Oracle® Analytics Deploying Oracle Analytics Server on Oracle Cloud





Oracle Analytics Deploying Oracle Analytics Server on Oracle Cloud, 5.9.0

F45232-03

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Preface

This document describes how to deploy and administer Oracle Analytics Server on Oracle Cloud using Oracle Cloud Marketplace.

Audience

This guide is intended for system administrators or application developers who are installing and configuring Oracle Analytics Server. It is assumed that readers are familiar with Oracle Cloud, Terraform, web technologies, and have a general understanding of Linux or UNIX platform.

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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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Even if your skins and styles are different than those shown in the videos and images, the product behavior and techniques shown and demonstrated are the same.



1

About Oracle Analytics Server on Oracle Cloud

This guide explains how to deploy Oracle Analytics Server on Oracle Cloud Infrastructure using Oracle Cloud Marketplace.

- What Is Oracle Analytics Server on Oracle Cloud?
- About Oracle Cloud Marketplace
- Architecture on Oracle Cloud
- Typical Workflow for Administrators
- Where to Go for More Information

What Is Oracle Analytics Server on Oracle Cloud?

Oracle offers you the option to deploy Oracle Analytics Server on Oracle Cloud Infrastructure using Oracle Cloud Marketplace.

When deployed on Oracle Cloud, Oracle Analytics Server provides the same functionality, scalability, security, and support as the on-premise version. All sources and targets supported in the on-premise version are supported on Oracle Cloud. See Certification Information

About Oracle Cloud Marketplace

Oracle Cloud Marketplace offers a rich library of click-to-deploy Terraform stacks that provide a quick way to deploy applications and services on Oracle Cloud Infrastructure.

You can use Oracle Cloud Marketplace to quickly deploy Oracle Analytics Server on Oracle Cloud Infrastructure so your organization can benefit from a deployment on this scalable, secure, highly available, and high performance environment.

The installation for Oracle Analytics Server offered through Oracle Cloud Marketplace creates a simple topology, which represents a sample starting topology for this product.

Oracle Cloud Marketplace offers two applications for Oracle Analytics Server.

- Oracle Analytics Server BYOL (Bring Your Own License)
- Oracle Analytics Server UCM (Universal Credits)

See Consumption Modes in https://www.oracle.com/cloud/marketplace/.

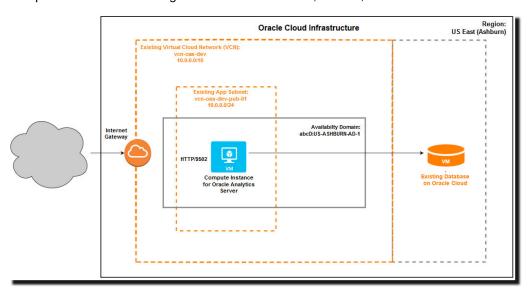
Architecture on Oracle Cloud

Learn about the components and terminology related to Oracle Analytics Server deployments on Oracle Cloud Infrastructure.

Simple Oracle Analytics Server Topology

This topology represents a simple Oracle Analytics Server deployment on Oracle Cloud Infrastructure using Oracle Cloud Marketplace.

Oracle Cloud Marketplace enables you to install a compute instance with a custom Oracle Analytics Server image in a topology similar to the one shown here. The topology diagram indicates several prerequisite Oracle Cloud Infrastructure components shown in orange: virtual cloud network, subnet, cloud database.



Key Components and Terminology

- Compute instance: A compute host running in the cloud that allows you to utilize
 hosted physical hardware, ensuring a high level of security and performance. The
 compute shape is the resources you allocate to a compute instance.
- Virtual cloud network and subnets: A virtual cloud network (VCN) in Oracle Cloud Infrastructure covers a single, contiguous Classless Inter-Domain Routing (CIDR) block of your choice. A subnet is a subdivision of a VCN that consists of a contiguous range of IP addresses that don't overlap with other subnets in the VCN. A VCN includes one or more subnets, route tables, security lists, gateways, and Dynamic Host Configuration Protocol (DHCP) options. If you're new to Oracle Cloud, see Networking in Oracle Cloud Infrastructure documentation. You must set up a VCN and subnet for your Oracle Analytics Server compute instance. The Oracle Analytics Server deployment script assigns the compute instance to a VCN and subnet of your choice.

Subnets can be public or private. Any compute instances you assign to a private subnet can't be directly accessed from outside Oracle Cloud. To administer compute instances on a private subnet, you must create a separate public subnet and bastion compute instance.



- Load balancer: (Optional) Provides an extra layer of security, allowing the Oracle Analytics Server compute node to be isolated on a private subnet.
- NAT gateways, subnets, and partitions: (Optional) If you set up a NAT gateway, when
 using public and private subnets, the NAT gateway needs to be added to ingress rules in
 your load balancer security rules for partitions to work.
- Bastion compute instance: (Optional) Provides administrative access to an Oracle Analytics Server domain on a private subnet.
- Oracle Cloud Database: Oracle Analytics Server needs access to pluggable database (PDB) on an Oracle Cloud virtual machine DB system in which it can create and store various product schemas. The Oracle database version must be 12.1, 12.2, 18+, or 19+.
- Marketplace: Oracle Cloud Marketplace is an online store available from the Oracle
 Cloud Infrastructure console. You can use Oracle Cloud Marketplace to install a compute
 instance running Oracle Analytics Server software. When you select Oracle Analytics
 Server in Marketplace, it prompts you for some basic information, and directs you to
 Resource Manager to create Oracle Analytics Server resources on Oracle Cloud
 Infrastructure. See Overview of Marketplace in Oracle Cloud Infrastructure
 documentation.
- Resource Manager: You use Resource Manager to deploy Oracle Analytics Server resources on Oracle Cloud Infrastructure. See Overview of Resource Manager in Oracle Cloud Infrastructure documentation.
- **Stack:** A stack is a collection of related cloud resources created and deployed by Resource Manager.

Typical Workflow for Administrators

Use this workflow as a high-level guide to administrator tasks.

Task	Description	More Information
Complete prerequisites prior to deployment	Understand and perform the required prerequisites tasks before you deploy Oracle Analytics Server on Oracle Cloud.	Before you Begin
Deploy Oracle Analytics Server and its required stack	Use Oracle Cloud Marketplace to deploy Oracle Analytics Server on Oracle Cloud Infrastructure.	Deploy Oracle Analytics Server Using Oracle Cloud Marketplace
	Enter the required metadata, and select the options that you prefer in the setup wizards.	
Perform post-deployment tasks	Complete the required post- deployment tasks, including security, access, and resource cleanup.	Complete Post Deployment Tasks
Set up users	Set up users and groups and assign them appropriate privileges.	Set Up Users to Deploy Oracle Analytics Server on Oracle Cloud
Monitor usage and costs	Monitor the costs of Oracle Analytics Server.	View Usage Costs for Oracle Analytics Server on Oracle Cloud
Scale an instance	Scale out or in by adjusting the number of compute instances.	Scale Oracle Analytics Server on Oracle Cloud



Where to Go for More Information

Find information on Oracle Analytics Server, Oracle Cloud, and Oracle Cloud Marketplace.

- Oracle Analytics Server Documentation
- Oracle Cloud Documentation
- Oracle Cloud Infrastructure Documentation
- Oracle Cloud Marketplace Documentation



2

Deploy Oracle Analytics Server on Oracle Cloud

Let's explore how to deploy Oracle Analytics Server on Oracle Cloud Infrastructure.

- Before you Begin
- Deploy Oracle Analytics Server Using Oracle Cloud Marketplace
- Complete Post Deployment Tasks

Before you Begin

Before you deploy Oracle Analytics Server on Oracle Cloud, you must complete various prerequisite tasks and Oracle recommends that you gather a list of the metadata that you'll need for the quick-deployment process. Oracle provides a checklist to help you plan your deployment.

- Subscribe to Oracle Analytics Server on Oracle Cloud
- Set Up Policies in Oracle Cloud Infrastructure
- Set Up Users to Deploy Oracle Analytics Server on Oracle Cloud
- Create Compartments
- Set Up Network Resources
- Set Up an Oracle Cloud Database
- Plan Compute Shape and Boot Volume Size
- Generate SSH Keys
- Complete Predeployment Checklist

Subscribe to Oracle Analytics Server on Oracle Cloud

You must have an active Oracle Cloud account (Pay As You Go or Annual Universal Credits) to deploy *Oracle Analytics Server - UCM* (Universal Credits) on Oracle Cloud Infrastructure and you're charged the UCM (Universal Credits) rate.

If you have an Oracle Middleware on-premise license for Oracle Analytics Server, you can use this license to deploy *Oracle Analytics Server - BYOL* (Bring Your Own License). You must also have an active Oracle Cloud account.

Set Up Policies in Oracle Cloud Infrastructure

In Oracle Cloud Infrastructure, you use policies to control access to resources in your tenancy.

Before deploying Oracle Analytics Server on a compartment in Oracle Cloud Infrastructure, your tenant administrator must set up policies that enable you (and other users) to access or create the following resources in specific compartments.

- Marketplace applications
- Compute instances
- Network VPNs and subnets
- Database for storing Oracle Analytics Server schemas
- Resource manager stacks and jobs
- 1. In Oracle Cloud Infrastructure Console, click in the top left corner.
- 2. Click Identity & Security. Under Identity, select Policies
- 3. Select the root compartment, and then click Create Policy.

Set up policies that are appropriate for your organization. Here is a sample policy template, with each row being a policy statement.

```
allow group mygroup_name to read compartments in tenancy allow group mygroup_name to manage instance-family in compartment mycompartment_name allow group mygroup_name to use virtual-network-family in compartment mycompartment_name allow group mygroup_name to manage orm-family in compartment mycompartment name
```

Set Up Users to Deploy Oracle Analytics Server on Oracle Cloud

When you activate your order for Oracle Cloud services, you get the Cloud Account Administrator role. This role gives you full administration privileges in Oracle Cloud Infrastructure so you can complete all aspects of Oracle Analytics Server setup and much more. There's no need to delegate this responsibility but, if you want to, you can give someone else privileges to deploy or manage Oracle Analytics Server compute instances.

In Oracle Cloud Infrastructure you use IAM security policies to grant permissions. First, you must add the user to a group, and then you create a security policy that grants the group permissions to deploy or manage Oracle Analytics Server on a specific compartment or the tenancy (any compartment in the tenancy). For example, you might create a policy statement that looks like one of these:

```
allow group MyOASAdminGroup to manage all-resources in tenancy allow group MyOASAdminGroup to manage all-resources in compartment MyOracleAnalyticsServer
```

To find out how to create security policy statements, see Set Up Policies in Oracle Cloud Infrastructure.



Create Compartments

When you sign up for Oracle Cloud Infrastructure, Oracle creates your tenancy with a root compartment that holds all your cloud resources. You then create additional compartments within the tenancy (under the root compartment) and corresponding policies to control access to the resources in each compartment.

Before you deploy Oracle Analytics Server on Oracle Cloud, Oracle recommends that you set up the compartment where you want all the resources associated with Oracle Analytics Server to belong.

For example, you might want to set up separate compartments for your stacks, network, database, and Oracle Analytics Server resources. The choice is yours.

Compartment		Oracle Cloud Infrastructure Resources			
roc	ot	-			
•	MyStacks	Marketplace stacks			
		Terraform stacks			
•	MyNetwork	VCN, subnet, and other network resources			
•	MyOracle_Analytics_Server	Compute instance hosting Oracle Analytics Server			
•	MyOracle_Database	Oracle Database used by Oracle Analytics Server to host its product schemas			

You create compartments in Oracle Cloud Infrastructure Identity and Access Management (IAM). See Setting Up Your Tenancy and Managing Compartments.

Set Up Network Resources

You or your network administrator must set up a virtual cloud network (VCN) and a subnet for your Oracle Analytics Server compute instance before you start.

The subnet can be *public* or *private*. If you want to deploy Oracle Analytics Server on a private subnet you must set up a separate public subnet, with a bastion compute instance or load balancer to provide administrative access. See Overview of Networking in Oracle Cloud Infrastructure documentation.

Ensure that you (or whoever plans to deploy Oracle Analytics Server) has the required policies to access the VCN and subnet you plan to use.

See Overview of VCNs and Subnets.

Set Up an Oracle Cloud Database

Oracle Analytics Server needs access to a database deployed on Oracle Cloud in which it can install various required database schemas. The database must be deployed in the same region as Oracle Analytics Server and accessible from the VCN where you plan to deploy Oracle Analytics Server. The Oracle database version must be 12.1, 12.2, 18+, or 19+.

When you deploy Oracle Analytics Server on Oracle Cloud using Oracle Cloud Marketplace, you're asked to provide the database connection string and database administrator credentials for the database you want to use. The database must be a pluggable database



(PDB) on an Oracle Cloud virtual machine DB system. See Overview for Bare Metal and Virtual Machine DB Systems.

You must use the database connection string format:<hostname or IP address>:<port>:<PDB name>.<DB domain>

For example:

oasdb.sub12345678901.oasvcn.oraclevcn.com:1512:OASDB1213_pdb1.sub123456789
01.oasvcn.oraclevcn.com



Tip:

To ensure Oracle Analytics Server deployment goes smoothly, test the database connection and database administrator credentials before you start.

Product Schemas

Oracle Analytics Server installs several schemas on the Oracle Cloud Database and uses them to store various product metadata.

- <YourSchemaPrefix>_BIPLATFORM Oracle Analytics
- <YourSchemaPrefix>_IAU Audit Service
- YourSchemaPrefix> IAU APPEND- Audit Service Append
- <YourSchemaPrefix>_IAU_VIEWER- Audit Service Viewer
- <YourSchemaPrefix> MDS Metadata Services
- <YourSchemaPrefix>_OPSS Oracle Platform Security Services
- <YourSchemaPrefix> STB Service Table
- YourSchemaPrefix> WLS WebLogic services

Plan Compute Shape and Boot Volume Size

When you deploy Oracle Analytics Server on Oracle Cloud, you're offered a range of compute shapes to suit different scenarios. The larger the compute size (OCPUs and memory), the greater the processing power. You can also select the boot volume size. If you're not sure which sizes to use, contact your sales team to discuss sizing guidelines.

Compute Shape

Oracle Analytics Server can be Oracle Compute Unit (OCPU)-intensive depending on your application. To help you decide which compute size best suits your deployment, consider how many active users you expect to perform concurrent activities.

Oracle Analytics Server supports a range of compute shapes, including:

- VM.Standard.2.*: The default shape is VM.Standard.2.1.
- VM.Standard.E4.Flex and VM.Standard.E3.Flex: With these flexible shapes, you
 can customize the number of OCPUs and the amount of memory.



The exact list of shapes available to you depends on your region. For a description of the difference between VM Standard shapes and a discussion on how to decide which to use, see Standard Shapes.

Boot Volume Size

A boot volume contains the image used to boot the compute instance. Volume performance varies with volume size. The default boot volume for an Oracle Analytics Server compute instance is 400 GB, and this is the minimum size available. You can increase this value up to 32768 GB.

See Overview of Boot Volume

Generate SSH Keys

You must generate a SSH public key and corresponding private key to access the Oracle Analytics Server compute instance on Oracle Cloud using a Secure Shell (SSH) connection.

When you deploy Oracle Analytics Server using Oracle Cloud Marketplace, you're asked to provide the public key you plan to use. See Creating a Key Pair on the Command Line.

Complete Predeployment Checklist

Use a checklist similar to this one to help plan your deployment and make sure you've completed all the prerequisite tasks. The checklist contains all the information you'll need for the quick-deployment process.

My Deployment Checklist

Information Required	Value
Oracle Cloud Infrastructure	
License Type (UCM or BYOL)	
Tenancy	
Region	
Availability Domain	
Network	
Subnet where the compute instance for Oracle A	Analytics Server is deployed
Compartment	
VPN	
Subnet	
Database	
Oracle Cloud database where schemas for Orac	le Analytics Server are installed
Connect String	
Database Administrator Username	
Database Administrator Password	
Prefix for Oracle Analytics Server database schemas	
Password to access Oracle Analytics Server database schemas	



Information Required	Value		
Compartment			
Shape	Shape:		
	OCPU:		
	Memory:		
Boot Volume			
SSH Key Pair	Public Key:		
	Path to Private Key:		
Oracle Analytics Server Domain			
Administrator access details for the Oracle Analytics Server deployment			
Analytics Administrator Username			
Analytics Administrator Password			

Deploy Oracle Analytics Server Using Oracle Cloud Marketplace

If you subscribe to Oracle Cloud with Universal Credits or have an Oracle Fusion Middleware on-premise license for Oracle Analytics Server, you can deploy Oracle Analytics Server on Oracle Cloud using Oracle Cloud Marketplace. Two quick-deploy templates are available. Select the one that matches your subscription with Oracle: Universal Credits (UCM) or Bring Your Own License (BYOL).

- Complete the prerequisites tasks and record all the information you need in the checklist provided. See Before you Begin.
- 2. Sign into Oracle Cloud Infrastructure Console.

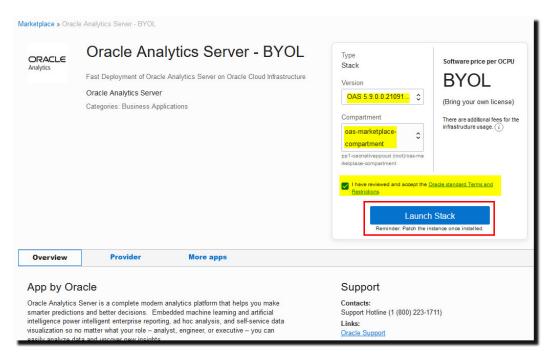
Ensure that you have all the required security policies to deploy Oracle Analytics Server, and access to the compartments containing the prerequisite network and database infrastructure.

- 3. In Oracle Cloud Infrastructure Console, click in the top left corner.
- 4. Click Marketplace. Under Marketplace, click All Applications.
- 5. Search for Oracle Analytics Server.
- Click Oracle Analytics Server UCM or Oracle Analytics Server BYOL.
- On Oracle Analytics Server's Marketplace page, select the version of Oracle Analytics Server you want to deploy.
- 8. Select the compartment in which to deploy and run the stack. For example, MyStacks.

This is where you want to store Oracle Resource Manager (ORM) stack and jobs.

- Review the Oracle standard terms and restrictions, and then select I have reviewed and accept the Oracle Standard Terms and Restrictions.
- 10. Click Launch Stack.





- 11. On the Create Stack page, enter details for your stack.
 - a. Enter a name for your Oracle Analytics Server stack. For example, My-OAS-Marketplace-Stack.
 - **b.** Add your own description or leave the default. For example, Stack to install Oracle Analytics Server on my TEST compute instance.
 - **c.** Add tags to organize and track resources within your tenancy.
 - d. Click Next.
- **12.** In **Oracle Analytics Server Compute Instance**, set values for the compute instance on which Oracle Analytics Server will be deployed.
 - Display Name Enter a name for the compute instance. For example, MyTestOAS.
 - Target Compartment Select the compartment in which to deploy the Oracle Analytics Server compute instance that this stack generates. For example, MyOracle Analytics Server.
 - If you want Oracle Analytics Server to use resources located in a different compartment, ensure that you have the required policies to access them. For example, the VCN, subnet, and database you plan to use.
 - **Availability Domain** Select the domain in which to create the compute instance. Required only if your tenancy has more than one availability domain.
 - **Shape** Select a shape for the compute instance.
 - If you select a flexible shape, you can specify the number of **OCPUs** and the amount of **Memory** (GB) that you want for the compute instance.
 - **OCPUs** Enter a value between 1 and 64. The default is 1 OCPU.
 - Memory Enter a value between 1 and 1024 GB. The default is 15 GB.
 - Boot Volume Size Select the size of the boot volume in GB. The minimum volume is 400 GB.



- **SSH Public Key** Browse and select the public SSH key file or paste the value of the SSH key that you created to access the compute instance.
- **13.** In **Network Configuration**, select the network on which you want to deploy the compute instance for Oracle Analytics Server.
 - **Compartment** Select the compartment containing the Virtual Cloud Network (VCN) you want to use. For example, MyNetwork.
 - **Virtual Cloud Network** Select the Virtual Cloud Network (VCN) where you want to create the compute instance.
 - Subnet Select a subnet for the compute instance.

Note:

If you select a private subnet, you must set up a separate public subnet and a bastion compute instance (or load balancer) to provide administrative access to the compute instance. See Set Up Network Resources.

 Assign a Public IP Address - Generates a public IP address for the compute instance. Only applicable if you select a public subnet. Don't select this option if the subnet is private.

If you can't see the compartment, VCN, or subnet you want, check you have the required permissions.

14. In Oracle Analytics Server Domain Configuration, select Create Oracle Analytics Server Domain and provide the details for Oracle Analytics Server domain configuration.

Note:

Don't select **Create Oracle Analytics Server Domain**, if you're creating an additional Oracle Analytics Server compute instance to scale out an existing Oracle Analytics Server deployment.

- Analytics Administrator Username Name of the user who will administer
 Oracle Analytics Server. Because this is a new user, you can enter any
 suitable username. For example, myoasadmin.
- Analytics Administrator Password Password for the Oracle Analytics
 Server administrator. Because this is a new password, enter any suitable
 password. The password must be at least 8 characters long and contain only
 alphanumeric, underscore (_), dollar (\$) or pound (#) characters.
- Database Connection String Connect string for the database you want to use to store Oracle Analytics Server product schemas. The database must be a pluggable database (PDB) on an Oracle Cloud virtual machine DB system. Use the format: <hostname or IP

address>:<port>:<PDB name>.<DB domain>

For example:

oasdb.sub12345678901.oasvcn.oraclevcn.com:1512:OASDB1213_pdb1.sub12345678901.oasvcn.oraclevcn.com



- **Database Administrator Username** Name of an existing user with database administration privileges. For example, myoasdba.
- Database Administrator Password Password of the user with database administration privileges.
- Database Schema Prefix Prefix added to the name of each database schema created for Oracle Analytics Server. For example, MyOAS.
- Database Schema Password Password to access the database schemas used by Oracle Analytics Server. This is a new password so you can enter any suitable value. The password must be at least 8 characters long and contain only alphanumeric, underscore (), dollar (\$) or pound (#) characters

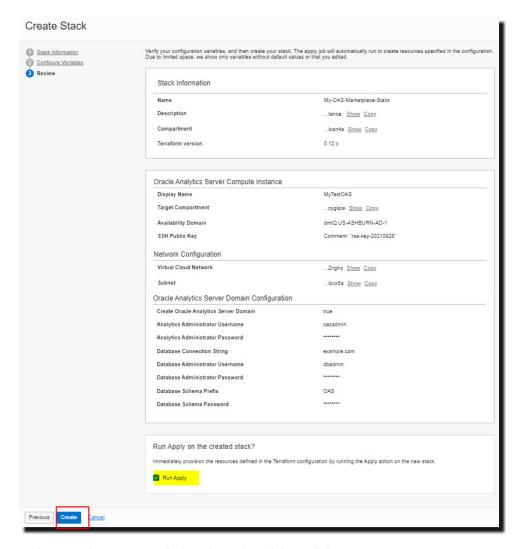


Tip:

To ensure Oracle Analytics Server deployment goes smoothly, test the database connection and database administrator credentials before you create the stack.

- 15. Click Next.
- **16.** Review the information you provided for the compute instance.





17. Make sure that Run Apply is selected, and then click Create.

Monitor progress on the **Job Details** page. When the stack job finishes, the state changes from **In Progress** to **Succeeded**.

If you opted to create and configure a domain, the process takes about 30 - 40 minutes to complete and starts in the background immediately after the stack job finishes. The exact time depends on multiple factors, including the current load on your network and database.

- 18. To track the deployment process, use SSH to connect to the compute instance and monitor the deployment logs in the /tmp directory (oas_install.log and create_domain.log). When Oracle Analytics Server is ready to use, you see the file /tmp/oas install.finish.
- **19.** In the Job Details page, click **Job Resources** to access the compute instance (oci_core_instance) generated by the stack.

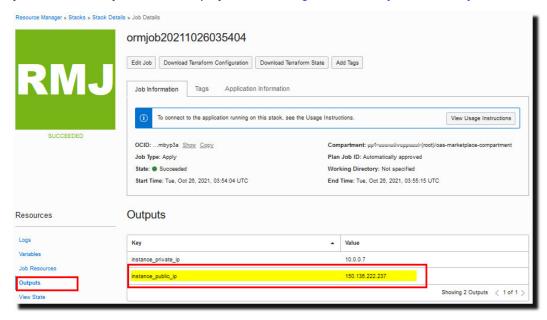
Click the name of the compute instance to navigate to more detail and bookmark this page because you might need this page later.





20. In the Job Details page, click **Outputs** to see the public IP address assigned to the compute instance (if any).

If available, copy the public IP address. You can use the public IP to sign-in and verify your Oracle Analytics Server deployment. See Sign-in and Verify Oracle Analytics Server.



21. In the Job Details page, click **View State** to review the Terraform state file for this stack.

Resource Manager stores the Terraform state file (.tfstate) for the stack in JSON format. This file maps your stack's resources to your configuration and maintains essential configuration metadata, such as resource dependencies. See also To view the state of a stack.

The Terraform state file contains all the data you provided, including the passwords you specified for the domain creation phase. If you don't want these passwords to be visible to anyone who has access to this job, you should skip the domain creation. Instead, you can add all the information required to create the domain to the files on the compute instance, and create the domain manually using the scripts provided.



Complete Post Deployment Tasks

After you deploy Oracle Analytics Server on Oracle Cloud Infrastructure using Oracle Marketplace, complete the following tasks.

- Test Connectivity to Oracle Analytics Server
- Install Additional Libraries for Machine Learning in Oracle Analytics Server
- Sign-in and Verify Oracle Analytics Server
- Complete Cleanup Tasks
- Set Up SSL in Oracle Analytics Server
- Secure Your Network

Test Connectivity to Oracle Analytics Server

Use Secure Shell (SSH) client software to connect to the Oracle Analytics Server compute instance deployed on Oracle Cloud Infrastructure to perform administrative tasks.

You need the public IP address of the compute instance to use SSH. See Connecting to a Compute Instance on Oracle Cloud Infrastructure.

Note:

The way you access a private compute node depends on your environment. For example, you might decide to deploy a bastion host (see Oracle Technical Brief on post-deployment bastion host setup). If your network configuration uses FastConnection or VPN with IPSec, you must provide the network setup that allows you to use SSH to connect to the private compute node.

- 1. Open any SSL utility, for example openSSL.
- 2. Connect to your Oracle Analytics Server compute instance and log in.

```
$ ssh -i path_to_private_key_file opc@oas_public_ip
```

path_to_private_key_file is the full path and name of the file that contains the private key associated with the instance you want to access. This is the private key from the public-private key pair that you generated and specified when you deployed Oracle Analytics Server using Oracle Cloud Marketplace.

opc is the default user for the compute instance opc.

oas_public_ip is the public IP address for the compute instance that you obtained from the Console.



Install Additional Libraries for Machine Learning in Oracle Analytics Server

If you want to use automated machine learning features in Oracle Analytics Server on Oracle Cloud you must install some additional libraries.

You must have system administrator privileges to install these libraries.

At the command line, run the following command to install the libraries:

(Linux) sudo yum install -y libgfortran

Sign-in and Verify Oracle Analytics Server

If you opted to create and configure a domain for Oracle Analytics Server, it takes another 30 - 40 minutes *after* the stack job finishes to create the domain and deploy Oracle Analytics Server. The exact time depends on multiple factors, including the current load on your network and database. After checking the logs, you can sign in.

- 1. If you haven't done so already, verify that Oracle Analytics Server installation is complete.
 - a. Open any SSL utility and log in to the compute instance.

Use the SSH private key (path_to_private_key and the public IP address of the Oracle Analytics Server (oas public ip).

```
$ ssh -i path_to_private_key opc@oas_public_ip
```

- **b.** Navigate to the /tmp directory and look for the file oas_install.finish. This file indicates that the installation is complete.
- c. Check the log files oas_install.log and create_domain.log to verify that the domain created successfully.
- 2. If you haven't done so already, obtain the public IP address of your Oracle Analytics Server compute instance.

Earlier, we showed you how to access the IP information from the Job Outputs tab in Resource Manager (see step 20 Deploy Oracle Analytics Server Using Oracle Cloud Marketplace). You can also access the public IP address from the Compute Instance Details page:

- a. In Oracle Cloud Infrastructure Console, click in the top left corner.
- b. Click Compute and then click Instances.
- c. Under List Scope on the left side of the page, select the compartment where you deployed Oracle Analytics Server.
- d. Select the name of the compute instance.
- Under Primary VNIC Information, find and copy Public IP Address.
- 3. To verify Oracle Analytics Server, access the following URL and sign in.

http://OAS Public IP Address:port/analytics

For example: http://123.45.67.890:9502/analytics



If you selected the **Create Oracle Analytics Server Domain** stack option, Oracle Analytics Server is set up with the default ports, and you can access Oracle Analytics Server on port 9502. If you configured the Oracle Analytics Server domain separately, use the port number you specified for the Managed Server.

Sign in using the administrator credentials you provided to deploy the stack, that is, the values for **Analytics Administrator Username** and **Analytics Administrator Password**.

When the home page displays, Oracle Analytics Server is ready to use!

4. To verify Oracle Analytics Publisher, access the following URL and sign in.

```
http://OAS IP address:Port/xmlpserver
```

For example: http://123.45.67.890:9502/xmlpserver

Oracle Analytics Publisher displays and is ready to use!

Complete Cleanup Tasks

After you deploy Oracle Analytics Server using Oracle Cloud Marketplace and verify your setup, Oracle recommends that you delete the domain configuration file biconfig.rsp. This configuration file contains sensitive password information and since it's no longer required, you're advised to delete it.

- Use SSH to access the compute instance for Oracle Analytics Server.
- 2. Navigate to /oas/oas install.
- 3. Delete the file biconfig.rsp.

Set Up SSL in Oracle Analytics Server

Oracle highly recommends that you configure Oracle Analytics Server components to communicate over SSL and update the SSL certificates to one that has been signed with a trusted certificate authority.

To do this, follow the same steps as in Oracle Analytics Server on-premise. See Configure SSL in Oracle Analytics Server in *Managing Security for Oracle Analytics Server*.

Secure Your Network

After you deploy the Oracle Analytics Server stack on Oracle Cloud Infrastructure, take steps to secure your network.

See Ways to Secure Your Network.



Administer Oracle Analytics Server on Oracle Cloud

When you deploy Oracle Analytics Server on Oracle Cloud Infrastructure, some administration tasks take place through Oracle Cloud Infrastructure Console.

- Delete Oracle Analytics Server Resources
- Edit Your Oracle Analytics Server Deployment
- View Usage Costs for Oracle Analytics Server on Oracle Cloud
- Scale Oracle Analytics Server on Oracle Cloud
- Restart Oracle Analytics Server After You Reboot the Compute Instance

Delete Oracle Analytics Server Resources

Destroying a stack deletes all the Oracle Analytics Server resources that were created by the stack, including the Oracle Analytics Server compute node.

Billing stops immediately after the destroy operation.

- In Oracle Cloud Infrastructure Console, click in the top left corner, select Resource Manager, and then click Stacks.
- 2. Click the Oracle Analytics Server stack you want to delete.
- 3. Click Destroy.

You can monitor the progress of the Destroy job in the Logs tab. When complete, the State changes to **Succeeded**.

- Click Stack Details and then click More Actions. Select Delete Stack, and then click Delete.
- 5. Optional: Delete the database schemas created for Oracle Analytics Server.

Edit Your Oracle Analytics Server Deployment

You can edit only the name of the Oracle Analytics Server compute instance.

- 1. In Oracle Cloud Infrastructure Console, click in the top left corner.
- 2. Click Compute, and then click Instances.
- 3. Under List Scope on the left side of the page, select the compartment containing the compute instance you want to edit.
- Select the compute instance and click Edit.
- In the Edit instance configuration dialog, enter a new name, and then click Save changes.

View Usage Costs for Oracle Analytics Server on Oracle Cloud

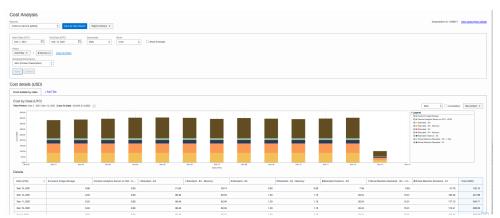
You can analyze the cost of your Oracle Analytics Server deployment using the Cost Analysis page. Cost information for Oracle Analytics Server is available under the Compute service.

- Product Description: Oracle Analytics Server on OCI UCM
- Part Number: B94568
- Ensure you're assigned to a security policy that allows you to read cost information.

For example, if you have an Oracle Cloud user group called AnalyticsServerAdmins, you might want to allow this group to see cost information. For example, a policy statement that looks like this:

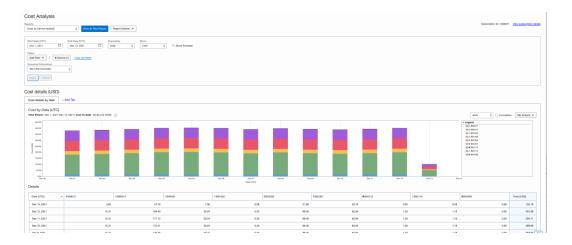
allow group AnalyticsServerAdmins to read usage-reports

- 2. Navigate to the Cost Analysis Page. Click **Billing and Cost Management**, and then click **Cost Analysis**.
- 3. In Reports, select Costs by Service.
 - a. Add a filter for Service and select COMPUTE.
 - **b.** For Grouping Dimensions, select **SKU Product Descriptions**.
 - c. Review costs for Oracle Analytics Server on OCI UCM.



- 4. In Reports, select Costs by Service.
 - a. Add a filter for Service and select COMPUTE.
 - For Grouping Dimensions, select SKU (Part Number).
 - Review costs for B94568 (Oracle Analytics Server on OCI UCM).





Scale Oracle Analytics Server on Oracle Cloud

If you want to scale Oracle Analytics Server by distributing the processing of requests across multiple virtual machine (VM) instances, add another Oracle Analytics Server instance to your environment on Oracle Cloud.

Pre-requisites for scaling Oracle Analytics Server:

- Verify that your environment meets system and network requirements. See Networking Overview and Virtual Networking Quickstart.
- Deploy additional Oracle Analytics Server instance on the same virtual cloud network (VCN) as the primary Oracle Analytics Server instance.

You can use the performance metrics that are provided in Oracle Fusion Middleware Control to monitor process state and to determine when you must increase capacity to improve performance of Oracle Analytics Server on Oracle Cloud.

If you want to use a private subnet, see Configure Public and Private Subnets with a VPN.

1. Use Oracle Cloud Marketplace to deploy Oracle Analytics Server on Oracle Cloud Infrastructure (node 1).

For node 1, you must select **Create Oracle Analytics Server Domain**, and provide the required domain configuration details. See Deploy Oracle Analytics Server Using Oracle Cloud Marketplace .



 Use Oracle Cloud Marketplace to deploy a secondary Oracle Analytics Server on Oracle Cloud Infrastructure without a domain (node 2).

For node 2, don't select Create Oracle Analytics Server Domain.



3. Set up shared files and directories between the two nodes.

The singleton data directory (SDD) stores the metadata. The default location is set to:

DOMAIN_HOME/bidata



The SDD path is defined in the file bi-environment.xml, located at

DOMAIN HOME/config/fmwconfig/bienv/core/bi-environment.xml.

a. Open any SSL utility and run the following command to log in to your primary Oracle Analytics Server instance (node 1). Use the SSH private key (path_to_private_key and the public IP address of the Oracle Analytics Server (oas public ip).

```
$ ssh -i path to private key opc@oas public ip
```

b. Create a mount point for bidata. For example, run the following command:

```
mount DOMAIN HOME/bidata /sdd/bidata
```

This makes /sdd/bidata the mount point for SDD.

c. Open the bi-environment.xml file for editing, specify the singleton path, and save the file.

For example:

```
<bi:singleton-data-directory>Node1_IP_address:/sdd/bidata/</br>
bi:singleton-data-directory>
```

Where:

- bi:singleton-data-directory is the SDD mount point.
- Nodel IP address is the private IP address of node 1.
- d. Log in to node 2 using the SSH utility and ping node 1 to check you can access node 1.

You can use the <code>OASFirewallPortsFix.xml</code> script file to configure the ports.

- 4. Set up the global cache. See Set Up the Global Cache.
- **5.** Add (or remove) instances on Oracle Cloud Infrastructure.
 - To add a new instance, see Add New Computers.
 - To remove an existing instance, see Remove Existing Computers.
- 6. Validate that your system scales correctly. See Validate that Your System Has Been Scaled Correctly.

Restart Oracle Analytics Server After You Reboot the Compute Instance

If you reboot the compute instance on which you deployed Oracle Analytics Server, you must restart Oracle Analytics Server. For example, you might need to reboot your Oracle Analytics Server compute instance after you make changes, such as applying a patch.

- 1. In Oracle Cloud Infrastructure Console, click in the top left corner.
- Click Compute and then click Instances.



- 3. Under List Scope on the left side of the page, select the compartment where you deployed Oracle Analytics Server and then select the compute instance you want to reboot.
- **4.** Click **Reboot** to stop and restart the Oracle Analytics Server compute instance.
- **5.** Manually start Oracle Analytics Server services using start.sh. See Start Oracle Analytics Server.

The start.sh script file is available in the /oas/oas_install/Oracle/Middleware/Oracle_Home/user_projects/domains/bi/bitools/bin/folder.



A

Frequently Asked Questions

This section contains the following topics:

- · How do I know when the deployment and domain creation is complete?
- · Where can I find the logs for the installation and check on progress?
- How can I verify that Oracle Analytics Server is up and running?
- Where can I find the public IP address of my Oracle Analytics Server compute instance?
- I rebooted my Oracle Analytics Server compute instance. Why can't I access Oracle Analytics Server?
- The status of my stack job changed to "Finished". Why can't I access my Oracle Analytics Server compute instance?
- Can I customize Oracle Analytics Server deployment on Oracle Cloud using Terraform?

How do I know when the deployment and domain creation is complete?

To check whether deployment and domain creation is complete, use SSH to connect to the Oracle Analytics Server compute instance and look in the /tmp directory for the file oas install.finish. If you find this file, the installation is complete.

```
>cd /tmp/
>ls -la
>...
>-rw-r--r-. 1 root root 0 Nov 05 15:02 oas_install.finish
>...
```

If you selected the option to create and configure a domain, the entire process takes about 30 - 40 minutes to complete.

Where can I find the logs for the installation and check on progress?

The Oracle Analytics Server stack creation process generates a log called <code>oas_install.log</code>. If you opt to create an Oracle Analytics Server domain , you see an additional log called <code>create_domain.log</code>. You can find both these logs in the <code>/tmp</code> directory of your Oracle Analytics Server compute instance.

oas_install.log: Logs progress information during the entire installation process. For
example, you see messages about script generation, script execution, the file biconfig
used for domain creation, the configuration file OASFirewallPortsFix.xml and script file
open_oas_firewall_ports.sh used to open ports in the firewall, and details about any
files removed during the cleanup phase.

 create_domain.log: Logs status information during the domain creation phase. If domain creation succeeds, you see the following message:

```
[CONFIG] SUCCESS:Collect logs
Configuration:Oracle_Analytics_Configuration completed successfully
The configuration of Oracle Distribution completed successfully.
```

If a problem occurs, you see an error message with a description of the issue.

How can I verify that Oracle Analytics Server is up and running?

Obtain the public IP address of your Oracle Analytics Server compute instance and enter a URL such as this in your web browser:

```
http://OAS IP Address:port/analytics
```

For example:

http://123.45.67.890:9502/analytics

If you selected the **Create Oracle Analytics Server Domain** stack option, Oracle Analytics Server is set up with the default ports, and you can access Oracle Analytics Server on port 9502. If you configured the Oracle Analytics Server domain separately, use the port number you specified for the Managed Server.

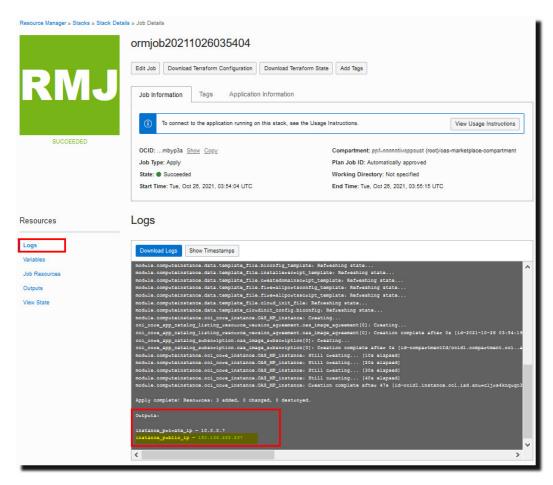
See also Next Steps After Configuring the Domain in *Installing and Configuring Oracle Analytics Server*.

Where can I find the public IP address of my Oracle Analytics Server compute instance?

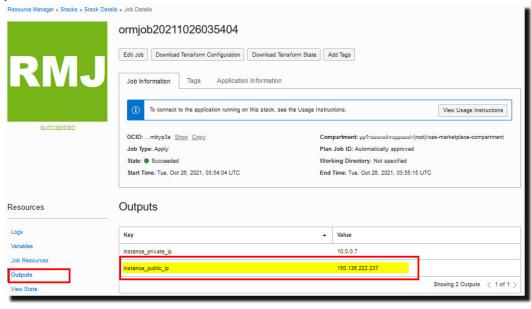
You can find the public IP address (if available) in several places:

• Stack Job Log tab: The public IP address displays in the Outputs section at the end of the log.

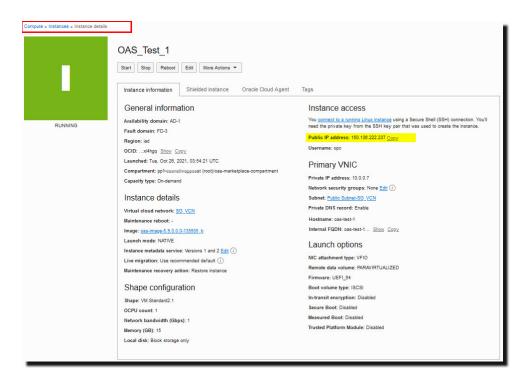




Stack Job Outputs tab: The public IP address displays in the Outputs section for the
job.



• Compute Instance Details page: Navigate to the compartment where you deployed the Oracle Analytics Server and locate the compute instance. The public IP address displays in the Instance Access section for the compute instance.



I rebooted my Oracle Analytics Server compute instance. Why can't I access Oracle Analytics Server?

Oracle Analytics Server doesn't restart automatically after you reboot the computer instance that is hosting Oracle Analytics Server. You must restart Oracle Analytics Server manually using start.sh. See Start Oracle Analytics Server.

The status of my stack job changed to "Finished". Why can't I access my Oracle Analytics Server compute instance?

If you opted to create and configure a domain, the process takes about 30 - 40 minutes and starts in the background immediately after the stack job finishes. See How do I know when the deployment and domain creation is complete?

If you didn't select the create domain option, you must create the domain manually before you can access Oracle Analytics Server. To do this, you must update the configuration file <code>/oas/oas_install/biconfig.rsp</code>, and then either run the create domain script (<code>/tmp/create oas domain.sh</code>) or run <code>config.sh</code>.

- Use SSH to access the compute instance for Oracle Analytics Server.
- 2. Navigate to /oas/oas install.
- 3. In a file editor such as vi, update the configuration file biconfig.rsp.
 - For example: sudo vi biconfig.rsp
- 4. Navigate to the /tmp folder.
- 5. Do one of the following:
 - Execute the existing create domain script to create the domain: / create_oas_domain.sh
 - Run config.sh: sudo -u opc bash /oas/oas_install/Oracle/Middleware/
 Oracle_Home/bi/bin/config.sh -silent -responseFile /oas/



oas_install/biconfig.rsp -invPtrLoc /oas/oas_install/oraInst.loc 2>&1
> /tmp/create domain.log

Can I customize Oracle Analytics Server deployment on Oracle Cloud using Terraform?

Yes. Oracle provides two customizable Terraform modules that enable you to quickly deploy Oracle Analytics Server on Oracle Cloud Infrastructure using Resource Manager or Terraform commands: Oracle Analytics Server - UCM (Universal Credits) and Oracle Analytics Server - BYOL (Bring Your Own License)

Both Terraform modules are available for download from GitHub. To find out more, go to GitHub and search or jump to:

oracle-quickstart/oci-oracle-analytics-server

For instructions, see Oracle Analytics Server Quick Start Readme.

For general information about Resource Manager and Terraform in Oracle Cloud Infrastructure, see Overview of Resource Manager and Resource Manager and Terraform.



B

Troubleshooting

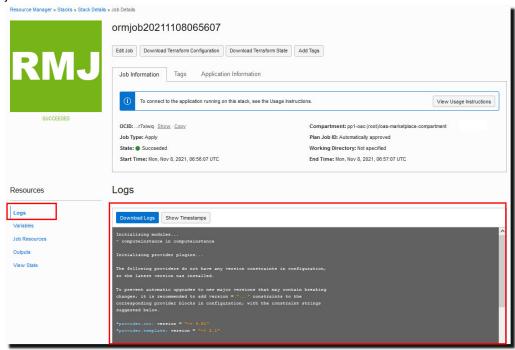
This topic describes common problems that you might encounter deploying Oracle Analytics Server on Oracle Cloud and explains how to solve them.

- I'm having problems creating the stack for Oracle Analytics Server
- How do I diagnose other installation issues?
- How can I confirm a problem with the connection to the database?
- Why do I see an error message about a *failed authorization* or a *resource not found* when I try to create an Oracle Analytics Server stack?
- Why do I see the error message 404-NotAuthorizedOrNotFound while creating an Oracle Analytics Server stack?
- Why do I see an error message about public IP addresses and a subnet?
- Why do I see a maximum stack limit error message?
- What can I do when domain creation fails due to an incorrect or invalid password?
- The installation finished but I can't access Oracle Analytics Server by entering the URL in a browser. What do I need to do?
- Why can't I use automated machine learning features in Oracle Analytics Server?
- How do I get help for Marketplace?
- When do I contact Oracle Support?



I'm having problems creating the stack for Oracle Analytics Server

In the Oracle Cloud Infrastructure Console, navigate to the Logs page for the stack job.



If you're not sure what to do, contact Oracle Support for assistance.

How do I diagnose other installation issues?

When you deploy Oracle Analytics Server on Oracle Cloud several logs are saved to the tmp directory on the compute instance created for Oracle Analytics Server:

You can use your favorite SSH client to log in to the Oracle Analytics Server compute instance to access these logs.

- /tmp/oas install.finish Indicates that the installation is complete.
- /tmp/oas_install.log Logs progress information during the entire installation process. For example, you see messages about script generation, script execution, the file biconfig used for domain creation, the configuration file OASFirewallPortsFix.xml and script file open_oas_fiewall_ports.sh used to open ports in the firewall, and details about any files removed during the cleanup phase.
- /tmp/create_domain.log Logs status information during the domain creation phase. If domain creation succeeds, you see the following message:

[CONFIG] SUCCESS:Collect logs Configuration:Oracle_Analytics_Configuration completed successfully The configuration of Oracle Distribution completed successfully.

If a problem occurs, you see an error message with a description of the issue.

How can I confirm a problem with the connection to the database?

Database connection errors can occur for various reasons including an incorrect connection string, an incorrect user name or password, and an invalid or duplicate prefix for the product schemas.

Incorrect connection string

Use SSH to access the compute instance for Oracle Analytics Server and open the $/tmp/create_domain.log$ file. An error message similar to the one shown in the following example indicates that either the database isn't accessible or the connection string for the database is incorrect.

```
Validations are enabled for this session.

Verifying data

[VALIDATION] [ERROR]:Error connecting to 'Oracle database at host <IP address> port 1521 service name

pdb.sub07132220290.sgvcn.oraclevcn.com'. Error: 'Listener refused the connection with the following error:

ORA-12514, TNS:listener does not currently know of service requested in connect descriptor '

Invalid service name.

[VALIDATION] [SUGGESTION]:Make sure the database is up and running and connect string, user name and password are correct.

Configuration Failed. Exiting configuration due to data validation failure.
```

Incorrect user name or password

Use SSH to access the compute instance for Oracle Analytics Server and open the $/tmp/create_domain.log$ file. An error message similar to the one shown in the following example indicates that credentials provided for connecting to the database are invalid.

```
Validations are enabled for this session.

Verifying data[VALIDATION]

[ERROR]:Error connecting to 'Oracle database at host <IP address> port 1521 service name <PDB_Name>.<DB domain>'

- Invalid user name/password

[VALIDATION] [SUGGESTION]:Make sure the database is up and running and connect string, user name and password are correct. Enter a valid user name with DBA privileges

Configuration Failed. Exiting configuration due to data validation failure.
```

If the username or password contains illegal characters, you see an error message similar to this:

```
Validations are enabled for this session.

Verifying data [VALIDATION]

[ERROR]:Password contains invalid characters

[VALIDATION] [SUGGESTION]:Ensure password contains only alphanumeric,

underscore (_), dollar ($) or pound (#) characters configuration Failed.

Exiting configuration due to data validation failure.
```



If the password is the incorrect length, you an error message similar to this:

```
Validations are enabled for this session.

Verifying data [VALIDATION]

[ERROR]:Password field 'ADMIN_PASSWORD' must have at least '1'

numerals

[VALIDATION][SUGGESTION]:Enter a more complex password with numerals

[VALIDATION] [ERROR]:Password field 'ADMIN_PASSWORD' must be at least
'8' characters long

[VALIDATION] [SUGGESTION]:Enter a longer password
```

Invalid or duplicate prefix for the product schemas

Use SSH to access the compute instance for Oracle Analytics Server and open the $/tmp/create_domain.log$ file. An error message similar to the one shown in the following example indicates that an invalid or duplicate prefix was provided for Oracle Analytics Server product schemas.

```
Validations are enabled for this session.

ACTION - RCU-6016 Specify another prefix.

ERROR - RCU-6016 Invalid prefix specified.

CAUSE - RCU-6016 The specified prefix already exists.[Create schemas using RCU]:2021-11-03T10:52:07.479+0000

ERROR - RCU-6091 Component validation failed.

CAUSE - RCU-6091 One or more component specific validation failed.
```

Why do I see an error message about a *failed authorization* or a *resource not found* when I try to create an Oracle Analytics Server stack?

If you don't have the manage orm-family policy, you see the following error message when you attempt to create an Oracle Analytics Server stack:

```
Authorization failed or requested resource not found
```

Ask your administrator to assign you to a group with the following policy:

```
allow group myoasgroup_name to manage orm-family in compartment myoas-compartment name
```

See Set Up Policies in Oracle Cloud Infrastructure.

Why do I see the error message 404-NotAuthorizedOrNotFound while creating an Oracle Analytics Server stack?

If you don't have the manage instance-family policy, you see the following error message when creating an Oracle Analytics Server stack:

```
Error: 404-NotAuthorizedOrNotFound...
Service: Core Instance
Error Message: Authorization failed or requested resource not found.
```



Ask your administrator to assign you to a group with the following policy:

allow group myoasgroup_name to manage instance-family in compartment myoas-compartment name

See Set Up Policies in Oracle Cloud Infrastructure.

Why do I see an error message about public IP addresses and a subnet?

You can't assign a public IP address (ephemeral public IPs) to an Oracle Analytics Server compute instance that is deployed in a *private subnet*. If you decide to use a private subnet, don't select the stack option **Assign a Public IP Address**. If you do, you see the following error message:

Public IP addresses are prohibited in this subnet {ocid1.subnet...

Why do I see a maximum stack limit error message?

When you sign up for Oracle Cloud Infrastructure, a set of service limits is configured for your tenancy. If you reach the maximum number of stacks allowed in your tenancy you see the following error message when try to create an Oracle Analytics Server stack:

Tenancy has reached maximum limit for total stacks.

See Requesting a Service Limit Increase.

What can I do when domain creation fails due to an incorrect or invalid password?

- Use SSH to access the compute instance for Oracle Analytics Server.
- 2. Navigate to /oas/oas_install.
- 3. Modify biconfig.rsp and correct the incorrect password.
- 4. Delete the existing /tmp/create_domain.log file (sudo rm /tmp/create_domain.log).
- 5. Navigate to the /tmp folder
- 6. Do one of the following:
 - Execute the existing create domain script to create the domain: / create oas domain.sh
 - Run config.sh: sudo -u opc bash /oas/oas_install/Oracle/Middleware/
 Oracle_Home/bi/bin/config.sh -silent -responseFile /oas/oas_install/
 biconfig.rsp -invPtrLoc /oas/oas_install/oraInst.loc 2>&1 > /tmp/
 create domain.log

The installation finished but I can't access Oracle Analytics Server by entering the URL in a browser. What do I need to do?

Use SSH to access the compute instance for Oracle Analytics Server, navigate to the directory /oas/oas_install/Oracle/Middleware/Oracle_Home/user_projects/domains/bi/bitools/bin, and then run status.sh to check whether all the required services are running.



The following information is displayed:

Domain status; Using domainHome:/oas/oas_install/Oracle/Middleware/Oracle_Home/user_projects/domains/bi ...
Initializing WebLogic Scripting Tool (WLST) ...
Welcome to WebLogic Server Administration Scripting Shell
Type help() for help on available commands

/Servers/AdminServer/ListenPort=9500
Accessing admin server using URL t3:/<compute instance name>:9500

AdminServer already running

Status of Domain: /oas/oas_install/Oracle/Middleware/Oracle_Home/user projects/domains/bi

NodeManager (<compute instance name>:9506:SSL): RUNNING

Name Restart Sta		Machine			Restart Int	Max
AdminServer unknown		<compute< td=""><td>instance</td><td>name></td><td>unknown</td><td></td></compute<>	instance	name>	unknown	
bi_server1 unknown		<compute< td=""><td>instance</td><td>name></td><td>unknown</td><td></td></compute<>	instance	name>	unknown	
obips1 5000		<pre><compute< pre=""></compute<></pre>	instance	name>	3600	
obijh1 5000	ВІЈН	<compute< td=""><td>instance</td><td>name></td><td>3600</td><td></td></compute<>	instance	name>	3600	
obiccs1		<compute< td=""><td>instance</td><td>name></td><td>3600</td><td></td></compute<>	instance	name>	3600	
obisch1		<compute< td=""><td>instance</td><td>name></td><td>3600</td><td></td></compute<>	instance	name>	3600	
obis1 5000	BIS RUNNING	<compute< td=""><td>instance</td><td>name></td><td>3600</td><td></td></compute<>	instance	name>	3600	

If any of the services are down, restart Oracle Analytics Server manually using start.sh. See Start Oracle Analytics Server.

Why can't I use automated machine learning features in Oracle Analytics Server?

You need to install some additional libraries. See Install Additional Libraries for Machine Learning in Oracle Analytics Server.

How do I get help for Marketplace?

For general help with Oracle Cloud Marketplace, see How Do I Get Support in Using Oracle Cloud Marketplace.

When do I contact Oracle Support?

If you encounter a problem deploying Oracle Analytics Server on Oracle Cloud, record any error messages you see in the user interface, and contact Oracle Support for assistance.

