

Oracle Cloud Associate

Contents :

- [Introduction](#)

Introduction

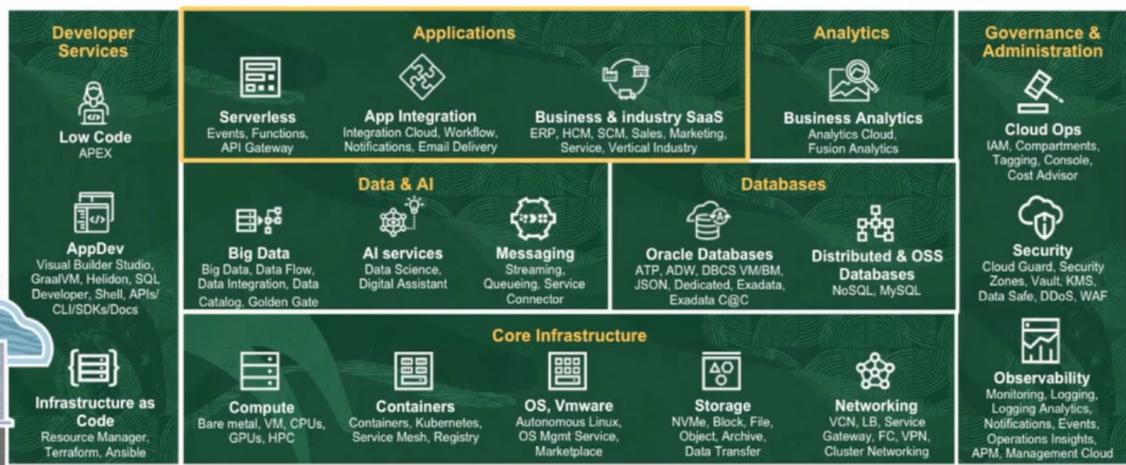
Oracle Cloud Infrastructure

Introduction

OCI Introduction

SR. DIRECTOR, OCI GLOBAL DELIVERY
ORACLE UNIVERSITY

Comprehensive Horizontal and Industry SaaS Portfolio





Oracle Cloud Infrastructure

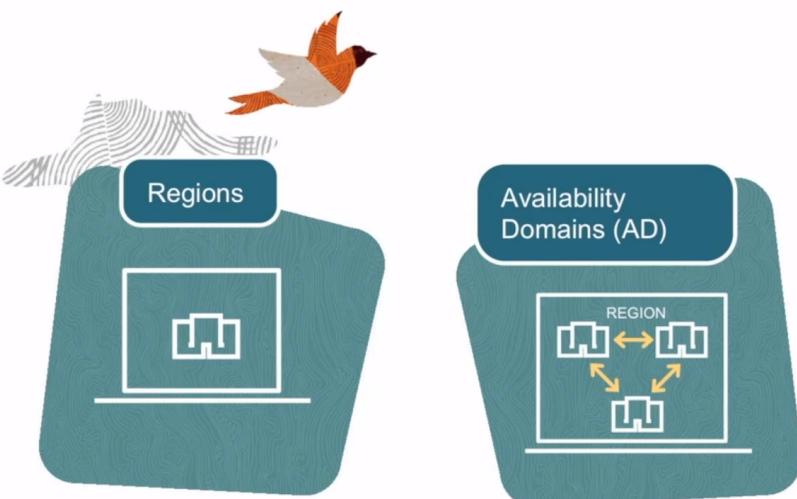
OCI Architecture

OCI Introduction

Rohit Rahi

SR. DIRECTOR, OCI GLOBAL DELIVERY
ORACLE UNIVERSITY

OCI Architecture



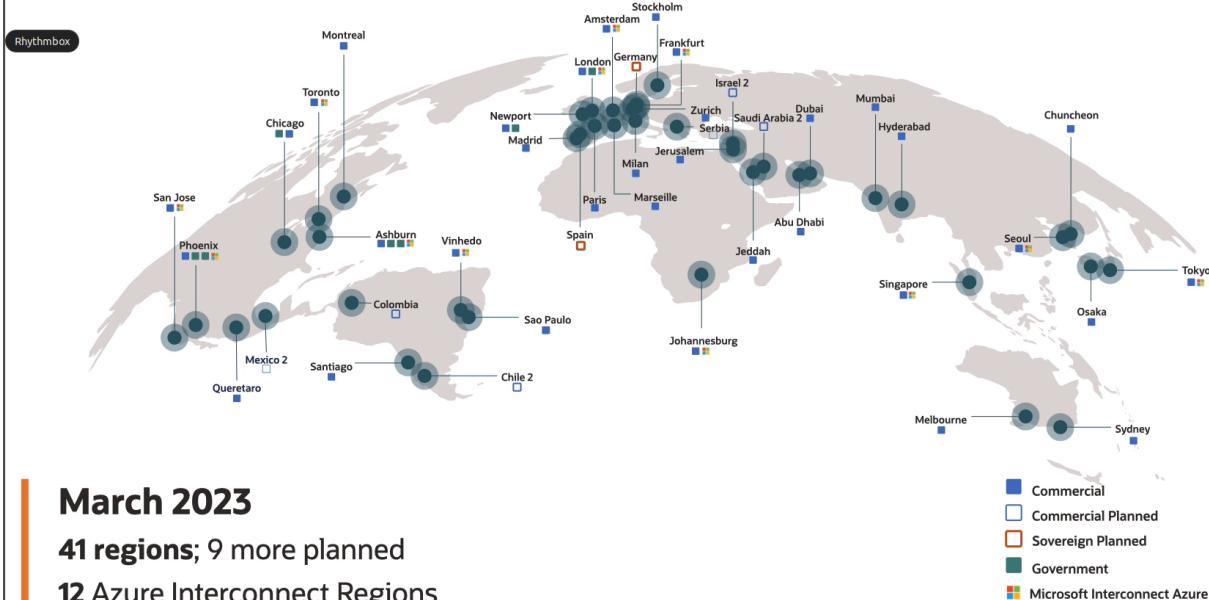
Fault tolerant

Within in a region

Low latency

High bandwidth

Oracle Cloud Infrastructure Global Locations



Choosing a Region

Location

Choose a region closest to your users for lowest latency and highest performance!



Data Residency & Compliance

Many countries have strict data residency requirements.

Service Availability

New cloud services are made available based on regional demand, regulatory compliance, resource availability, and other factors.



Availability Domains

Isolated from each other, fault tolerant, unlikely to fail simultaneously

Physical infrastructure not shared

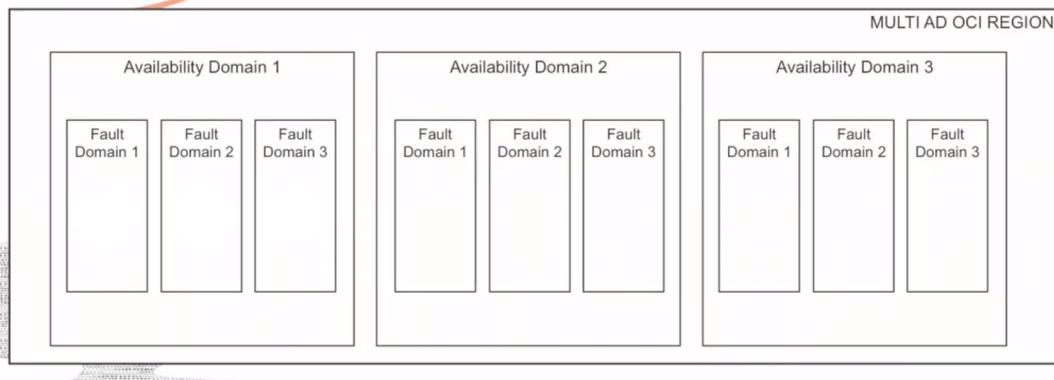


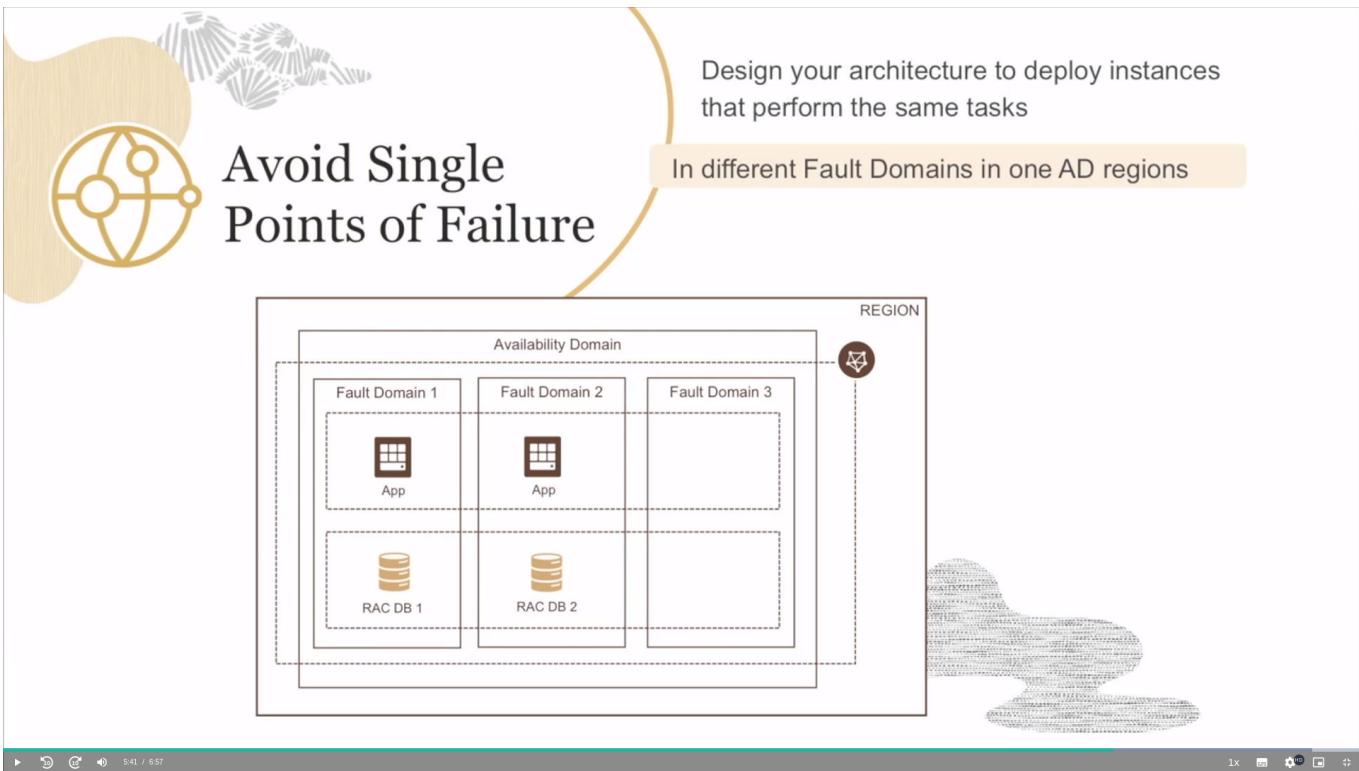
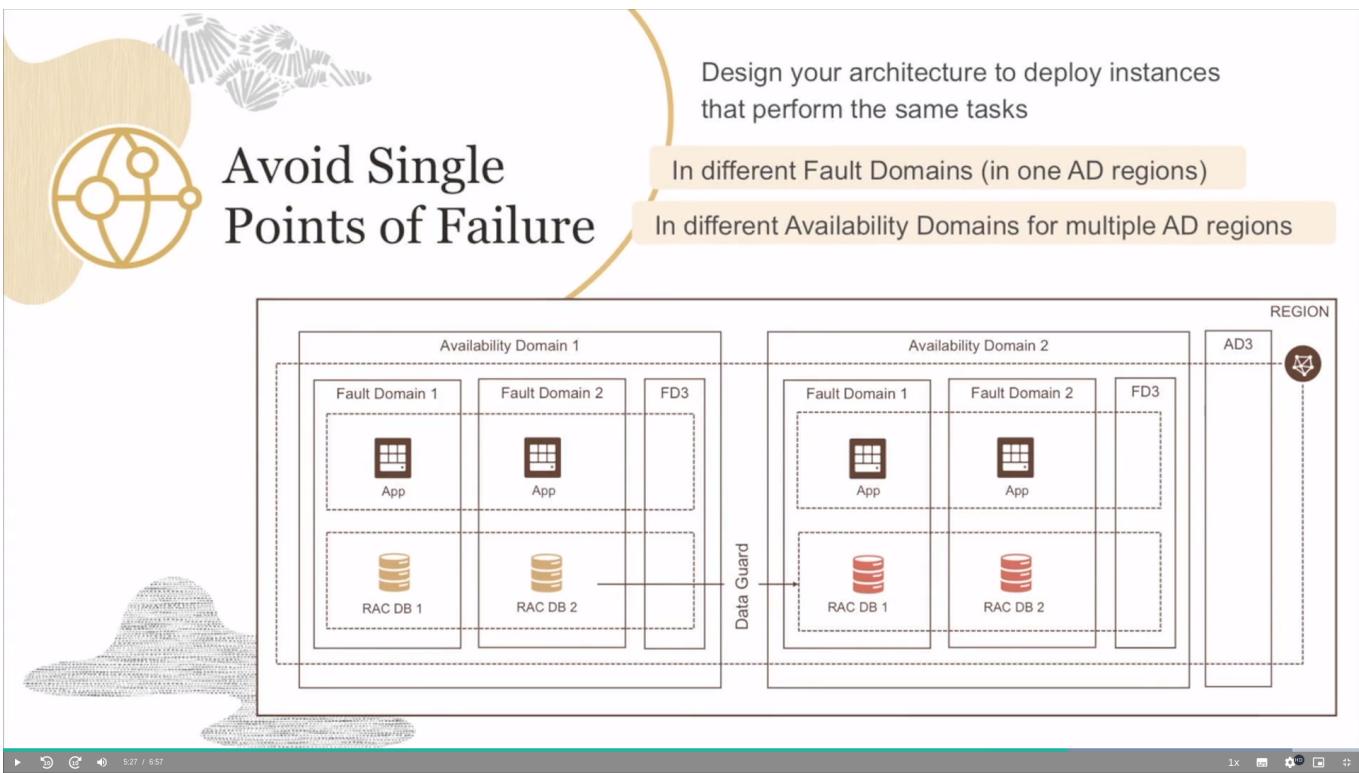
Fault Domains

Each Availability Domain has three Fault Domains (FD).

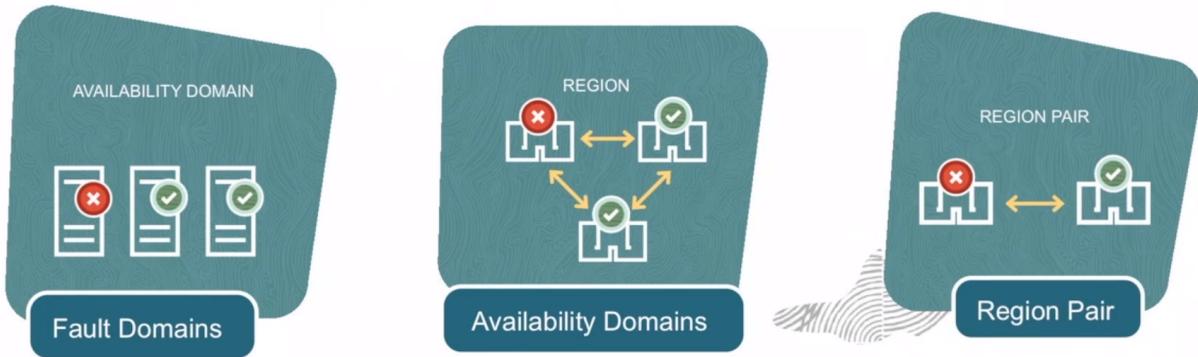
Logical **data center** within an AD

Resources placed in different FDs will not share single points of hardware failure





High Availability Design



6:10 / 6:57

1x

ORACLE University

Oracle Cloud Infrastructure
Distributed Cloud

0:10 / 6:13

1x

This slide is part of an Oracle University presentation on Oracle Cloud Infrastructure. It features a background illustration of a landscape with mountains, clouds, and a tree. The title "Oracle Cloud Infrastructure" and subtitle "Distributed Cloud" are displayed prominently. The Oracle University logo is in the top left. A video player interface at the bottom shows the current time as 6:10 and the total duration as 6:57, with playback controls for volume, full screen, and zoom.



Distributed cloud offers exceptional flexibility and choice



Public cloud

Access cloud services in **41+ global locations** including Commercial, US Government, UK Government, US National Security Regions, and EU Sovereign (2023)



Dedicated cloud

We build a cloud just for you, with all 100+ OCI services running in customer data centers, including **OCI Dedicated Region and Oracle Alloy**



Hybrid cloud

We bring cloud services to you, including **Oracle Exadata Cloud@Customer**, Oracle Roving Edge Infrastructure, OCI Observability and Management, and Oracle Database



Multicloud

Our products work with your other providers, including **Oracle Database Service for Azure**, **Oracle Interconnect for Azure**, and **Oracle MySQL Heatwave on AWS**



Hybrid Cloud Services



Dedicated Region Cloud@Customer



ALL OCI SERVICES,
RUNNING IN CUSTOMER
DATA CENTERS

Oracle Cloud VMware Solution



NATIVE VMWARE ON
OCI IN PUBLIC CLOUD
OR DEDICATED
REGIONS

Autonomous DB on Exadata Cloud@Customer

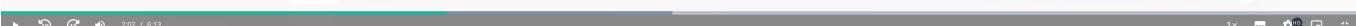


CLOUD AUTONOMOUS
DATABASES, RUNNING
IN YOUR DATA CENTER

Roving Edge Infrastructure

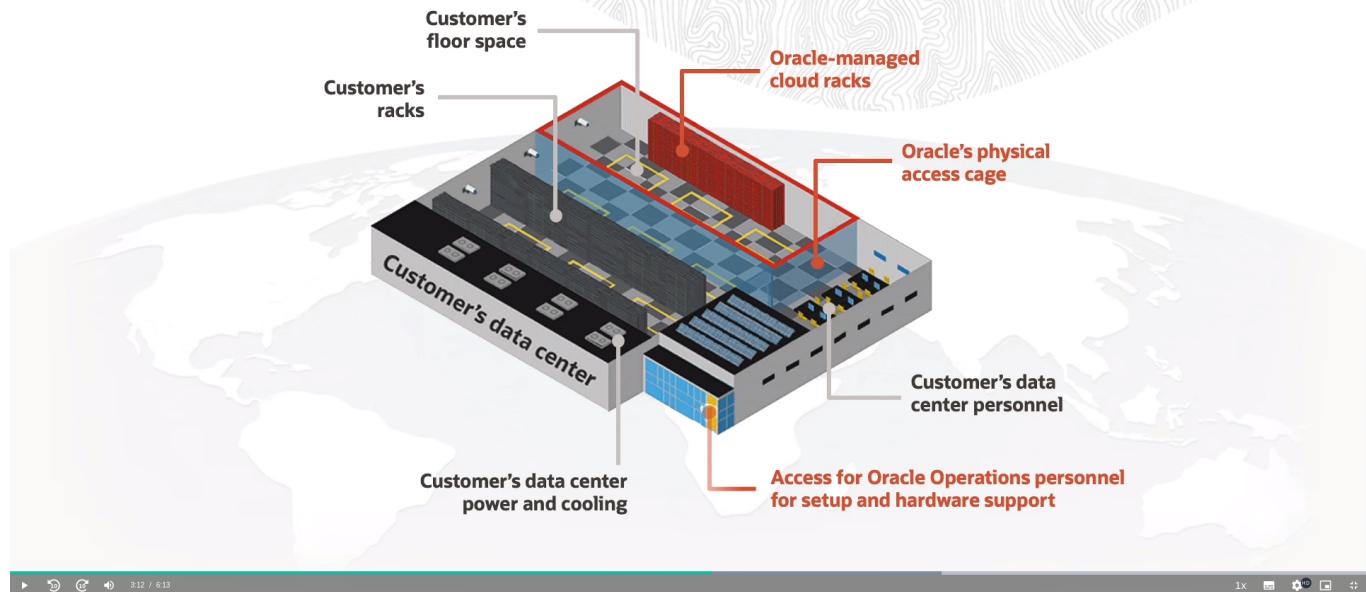


OCI COMPUTE AND
STORAGE FOR REMOTE,
DISCONNECTED SCENARIOS





Dedicated Region Cloud@Customer

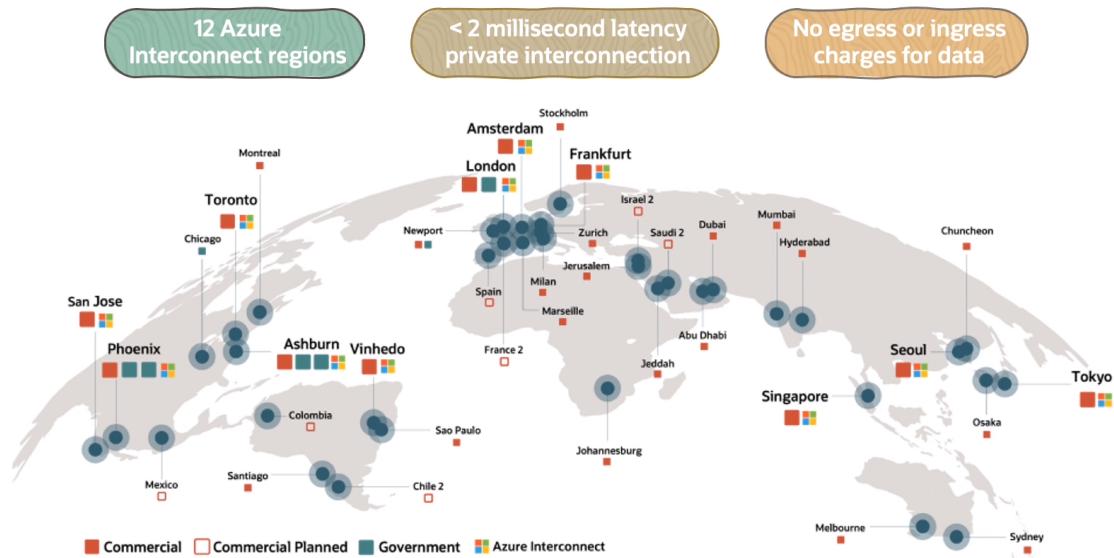


3:12 / 6:13

1x

OCI-Azure Interconnect

Highly optimized, secure, and unified cross-cloud experience



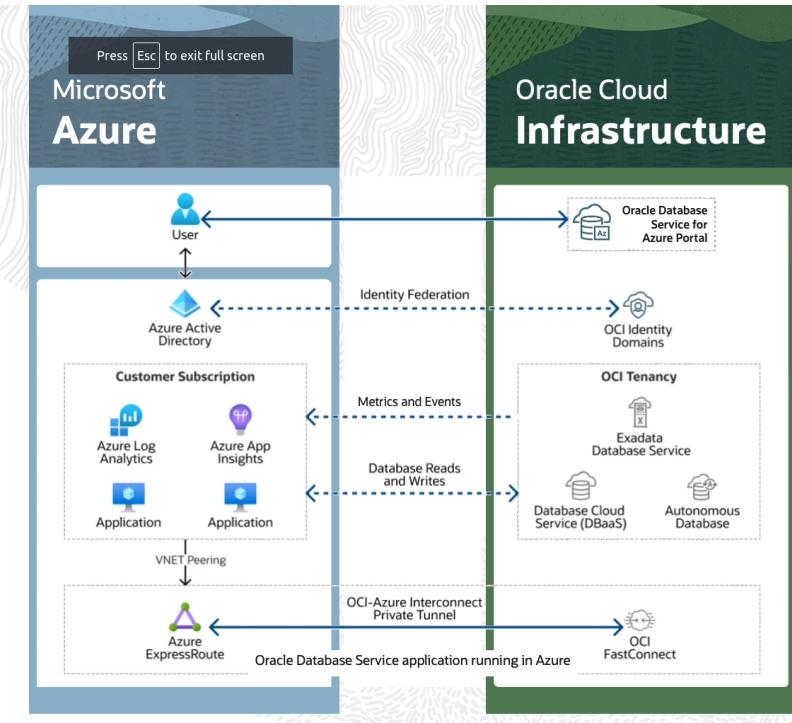
4:20 / 6:13

1x

Oracle Database Service for Azure



- Familiar Azure-native user experience
- Automated identity, networking, and monitoring integration
- < 2 MS latency private interconnect
- No additional cost



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Demo: Console Walkthrough

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- Instances Compute
- Virtual cloud networks Networking

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RECOMMENDED - AI/ML data scientist ([Update](#))

- Instance Configurations Compute
- Overview Identity
- Policies Identity
- Analytics Cloud Analytics
- Autonomous Database Autonomous Database
- Limits, Quotas and Usage Tenancy Management

Your tenancy
ocifoundations8

All services operational View health dashboard

Usage Analyze costs

Subscription 17614210 Pay As You Go

\$21.13

18 of 31 days

Cost savings opportunities Estimated savings: 0

View recommendations (0)

Quickstarts

FEATURED

Predict the result of the next race 25-30 mins

APPLICATION DEVELOPMENT

Deploy a WordPress website 6-8 mins

APPLICATION DEVELOPMENT

Deploy a low-code app on Autonomous Database using APEX 3-5 mins

APPLICATION DEVELOPMENT

Deploy RStudio in a container 10 mins

APPLICATION DEVELOPMENT

Deploy a baseline landing zone 7 mins

DATABASE

Visualize and analyze Strava data on Autonomous Database 10 mins

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All services operational

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Advanced resource query

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25-30 mins

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6-8 mins

APPLICATION DEVELOPMENT Deploy a low-code app on Autonomous Database using APEX
3-5 mins

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APPLICATION DEVELOPMENT Deploy a baseline landing zone

DATABASE Visualize and analyze Strava data on Autonomous Database

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Search resources, services, documentation, and Marketplace

Advanced resource query

Query for running instances

```
query
instance resources
where lifeCycleState = 'RUNNING'
```

You can filter results more specifically with query language. For help constructing queries, see [Search Language Syntax](#).

These results include only supported resource types. For more information about what resources you can find in Search results, see [Supported Resources](#).

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Manage Regions

Infrastructure Regions

Platform Services Regions

Infrastructure Regions

For a complete list of services available by region, see [Data Regions for Platform and Infrastructure Services](#).

Region	Subscription Status
US East (Ashburn) - Home Region Region Identifier: us-ashburn-1	Subscribed
US West (Phoenix) Region Identifier: us-phoenix-1	Subscribed
Australia East (Sydney) Region Identifier: ap-sydney-1	<button>Subscribe</button>
Australia Southeast (Melbourne) Region Identifier: ap-melbourne-1	<button>Subscribe</button>
Brazil East (Sao Paulo) Region Identifier: sa-saopaulo-1	<button>Subscribe</button>
Brazil South East (Vinhedo) Region Identifier: sa-vinhedo-1	<button>Subscribe</button>
Canada Southeast (Montreal) Region Identifier: ca-montreal-1	<button>Subscribe</button>
Canada Southeast (Toronto) Region Identifier: ca-toronto-1	<button>Subscribe</button>
Chile Central (Santiago) Region Identifier: sa-santiago-1	<button>Subscribe</button>

Announcements

Overview

Announcements

Subscriptions

List scope

Compartment

ocifoundations8 (root)

Announcements

Earliest event start date: May 18, 2023 | Earliest event end date: May 19, 2023

Service: Service name | Platform: All

All actions | Required actions | Recommended actions | Scheduled maintenance | Other | Reset

Announcement	Reference ticket number	Service	Event time	Publish time
Resolved	d08fa31e	API Gateway, Bastion, Block Volumes, Compute, Data Catalog, Data Labeling, Data Science, Database Migrations, DNS, Email Delivery, File Storage Service (FSS), Identity and Access Management (IAM), Notifications, Monitoring, Operations Insights, Streaming, Tagging, Data Integration, Networking, Database Cloud Service, Exadata Cloud Service, Console, Container Engine for Kubernetes (OKE), MySQL Database Service, Cloud Guard, Functions, Vulnerability Scanning Service (VSS), Configuration Security Services, Configuration Security Integration Services, Security Zones, Dev-Ops Deploy Service, Flow Logs, Network Monitoring, Object Storage, Logging, Oracle Analytics Cloud	Wed, Mar 29, 2023, 23:31:00 UTC	Fri, Mar 31, 2023, 00:25:25 UTC
		API Gateway, Bastion, Block Volumes, Compute, Data Catalog, Data Labeling, Data Science, Database Migrations, DNS, Email Delivery, File Storage Service (FSS), Identity and Access Management (IAM), Notifications, Monitoring, Operations Insights, Streaming, Tagging, Data Integration, Networking, Database Cloud Service, Exadata	Wed, Mar 29, 2023, 23:31:00 UTC	Fri, Mar 31, 2023, 00:25:25 UTC

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Announcements

Overview Announcements Subscriptions

List scope Compartment ocifoundations8 (root)

Announcements

Earliest event start date: May 18, 2023 Earliest event end date: May 19, 2023

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		API Gateway, Bastion, Block Volumes, Compute, Data Catalog, Data Labeling, Data Science, Database Migrations, DNS, Email Delivery, File Storage Service (FSS), Identity and Access Management (IAM), Notifications, Monitoring, Operations Insights, Streaming, Tagging, Data Integration, Networking, Database Cloud Service, Exadata
		Wed, Mar 29, Fri, Mar 31, 2023

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Cost savings opportunities Estimated savings: 0 View recommendations (0)

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Oracle Cloud Infrastructure

Introduction

Identity and Access Management



What is OCI IAM?



IAM = Identity and Access Management Service

Fine-grained Access Control

Role Based Access Control





What is OCI IAM?

IAM = Identity and Access Management Service

Fine-grained Access Control

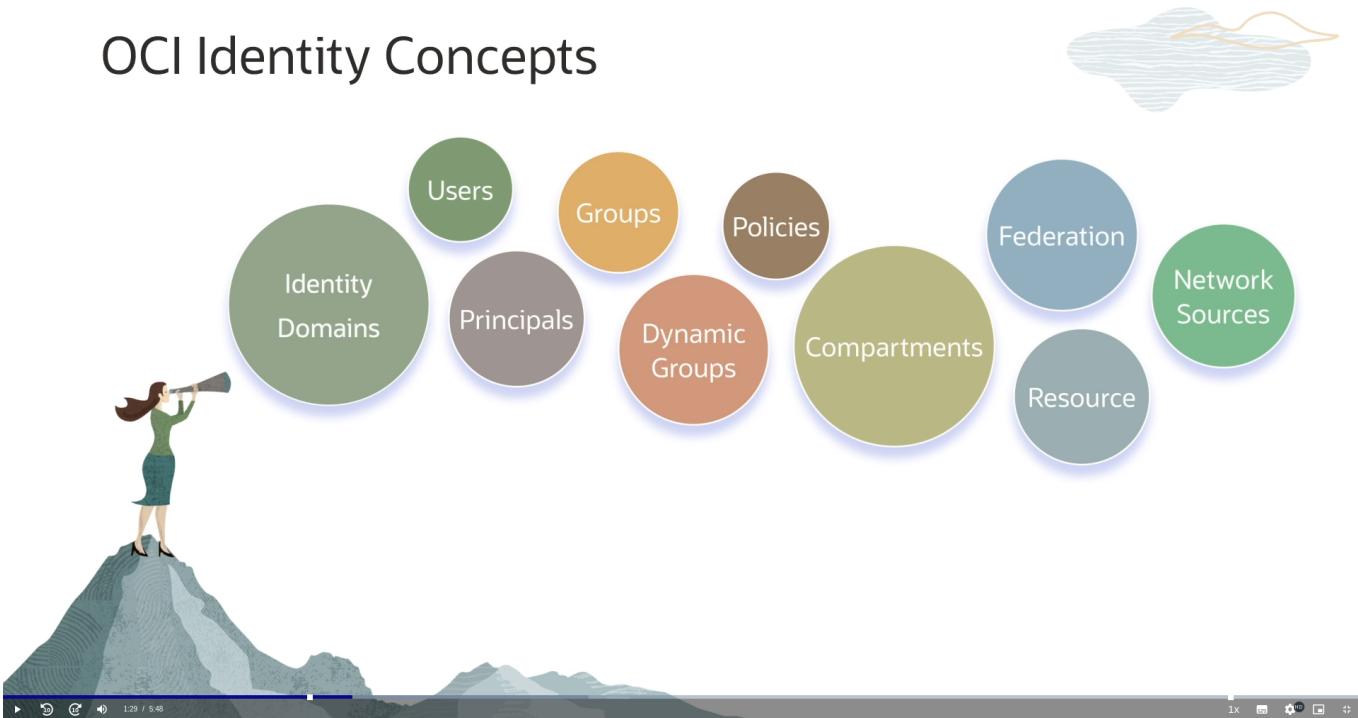
AuthN – Who are you?

AuthZ – What permissions do you have?

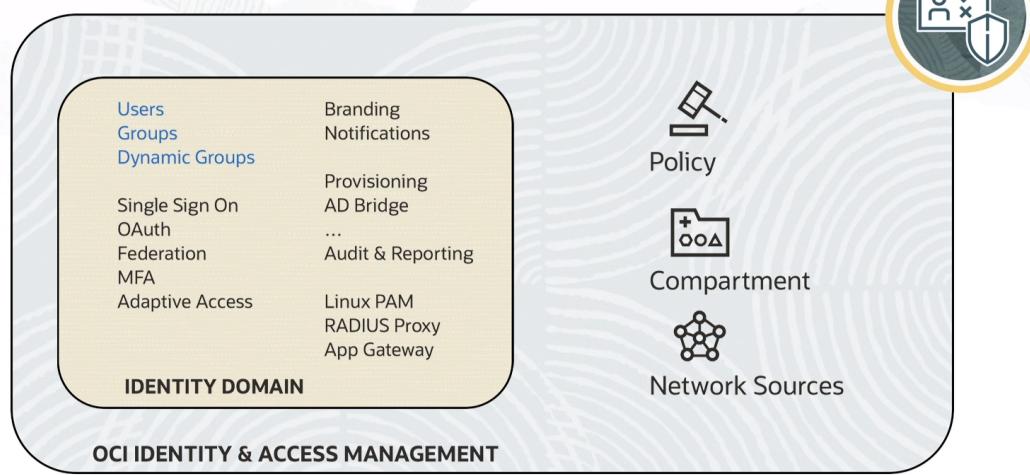
Allows User to be Assigned One or More Pre-Determined Roles

Each Role Comes with a Set of Permissions

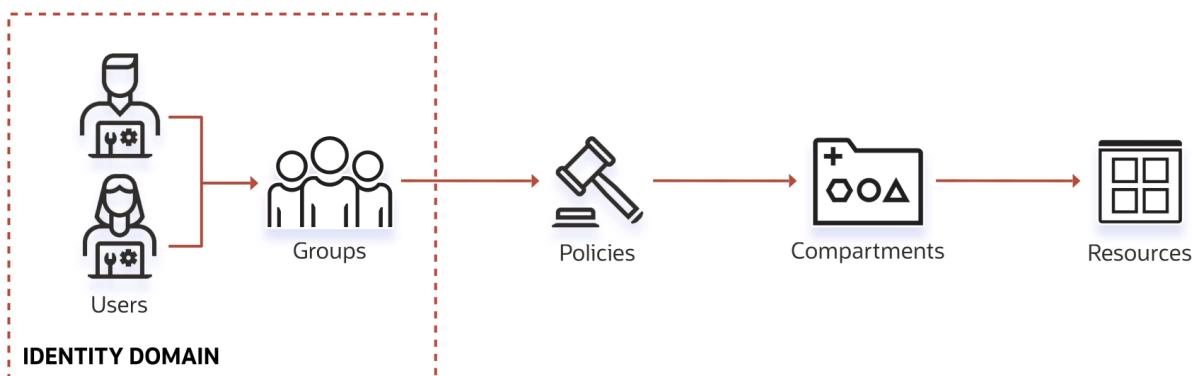
OCI Identity Concepts



Identity Domains



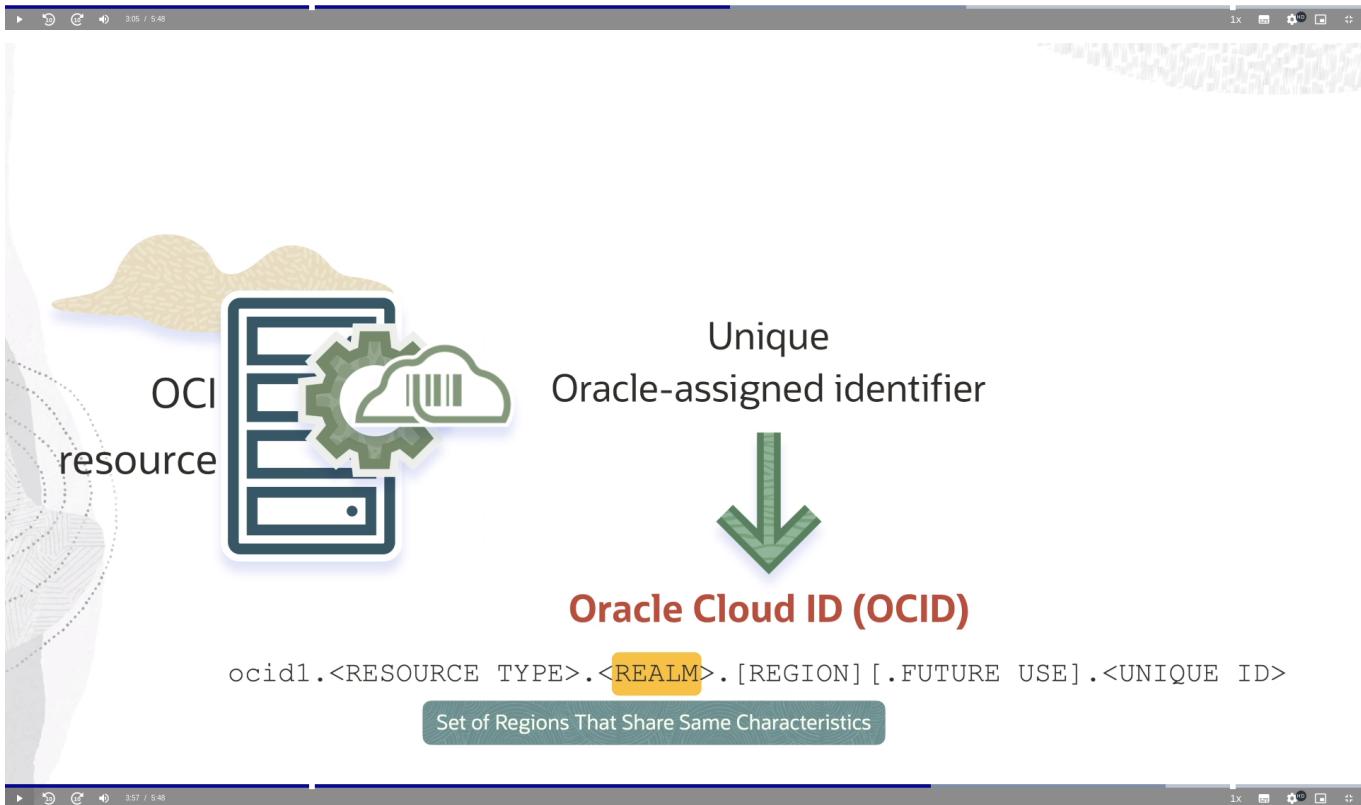
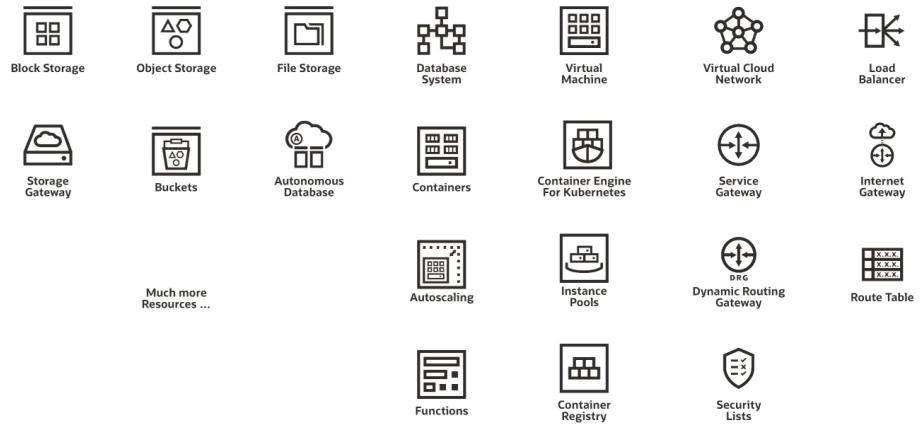
An identity domain represents a user population in OCI and associated configurations and security settings

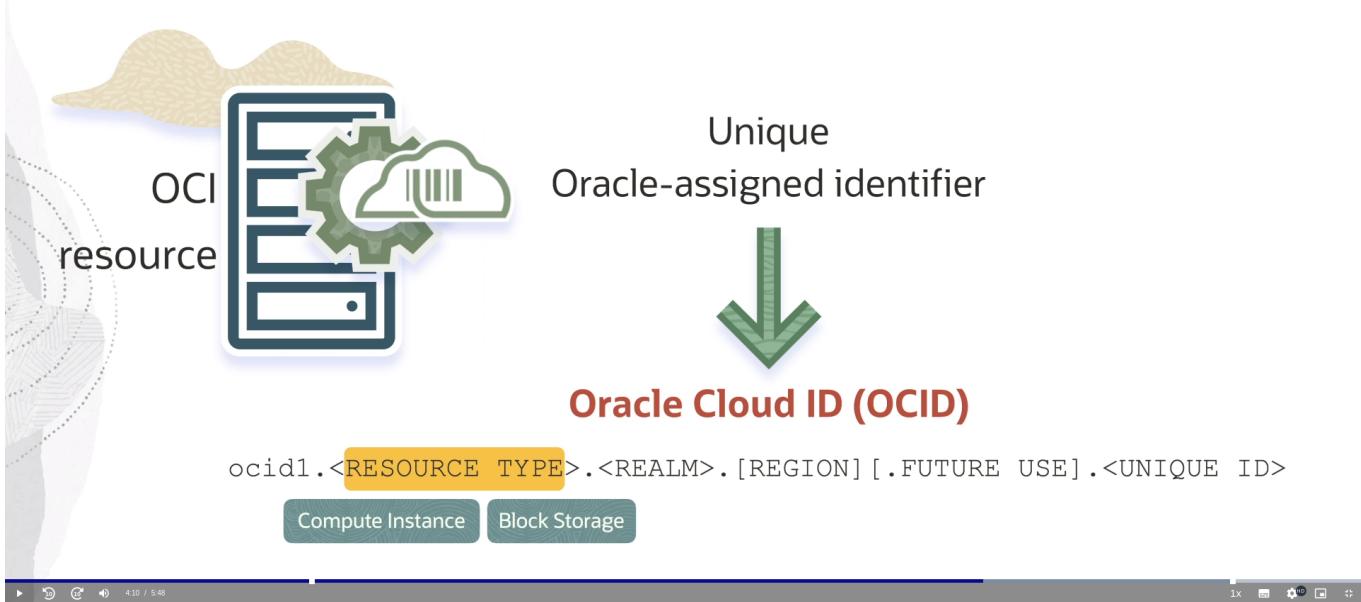
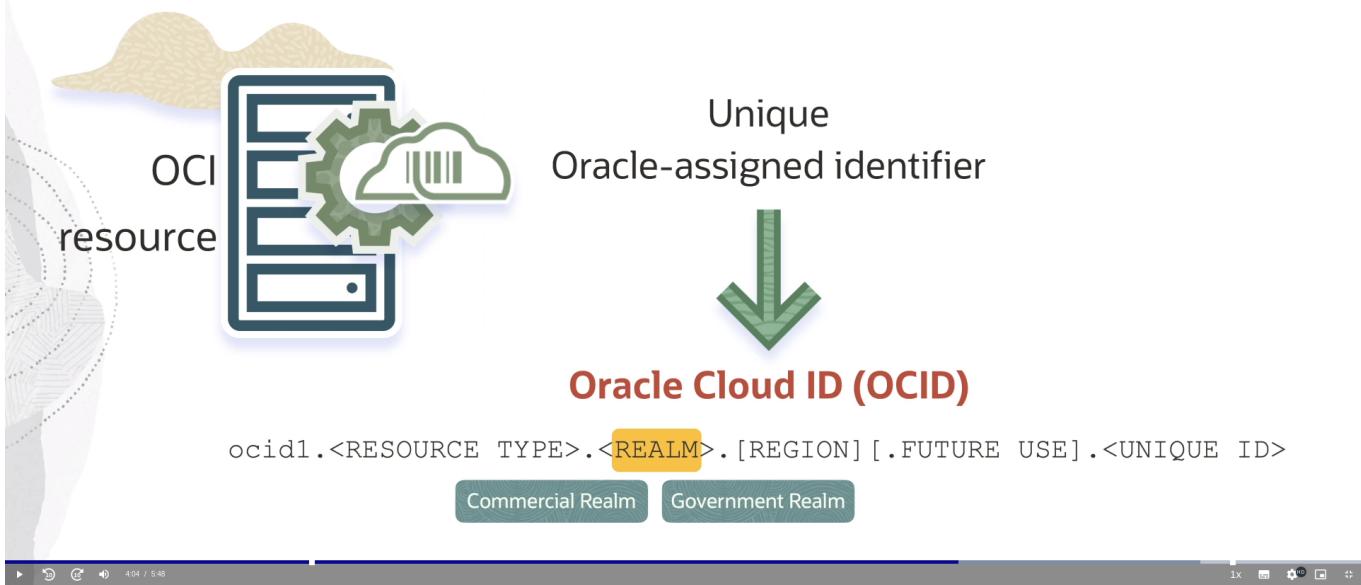


OCI Identity Concepts

Resources

Cloud objects





Example OCIDs



Tenancy

ocid1.tenancy.oc1..aaaaaaaaaa
ba3pv6wkcr4jqaef5f44n2b2m2yt
2j6rx32uzr4h25vqstifsfdsq



Block Volume

ocid1.volume.oc1.eu-
frankfurt-1.abtheljrwbqhmad266kl
jreyhbd4pz3lmcwb4por6yigvx6lmxym
neyevhja



Compartment

Tenancy/ Root Compartment

Collection
of related
resources

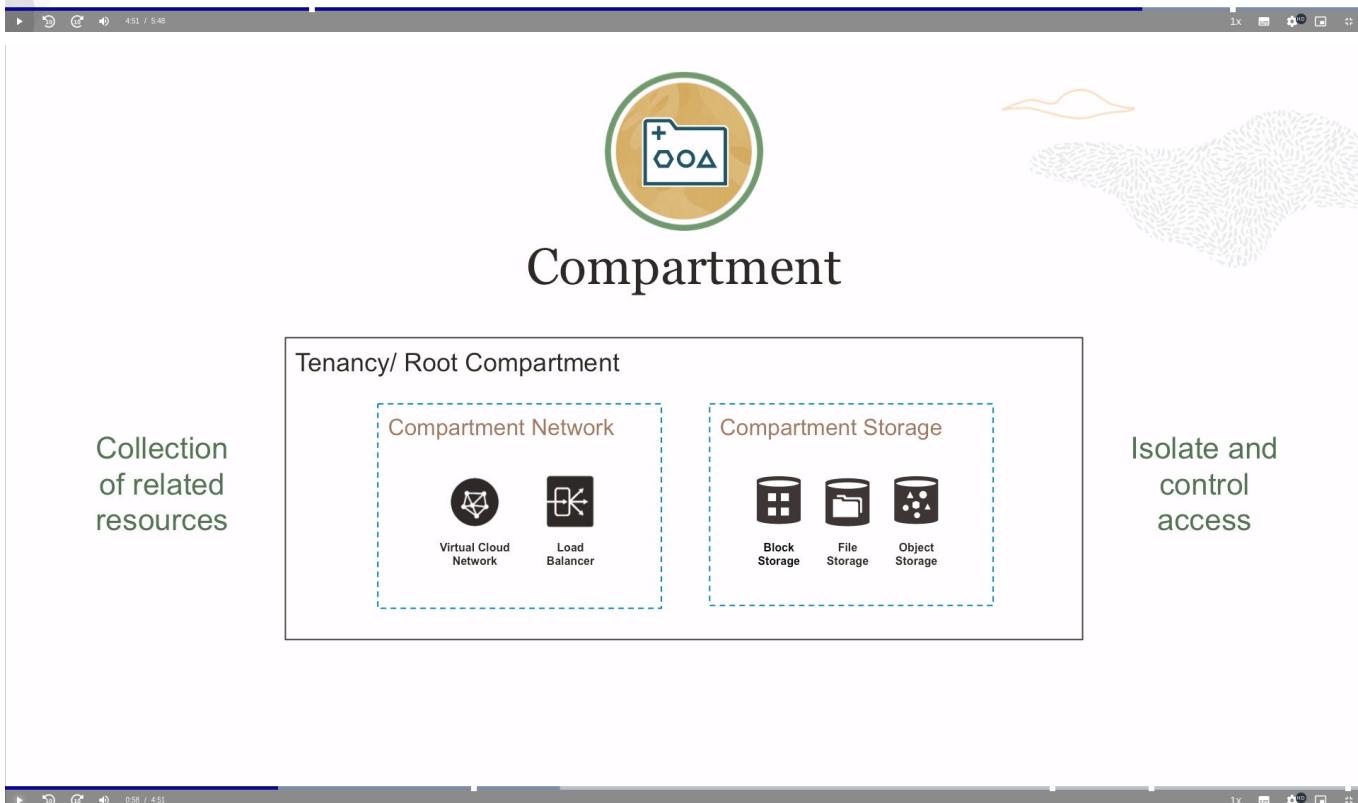
Compartment Network



Compartment Storage



Isolate and
control
access

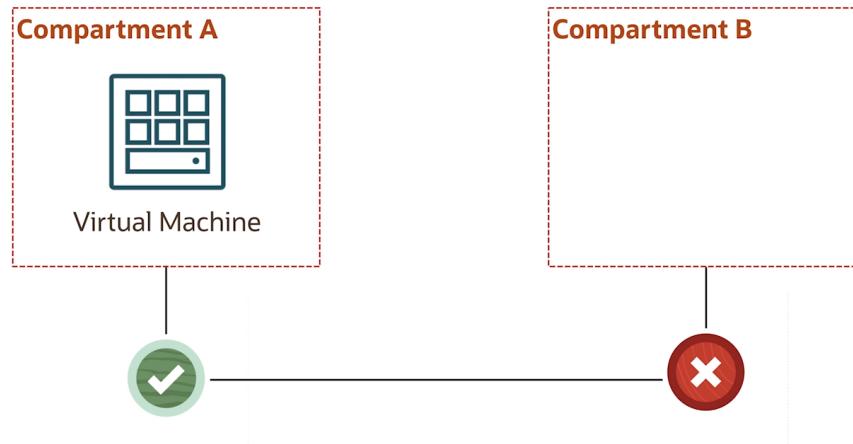




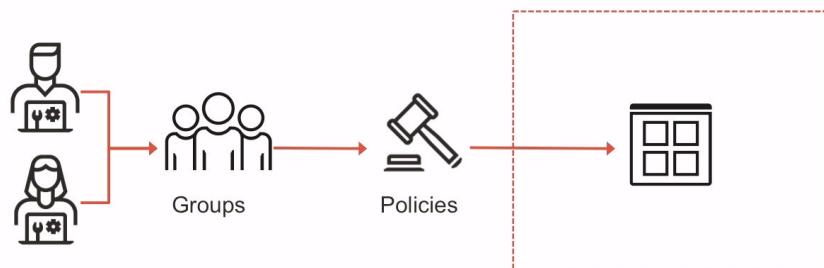
Click Here to take a Quiz

Each resource belongs to a single compartment

Resource Compartments



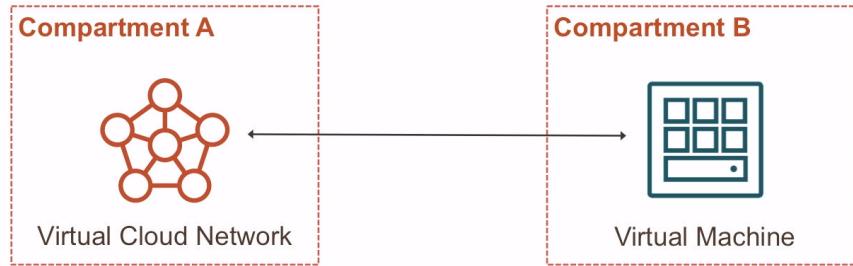
Compartments Access



Groups + Policies = Access to Compartments

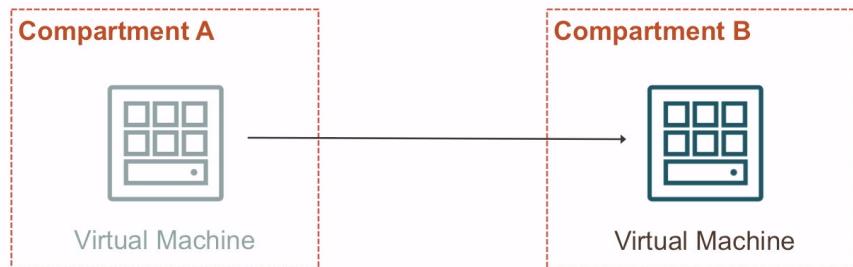
Interaction of Resources

Resources can interact with other resources in different compartments.

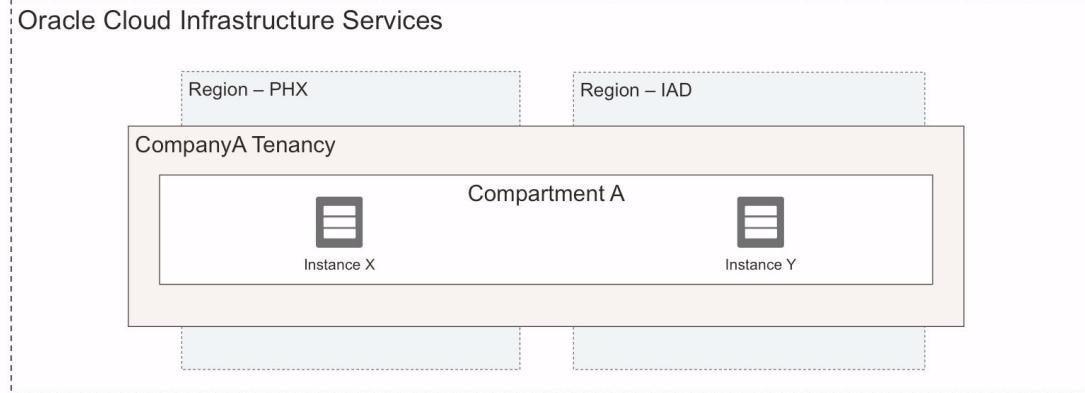


Movement of Resources

Resources can be moved from one compartment to another.

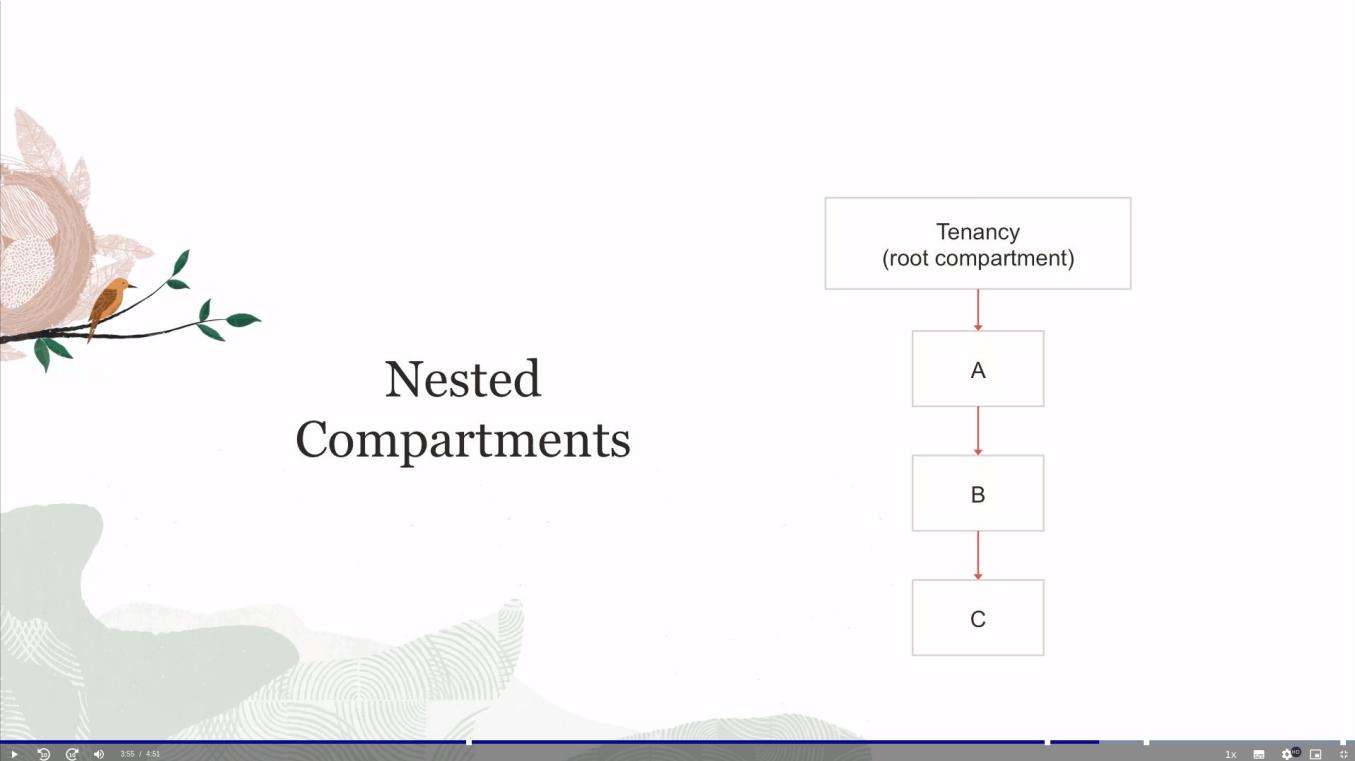


Multiple Regions

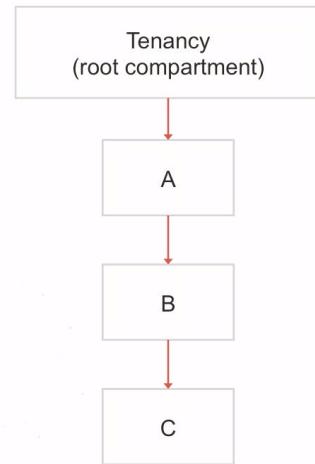


Resources from multiple regions can be in the same compartment.





Nested Compartments



Compartment A



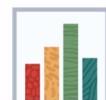
Virtual Machine



Virtual Cloud Network



Load Balancer



Compartment B



Set Quotas and Budgets on Compartments

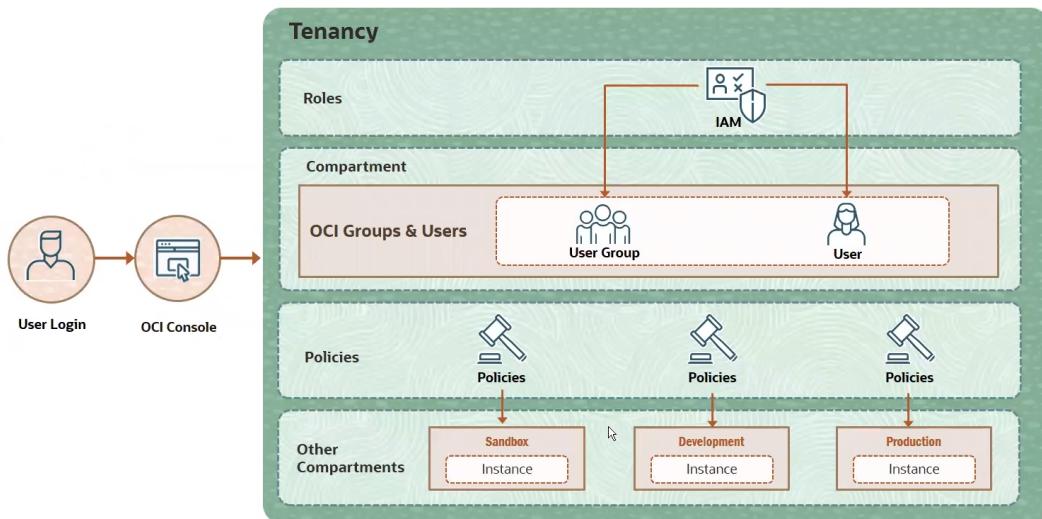
Demo: Compartments & Identity Domains

Identity and Access Management

Rohit Rahi

SENIOR DIRECTOR, OCI GLOBAL DELIVERY
ORACLE UNIVERSITY

Create Compartment and Identity Domain



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Identity & Security

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- Targets
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Identity Compartments

Overview Domains Network Sources Policies Compartments Filters State Active | Deleting Tag filters add | clear no tag filters applied

Create Compartment

Name	Status	OCID	Authorized	Security Zone ⓘ	Subcompartments	Created
ocifoundations8	Active	...vjmvsq	Yes	-	2	-
Development	Active	...wlvxia	Yes	-	1	Tue, Feb 14, 2023, 21:22:50 UTC
ManagedCompartmentForPaaS	Active	...kh3toa	Yes	-	0	Mon, May 16, 2022, 20:46:16 UTC

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ocifoundations8	Active	...vjmvsq	Yes	-	2	-
Development	Active	...wlvxia	Yes	-	1	Tue, Feb 14, 2023, 21:22:50 UTC
ManagedCompartmentForPaaS	Active	...kh3toa	Yes	-	0	Mon, May 16, 2022, 20:46:16 UTC

Showing 3 items < 1 of 1 >

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Cloud Compartments | Oracle Cloud Infrastructure

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Create Compartment

Name: sandbox

Description: sandbox compartment

Security Zone: - (i)

Parent Compartment: ocifoundations8 (root)

Add tags to organize your resources. [What can I do with tagging?](#)

Tag namespace: None (add a free-form tag) Tag key: Tag value: Add tag

Create Compartment Cancel

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https://cloud.oracle.com/identity/compartments/ocid1.compartment.oc1..aaaaaaaaaa3njkfb6cry5jwrmrepheyu4rkiozfq45ljqqq65b24snkjnya?region=us-ashburn-1

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- Autonomous Data Warehouse Autonomous Database
- Limits, Quotas and Usage Tenancy Management
- Overview Resource Manager

Tag Defaults (0)

Filters

No items found.

Showing 0 items < 1 of 1

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Cloud Compartments | Oracle Cloud In

<https://cloud.oracle.com/identity/compartments/ocid1.compartment.oc1.aaaaaaaaac3nkrfb6c7ry5jwrmrepvey4drkiozfq45lijqqqf5h24snkjyra?region=us-ashburn-1>

X ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) ▾ 🔍 ⚡ 🌐 ⓘ

Governance & Administration

Search

- Home
- Compute
- Storage
- Networking
- Oracle Database
- Databases
- Analytics & AI
- Developer Services
- Identity & Security
- Observability & Management
- Hybrid
- Migration & Disaster Recovery
- Billing & Cost Management
- Governance & Administration**
- Marketplace

Account Management

- Tenancy Details
- Announcements
- Region Management
- Tenancy Management**
- Quota Policies
- Limits, Quotas and Usage
- Tag Namespaces
- Domain Management

Cloud Advisor

- Overview
- Recommendations
- Work Requests
- History
- Settings

Tenancy Management

- Tenancy Details
- Quota Policies
- Limits, Quotas and Usage
- Tag Namespaces
- Domain Management

Support

- Support Center
- Request Service Limit Updates

Organization Management

- Overview
- Tenancies
- Invitations
- Subscription Mapping
- Governance Rules
- Product Licenses
- Notifications

Related services

- Identity
- Operations Insights
- Compliance
- Audit

Help

- Getting Started on OCI
- Identity and Access Management
- Cloud Advisor Documentation
- Tagging
- More Resources

No items found.

Showing 0 items < 1 of 1 >

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Tenancy Management | Oracle Cloud

<https://cloud.oracle.com/identity/compartments/explorer?region=us-ashburn-1>

X ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) ▾ 🔍 ⚡ 🌐 ⓘ

Tenancy Explorer

Name: [ocifoundations8 \(root\)](#)
Description: ocifoundations8

Don't see what you're looking for? These results include only resources supported by [Search](#). Updates made to resources might not immediately appear in your results. [Learn More](#)

Filter by resource type

App (82)

- CloudGuardDetectorRecipe (3)
- CloudGuardManagedList (1)
- CloudGuardResponderRecipe (1)
- CloudGuardTarget (1)
- Compartment (2)
- CustomerDnsZone (1)
- DHCPOptions (1)
- MobileServiceAuto (1)
- AUTOBLOCKCHAINApp-98a4a7a519854168a25a95e0203 (1)
- c_MOBILESERVICEAUTO_APPID (1)
- MobileServiceAuto (1)
- AUTOBLOCKCHAINApp-40716_OBCS_APPID (1)

Show resources in subcompartments

Search compartments

ocifoundations8 (root)

- Development
- ManagedCompartmentForPaaS
- Sandbox

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Tenancy Explorer | Oracle Cloud

https://cloud.oracle.com/identity/compartments/explorer?compartmentId=ocid1.compartment.oc1..aaaaaaaaauiuppchcz3irchi7hly7chldovged37m5kov7zhvqexm4mmrka®ion=us-ashburn-1

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Search

Identity & Security

Home Compute Storage Networking Oracle Database Databases Analytics & AI Developer Services **Identity & Security** Observability & Management Hybrid Migration & Disaster Recovery Billing & Cost Management Governance & Administration Marketplace

Identity Overview Domains Network Sources Policies Compartments Cloud Guard Overview Problems Recommendations Threat monitoring Targets Responder activity Detector recipes Responder recipes Managed lists Data masking Settings

Security Zones Overview Recipes Security Advisor Threat Intelligence Overview Threat Indicator Database Firewalls Network Firewalls Network Firewall Policies Web Application Firewall Policies Network Address Lists Edge Policy Resources Certificates Overview

Scanning Vulnerability Reports Scanning Reports Targets Scan Recipes Vault

Related services Virtual cloud networks Private Endpoints Load balancers Logging OS Management Data Safe - Database Security Help Security Overview Security Services and Features Security Testing Policy Security Best Practices Government Cloud Services All Security Documentation Identity and Access Management

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Tenancy Explorer | Oracle Cloud

https://cloud.oracle.com/identity/compartments/explorer?compartmentId=ocid1.compartment.oc1..aaaaaaaaauiuppchcz3irchi7hly7chldovged37m5kov7zhvqexm4mmrka®ion=us-ashburn-1

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Search

Identity & Security

Home Compute Storage Networking Oracle Database Databases Analytics & AI Developer Services **Identity & Security** Observability & Management Hybrid Migration & Disaster Recovery Billing & Cost Management Governance & Administration Marketplace

Identity Overview Domains Network Sources Policies Compartments Cloud Guard Overview Problems Recommendations Threat monitoring Targets Responder activity Detector recipes Responder recipes Managed lists Data masking Settings

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Scanning Vulnerability Reports Scanning Reports Targets Scan Recipes Vault

Related services Virtual cloud networks Private Endpoints Load balancers Logging OS Management Data Safe - Database Security Help Security Overview Security Services and Features Security Testing Policy Security Best Practices Government Cloud Services All Security Documentation Identity and Access Management

Press P to pin link

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Domains | Oracle Cloud Infrastructure

https://cloud.oracle.com/identity/domains/?tenant=ocifoundations8&domain=Default®ion=us-ashburn-1

Press Esc to exit full screen

US East (Ashburn) ▾

Create domain

Display name: sandbox-domain

Description: domain for sandbox

Domain type

- Free**: Authentication and Access Management for Oracle Cloud (IaaS and PaaS services) with limits on usage and functionality.
 - Limit of 2000 users.
 - Limited feature support.
 - Limit of 2 non-Oracle apps.
 - Limit of 3 external Identity Providers.
- Oracle Apps Premium**: Authentication and Access Management for all of your Oracle apps.
 - Unlimited support for Oracle Apps including hybrid IAM.
 - Limit of 6 non-Oracle apps.
 - Unlimited external Identity Providers.
- Premium**: Enterprise Identity & Access Management for employee workforce scenarios.
 - Includes all features.
 - Broad support for hybrid IAM use-cases.
 - Unlimited support for Oracle and non-Oracle Apps.
 - Unlimited external Identity Providers.

External User: Identity storage, Access Management, and API security for consumer and non-employee use-cases.

- Provides social logon, self-service, and consent management.
- Limited enterprise and hybrid IAM features.

Create domain **Cancel**

Domains

Choose a compartment

Create compartments to organize your resources.

View and manage your resources: choose a compartment and resource type using the filter

Identity

Domains

Overview

Domains

Network Sources

Policies

Compartments

List scope

Compartment

Search compartments: ocifoundations8 (root)

Tag filters: add | clear

no tag filters applied

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Domains | Oracle Cloud Infrastructure

https://cloud.oracle.com/identity/domains/?tenant=ocifoundations8&domain=Default®ion=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) ☰ 🔍 ⚡ 🌐 ⓘ

Identity Domains in ocifoundations8 (root) Compartment

Overview Domains Network Sources Policies Compartments

Create domain

Name	Domain type	Status	Users	Groups
Default	Free	● Active	6	4
sandboxdomain	Free	● Active	0	2

Showing 2 domains < Page 1 >

List scope

Compartment ocifoundations8 (root)

Tag filters add | clear

no tag filters applied

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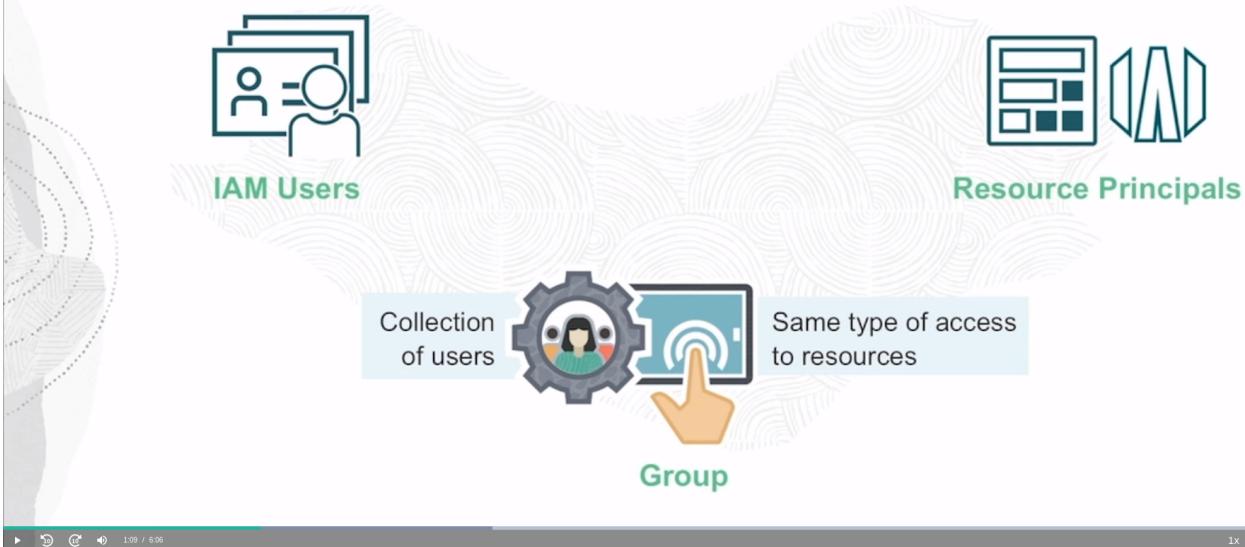
Cloud

Oracle Cloud Infrastructure
AuthN
AuthZ

0:11 / 6:06

Principals

IAM entities that are allowed to interact with OCI resources



AuthN

IAM authentication

Identity > Users > User Details

Username1

IAM User, Authenticated by Password

ACTIVE

Edit User Create/Reset Password Enable Multi-Factor Authentication Edit User Capabilities More Actions ▾

User Information Tags

OCI ID: 3ac27q Show Copy
Created: Thu, Oct 8, 2020, 20:28:45 UTC
Multi-factor authentication: Disabled
Email: -

Federated: No
My Oracle Support account: -

Capabilities

Local password: Yes
API keys: Yes
Auth tokens: Yes

SMTP credentials: Yes
Customer secret keys: Yes



AuthN

API Signing Key

Using OCI API + SDK/CLI

RSA key pair (PEM)

Add Public Key

Note: Public Keys must be in the PEM format.

PUBLIC KEY

```
-----BEGIN RSA PUBLIC KEY-----
MIIBIjECAQEAxV5d/1Iz7iz/v07Hm3q+xdXtv6oPw4f4D60d4gRYV5Uy
K/nmmfL63Txk7ng5Jqv96rl4jra1wTm50vxBuy3R+cSz4kIcc6o/m1gMYL1uz2
zsRukpxjxVBQC:ahsVpVJldvAqVbkeLXd9p9e/Mrcge+AkS1Cmnl+SHl/gPh8j1H
ZD1KpxTd6PQkh2Hrht8cozq9SKxTv9G1619ADCoyx9SSxv8enVss6xNhj
Kndal1mo32ky5qjcpr4JBjg3Asx+nLG3vWMDjTHfoAGw5601hTAX9L39u670ff
jEvn/jEQqlnf0dsF0GaeReB0L94AE8uvQIDAQAB
-----END RSA PUBLIC KEY-----
```

Add



Oracle-generated
token strings

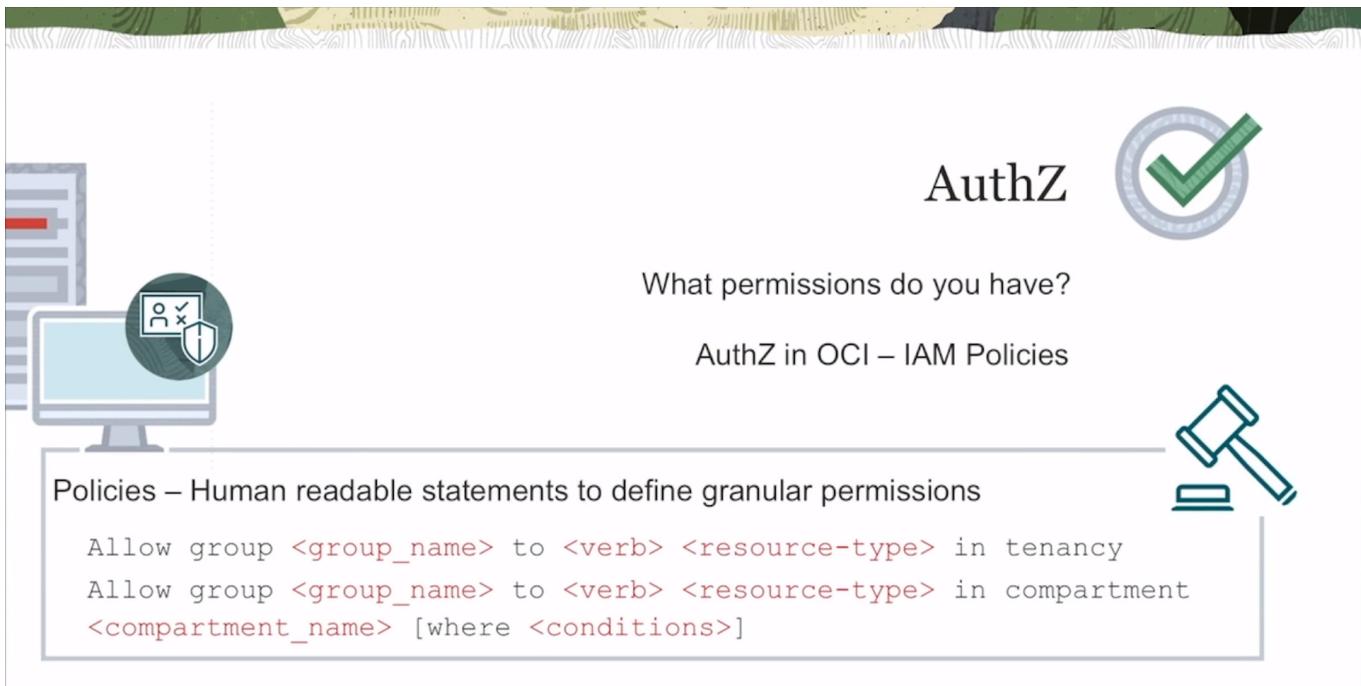
Authenticate third
party APIs

AuthN

Auth Tokens

```
begin
    DBMS_CLOUD.create_credential (
        credential_name => 'OBJ_STORE_CRED',
        username => '<userXX>',
        password => '<your Auth Token>'
    );
end;
/
```





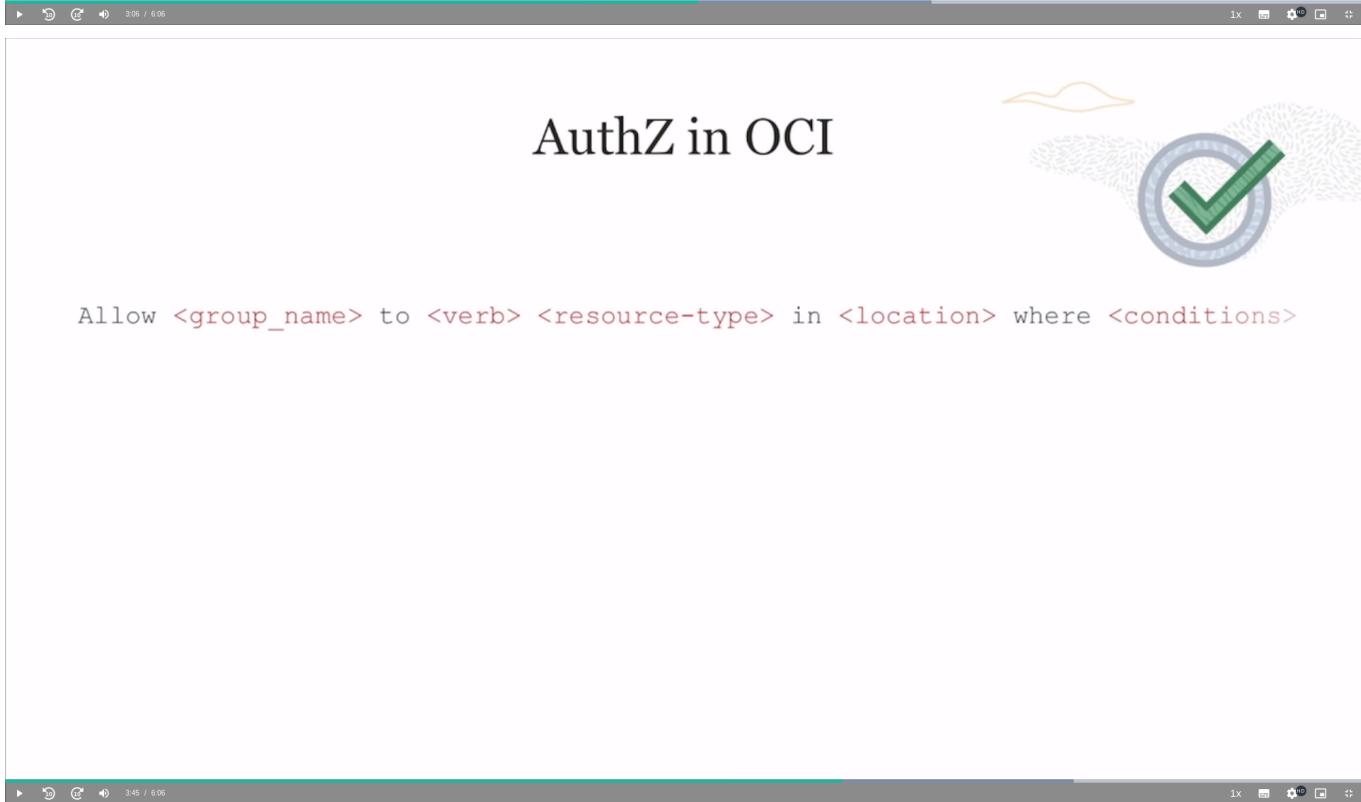
AuthZ

What permissions do you have?

AuthZ in OCI – IAM Policies

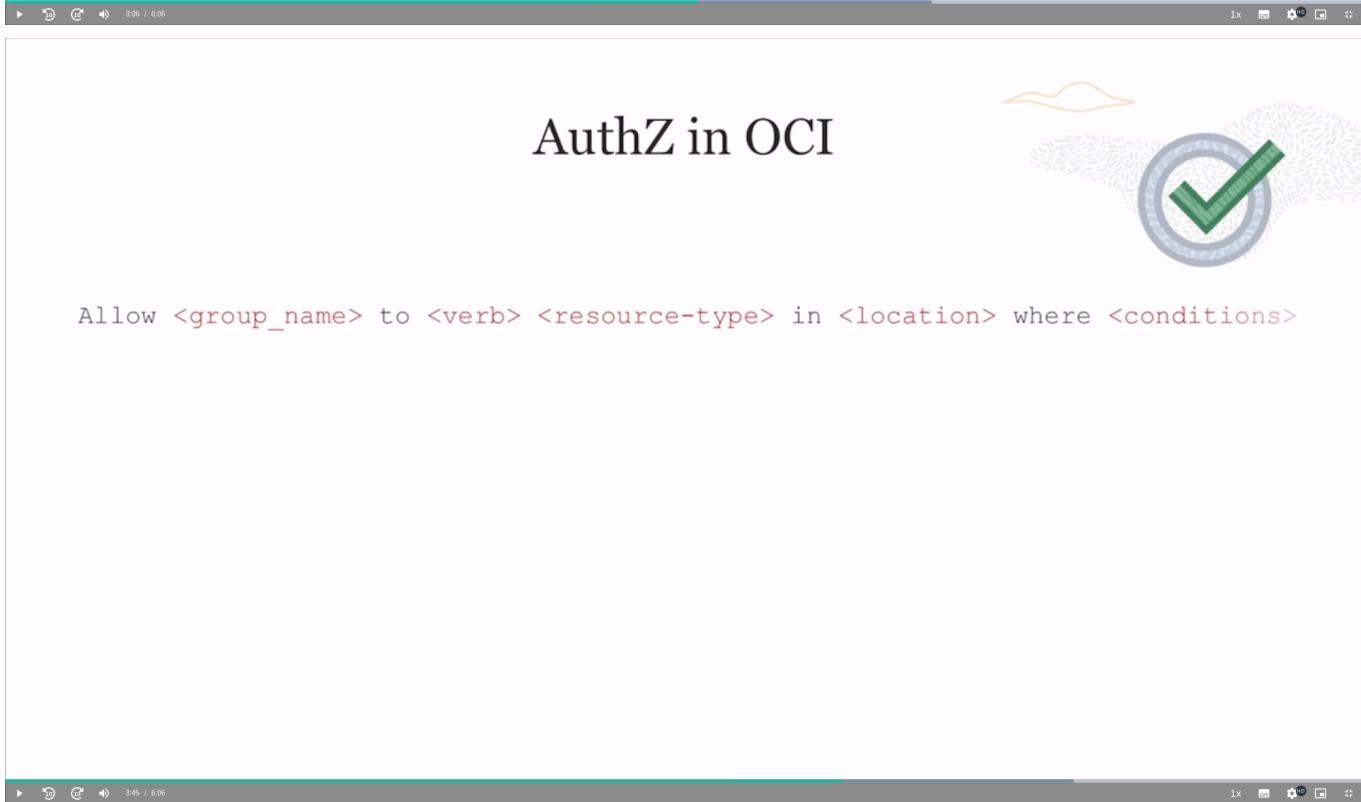
Policies – Human readable statements to define granular permissions

Allow group <group_name> to <verb> <resource-type> in tenancy
Allow group <group_name> to <verb> <resource-type> in compartment <compartment_name> [where <conditions>]



AuthZ in OCI

Allow <group_name> to <verb> <resource-type> in <location> where <conditions>



Verbs

- Manage
- Use
- Read
- Inspect

AuthZ in OCI

Allow <group_name> to <verb> <resource-type> in <location> where <conditions>

Verb	Type of access	Target User	Aggregate resource-type	Individual resource type
manage	All permissions for the resource	Administrators		
use	read + the actions vary by resource type*	Resource end users		
read	inspect + user-specified metadata	Internal auditors		
inspect	Ability to list resources	Third-party auditors		

AuthZ in OCI



Allow <group_name> to <verb> <resource-type> in <location> where <conditions>

Verb	Type of access	Target User	Aggregate resource-type	Individual resource type
manage	All permissions for the resource	Administrators	all-resources	
use	read + the actions vary by resource type*	Resource end users	database-family	db-systems, db-nodes, db-homes, databases
read	inspect + user-specified metadata	Internal auditors	instance-family	instances, instance-images, volume-attachments, console-histories
inspect	Ability to list resources	Third-party auditors	object-family	buckets, objects
			virtual-network-family	vcn, subnet, route-tables, security-lists, dhcp-options, and many more resources
			volume-family	Volumes, volume-attachments, volume-backups

The video player interface shows a man with glasses and a white t-shirt speaking. He is gesturing with his hands while talking. To his left is a white Oracle mug. The video player has a progress bar at the bottom left indicating 6:00 / 6:06. On the right side of the video frame, there is text overlay:

Authentication in OCI
User name / Password
API Signing Keys
Authentication tokens

Authorization in OCI
Policies

The video player also has standard controls like play/pause, volume, and zoom at the bottom right.

Demo: AuthN and AuthZ

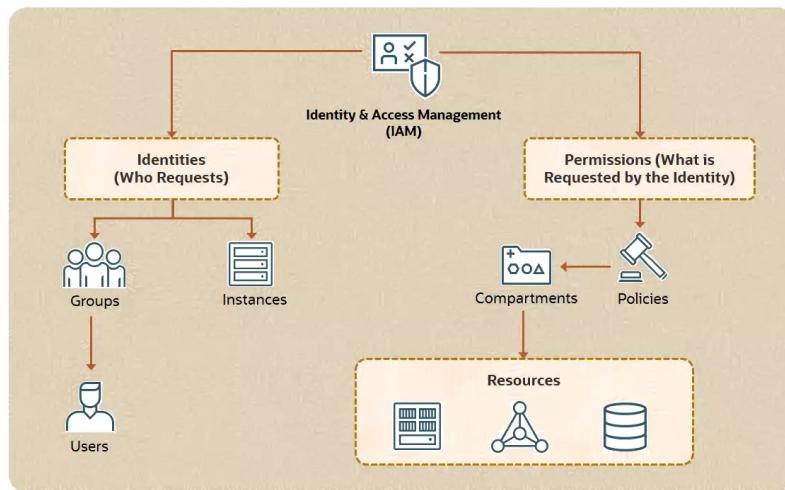
Identity and Access Management

Rohit Rahi

SENIOR DIRECTOR, OCI GLOBAL DELIVERY
ORACLE UNIVERSITY

Screenshot captured
You can paste the image from the clipboard.

Create User, Group, and Policies



Home | Oracle Cloud Infrastructure x +

https://cloud.oracle.com/?region=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) v cx ? ! ? globe user

Home

Pinned

- Instances Compute
- Virtual cloud networks Networking

Recently visited

- Domains Identity
- Tenancy Explorer Tenancy Management
- Compartments Identity
- Network visualizer Network Command Center
- Overview Security Zones
- Object Storage & Archive Storage Storage

Recommended

- Policies Identity
- Instance Configurations Compute
- Autonomous Data Warehouse Autonomous Database
- Dedicated Virtual Machine Hosts Compute
- DB Systems MySQL
- Analytics Cloud Analytics

Press P to pin link

APPLICATION DEVELOPMENT Deploy RStudio in a container

APPLICATION DEVELOPMENT Deploy a baseline landing zone

DATABASE Visualize and analyze Strava data on Autonomous Database

Install now

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Identity & Security

Identity

- Overview
- Domains
- Network Sources
- Policies
- Compartments

Security Zones

- Overview
- Recipes

Scanning

- Vulnerability Reports
- Scanning Reports
- Targets
- Scan Recipes

Related services

- Virtual cloud networks
- Private Endpoints
- Load balancers
- Logging
- OS Management
- Data Safe - Database Security

Cloud Guard

- Overview
- Problems
- Recommendations
- Threat monitoring
- Targets
- Responder activity
- Detector recipes
- Responder recipes
- Managed lists
- Data masking
- Settings

Threat Intelligence

- Overview
- Threat Indicator Database

Firewalls

- Network Firewalls
- Network Firewall Policies

Web Application Firewall

- Policies
- Network Address Lists
- Edge Policy Resources

Certificates

- Overview

Help

- Security Overview
- Security Services and Features
- Security Testing Policy
- Security Best Practices
- Government Cloud Services
- All Security Documentation
- Identity and Access Management

APPLICATION DEVELOPMENT Deploy RStudio in a container

APPLICATION DEVELOPMENT Deploy a baseline landing zone

DATABASE Visualize and analyze Strava data on Autonomous Database

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Domains | Oracle Cloud Infrastructure

https://cloud.oracle.com/identity/domains/ocid1.domain.oc1.aaaaaaaaabj5uml4iec5pc6wje7n2z6mced4nugku7h2dathuopbxsmqu6kq/users?tenant=ocifoundations&domain=Default®ion=us-ashburn-1

US East (Ashburn) ▾ 🔍 🌐 ⚙️ ? 🌐 🌐

Identity domain

Users in sandbox-domain Domain

Search by user name, first name, last name, or email address

Create user More actions ▾

<input type="checkbox"/>	Username	Status	Email	Last access	Created
No items found.					

0 selected Showing 0 items < Page 1 >

Tag filters add | clear

no tag filters applied

Help

Domains | Oracle Cloud Infrastructure

https://cloud.oracle.com/identity/domains/ocid1.domain.oc1.aaaaaaaaabj5uml4iec5pc6wje7n2z6mced4nugku7h2dathuopbxsmqu6kq/users?tenant=ocifoundations&domain=Default®ion=us-ashburn-1

US East (Ashburn) ▾ 🔍 🌐 ⚙️ ? 🌐 🌐

Identity domain

Create user

oci

Last name admin

Username ociadmin

Email

Use the email address as the username

Groups *Optional*

Select groups to assign this user to.

Search...

<input type="checkbox"/>	Name	Description
<input type="checkbox"/>	Domain_Administrators	Domain Administrators
<input type="checkbox"/>	All_Domain_Users	A group representing all users.

0 selected Showing 2 groups < Page 1 >

Create Cancel

Tags add | clear

no tag filters applied

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Domains | Oracle Cloud Infrastructure

https://cloud.oracle.com/identity/domains/ocid1.domain.oc1.aaaaaaaaabj5umil4iec5pc6wje7n2z6mced4nugku7h2dathuopbxsmqu6kq/groups?tenant=ocifoundations&domain=Default®ion=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) ▾

Identity > Domains > sandbox-domain domain > Groups

Identity domain

Overview Users Groups Dynamic groups Applications Oracle Cloud Services Jobs Reports Security Settings

Tag filters add | clear

Search by group name or description.

Create group More actions ▾

	Name	Description	Created
Loading...			

0 selected No group to display < Page 1 >

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Domains | Oracle Cloud Infrastructure

https://cloud.oracle.com/identity/domains/ocid1.domain.oc1.aaaaaaaaabj5umil4iec5pc6wje7n2z6mced4nugku7h2dathuopbxsmqu6kq/groups?tenant=ocifoundations&domain=Default®ion=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) ▾

Identity > Domains > sandbox-domain domain > Groups

Identity domain

Groups in sandbox

Overview Users Groups Dynamic groups Applications Oracle Cloud Services Jobs Reports Security Settings

Tag filters add | clear

Search by group name or description.

Create group More actions ▾

Name

Description

User can request access

Users Optional Select users to assign this group.

Search by user name, first name, last name, or email address

	First name	Last name	Email
<input type="checkbox"/>	oci	admin	[REDACTED]

0 selected Showing 1 user < Page 1 >

Show advanced options

Create Cancel

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Domains | Oracle Cloud Infrastructure

https://cloud.oracle.com/identity/domains/ocid1.domain.oc1.aaaaaaaaahj5uml4iec5pc6wje7n2z6mced4nugku7h2dathuopbvsrnqufkg/groups?tenant=ocifoundations&domain=Default®ion=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) Help

Identity > Domains > sandbox-domain domain > Groups

Identity domain Groups in sandbox

Overview Users Groups Dynamic groups Applications Oracle Cloud Services Jobs Reports Security Settings Tag filters add | clear no tag filters applied

Groups in sandbox

Search by group name or ID

Create group More actions

Name: oci-admin-group

Description: Group for OCI admins

User can request access

Users (Optional) Select users to assign this group.

Search by user name, first name, last name, or email address

First name: oci Last name: admin Email: [redacted]

1 selected Showing 1 user < Page 1 >

Show advanced options

Create Cancel

This screenshot shows the Oracle Cloud Infrastructure Identity service interface. On the left, there's a sidebar with navigation links like Overview, Users, Groups, Dynamic groups, Applications, Oracle Cloud Services, Jobs, Reports, Security, and Settings. The 'Groups' link is currently selected. The main area is titled 'Groups in sandbox'. It shows a table with one row: 'All Domain Users' (checkbox checked, 'Name' column shows 'oci', 'Last name' column shows 'admin', 'Email' column is redacted). Below the table, it says '1 selected' and 'Showing 1 user < Page 1 >'. At the bottom of the page, there are 'Create' and 'Cancel' buttons. The URL in the browser is https://cloud.oracle.com/identity/domains/ocid1.domain.oc1.aaaaaaaaahj5uml4iec5pc6wje7n2z6mced4nugku7h2dathuopbvsrnqufkg/groups?tenant=ocifoundations&domain=Default®ion=us-ashburn-1.

Domains | Oracle Cloud Infrastructure | Welcome to domain sandbox-domain | Cloud Sign In

https://idcs-91bac8dc341249ffbe00c7322866a04e.identity.oraclecloud.com/ui/v1/resetpwd?token=dzOjU6wxHxIAp0WRENu%28AMSReh75m0RkEKzbYTVg5dQ%3D

Cloud Infrastructure

ORACLE Cloud
ocifoundations
ociadmin
Identity domain
sandbox-domain

Reset your password
Set a password for your user account.

New Password: [redacted]

Confirm New Password: [redacted]

Reset Password

Privacy |
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This screenshot shows a password reset dialog box from Oracle Cloud Infrastructure. It has a title bar 'ORACLE Cloud' and a subtitle 'ocifoundations'. It displays the user information 'ociadmin' and 'Identity domain: sandbox-domain'. The main content is a 'Reset your password' section with instructions 'Set a password for your user account.' Below this are two input fields: 'New Password' and 'Confirm New Password', both of which are currently empty. At the bottom is a large 'Reset Password' button. At the very bottom of the page, there's a footer with links for 'Privacy' and 'COPYRIGHT © 2016, 2023, ORACLE AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED.'

Cloud Sign In

https://www.oracle.com/oci/sign-in.html?redirect_uri=https%3A%2F%2Fcloud.oracle.com%2F

OCI

About Services Solutions Pricing Partners Resources

Sign in to Oracle Cloud

ORACLE Cloud

Cloud Account Name: ocifoundations8

Next

Forgot your cloud account name? Get help

Do you have a Traditional Cloud Account? Sign In

Not an Oracle Cloud customer yet?

Sign Up

Launch a pre-built automated CI/CD pipeline for Kubernetes

Simplify and automate your software development cycle with the fully-managed OCI DevOps service.

Deploy now View architecture

Red Bull Racing Workshop

Learn how to make predictions with analytics and machine learning models using real race data.

Start workshop

Resources for

- Careers
- Developers
- Investors
- Partners
- Startups
- Students and Educators

Why Oracle

- Analyst Reports
- Cloud Economics
- with Microsoft Azure
- vs. AWS
- vs. Google Cloud
- vs. MongoDB

Learn

- What is AI?
- What is Cloud Computing?
- What is Cloud Storage?
- What is HPC?
- What is IaaS?
- What is PaaS?

What's new

- Oracle Supports Ukraine
- Oracle Cloud Free Tier
- Cloud Architecture Center
- Cloud Lift
- Oracle Support Rewards
- Oracle Red Bull Racing

Contact us

- US Sales: +1.800.633.0758
- How can we help?
- Subscribe to emails
- Events
- News
- OCI Blog

Cloud Infrastructure

Oracle Cloud Infrastructure | Sign in

https://login.us-ashburn-1.oraclecloud.com/domains

ORACLE Cloud

Tenancy ⓘ Change tenancy
ocifoundations8

Sign in with an identity domain ⓘ

sandbox-domain

Next

Need help signing in?

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https://cloud.oracle.com/?region=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) Incognito

Get started Dashboard

Service links

PINNED

- Instances Compute
- Virtual cloud networks Networking

RECENTLY VISITED

You haven't visited anything yet.

RECOMMENDED - [\(Update\)](#)

- Policies Identity
- Buckets Object Storage & Archive Storage
- Autonomous Database Autonomous Database
- Logging Logging
- Tenancies Organization Management

Profile

Your tenancy ocifounda

Identity domain: sandbox-domain

My profile

Tenancy: ocifoundations8

All service user Console

Console settings

Sign out

OCI mobile app

Review alarms, access billing and usage data, and manage resources on the go.

Install now

Quickstarts

FEATURED

Predict the result of the next race

25-30 mins

APPLICATION DEVELOPMENT

Deploy a WordPress website

6-8 mins

APPLICATION DEVELOPMENT

Deploy a low-code app on Autonomous Database using APEX

3-5 mins

APPLICATION DEVELOPMENT

Deploy RStudio in a container

APPLICATION DEVELOPMENT

Deploy a baseline landing zone

DATABASE

Visualize and analyze Strava data on Autonomous Database

View my deployments

Get early access to OCI features

Try out upcoming features and share your feedback

Join preview program

What's new

New License Types and Additional Capabilities

Introduced in Oracle Access Governance

May 10, 2023

Media Streams now supports Monitoring

May 9, 2023

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Storage

Search

Home

Compute

Storage

Networking

Oracle Database

Databases

Analytics & AI

Developer Services

Identity & Security

Observability & Management

Hybrid

Migration & Disaster Recovery

Billing & Cost Management

Governance & Administration

Marketplace

Block Storage

- Block Volumes
- Block Volume Backups
- Block Volume Replicas
- Volume Groups
- Volume Group Backups
- Volume Group Replicas
- Backup Policies

Object Storage & Archive Storage

- Buckets

File Storage

- File Systems
- Mount Targets

Related services

- Data Transfer
- Limits, Quotas and Usage

Help

- Getting Started on OCI
- Block Storage
- File Storage
- Object Storage
- Archive Storage
- Storage Gateways
- Service Limits

Deploy RStudio in a container

Deploy a baseline landing zone

Visualize and analyze Strava data on Autonomous Database

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Buckets | Oracle Cloud Infrastructure

<https://cloud.oracle.com/object-storage/buckets?region=us-ashburn-1>

Screenshot captured
You can print this screenshot from this interface.
Press Esc to exit full screen

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) ▾

Object Storage & Archive Storage

Buckets in ocifoundations8 (root) Compartment

Object Storage provides unlimited, high-performance, durable, and secure data storage. Data is uploaded as objects that are stored in buckets. [Learn more](#)

Buckets

List scope Compartments

ocifoundations8 (root)

Service logs [Manage logs](#)

Resources: 0 (0 total logs) ⓘ
Logs enabled: 0
Logs not enabled: 0

Tag filters [add](#) | [clear](#)

no tag filters applied

Create Bucket

Name	Default Storage Tier	Visibility	Created
		!	You do not have authorization to perform this request, or the requested resource could not be found. (NamespaceNotFound)

Showing 0 items < 1 of 1 >

Domains | Oracle Cloud Infrastructure

<https://cloud.oracle.com/identity/domains?tenant=ocifoundations8&domain=Default®ion=us-ashburn-1>

Identity

Domains in ocifoundations8 (root) Compartment

Domains

Network Sources Policies Compartments

List scope Compartments

ocifoundations8 (root)

Tag filters [add](#) | [clear](#)

no tag filters applied

Create domain

Name	Domain type	Status	Users	Groups
Default	Free	Active	0	4
sandbox-domain	Free	Active	1	3

Default (Current domain)

Showing 2 domains < Page 1 >

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Policies in ocifoundations8 (root) Compartment	
<input type="button" value="Create Policy"/> <input type="button" value="Delete"/>	
	<input type="checkbox"/> Name <input type="checkbox"/> Description <input type="checkbox"/> Statements <input type="checkbox"/> Created
<input type="checkbox"/>	Name: CloudGuardPolicies Description: Cloud Guard Policies for ocifoundations8 (root) compartment. Statements: 22 Created: Fri, May 19, 2023, 03:45:31 UTC
<input type="checkbox"/>	Name: multicloud-observability-283b0a99-4e1480fe Description: Enables metrics read for metrics connector ocid1.compartment.oc1..aaaaaaaaahstmldpromo7m6huqbqm4swuasvs2g5jqsgs2m6w7dipqca336sa in tenancy Statements: 2 Created: Tue, Feb 21, 2023, 21:18:42 UTC
<input type="checkbox"/>	Name: multicloud-observability-da412d1b-39a20fa8 Description: Enables metrics read for metrics connector ocid1.compartment.oc1..aaaaaaaaalw5mk2nc2vuzbnvkfxl7ceradi6qyl7pix3lcn6t6baziq4wnya in tenancy Statements: 2 Created: Mon, Feb 20, 2023, 23:31:36 UTC
<input type="checkbox"/>	Name: ocl-admin-policy Description: policy for OCI admins Statements: 2 Created: Wed, Jun 1, 2022, 00:24:58 UTC
<input type="checkbox"/>	Name: PSM-root-policy Description: PSM managed compartment root policy Statements: 7 Created: Mon, May 16, 2022, 20:46:16 UTC
<input type="checkbox"/>	Name: Tenant Admin Policy Description: Tenant Admin Policy Statements: 1 Created: Mon, May 16, 2022, 20:26:46 UTC
<input type="checkbox"/>	Name: BootstrapProvisioning Description: Temporary policy for /bootstrapDefaultDomain API's whitelisted services. Gives access to IAM work request APIs and ability to delete these policy when access is no longer needed. Statements: 2 Created: Mon, May 16, 2022, 20:26:30 UTC

0 selected

Displaying 7 Policies < Page 1 >

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Policies | Oracle Cloud Infrastructure https://cloud.oracle.com/identity/policies?region=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) Help

Create Policy

Name: ocl-admin-group
No spaces. Only letters, numerals, hyphens, periods, or underscores

Description: policies for oci admins

Compartment: ocifoundations8 (root)

Policy Builder

Example: Allow group [group_name] to [verb] [resource-type] in compartment [compartment_name] where [condition]

Show advanced options Create Cancel Create Another Policy

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Policies | Oracle Cloud Infrastructure +

https://cloud.oracle.com/identity/policies?region=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) Help

Create Policy

Name
ocl-admin-group
No spaces. Only letters, numerals, hyphens, periods, or underscores.

Description
policies for oci admins

Compartment
ocifoundations8 (root)

Policy Builder Show manual editor

Policy use cases Common policy templates

Storage Management Select a common policy

[Show advanced options](#)

[Save](#) [Cancel](#) Create Another Policy

Policies | Oracle Cloud Infrastructure +

https://cloud.oracle.com/identity/policies?region=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn) Help

Create Policy

Name
ocl-admin-group
No spaces. Only letters, numerals, hyphens, periods, or underscores.

Description
policies for oci admins

Compartment
ocifoundations8 (root)

Policy Builder Show manual editor

Policy use cases Common policy templates

Storage Management Select a common policy

[Show advanced options](#)

Let users create a volume group backup
Let users restore a volume group backup
Let users create, manage, and delete file systems
Let users create file systems
Let Object Storage admins manage buckets and objects
Let users write objects to Object Storage buckets

[Save](#) [Cancel](#) Create Another Policy

Policies | Oracle Cloud Infrastructure

https://cloud.oracle.com/identity/policies?region=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace

US East (Ashburn) Help

Create Policy

policies for oci admins

Compartment
ocifoundations8 (root)

Policy Builder Show manual editor

Policy use cases Common policy templates

Storage Management Let Object Storage admins manage buckets and objects

Ability to do all things with Object Storage buckets and objects in the selected compartments.

Identity domain Groups Dynamic Groups Location

sandbox-domain oci-admin-group sandbox

Policy Statements

Allow group 'sandbox-domain'/oci-admin-group' to manage buckets in compartment sandbox

Allow group 'sandbox-domain'/oci-admin-group' to manage objects in compartment sandbox

Show advanced options 

Create Cancel Create Another Policy

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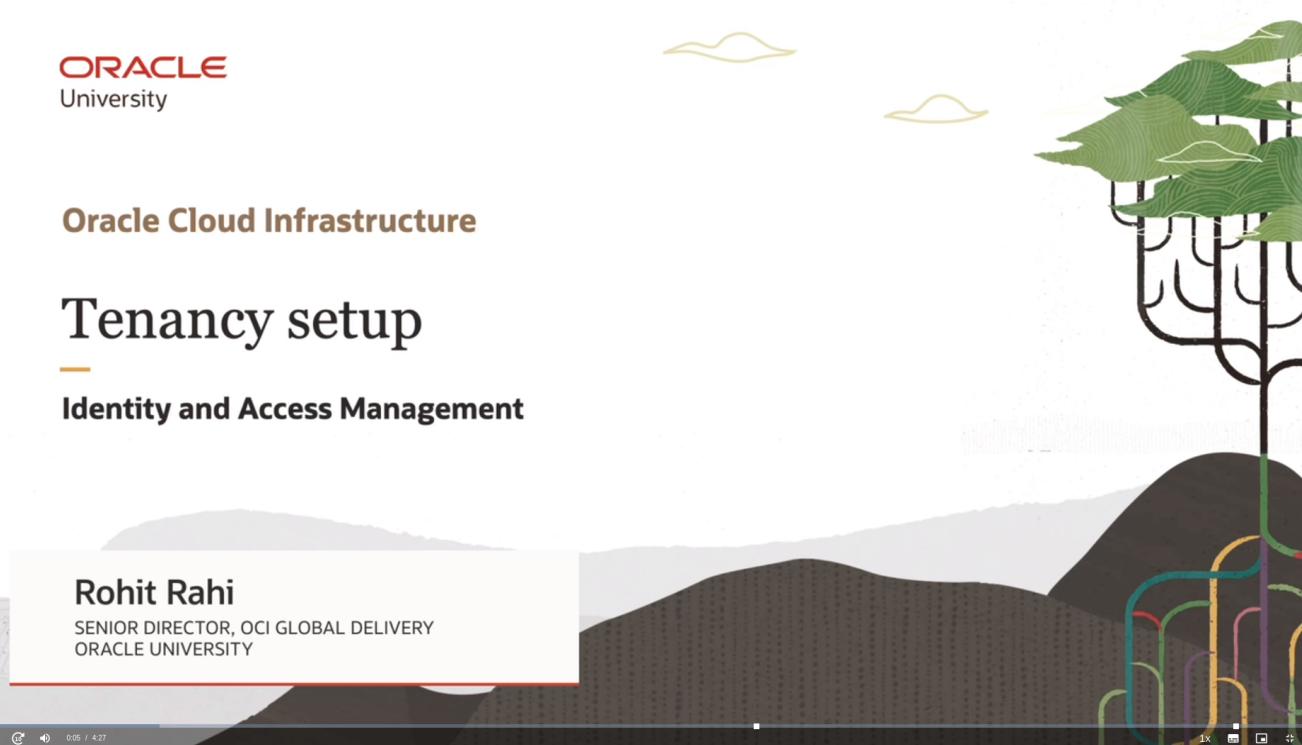
ORACLE University

Oracle Cloud Infrastructure

Tenancy setup

Identity and Access Management

Rohit Rahi
SENIOR DIRECTOR, OCI GLOBAL DELIVERY
ORACLE UNIVERSITY



Tenancy Setup

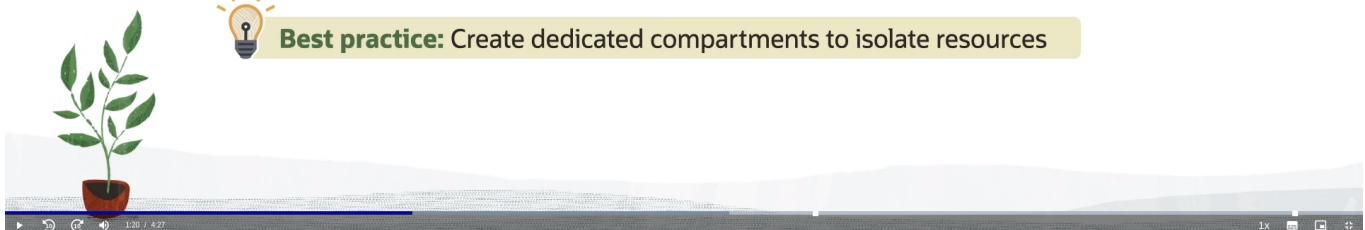


Tenancy Admin

Responsible for Day-to-Day Operations



Tenancy Setup



Tenancy Setup



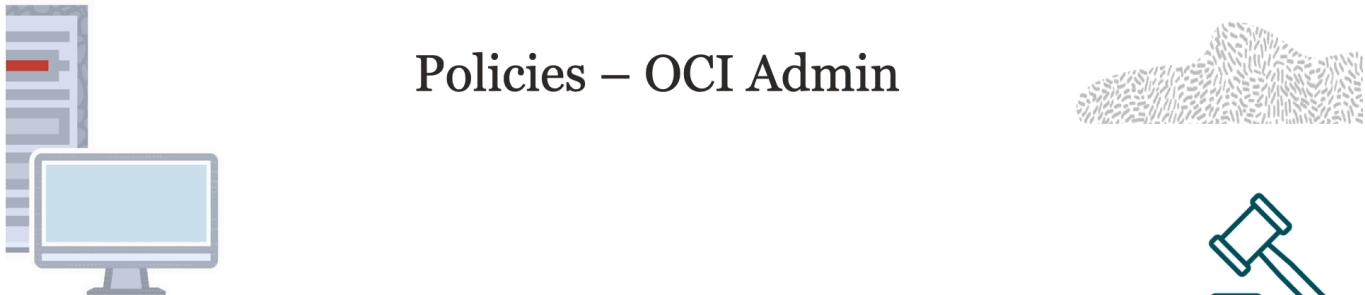
Best practice: Don't Use the Tenancy Administrator Account for Day-to-Day Operations



Best practice: Create dedicated compartments to isolate resources



Best practice: Enforce the use of Multi-Factor Authentication (MFA)



Policies – OCI Admin

Allow group **OCI-admin-group** to **manage all-resources** in tenancy

Allow group **OCI-admin-group** to **manage domains** in tenancy

Allow group **OCI-admin-group** to **manage users** in tenancy

Allow group **OCI-admin-group** to **manage groups** in tenancy

Allow group **OCI-admin-group** to **manage dynamic-groups** in tenancy

Allow group **OCI-admin-group** to **manage policies** in tenancy

Allow group **OCI-admin-group** to **manage compartments** in tenancy

