Oracle® Cloud

Using Oracle API Manager Cloud Service

Release 16.x

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This guide describes how Oracle API Manager Cloud Service facilitates the creation of APIs that expose the functionality of backend systems or other services. These APIs are published for use by application developers and are managed and monitored at runtime.

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Oracle Cloud Using Oracle API Manager Cloud Service, Release 16.x

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Preface

Using Oracle API Manager Cloud Service describes how to use Oracle API Manager Cloud Service to manage your APIs in the cloud.

Topics:

- Audience
- Related Resources
- Conventions

Audience

Using Oracle API Manager Cloud Service is intended for users who want to use Oracle API Manager to manage APIs in the cloud.

Related Resources

For more information, see these Oracle resources:

- Oracle Public Cloud

  `http://cloud.oracle.com`
- Getting Started with Oracle Cloud
- Using Oracle SOA Cloud Service

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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Getting Started with Oracle API Manager Cloud Service

Review the following topics for a high-level overview of Oracle API Manager Cloud Service concepts and provisioning requirements.

Topics

- About Oracle API Manager Cloud Service
- Differences Between the Cloud and On-Premises Environments
- Provisioning Oracle API Manager Cloud Service

About Oracle API Manager Cloud Service

Applications increasingly use application programming interfaces (APIs). These APIs can be developed by internal or external entities to access enterprise systems of record. The number of APIs available increases daily. Their usage is multiplied by a growing population of mobile devices and computing platforms (web, tablets, smartphones, TVs, cars, and other household devices — the Internet of Things). As the number of APIs an organization produces and uses increases, the management and visibility of these APIs becomes increasingly important. Oracle API Manager Cloud Service facilitates the creation of APIs that expose functionality of backend systems or other services. These APIs are published for use by application developers and are managed and monitored at runtime.

To learn more about Oracle API Manager, see Using Oracle API Manager.

Differences Between the Cloud and On-Premises Environments

Some features of Oracle API Manager behave differently in the cloud than in an on-premises environment.

Oracle API Manager Cloud Service	Oracle API Manager On Premises
You run the Oracle SOA Cloud Service provisioning wizard and select Oracle API Manager, which automatically installs all software (including Oracle Service Bus), configures the necessary schemas in the Oracle database, and configures the Oracle WebLogic Server domain. See Provisioning Oracle API Manager Cloud Service for information about the Oracle SOA Cloud Service provisioning wizard, including prerequisites for running the wizard.	You must manually install Oracle API Manager, Oracle Service Bus, and an Oracle database on your own hardware and configure the necessary database schemas and Oracle WebLogic Server domain.

For a complete list of differences between Oracle SOA in the cloud and on-premises environments, see Differences Between the Cloud and On-Premises Environments of *Using Oracle SOA Cloud Service*.

Provisioning Oracle API Manager Cloud Service

You can subscribe to Oracle API Manager Cloud Service when you run the Oracle SOA Cloud Service provisioning wizard.

The Domain Type page of this provisioning wizard provides an option for selecting Oracle API Manager Cloud Service.

Preprovisioning and Provisioning Tasks

Task	Procedure
Before you begin running the Oracle SOA Cloud Service provisioning wizard, you must satisfy the following prerequisites: • Subscribe to Oracle Database Cloud Service • Subscribe to Oracle Storage Cloud Service • Obtain a secure shell (SSH) public/private key pair When you run the Oracle SOA Cloud Service provisioning wizard, you are prompted to enter details about these services and components.	Before You Begin with Oracle SOA Cloud Service of *Using Oracle SOA Cloud Service*. and Prerequisites to Provisioning Oracle SOA Cloud Service of *Using Oracle SOA Cloud Service*.
Understand how the Oracle SOA Cloud Service provisioning wizard works.	Subscribing to Oracle SOA Cloud Service of *Using Oracle SOA Cloud Service*.
Understand how you access the Oracle SOA Cloud Service Console to run the provisioning wizard.	Accessing Oracle SOA Cloud Service Console of *Using Oracle SOA Cloud Service*.
Run the provisioning wizard and select Oracle API Manager.	Using the Provisioning Wizard of *Using Oracle SOA Cloud Service*.

User and Administrator Tasks

Task	Procedure
Create the users and groups.	Managing Users in Oracle API Manager of *Using Oracle API Manager*.
Build the Oracle Service Bus proxy service for the API (you must have the Developer role).	Creating Proxy Services to Be Published as APIs of *Using Oracle API Manager*.
Curate WSDL-based SOAP and REST proxy services as APIs using the Oracle Service Bus Console (you must have the API Curator role).	Curating APIs Using Oracle Service Bus of *Using Oracle API Manager*.

Task	Procedure
Discover and subscribe to APIs. After APIs have been published to the Oracle API Manager Portal, you use the portal to find and subscribe to APIs for use in their applications (you must have the API Consumer role).	Using the Oracle API Manager Portal of *Using Oracle API Manager*.
Administer Oracle API Manager.	Administering Oracle API Manager of *Using Oracle API Manager*.

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Postprovisioning Configuration Tasks

You must perform the following configuration task after provisioning Oracle API Manager Cloud Service.

Topic

- Accessing the Oracle API Manager Developer Portal

Accessing the Oracle API Manager Developer Portal

To access the Oracle API Manager Developer Portal, you need the IP address of the load balancer being used.

To obtain the load balancer IP address:

1. Log in to the Oracle SOA Cloud Service Console.
2. Click the provisioned API Manager Cloud Service instance.
3. From the menu at the right, select **Open Load Balancer Console** or any of the other console options.

4. Copy the IP address from the Load Balancer Console URL or any of the other console options.
5. Include this IP address in the URL of the Oracle API Manager Developer Portal:

   `https://Load_Balancer_IP_Address:7002/apimanager`