

Introduction

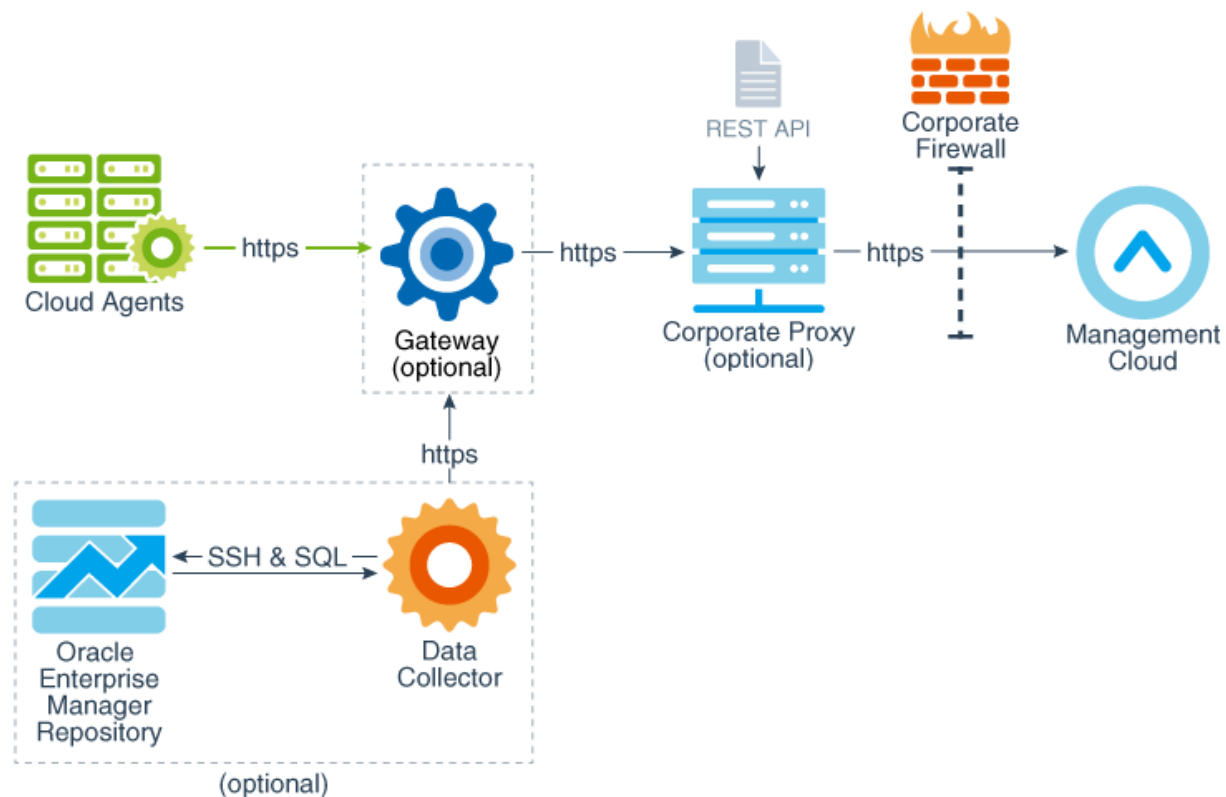
Welcome to Oracle Management Cloud for Oracle Database Trial. In this trial, you will have the opportunity to experience the intelligent IT operations management capability that Oracle Management Cloud provides. This trial is divided into a number of steps that will take you step-by-step through the deployment of Oracle Management Cloud to your environment, and targeted exercise to experience the product.

Checking Network Connectivity

While part of the trial can be done without establishing direct connection between your database environment and Oracle Management Cloud, to experience to full power of the product, you need to enable a network path so that database telemetry data can be sent securely to Oracle Management Cloud. In this step, you will check whether connectivity is already available. If not, you'll need to work with your networking team in order to configure firewall and proxy settings accordingly.

Deployment Architecture

Below is a simplified representation of the deployment architecture of Oracle Management Cloud. In order to collect Oracle Database telemetry data, such as performance metrics and log files, you need to deploy Oracle Management Cloud "Cloud Agents" into your database hosts. These cloud agents can communicate directly to Oracle Management Cloud, but we typically recommend customers to use an Oracle Management Cloud "Gateway", so that connectivity can be controlled and secured from a single



point. It is possible to set up multiple gateways for redundancy so that there is no single point of failure, but for simplicity, you just need to set up a single gateway for this trial. If your Internet connectivity is filtered through a corporate Internet proxy, you may configure the gateway to route traffic through the proxy as well. All communications to Oracle Management Cloud is done via HTTPS.

Lastly, a way to use Oracle Management Cloud is to use it as an extension of Oracle Enterprise Manager. When it is use this way, you need to deploy the Oracle Management Cloud “Data Collector” against Oracle Enterprise Manager Repository (also known as Oracle Management Repository, or OMR), so that target definitions and database performance metrics can be synchronized with Oracle Management Cloud.

For a more complete description of Oracle Management Cloud architecture, refer to Oracle Management Cloud Installing and Managing Oracle Management Cloud Agents guide, chapter 1.

<https://docs.oracle.com/en/cloud/paas/management-cloud/emaig/oracle-management-cloud-agent-deployment.html#GUID-5EC2A413-E393-42A9-9A86-7F2E9B2BDFD9>

Network Connectivity Check

To check network connectivity, you need to find out the URL of your Oracle Management Cloud tenant end point (a.k.a. UPLOAD_ROOT), which typically carries the format:


`https://<TENANT_ID>.itom.management.us2.oraclecloud.com`

For example,

https://omc_inst1-acmecorp.itom.management.us2.oraclecloud.com where TENANT_ID is “omc_inst1-acmecorp”.

Note:

To obtain the value of the UPLOAD_ROOT parameter, log on to Oracle Management Cloud, navigate to **Administration** * > **Agents** > **Download** tab, and select an agent type from the **Agent Type** drop-down list. You should see the value of UPLOAD_ROOT at the bottom of the page as shown in the screenshot below.

* Click the navigation icon  on the top-left corner to view the Management Cloud navigation pane if it is not already there.

Oracle Management Cloud Agents

Gateways
Data Collectors
Cloud Agents
APM Agents
Registration Keys
Download

Agent Software Download

Select the agent type to download and the operating system that the agent will be installed on.

Registration Keys are required to install agent.

* Agent Type

Cloud Agent

Operating System

All

Download	Version	Size	SHA1 Checksum
Cloud Agent - Windows (64-bit)	1.23.1	532.49 MB	26a608950953415cd9b3b14c9a15ceaeffc49aab
Cloud Agent - AIX Power Systems (64-bit)	1.23.1	528.96 MB	25a4a7e53ac818e248fec3825e9bd5a8df8d0244
Cloud Agent - Solaris SPARC (64-bit)	1.23.1	411.12 MB	4b03e99bca521f35328decb35c619a9f2127e4ef
Cloud Agent - Linux (64-bit)	1.23.1	406.64 MB	ae5500ec44d768394046ebf5db0e92a0ef429e1f

[Instructions to install the agent](#)

Specify following mandatory parameter values during agent installation.

TENANT_ID

UPLOAD_ROOT

<https://.itom.management.us2.oraclecloud.com/>

Note:

If it is necessary to access Oracle Management Cloud through a proxy server, set the HTTPS_PROXY environment variable before running the cURL command.

Example:

```
$ export HTTPS_PROXY=www-proxy.xyz.com:80
```

A potential place to find out about your proxy server setting is via the browser on your organization's PC. For example, on Google Chrome on a PC, go to Settings, open proxy settings, and click LAN Settings to look up the name and port number of the proxy host. Please check with your network administrator if you need help.

You may use the following command to check connectivity to OMC.

```
$ curl -I --tlsv1.2 <UPLOAD_ROOT>
```

<UPLOAD_ROOT>: URL for uploading logs to OMC

For example:

```
$ curl -I --tlsv1.2 omc_inst1-acmecorp.itom.management.us2.oraclecloud.com
```

If the command is successful, you will see an output similar to the one below.

```
HTTP/1.0 200 Connection established

HTTP/1.1 200 OK
Date: Sat, 19 Aug 2017 00:56:42 GMT
Server: Oracle-Application-Server-11g
X-Frame-Options: SAMEORIGIN
Last-Modified: Wed, 09 Dec 2015 23:27:01 GMT
ETag: "2b14-5267f6d5bfb40"
Accept-Ranges: bytes
Content-Length: 11028
Vary: Accept-Encoding
Cache-Control: no-cache,no-store
Content-Type: text/html
Content-Language: en
```

If connection is successful, you are ready for Oracle Management Cloud Gateway deployment, else you need to contact your network team to adjust firewall, router and proxy settings accordingly.

Trial Steps

Here is an overview of the trial.

1. On-demand upload and analysis of sample log files.
2. On-demand upload and analysis of your own O/S syslog and database alert log files.

Additional exercises to be published soon.

3. Deploy Oracle Management Cloud Gateway.
4. Deploy Oracle Management Cloud Collector for Enterprise Manager.
5. Deploy Oracle Management Cloud Agent.
6. Enable Log Analytics.
7. Basic Log Analytics use.
8. Enable IT Analytics.
9. Basic IT Analytics use.
10. Enable Infrastructure Monitoring.
11. Basic Infrastructure Monitoring use.

In the first two steps, which you can perform without deploying OMC gateway and agent, provided sample log files and your own log files will be uploaded to Oracle Management Cloud directly using a provided script.

In the next three steps, Oracle Management Cloud gateway, collector and cloud agents will be deployed in order to provide the basic infrastructure for gathering data.

In the next six steps, functional modules of Oracle Management Cloud, including log analytics, IT analytics and infrastructure monitoring, are enabled for trials accordingly.