Settings to Configuration File and Executing Secure Server User Interface.

1. Browse to `C:\Program Files (x86)\Oracle Hospitality Cruise\OHCMMSSecureServerTool` folder
2. Open file `OHC MMS Secure Server.exe.config` with notepad and add the file of tnsnames.ora and add tnsname of the database to be connected as value in `<appSettings>` section of the configuration file.

Figure 7 - OHCMMSSecureServerTool Configuration Setting

3. Run **OHC MMS Secure Server.exe** as "Run as Administrator" option.
4. At the OHC MMS Secure Server Tool login window, enter the **Database Password, User and User Password** in the fields provided then click the **Set** button.

Accessing MMS Launch Panel

MMS client will connect to database using those credentials and stores the Encryption Key and password in Encrypted form in Windows Registry.

1. Access MMS Launch Panel
2. Enter the login credentials and click **Login**.
3. Enter a Security Service URL when prompt and click **OK**.
4. Upon next login, the MMS client will first connect using the Windows Registry value, if successful then MMS Launch Panel will open, if failed then again Application will return a Security service to get the password.