

Frequently Asked Questions

Oracle Cloud Infrastructure API Gateway

General

What is Oracle Cloud Infrastructure API Gateway?

Oracle Cloud Infrastructure API Gateway is a fully Oracle-managed, regional API Gateway service that is used to provide protected RESTful API endpoints for Oracle Functions, Oracle Kubernetes Engine, and other services on Oracle Cloud Infrastructure.

What other services do I need before I provision API Gateway?

You need to have a Virtual Cloud Network defined with a minimum of one regional subnet. See [here](#) for more details.

What can I do with this service?

You can create HTTP/s endpoints for Oracle Functions and other RESTful endpoints such as services running on Oracle Kubernetes Engine, Oracle Compute, or other external services that can run on Oracle Cloud Infrastructure and beyond.

Where can I find documentation for API Gateway?

You can find the documentation [here](#).

What network does API Gateway use?

API Gateway will appear under your tenancy and will use the subnet that you choose from your Virtual Cloud Network (vcn).

How is this related to Oracle Apiary?

API Gateway complements Oracle Apiary by providing the runtime policy enforcement points for APIs designed in Oracle Apiary.

How do I create an API?

With regards to the API Gateway, an API Deployment specification is created. This defines the policy(s) that will be enforced at runtime. A best practice is to design the API using Oracle Apiary so you have API Design, documentation, and runtime policy enforcement.

How do I monitor my APIs?

Choose the gateway your API is currently deployed to. Under Metrics, you will find graphs providing information on the overall health and performance of the gateway and the APIs deployed to it. Choose an individual API deployment to view the metrics for that API.

Key Concepts

What is an API Gateway?

An API gateway provides governed end-points for RESTful APIs. Whenever a client invokes an API, the API gateway will apply the policy(s) and will allow or block requests depending on the outcome of the policy enforcement.

What is an API Design Specification?

An API Design Specification describes the API's functionality and how the client should interact with it. The design specification is typically written in Swagger/OpenAPI, API Blueprint or some other API Specification language. Oracle Apiary is used by teams to collaborate and design APIs.

What is an API Deployment Specification?

An API Deployment specification is used by the gateway to define policies such as routing, logging, rate-limiting, authorization, etc.

Security and Access Control

What security policies do I need with API Gateway?

See [here](#) in the documentation to make sure you have the appropriate security policies defined. Failure to do so will cause errors when attempting to create API gateways and deploy APIs.

Can I access my APIs from the internet?

An API gateway can be accessed from the public internet (public) or internally from OCI VCN's (private). Each option will require appropriate VCN access configuration.