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Monitor and assess your security posture using Prisma Cloud by Palo Alto Networks for OCI

Integration Playbook

Purpose statement

This document provides an overview of the Prisma® Cloud by Palo Alto Networks integration for Oracle Cloud Infrastructure. It is intended solely to help you assess the business benefits of utilizing partner solutions to secure your workloads and to plan your I.T. projects.

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Overview

To run your workloads on Oracle Cloud Infrastructure(OCI), you need a secure environment that you can operate efficiently. Prisma® Cloud by Palo Alto Networks is a cloud native security platform that enables cloud security posture management (CSPM) for Oracle Cloud Infrastructure. It enables you to check the configuration of systems and services hosted on OCI and correlates the disparate data sets to help cloud compliance and security analytics teams prioritize risks and quickly respond to issues. Improve your security posture with Prisma Cloud through the continuous monitoring and assessment of your OCI environment.

Prisma Cloud provides cloud infrastructure protection across the following areas:

Multi-Cloud Security

Provide a consistent implementation of security best practices across your OCI and other public cloud environments. Prisma Cloud requires no agents, proxies, software, or hardware for deployment and integrates with a variety of threat intelligence feeds. Prisma Cloud includes pre-packaged policies to secure multiple public cloud environments.

Continuous Compliance

Maintain continuous compliance across CIS v1.0, CIS v1.1, NIST 800-171 Rev 2 and additional standards by monitoring API-connected cloud resources across multiple cloud environments in real time. You can generate compliance documentation in a single click or exportable, fully prepared reports.

Cloud Forensic

Go back in time to the moment a resource was first created and see chronologically every change and who made it. Prisma Cloud provides forensic investigation and auditing capabilities of potentially compromised resources across your OCI environment, as well as other public cloud environments. Historical information extends back to initial creation of each resource and detailed change records include the source of each change.

DevOps and Automation

Enable secure DevOps without adding friction by setting architecture standards that reside within prescribed policy guardrails. This methodology permits agile development teams to maintain their focus on developing and deploying apps to support business requirements.
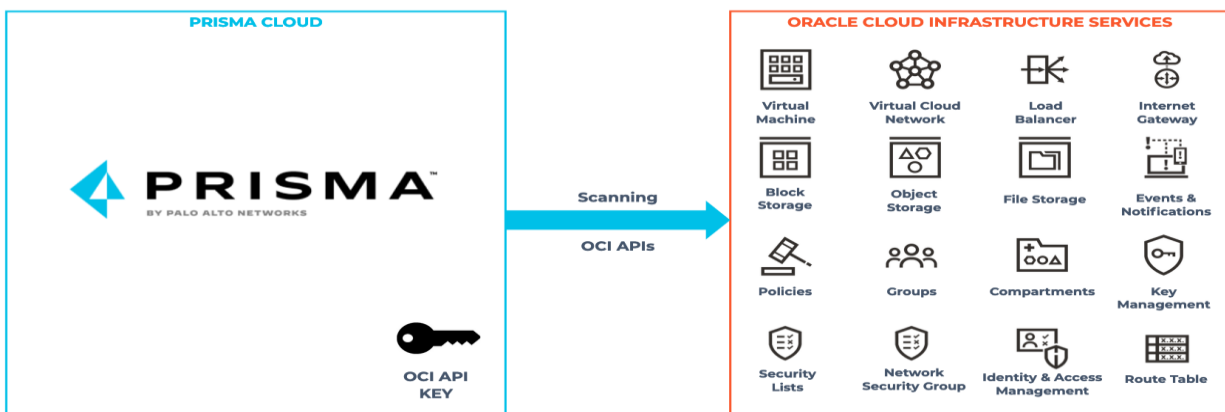
Oracle Cloud Infrastructure integration requires that you create a user and associate that user to a user-group. Additional policies configurations and permissions are also required to ingest and analyse the data.

You can perform these steps automatically using Oracle Resource Manager outlined in the Prisma integration guidance available in the Deploy section below.

What is supported by CSPM on OCI ?

Asset Inventory

- Continuous visibility across all deployed assets from a single, unified console

- Automated workload and application classification

- Full lifecycle asset change attribution

Configuration Assessment

- Immediately enforce configuration guardrails with 40+ built-in policies across OCI services

- Automatically fix common misconfigurations before they lead to security incidents

- Build custom policies only once and have them enforce across multi-cloud environments

Compliance Management

- Continuous compliance posture monitoring and 1-click reporting

- CIS Benchmark coverage and support for custom reporting

- Easily investigate and auto-remediate compliance violations

Resource Query Language (RQL)

- Gain security and operational insights about your deployments in public cloud environments

- Perform configuration checks on resources and query network events across different cloud platforms

- Turn queries into custom cloud-agnostic policies and define remediation steps and compliance implications

Considerations

Consider the followings when integrating Oracle Cloud Infrastructure with Prisma Cloud.

- **Prisma Cloud**

  You must have an active Prisma Cloud Tenant.

- **Oracle Cloud Infrastructure**

  You must have an admin access to manage your tenancy as you will be using root tenancy to integrate with Prisma Cloud.

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Deploy

You can follow the below steps to onboard your Oracle Cloud Account:

- Onboard your Oracle Cloud Infrastructure account on Prisma Cloud

- List of supported services and required policies

Explore More

For more information, see the following resources:

- Prisma Cloud Overview

- Prisma Cloud Compliance Dashboard

- Onboard Oracle Cloud Infrastructure account on Prisma Cloud

- Oracle Cloud Infrastructure APIs Ingested by Prisma Cloud

- Oracle Cloud CIS Benchmark for Cloud Configuration

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