ORACLE

Be the Customer Success Manager

Run Over – Governance and Costs Tools

Marcel Lamarca
Exadata Cloud Specialist
Oracle, Alliances and Channels LAD
February, 2024

SQL> select * from person where name = ‘Marcel Lamarca’

SCAN ME

MARCEL LAMARCA

Exadata Cloud Specialist

Upgrade, Utilities, Patching, Performance & Migrations

marcel-lamarca

marcel.lamarca@oracle.com

About My Career

- 22 Years dedicated to study and support Oracle Databases.
- 12 Years working with Exadata (On-prem, C@C and Cloud Services) .
- 5 Year working for Oracle do Brasil
- 2 Year on Alliances LAD knowledge Team

Certifications

Oracle Cloud Specialist (OCS)

- Exadata Database Machine X9M Certified Specialist
- OCI Foundation 2020 / 2023
- Oracle Autonomous Database Administrator Professional 2019 / 2023
- Oracle Cloud Database Migration and Integration 2021
- OCI Cloud Certified Architect Associate 2022
- OCI Cloud Certified Architect Professional 2022
- OCI Multi-Cloud Architect Professional 2023
- Oracle Database Services Certified Professional 2023

Oracle Certified Professional (OCP)

- Oracle Database certified professional 10g, 11g, 12c and 19c.
- Mysql 8.0 Database Administrator Certified Professional

Oracle Certified Specialist (OCE)

- Grid/RAC Database Administrator 11g
- Oracle Golden Gate 12c Certified Implementation Specialist

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Agenda

1. CXM Vs CSM roles and responsibilities
2. Cost Analysis and Budgets
3. Usage Reports & Service Limits
4. OCI License Manager
5. Resources

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Governance Challenges

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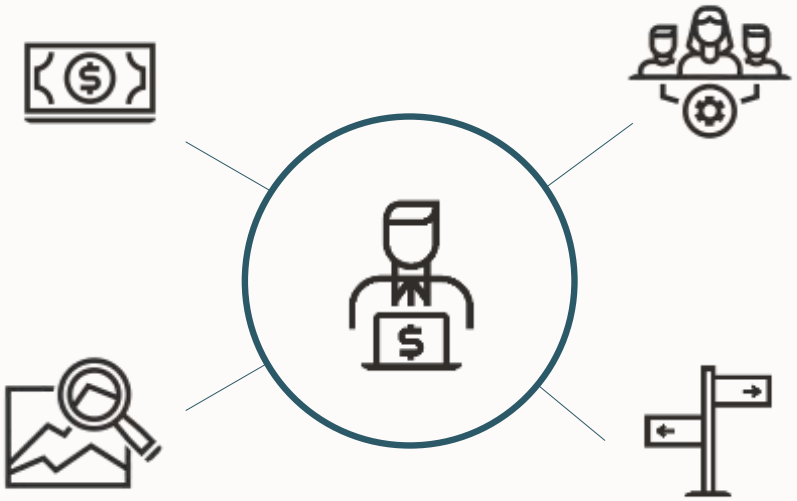
Fundamental Challenges with Cloud Governance today

Mission-critical applications face governance issues that prevent them from moving to the cloud

All-you-can-eat culture
Accessing infinite resources can make your cost spiral out

Lack of visibility without effort
Inability to view the services and the regions used can lead to potential non-compliance issue



Tension between productivity and control
Traditional approach harms productivity and leads to circumvention

Hard to use
No real instructions so starting is hard
Numerous experts required

Oracle believes there is a better way

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Customer Success Manager

Customer Experience Manager

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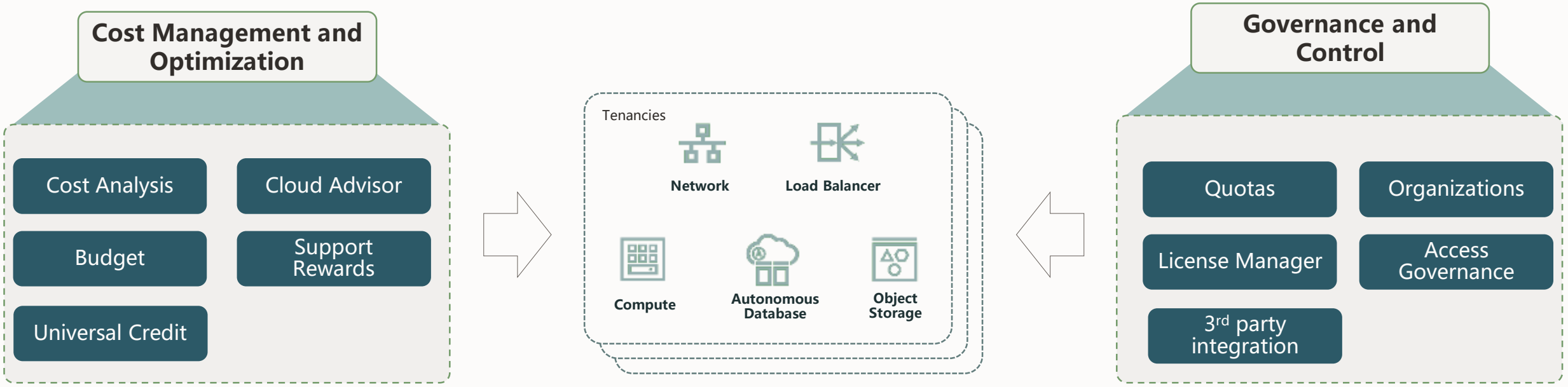
Oracle's Cost Management and Governance Strategy

Core principle to guide cloud leaders into best practices



Easy-to-use

Automated

Prescriptive

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Cost Analysis Report

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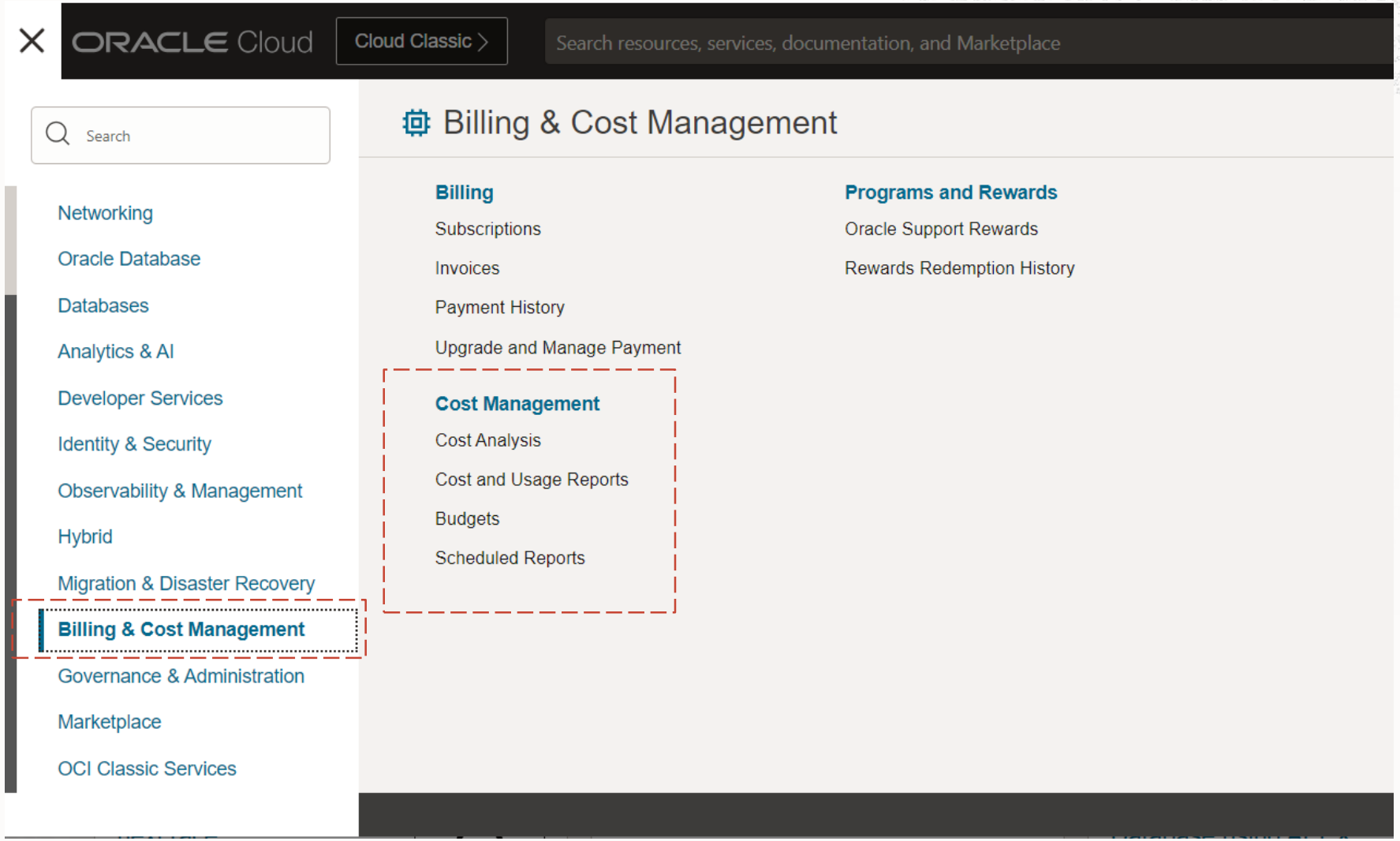
Oracle Cost Analysis on OCI Console



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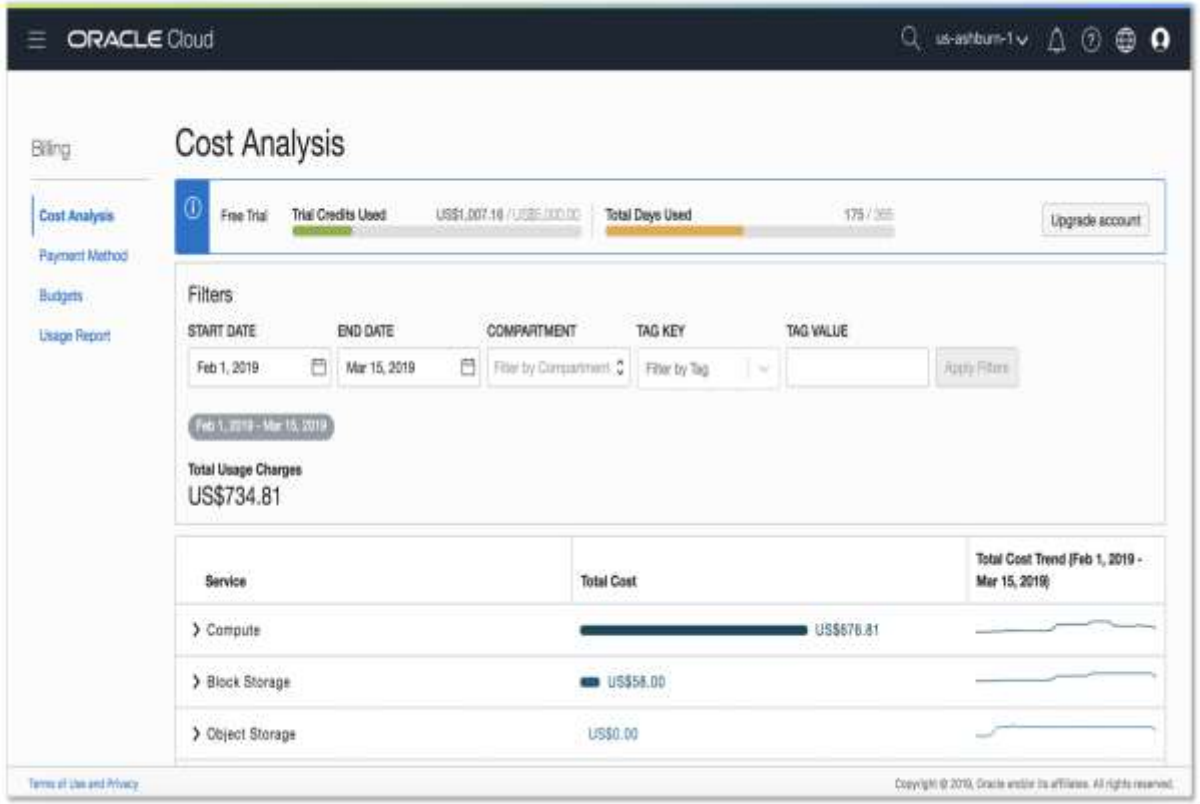
Cost Analysis

- Visualization tools Help understand spending patterns at a glance
- Filter costs by Date, Tags and Compartments
- Trend lines show how spending patterns are changing
- To use Cost Analysis you must be a member of the Administrators group



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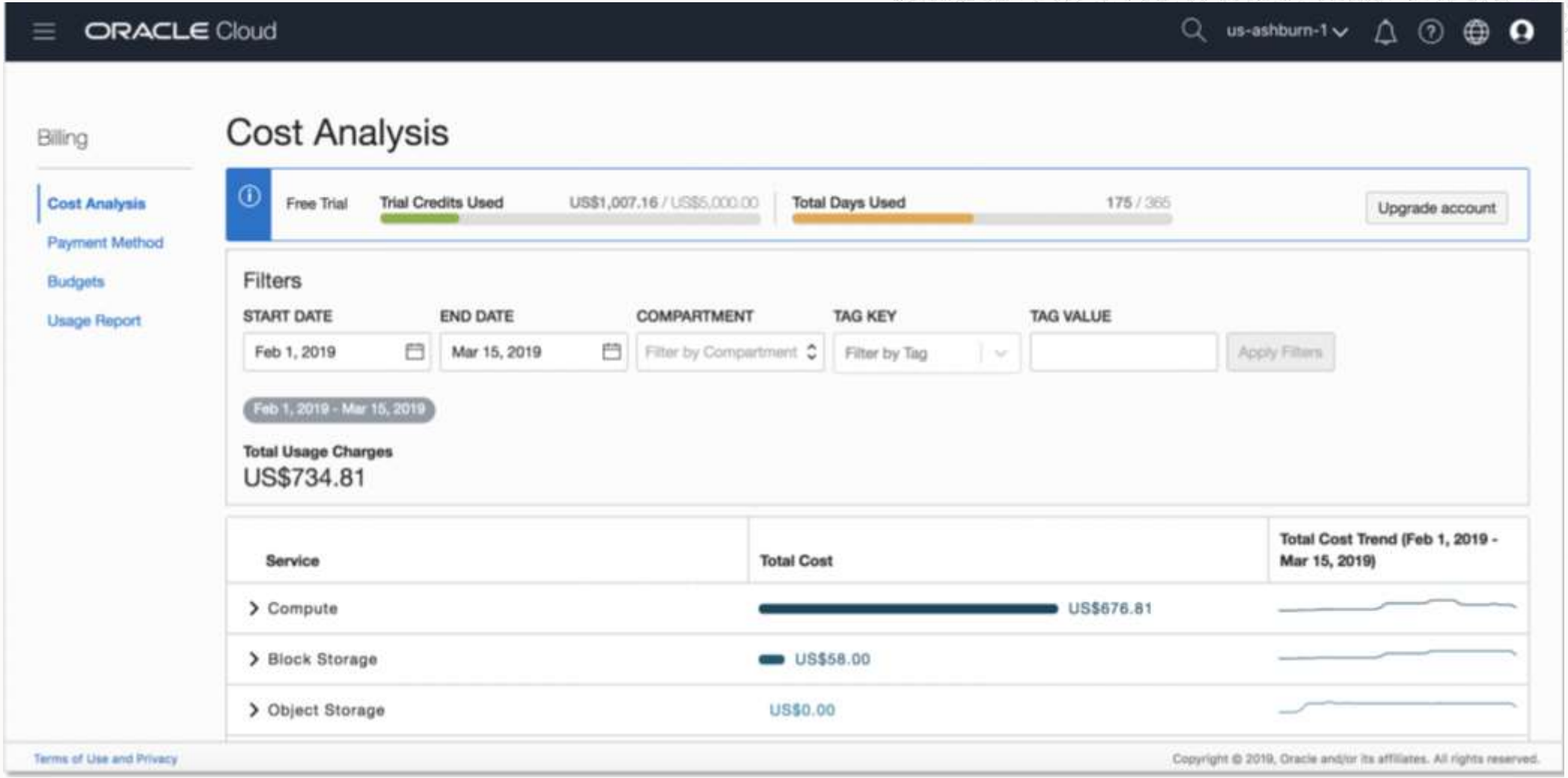
Oracle Cost Analysis Dashboard



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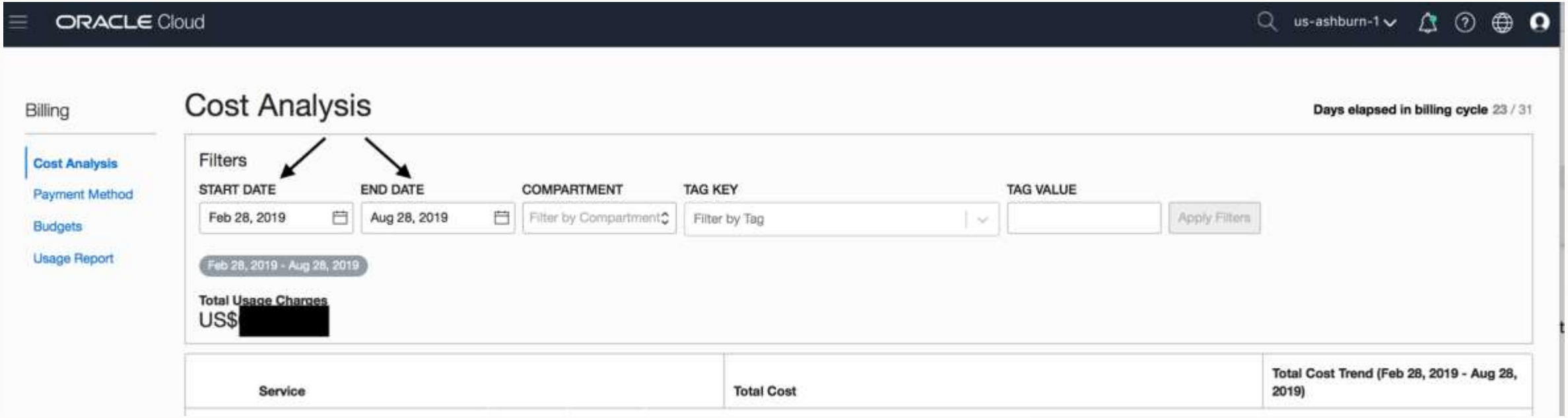

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Budgets

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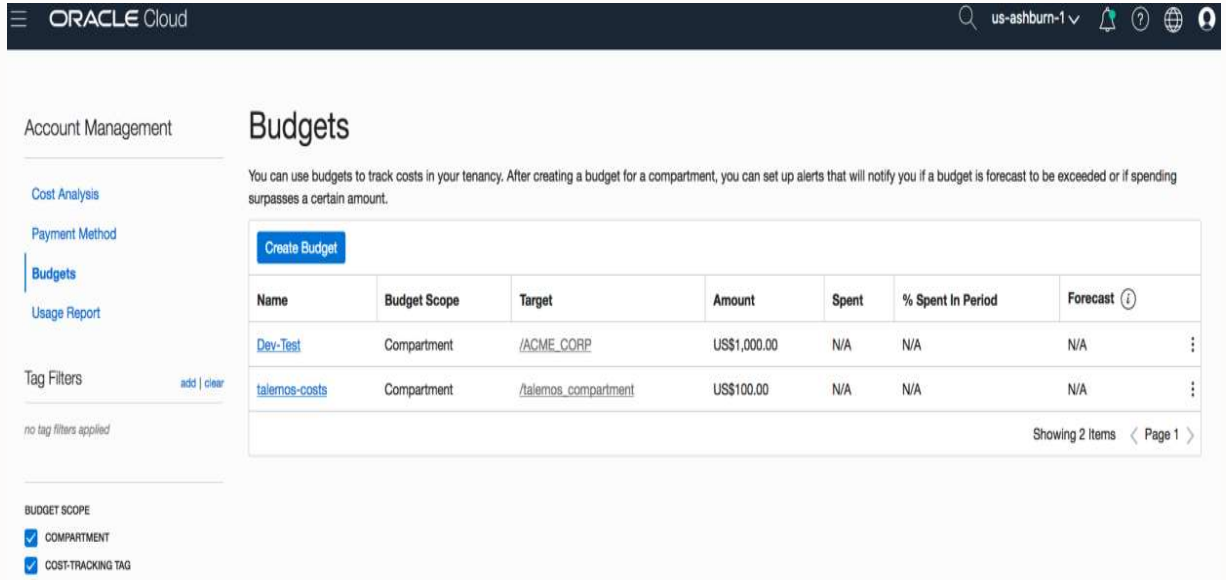
OCI Budget

- Track actual and forecasted spending for the entire tenancy or per compartment
- Set alerts on your budgets at predefined thresholds to get notified
- View all of your budgets and spending from one dashboard



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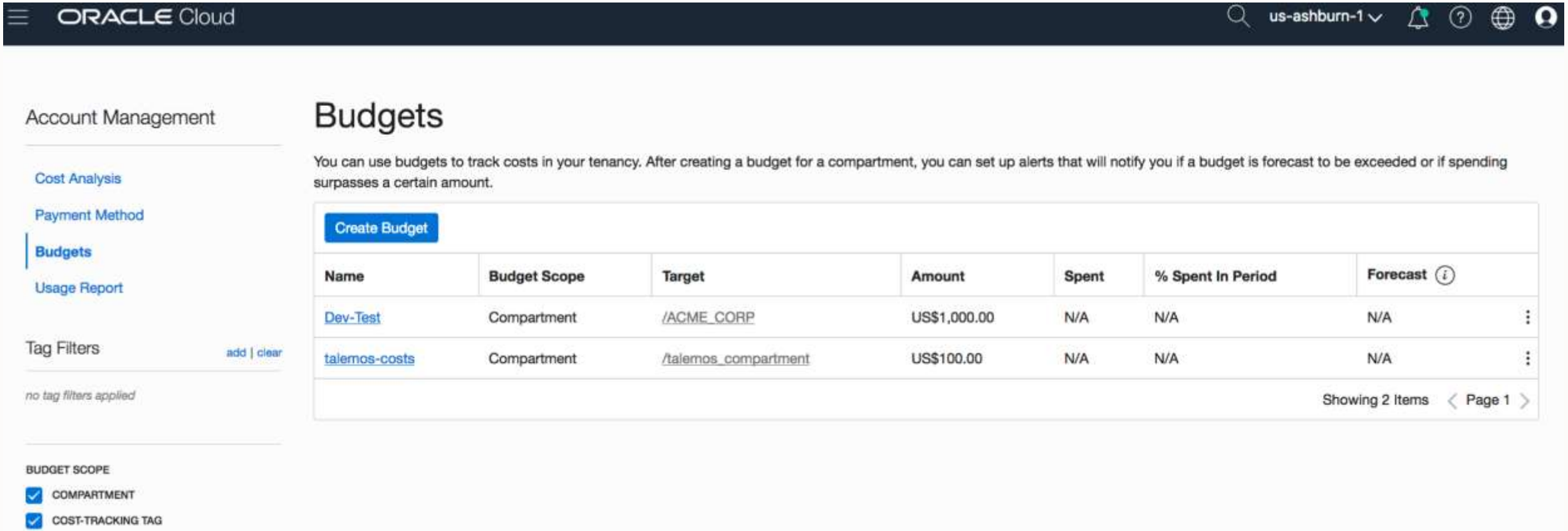
Oracle OCI Budgets console sample



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Accessing OCI Budgets and OCI permitios

IAM Policy	Description
Allow group accountants to inspect usage-budgets in tenancy	Accountants can inspect budgets including spend.
Allow group accountants to read usage-budgets in tenancy	Accountants can read budgets including spend (same as list).
Allow group accountants to use usage-budgets in tenancy	Accountants can create and edit budgets and alerts rules.
Allow group accountants to manage usage-budgets in tenancy	Accountants can create, edit, and delete budgets and alerts rules.

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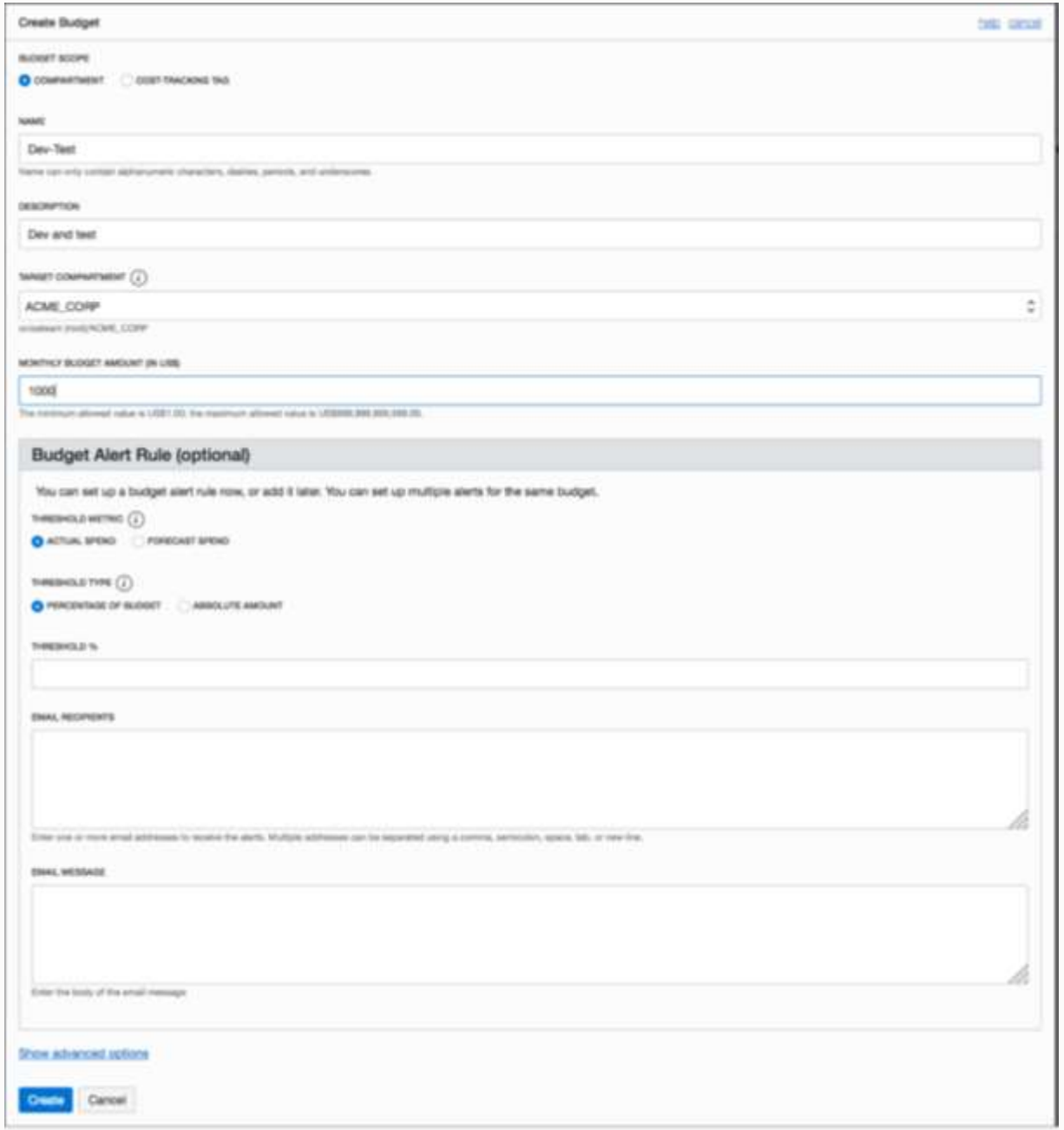
Create Budgets



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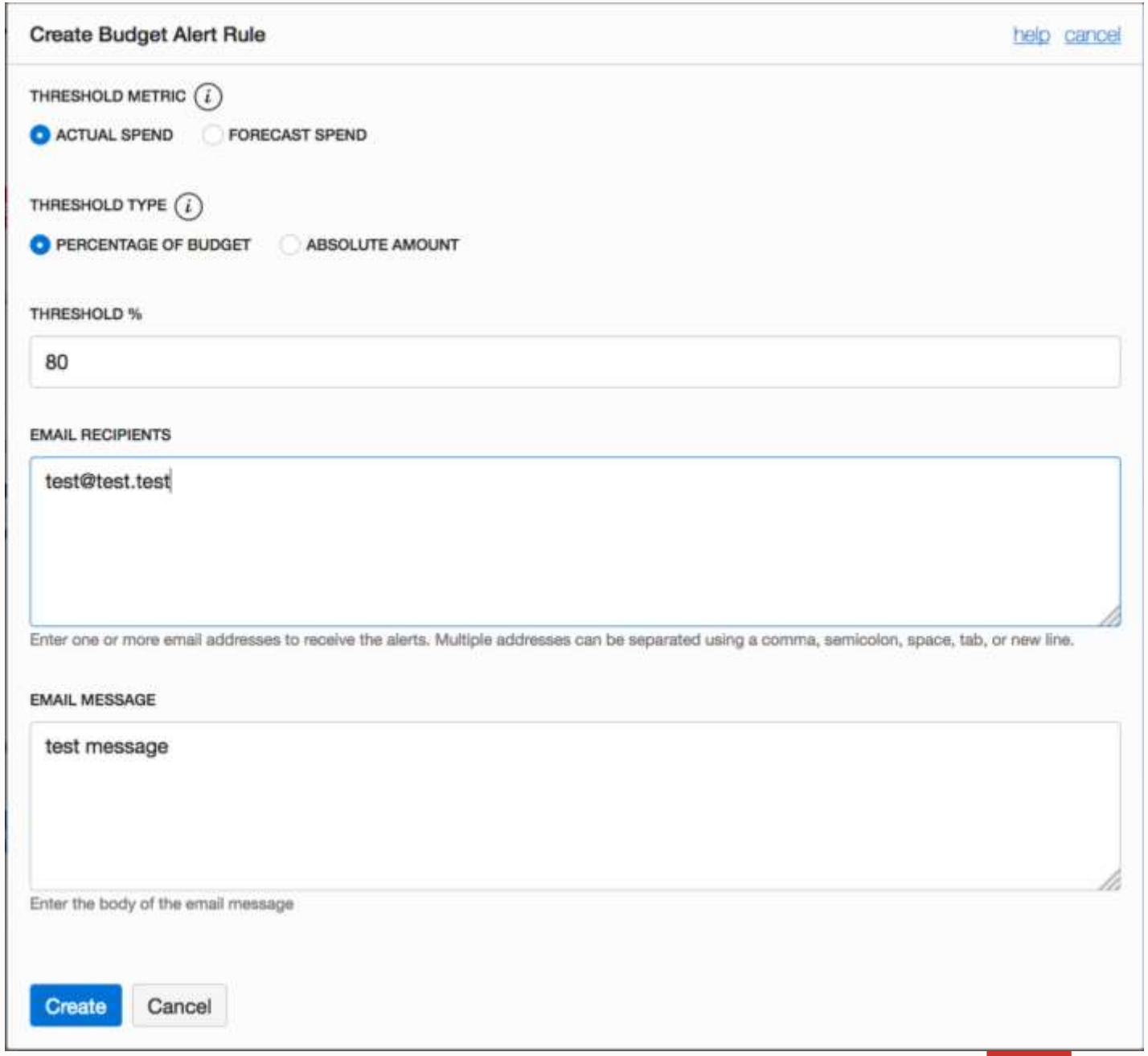
Budgets Alerts



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Budgets E-mail Alerts

ORACLE Cloud

Compartment:	philpoc
Budget:	Tenancy_Commitment
Monthly budget:	$700.00
Alert Type:	Forecast
Threshold:	100%
Spend in cycle:	$362.49
Forecast:	$749.14
Time in cycle:	15 / 31 days

Message from your administrator

You are getting this alert because you are forecasted to overspend your budget this month. Please take action to reduce your spending. If your increase in spending is required and you cannot find ways to save money, refer to internal guidelines at http://myintranetsite.com/accounting/budgets.

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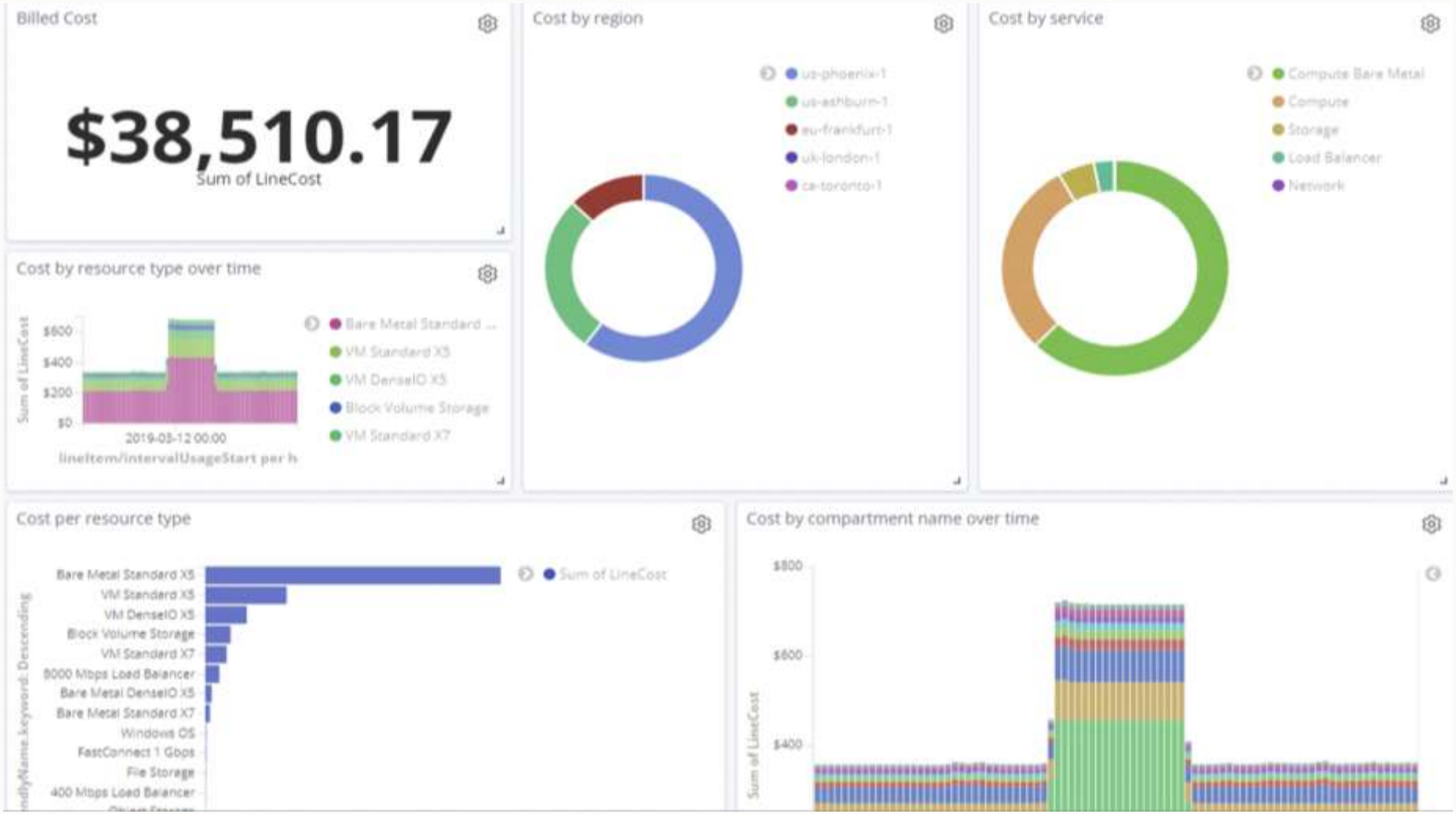
Sample dashboard from a usage report



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Cost Management Best Practices

- **Create a budget that matches your commitment amount and an alert at 100 percent of the forecast.**
- **Gives you an early warning if your spending increases and you're at risk of getting an overage.**
- **Use compartments for cost management along with access-control. Many customers set up one compartment per department for cost management and cross-charging.**
- **Use cost-tracking tags (like cost-center) to allocate cost in more granular ways.**
- **Enable monitoring on all resources. You can merge monitoring data with cost data to gain powerful insights on how to improve resource utilization.**
- **Use the usage report to analyze costs and drive custom solutions.**

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Service Limits, Quotas and Usage

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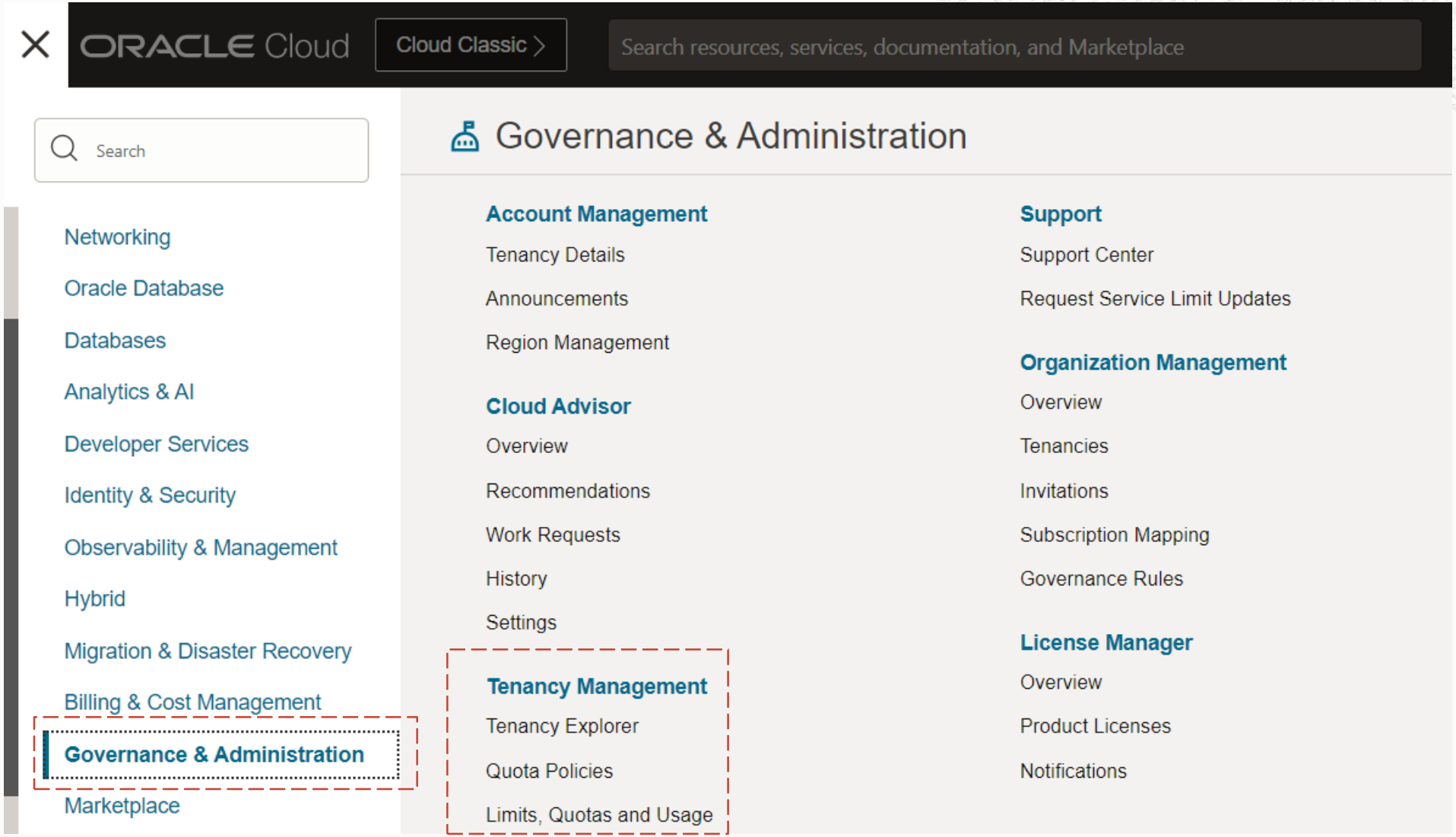
Oracle Service Limits, Quota and Usage on OCI console



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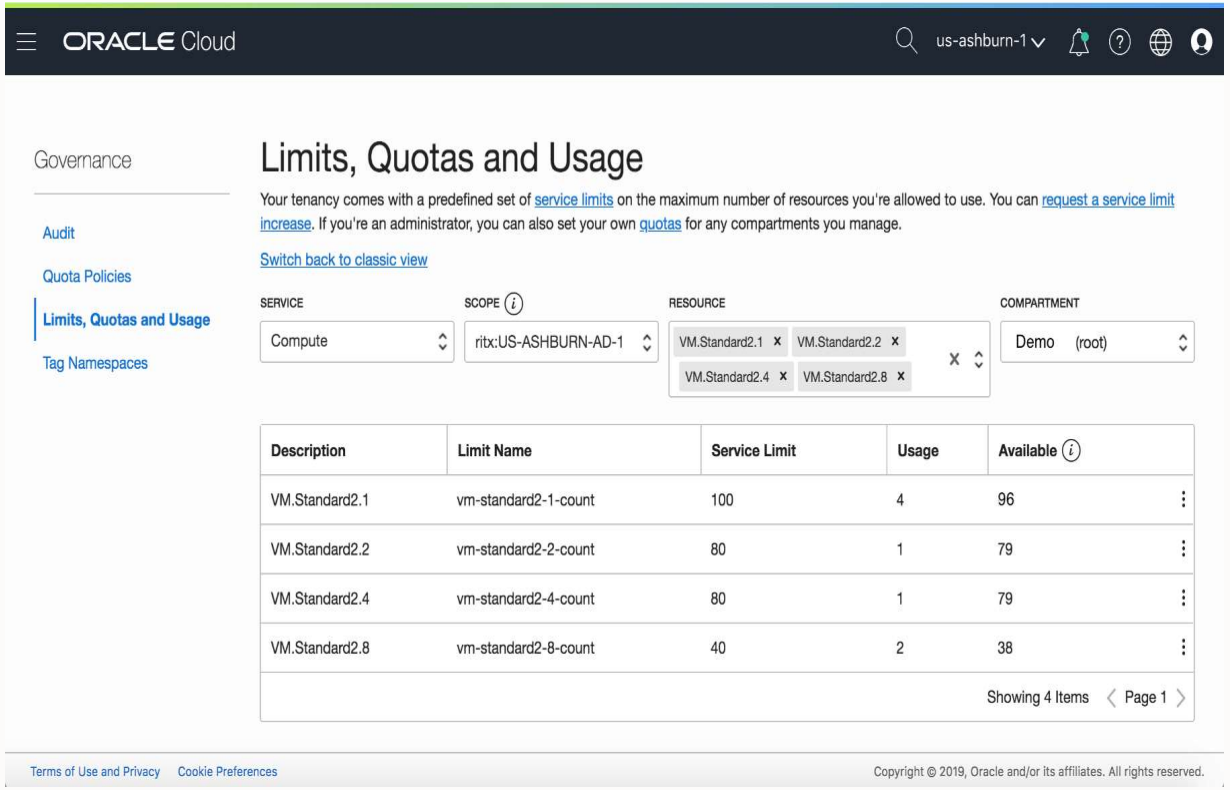
Service Limits and usage

- When you sign up for Oracle Cloud Infrastructure, a set of service limits are configured for your tenancy.
- The service limit is the quota or allowance set on a resource
- You can view your tenancy's limits, quotas, and usage in the Console.
- You can check Limits and Quotas before a deployment
- You can submit a request to increase your service limits from within the Console.



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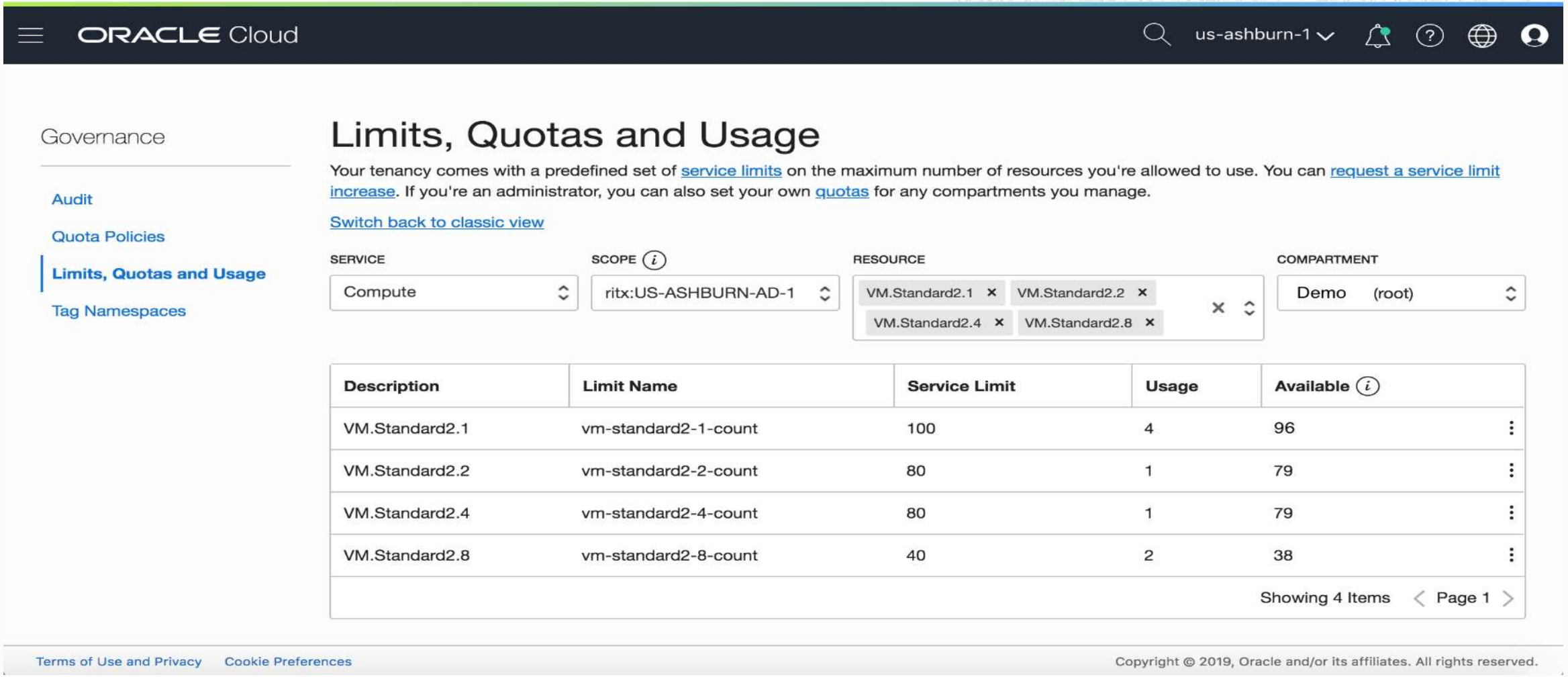

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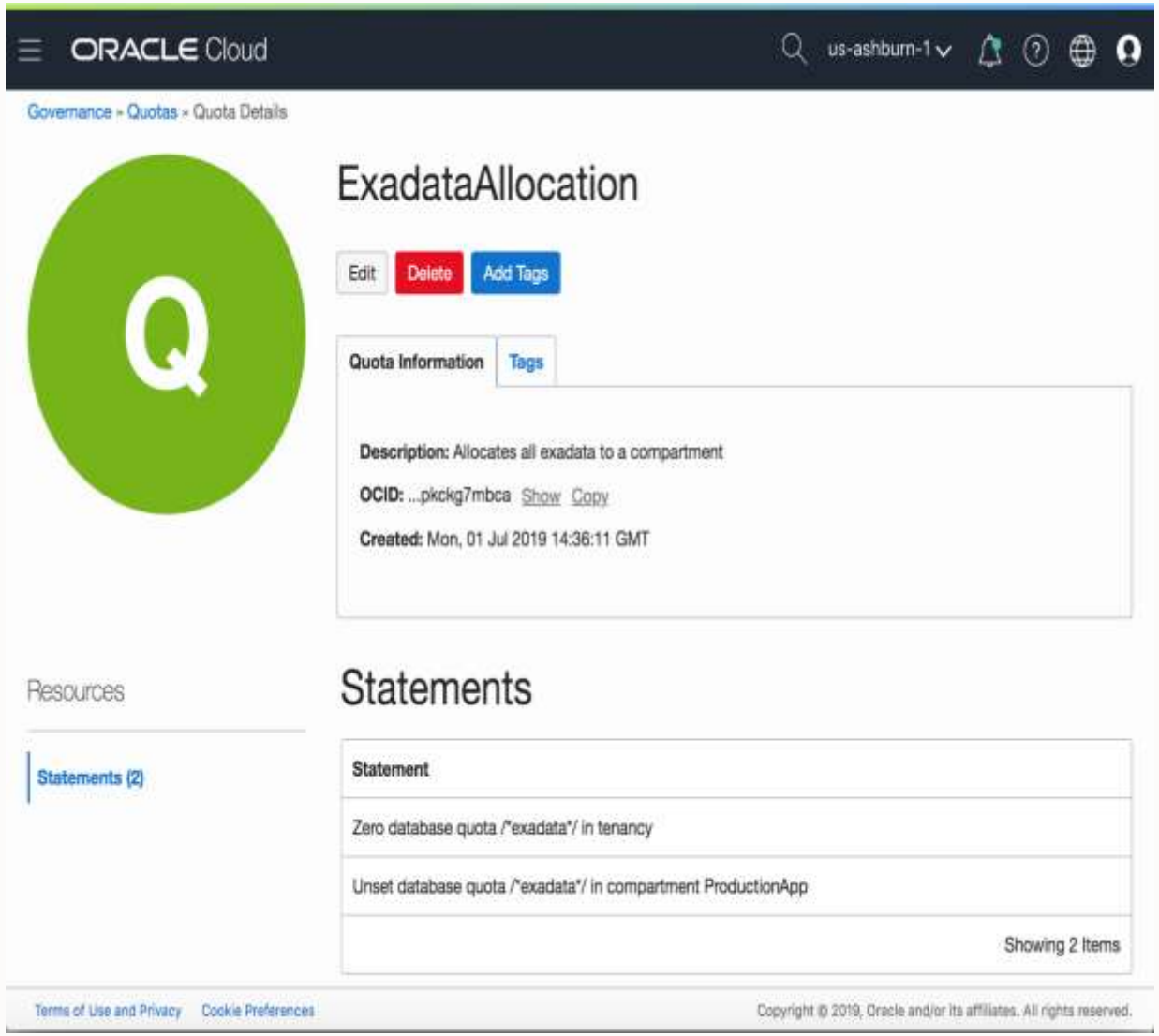
Compartment Quotas

- Quotas give you better control over how resources are consumed by letting you allocate resources to projects or departments
- Allocate high-value and expensive resources only to specific compartments
- Restrict a compartment's usage to a small set of resources, restrict resource counts or disable services as necessary
- Similar to Service Limits; but service limits are set by Oracle, and compartment quotas are set by administrators



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OCI Cloud Advisor

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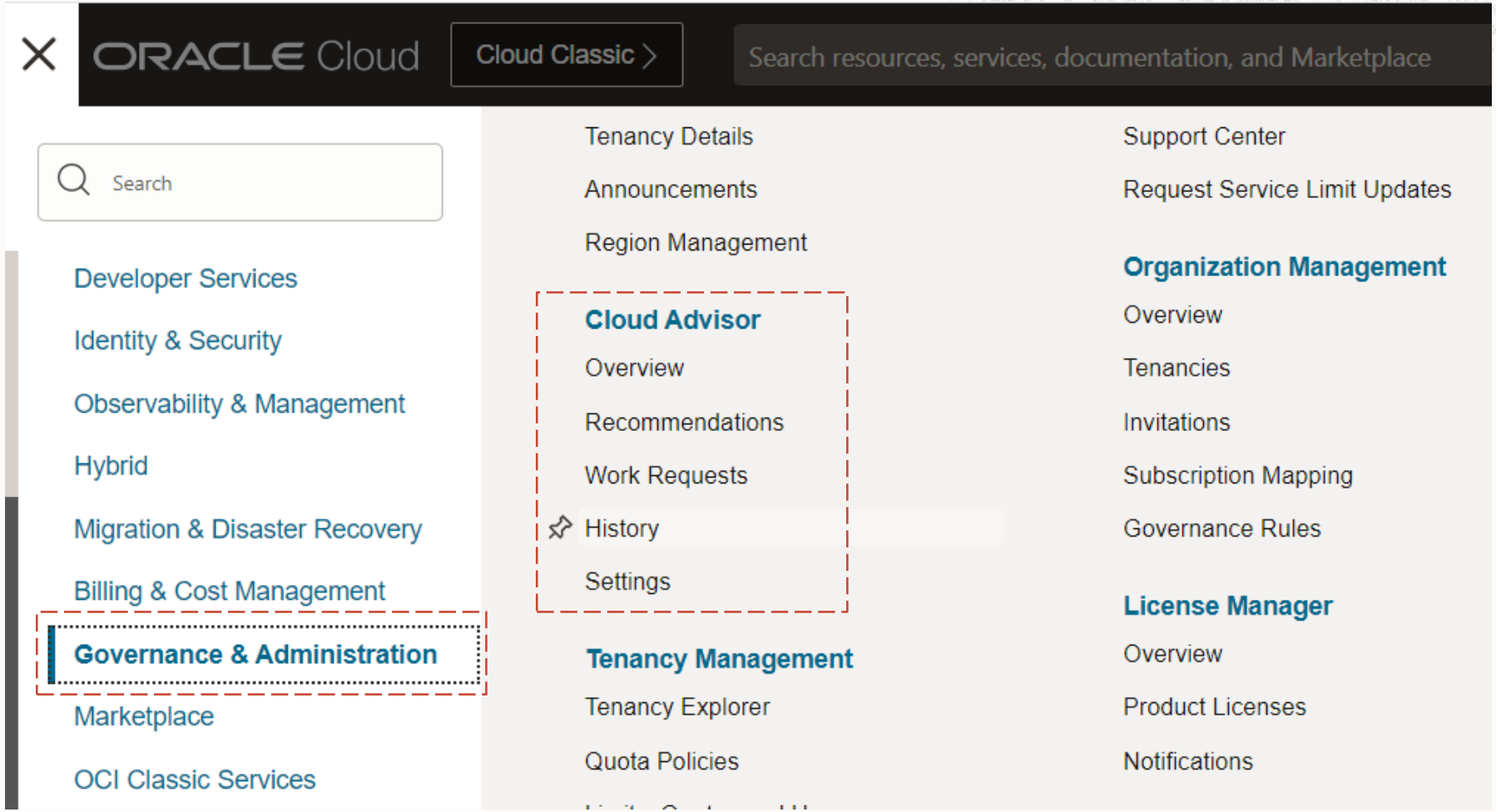
Oracle Cloud Advisor on OCI Console



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OCI License Manager

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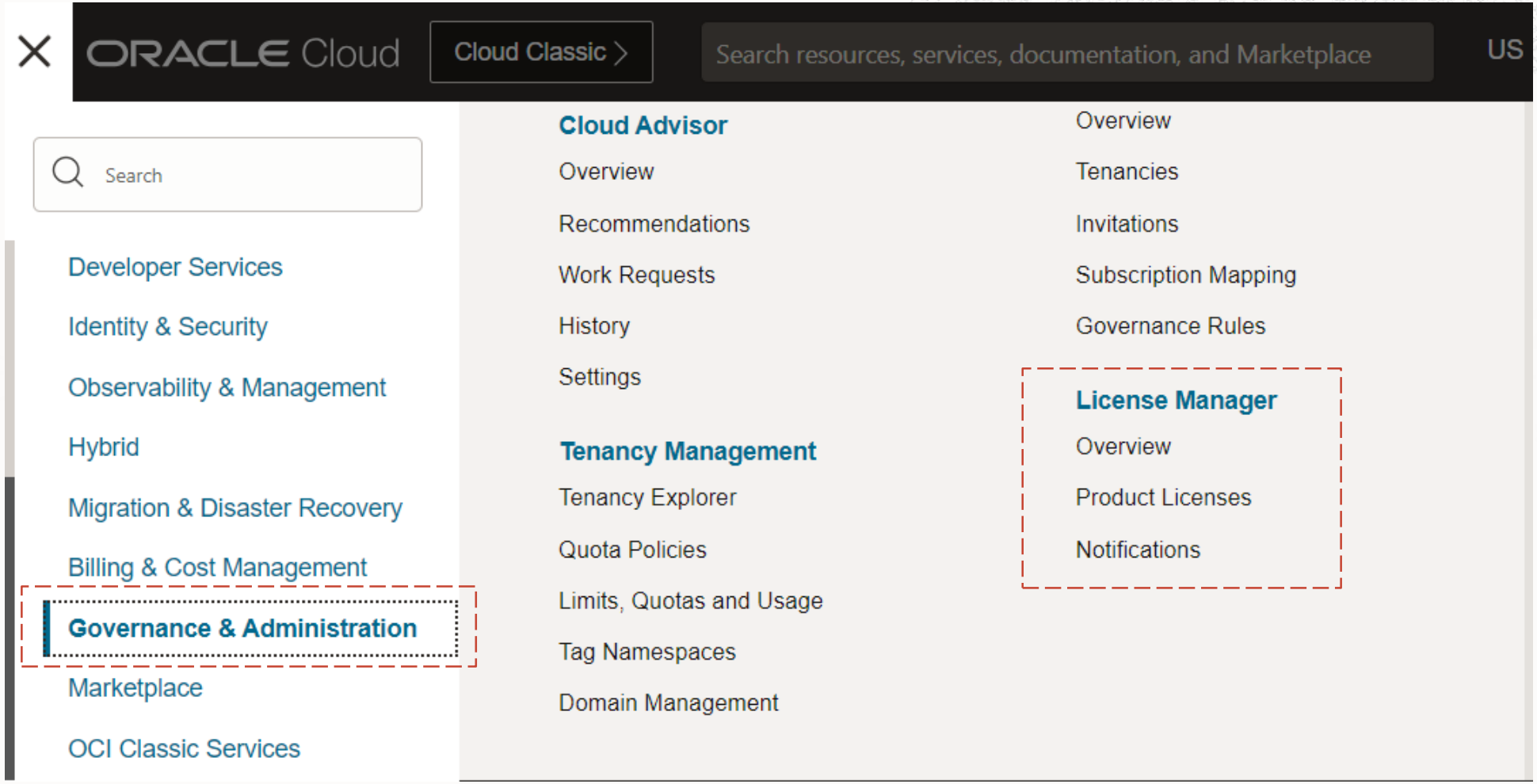
Oracle License Manager on OCI Console



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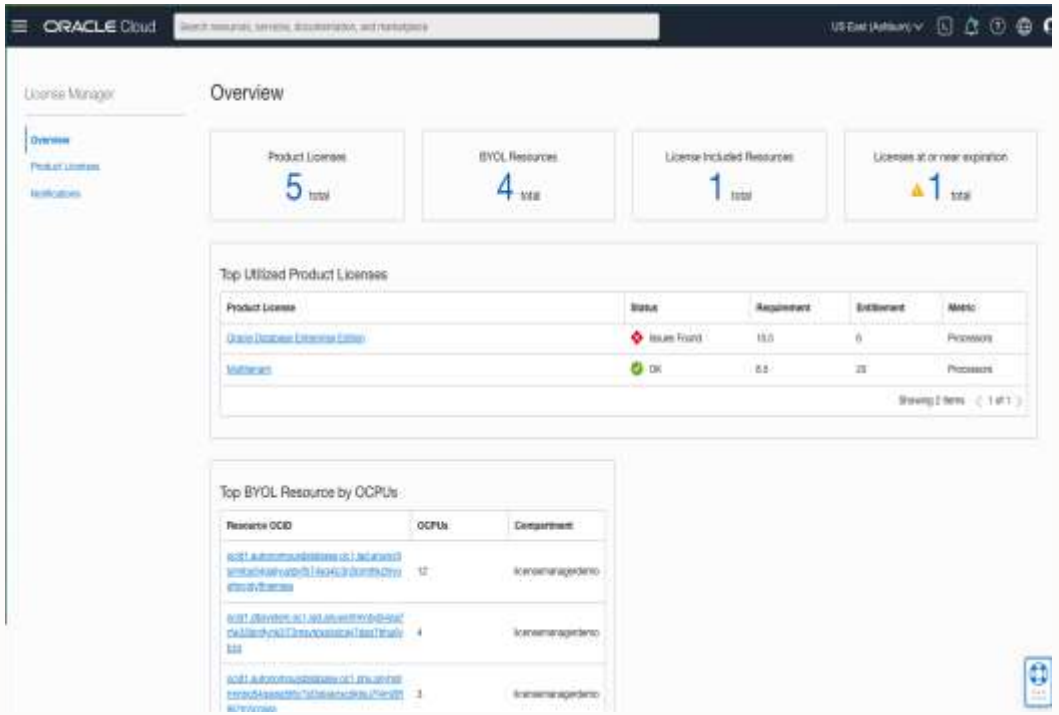
License Manager

License Manager is a free, opt-in service that makes it easier for you to Bring Your Own License (BYOL) on OCI with the following capabilities:

- Automating the license portability rules for Oracle Database products to OCI Database service
- Single pane of glass to track licensing needs on both IaaS and PaaS resources. Use the same tool to track Oracle and Third-party license utilization
- Pro-active email notification on over-subscription and license expiration scenarios.



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License Manager e-mail notification

Oracle

Dear Customer,

Re: License Manager Summary.

The following is a summary of License Manager items that require your attention for licensemanagerdemo as of date 05/09/2022.

Sincerely,
License Manager

Product Licenses Over Subscribed

Product Name	Metric	Requirement	Entitlement	License Records
Oracle Database Enterprise Edition	Processors	9	6	2

License Records near or past expiration date for License or Support Contract

Product Name	Metric	License Record Name	License Record Product Id	License Expiration Date	Support Contract End Date
Oracle Database Enterprise Edition	Processors	323213	231231231	05/03/2122	05/04/2022 - Expired

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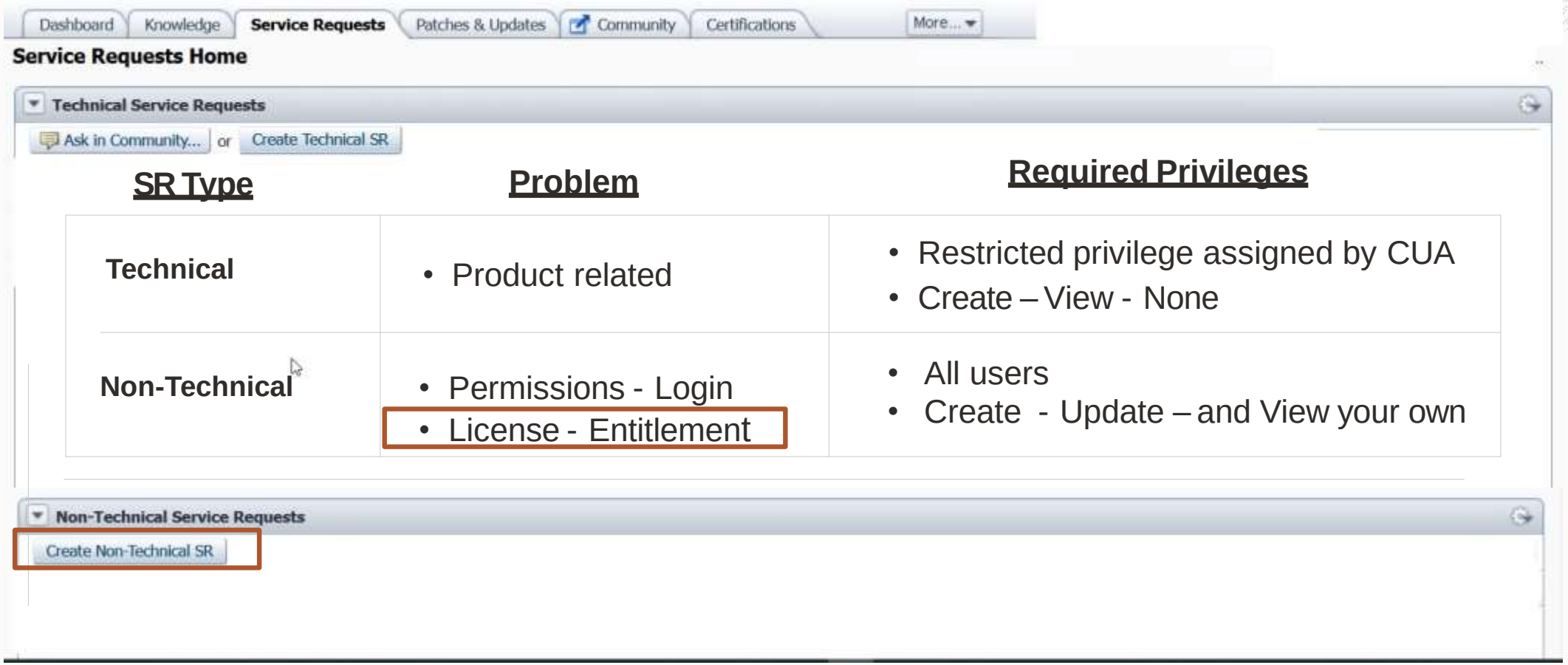
MOS Service SR Technical vs Non-Technical



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Oracle Software Investiment Advisor

Licensing Solutions

Can you help us understand the licensing implications of future technology decisions?"

Cloud Sizing

"What do we need to consider when moving parts of our existing environment to the cloud?"

Investment Economics

"How is our Oracle investment supporting the long-term goals of the business?"

Deployment Optimization

"How do I find out if my Oracle TCO is optimized across both on-premise and the cloud?"

License Knowledge Transfer

"Can you help us better understand our license and subscription terms and conditions?"

Entitlement Intelligence

"How do I find out the current state of our contractual agreements with Oracle?"

For more informatio contact sia-global_ww@oracle.com or visit www.oracle.com/goto/sia

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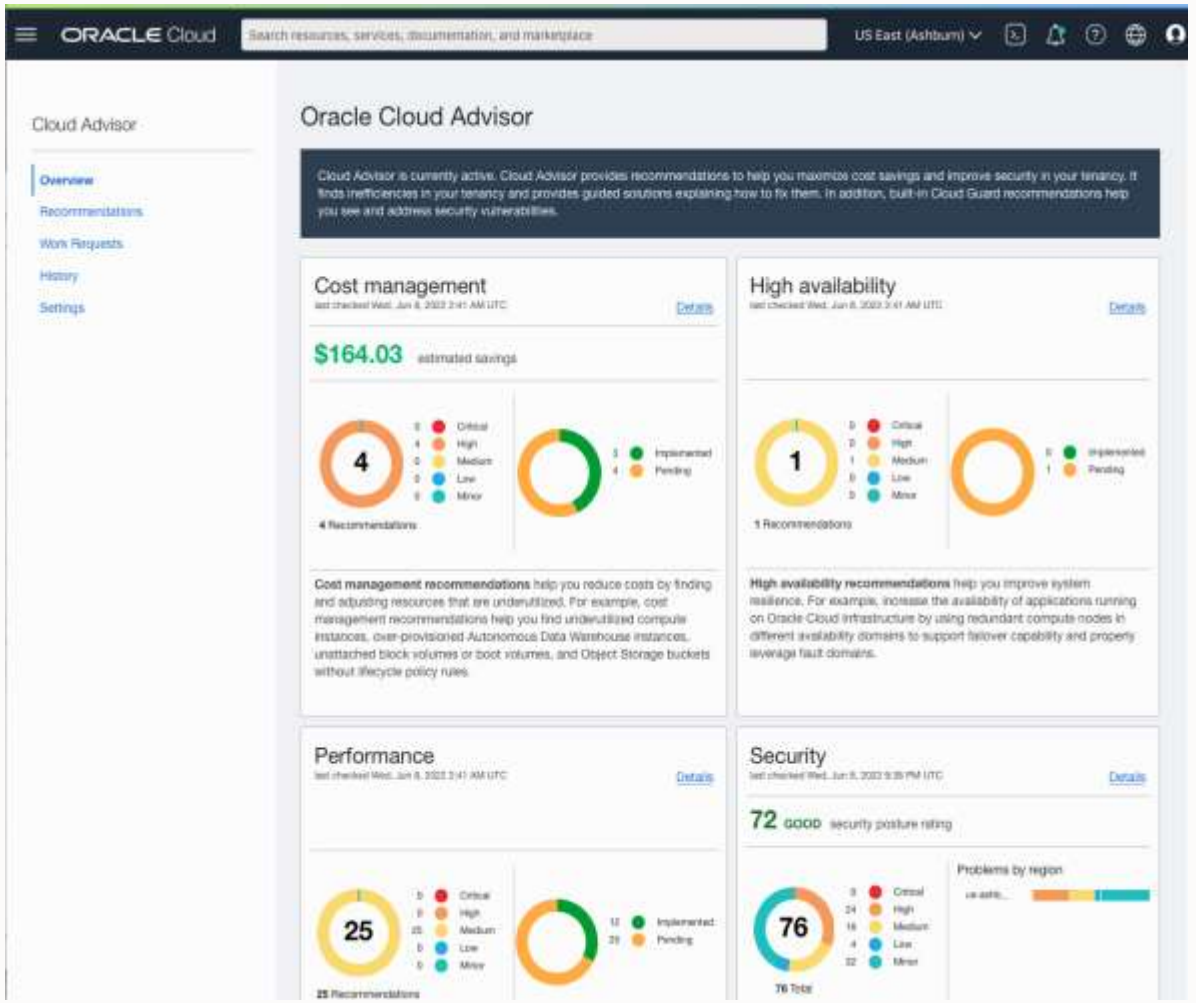
Oracle Cloud Advisor

Advisor is a recommendation engine that will guide you to implement best practices and optimize spending in OCI

- Continuously evaluates your resources, searching for improvement opportunities
- Provides cost management, performance, high availability, and security recommendations.
- Provides guidance for how to act on recommendation. When you're ready to downsize specific compute instances, Cloud Advisor provides a UI workflow for doing so



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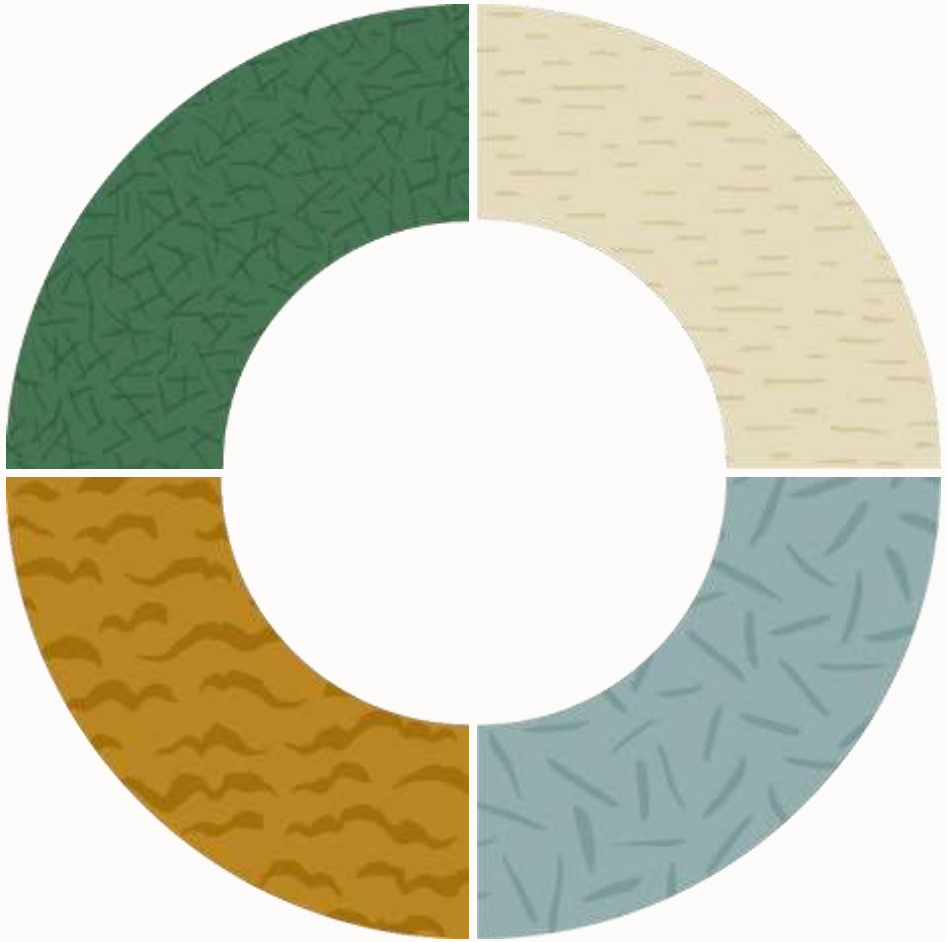
Summary of OCI Cost Management and Governance Services

Governance

A variety of cloud platform tools can help you manage your footprint on OCI more efficiently, Organizations, Compartments, Tagging will keep you in control.

Cost Optimization

Ensure that you're making the most of your cloud resources and rely on OCI to automatically identify and eliminate inefficiencies.



Cost Reporting

Visualize consumption information, dive deeper into resource-level granular reports, and create accountability against targets for your IaaS/PaaS or SaaS..

Cost Controls

OCI helps you track your budgets so that your cloud costs don't spiral out of control. With build-in extensibility, budgets can be integrated into the systems you already use to drive automated response.

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Resources

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- **OCI Licensing Manager Documentation**

https://docs.oracle.com/en-us/iaas/Content/LicenseManager/Concepts/licensemanageroverview.htm

- **OCI PaaS and IaaS Universal Credits Services Descritpion**

https://www.oracle.com/a/ocom/docs/paas-iaas-universal-credits-3940775.pdf

- **OCI Cost Estimator**

https://www.oracle.com/cloud/costestimator.html

- **Oracle Database Licensing Information User Manual**

https://docs.oracle.com/en/database/oracle/oracle-database/19/dblic/database-licensing-information-user-manual.pdf

- **Oracle Support Rewards Program**

https://www.oracle.com/br/cloud/rewards/

- **Software Investment Advisor**

https://www.oracle.com/br/cloud/rewards/

- **Check your expense and usage**

https://docs.oracle.com/en-us/iaas/Content/Billing/Concepts/costs.htm

- **Check your expense and usage**

https://docs.oracle.com/en-us/iaas/Content/Billing/Concepts/costs.htm

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- **OCI Cloud Advisor**

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Thank you

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