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Budget & Cost Monitoring in Oracle Cloud Infrastructure

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Agenda

- Cost-Tracking Tags
- Cost Analysis & Usage Reports
- Budgets & Alerts

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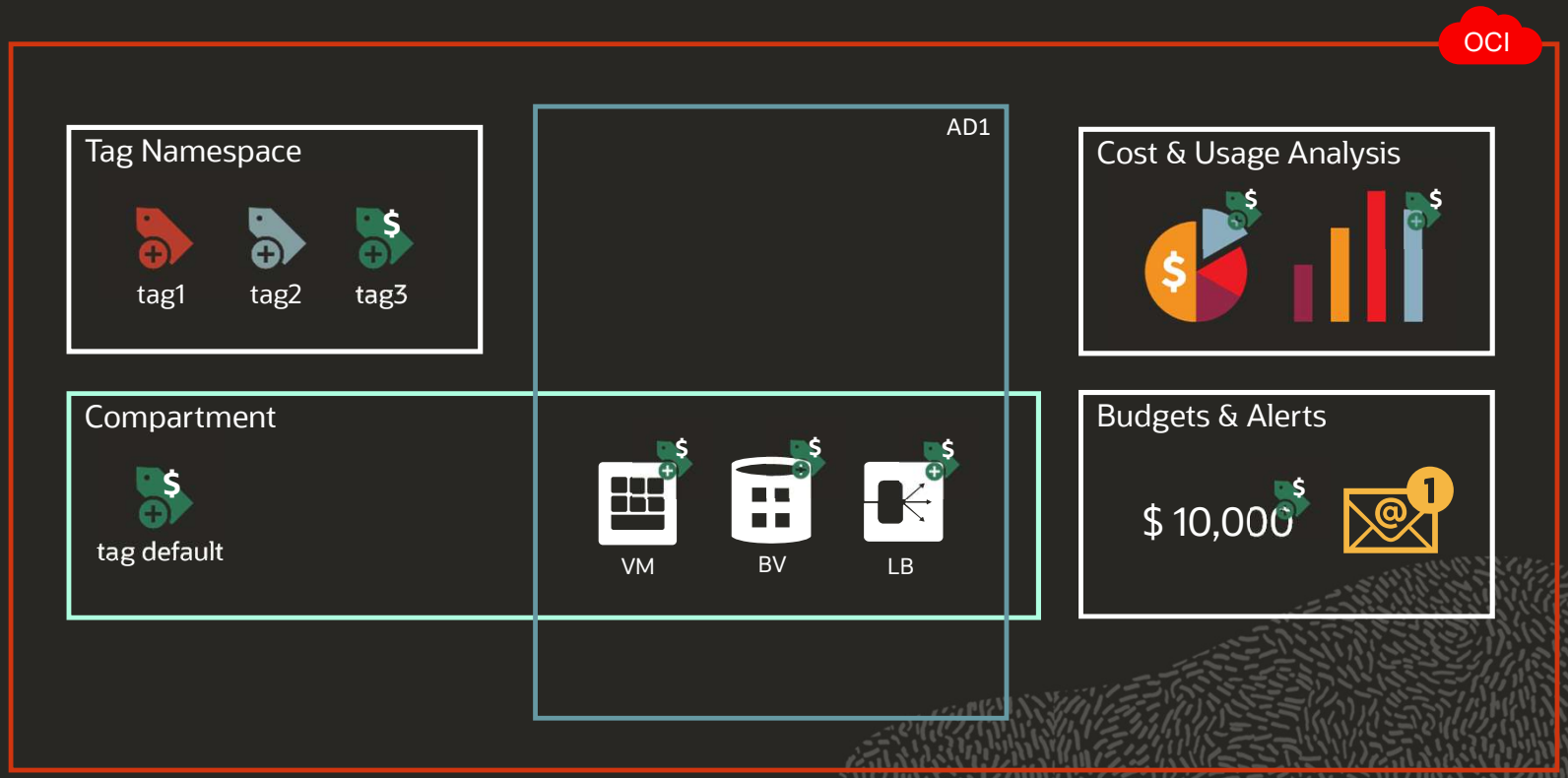
OCI
AD1
Tag Namespace
tag1
tag2
tag3
Cost & Usage Analysis
Compartment
tag default
VM
BV
LB
Budgets & Alerts
$ 10,000

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Agenda

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Tags | Overview

- Define keys and values and associate them with resources
- Cost-tracking tags are passed to the billing system
  → allow to filter bills and view usage by tag
- Compare and track resource usage based on tags
- Set up budgets based on resources grouped by tags

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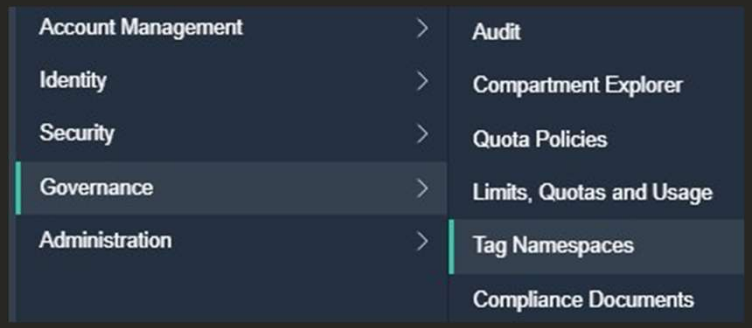
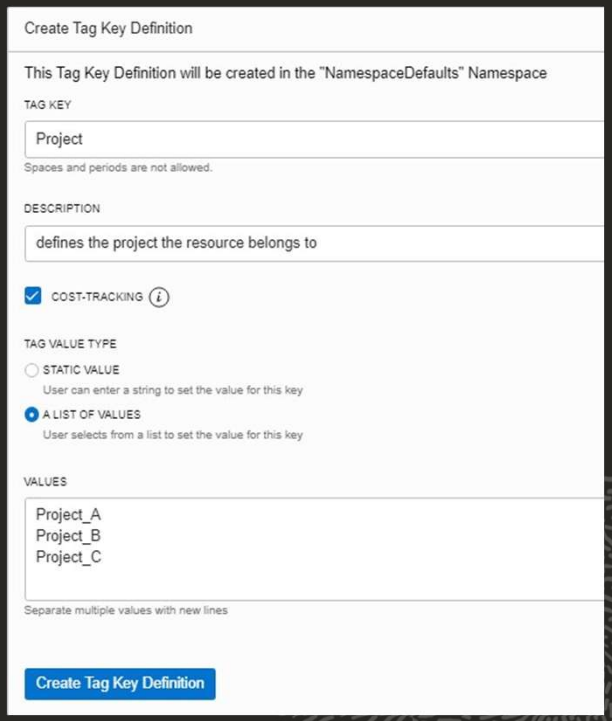
Tags | Creation





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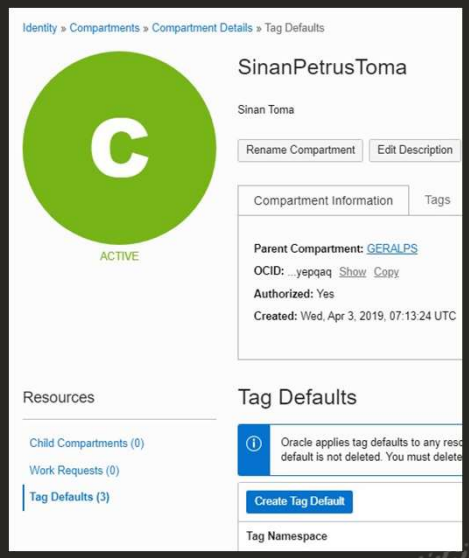
Tag Defaults



Resource creation failed because the resource requires tag value(s). Add a value to the each of the following tag definition(s): NamespaceDefaults.Project

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Resources | Creation

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Cost Analysis

- Visualization tool to track and optimize spending
- Allows to generate charts, and download accurate, reliable tabular reports of aggregated cost data

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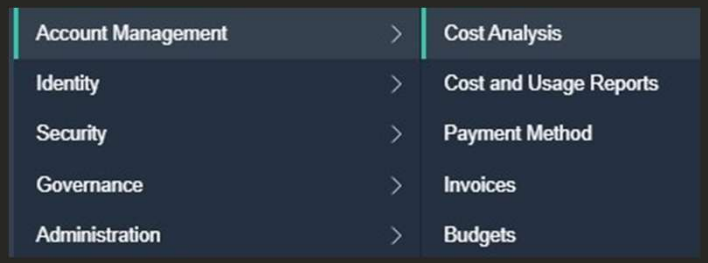
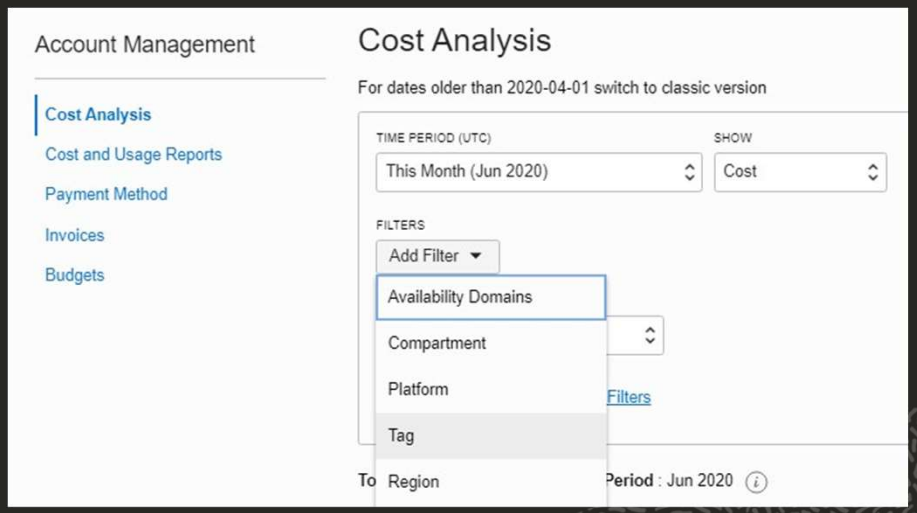
Cost Analysis | Filter





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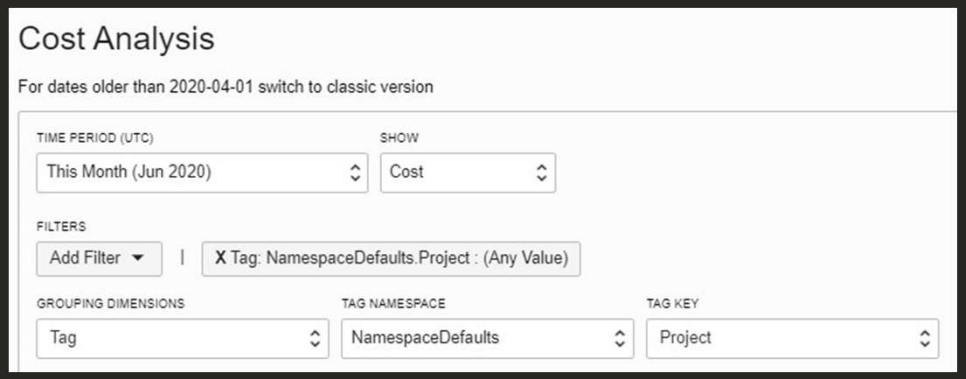
Cost Analysis | Grouping



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Cost & Usage Report

- Usage report: CSV file
  - Can be used to get a detailed breakdown of resources in OCI
- Cost report: similar to usage report, but also includes cost columns
  - Can be used to obtain a breakdown of your invoice line items at resource-level granularity
  - Automatically generated daily
  - Stored in an Oracle-owned Object Storage bucket
  - Contains one row per each OCI resource per hour

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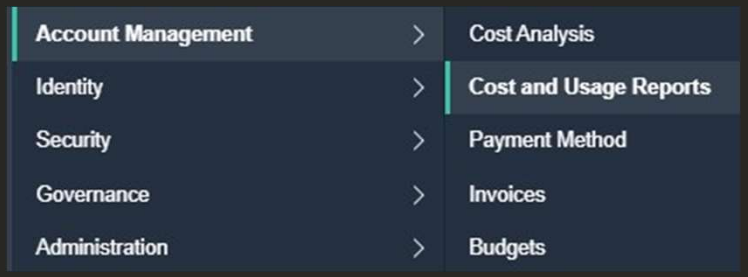
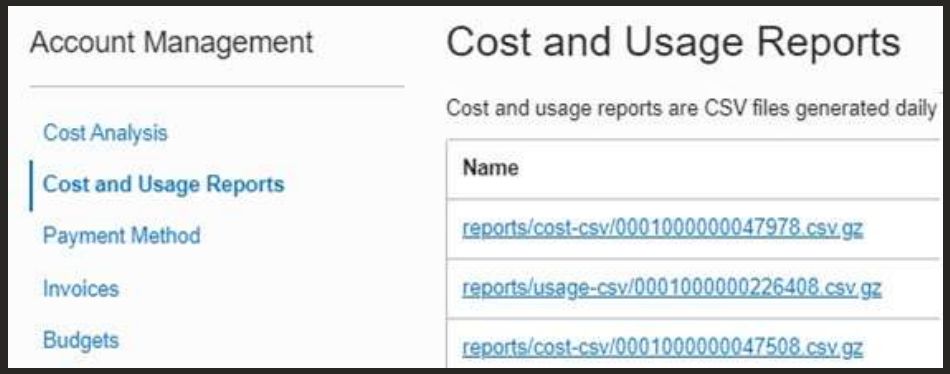
Cost & Usage Report





O	P
product/Description	cost/unitPrice
Object Storage - Storage	0.0255
Object Storage - Storage	0.0255
Object Storage - Storage	0.0255
Block Volume - Performance Units	0.0017
Block Volume - Storage	0.0255
Oracle Analytics Cloud - Enterprise - BYOL	0.0097

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Budgets & Alerts

- Budget: monthly threshold (soft limit) defined for your OCI spending
  - Set on cost-tracking tags or on compartments to track all spending in that cost-tracking tag or for that compartment and its children.

- Alert: can be set on budget to know when budget might be exceeded
  - Ban be triggered when your actual or your forecasted spending hits either a percentage of your budget or a specified amount
  - All budgets alerts are evaluated every 15 minutes
  - When a budget alert fires, the email recipients configured in the budget alert receive an email

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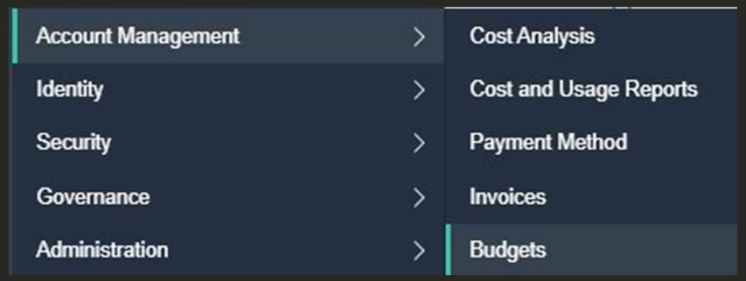
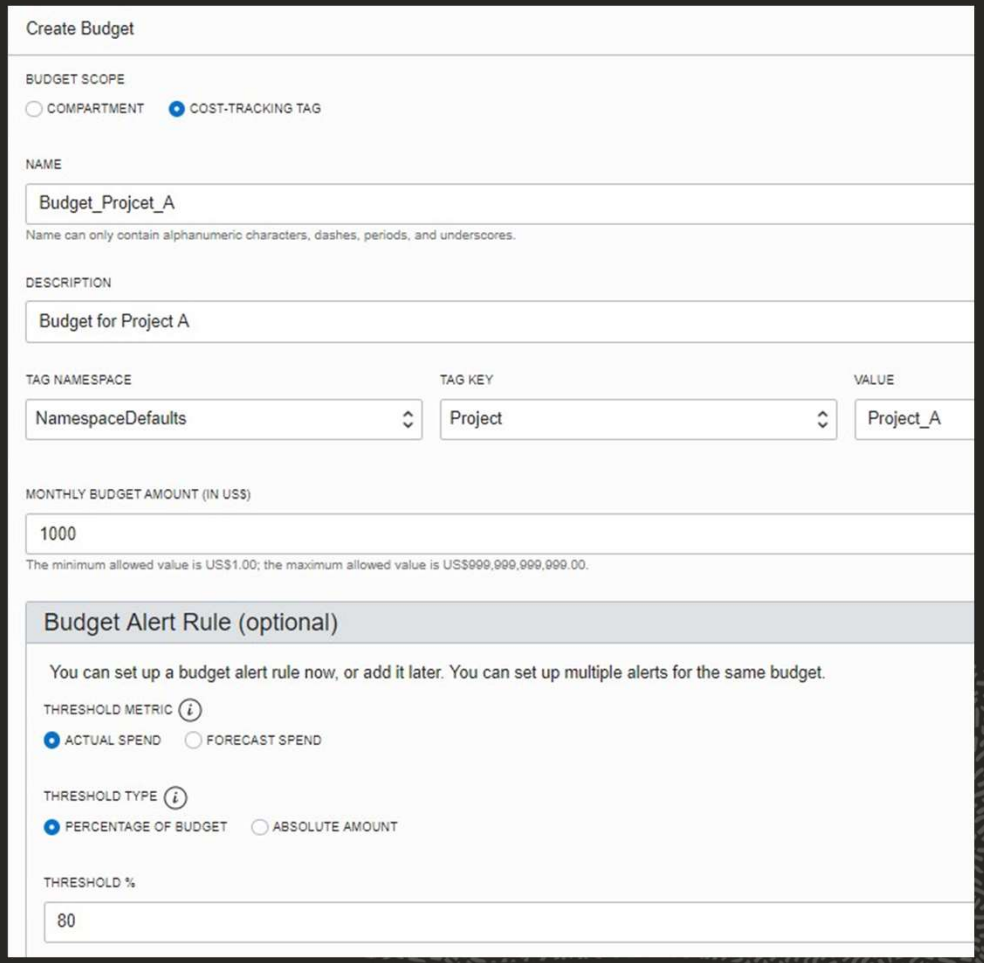
Budgets & Alerts





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Further Reading

Tagging Overview
https://docs.cloud.oracle.com/en-us/iaas/Content/Tagging/Concepts/taggingoverview.htm

Cost-Tracking Tags
https://docs.cloud.oracle.com/en-us/iaas/Content/Tagging/Tasks/usingcosttrackingtags.htm

Cost and Usage Reports
https://docs.cloud.oracle.com/en-us/iaas/Content/Billing/Concepts/usagereportsoverview.htm

Budgets and Alerts
https://docs.cloud.oracle.com/en-us/iaas/Content/Billing/Concepts/budgetsoverview.htm

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Thank you

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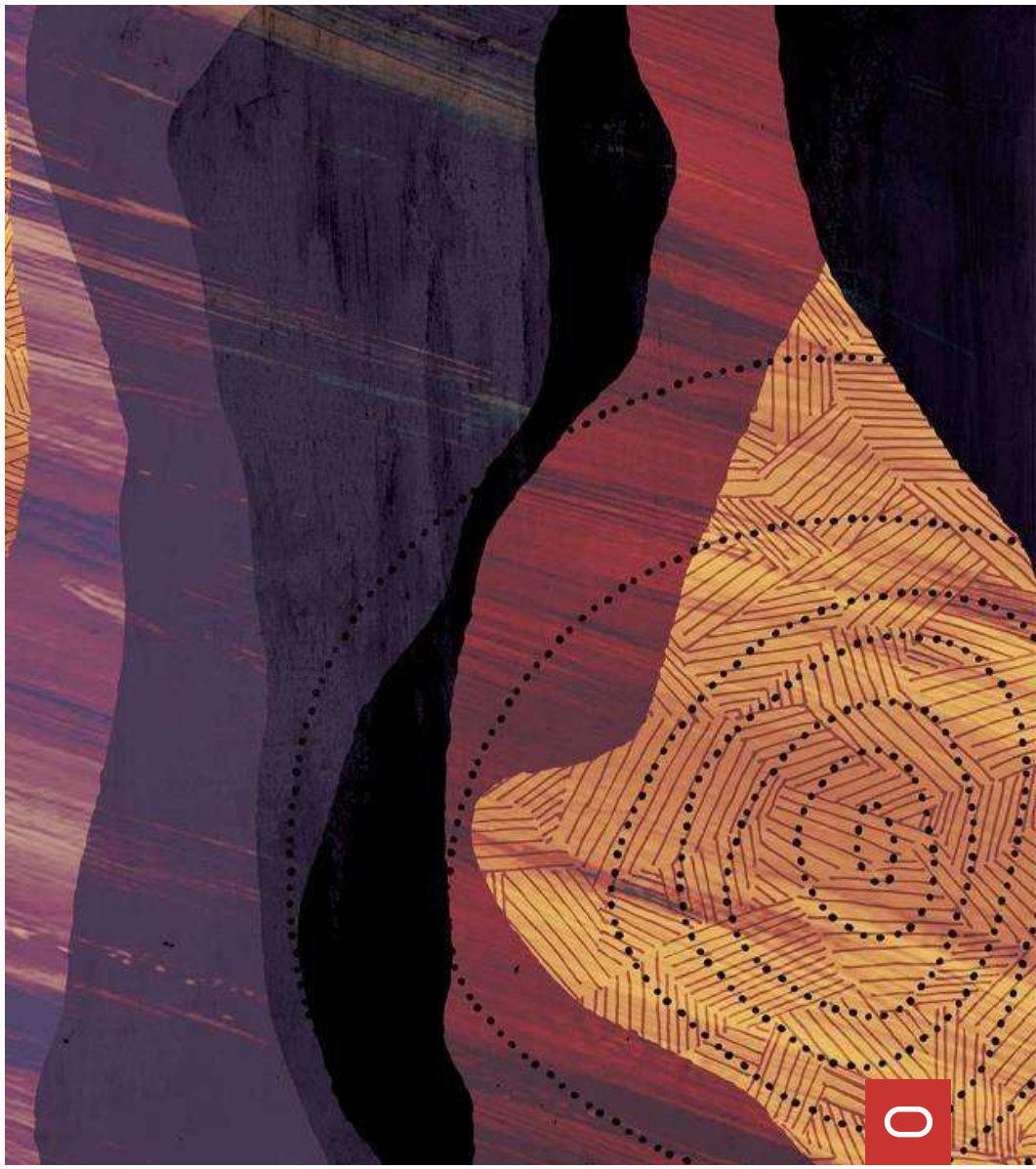

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