



ORACLE

Oracle Cloud Infrastructure Pricing and Billing

Oracle Corporation
Feb 2020

Agenda

Pricing Models

Pricing Example

Billing

Cost Management

Free Tier

Safe Harbor Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Pricing Models

Pay as you go (PAYG)

- Charged only for the resource consumed
- No upfront commitment
- No minimum service period
- Usage metered hourly
- Consumption based model for services like Oracle Functions

Monthly Flex (Universal Credits)

- A minimum of \$1000 monthly charge and a minimum 12 month fixed commitment
- Observed 33%-60% savings vs PAYG
- Discounts based on size of deal and term of deal
- Usage is consumed from monthly prepaid commitment

Bring Your Own License (BYOL)

- Apply your current on-premises Oracle licenses to equivalent, highly automated Oracle IaaS & PaaS services in the cloud
- Complete license mobility with on-premises

UC Price list, <https://www.oracle.com/cloud/ucpricing.html>

BYOL FAQs, <https://www.oracle.com/cloud/bring-your-own-license/faq/>

Factors that impact Pricing

Resource Size

Bigger resources cost more!

Data Transfer

No Ingress cost
Careful with Egress cost

Resource Type

VMs v/s BMs
VMs v/s Functions
BYOL v/s managed DBs..

All OCI regions have the
same pricing!

Resource Size

Bigger resources
cost more!

Resource Type

VMs v/s BMs
Intel v/s AMD
GPU, HPC

Product	Pay As You Go	Monthly Flex	Part Number	Metric
Windows OS	\$0.0204	\$0.0204	B88318	OCPU Per Hour
Virtual Machine Standard - X5	\$0.0638	\$0.0638	B88317	OCPU Per Hour
Compute - Virtual Machine Dense I/O - X7	\$0.1275	\$0.1275	B88516	OCPU Per Hour
Compute - Virtual Machine Standard - X7	\$0.0638	\$0.0638	B88514	OCPU Per Hour
Compute - Virtual Machine GPU Standard - X7	\$1.275	\$1.275	B88518	GPU Per Hour
Compute - Virtual Machine Standard - E2 Micro - Free			B91444	OCPU Per Hour
Compute - Standard - E2	\$0.03	\$0.03	B90425	OCPU Per Hour
Compute - HPC - X7	\$0.075	\$0.075	B90398	OCPU Per Hour
Compute - BM Standard - B1	\$0.0638	\$0.0638	B91119	OCPU Per Hour
Compute - VM Standard - B1	\$0.0638	\$0.0638	B91120	OCPU Per Hour
Compute - Microsoft SQL Enterprise - OCPU Per Hour	\$1.47	\$1.47	B91372	OCPU Per Hour
Compute - Microsoft SQL Standard - OCPU Per Hour	\$0.37	\$0.37	B91373	OCPU Per Hour

Block Volume Pricing

Block Volume Pricing

1. Storage cost (GB/month): \$0.0255

+

2. Performance cost (VPU/GB):

- NA for Basic
- 10 VPUs at \$0.017 for Balanced
- 20 VPUs at \$0.034 for Higher Performance

	VPUs/GB	IOPS/GB
Basic	NA	2
Balanced	10	60
Higher Performance	20	75

100 GB of BV

Basic



200 IOPS

Storage (S) : \$0.0255 x100

Performance (P) : \$0

Total (S) + (P) : \$2.55

Balanced



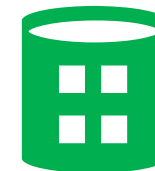
6000 IOPS

Storage (S) : \$0.0255 x100

Performance (P) : \$1.7

Total (S) + (P) : \$4.25

Higher Performance



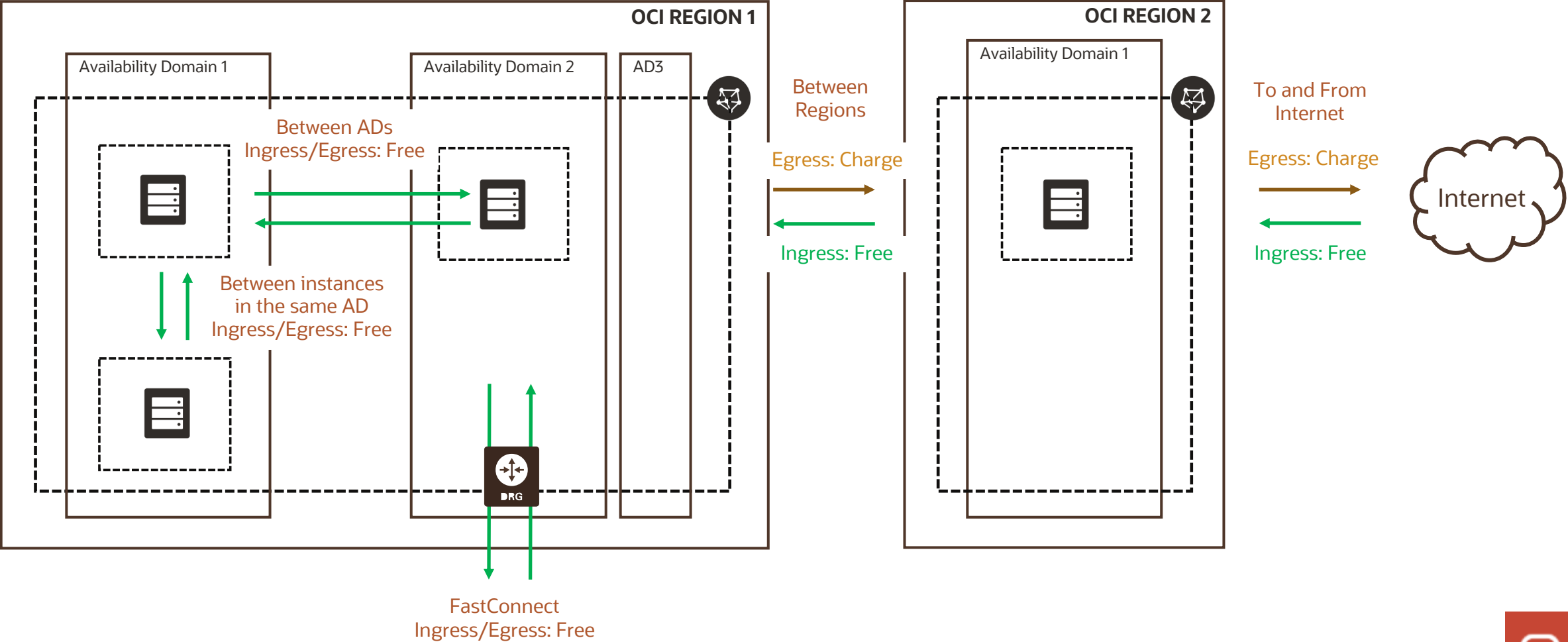
7500 IOPS

Storage (S) : \$0.0255 x100

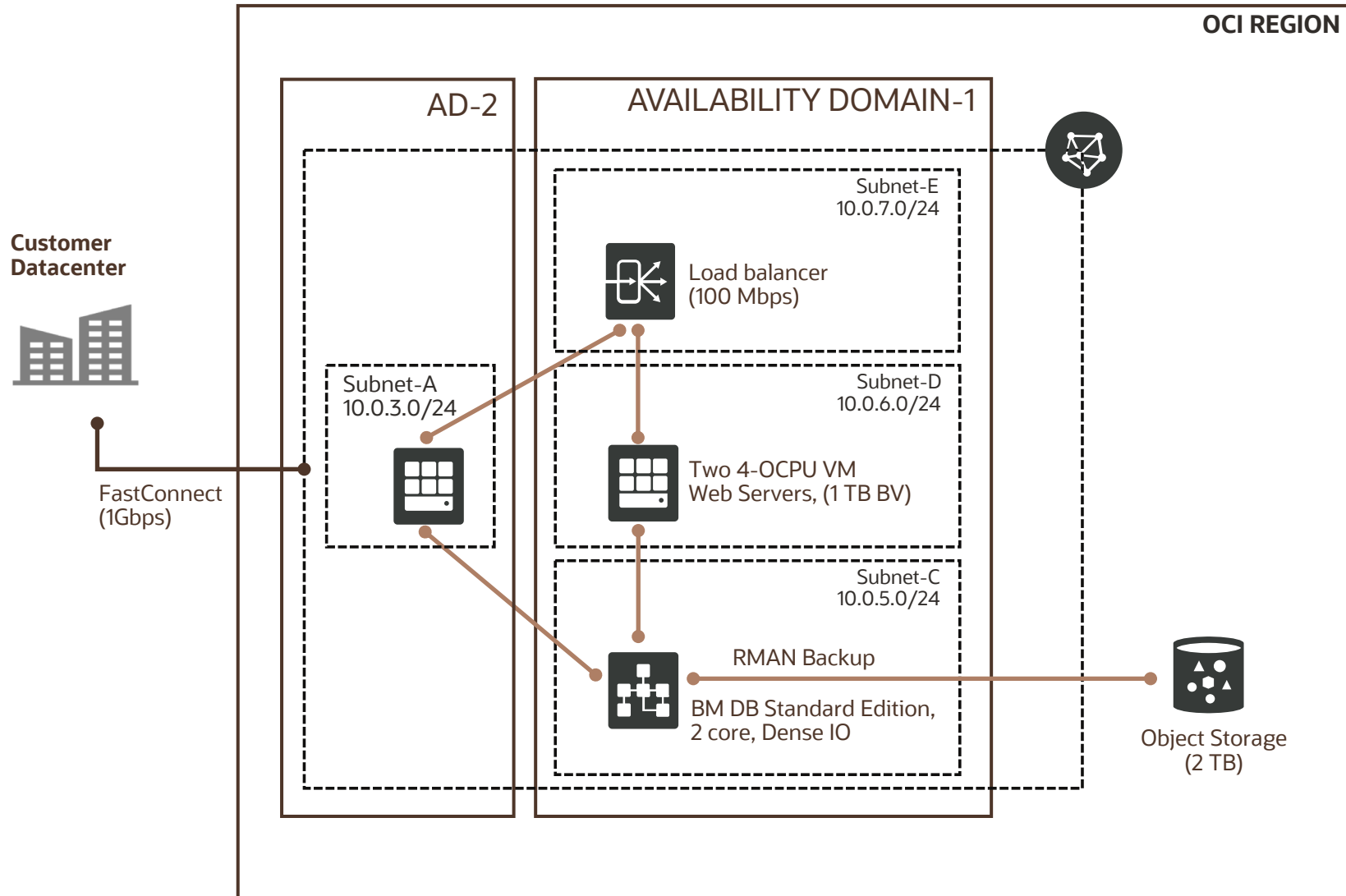
Performance (P) : \$3.4

Total (S) + (P) : \$5.95

Data Transfer costs



Pricing Example



- Two 4-OCPU Virtual Machine instances
- Total Block Volume Storage: 2 TB
- Object Storage Service: 2 TB
- Database Cloud Service: Standard Edition - Dense I/O
- Virtual Cloud Network: 10TB Outbound Data Transfer
- FastConnect: 1 Gbps*
- Load Balancer Service: 100 Mbps

Pricing Example

SKU Name	Part #	PAYG (USD)	Monthly Flex (USD)	Metric	Qty	PAYG Annual cost (USD)	Flex Annual cost (USD)
Oracle Cloud Infrastructure – Block Volume	B91961	\$0.0255	\$0.0255	GB/month	2000	\$612.00	\$612.00
Oracle Cloud Infrastructure – Block Volume Performance Units (High Performance)	B91962	\$0.0017	\$0.0017	VPUs/GB/month	2000	\$816.00	\$816.00
Oracle Cloud Infrastructure – Object Storage - Storage	B88324	\$0.0255	\$0.0255	GB/month	2000	\$612.00	\$612.00
Oracle Cloud Infrastructure – Object Storage - Requests	B88323	\$0.0034	\$0.0034	10K req/month	100	\$4.08	\$4.08
Oracle Cloud Infrastructure – Compute - Virtual Machine Standard - X7	B88514	\$0.0638	\$0.0638	OCPU/hour	8	\$4,556.80	\$4,556.80
Oracle Cloud Infrastructure – Outbound Data Transfer	B88327	\$0.0085	\$0.0085	GB/month	10	0	0
Oracle Cloud Infrastructure – Database Standard Edition - Dense I/O - X7	B89621	\$10.746	\$7.164	Hosted/Hr.	1	\$95,940.24	\$63,960.19
Oracle Cloud Infrastructure – FastConnect 1 Gbps	B88325	\$0.2125	\$0.2125	Port Hour	1	\$1897.20	\$1897.20
Oracle Cloud Infrastructure – 100 Mbps Load Balancer	B88319	\$0.0213	\$0.0213	Load Balancer Hour	1	\$190.16	\$190.16
Total						\$104,624	\$72,644



ORACLE

Billing and Cost Management

Cost Tracking Tags

Governance » Tag Namespaces » Tag Namespace Details

Finance

NS ACTIVE

Add Tags Move Tag Namespace Retire Namespace Delete Tag Namespace

Tag Namespace Information Tags

Description: CostCenter
OCID: ...5frc3q Show Copy
Number of Cost-tracking Tags: 0

Tag Key Definitions in this Namespace

Create Tag Key Definition

This Tag Key Definition will be created in the "Finance" Namespace

TAG KEY

CostCenter

Spaces and periods are not allowed.

DESCRIPTION

Cost center tags

☒ COST-TRACKING ⓘ

TAG VALUE TYPE

☐ STATIC VALUE
User can enter a string to set the value for this key

☒ A LIST OF VALUES
User selects from a list to set the value for this key

VALUES

Marketing
Operations

Separate multiple values with new lines

Create Tag Key Definition

Compute » Instances » Instance Details

web server AD2

Start Stop Reboot Move Resource Apply Tag(s) Actions

Instance Information Tags

No Tags

There are no tags associated with this resource.

Apply Tag(s)

What is tagging?

Apply One or More Tags to This Resource

What is tagging?

Tagging is a metadata system that allows you to organize and track resources within your tenancy. Tags are composed of keys and values that can be attached to resources.

[Learn more about tagging](#)

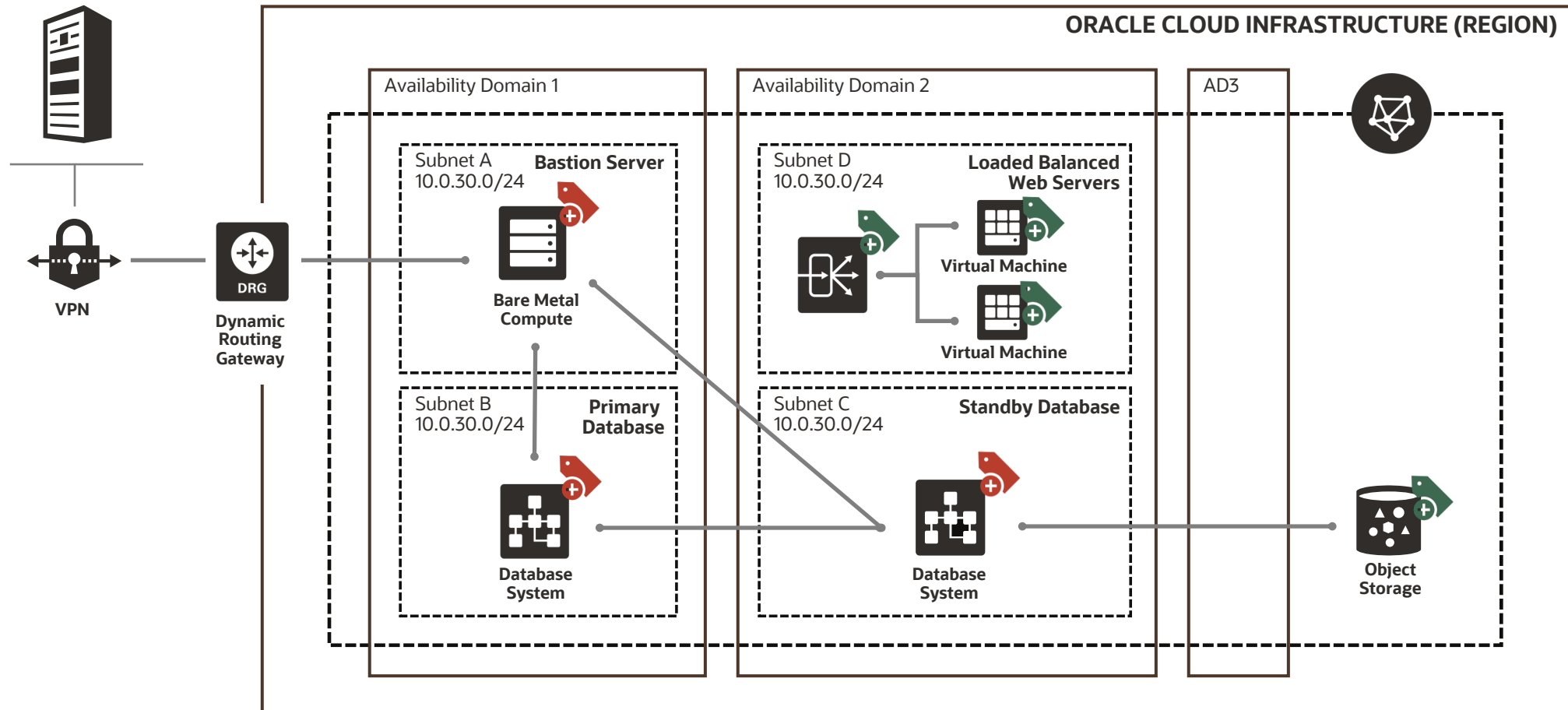
TAG NAMESPACE TAG KEY VALUE

Finance CostCenter Marketing

Apply Tag(s)



Tag all resources



Cost Analysis

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

ORACLE Cloud us-ashburn-1

Cost Analysis

Free Trial Trial Credits Used US\$1,007.16 / US\$5,000.00 Total Days Used 175 / 365 Upgrade account

Filters

START DATE: Feb 1, 2019 END DATE: Mar 15, 2019 COMPARTMENT: Filter by Compartment TAG KEY: Filter by Tag TAG VALUE: Apply Filters

Feb 1, 2019 - Mar 15, 2019

Total Usage Charges US\$734.81

Service	Total Cost	Total Cost Trend (Feb 1, 2019 - Mar 15, 2019)
> Compute	US\$676.81	
> Block Storage	US\$58.00	
> Object Storage	US\$0.00	

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Filtering the usage by tags will show you only the costs generated by the resources tagged with "Finance.CostCenter=Marketing"

Budgets

- A monthly threshold you define for your Oracle Cloud Infrastructure spend
- Can be set on cost-tracking tags or compartments and track all spending in the cost-tracking tag or compartment and any child compartments
- Can define email alerts that get sent out for your budget
- Alerts are evaluated every 15 minutes, and can be triggered when your actual or forecasted spending hits either a budget % or a specified amount

Create Budget

BUDGET SCOPE

☒ COMPARTMENT ☐ COST-TRACKING TAG

NAME

Name can only contain alphanumeric characters, dashes, periods, and underscores.

DESCRIPTION

TARGET COMPARTMENT ⓘ

intoraclerohit (root)

MONTHLY BUDGET AMOUNT

The minimum allowed value is 1; the maximum allowed value is 999,999,999,999.

Budget Alert Rule (optional)

You can set up a budget alert rule now, or add it later. You can set up multiple alerts for the same budget.

THRESHOLD METRIC ⓘ

☒ ACTUAL SPEND ☐ FORECAST SPEND

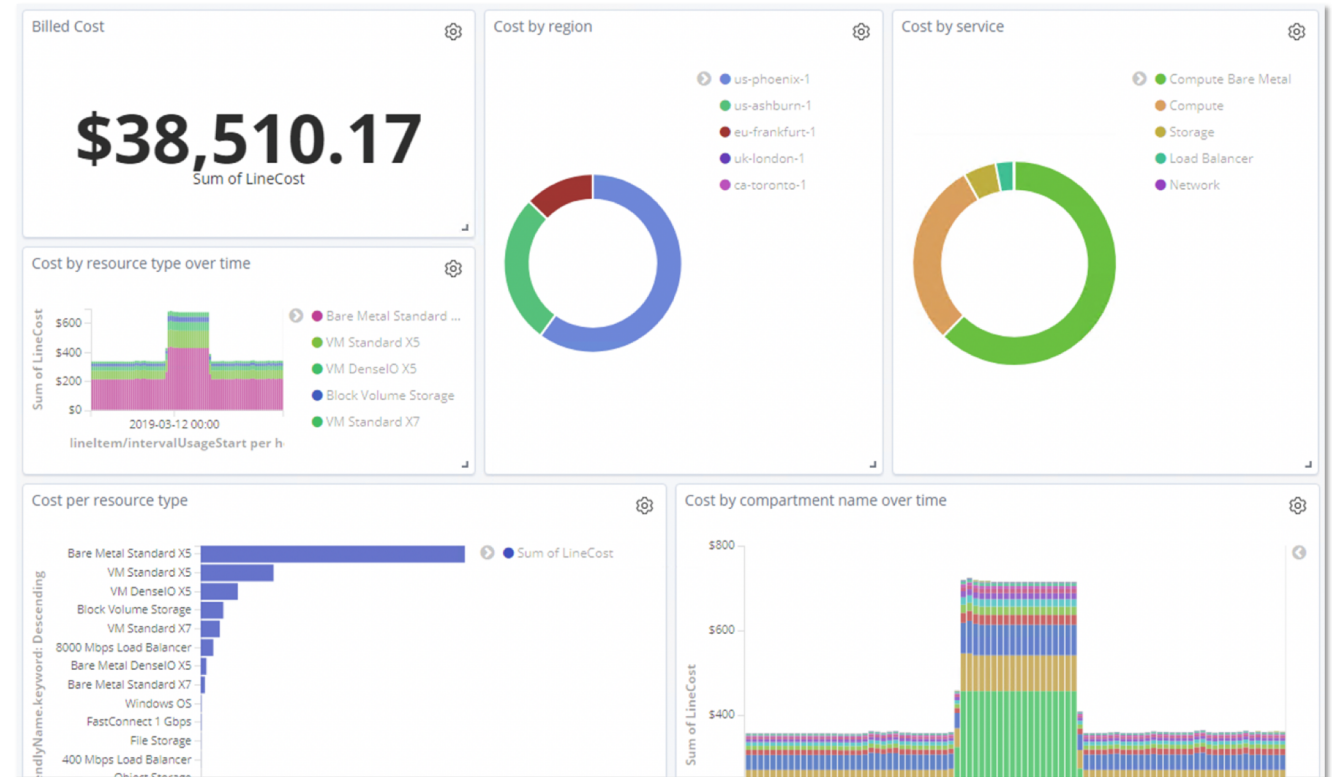
THRESHOLD TYPE ⓘ

☒ PERCENTAGE OF BUDGET ☐ ABSOLUTE AMOUNT

THRESHOLD %

Usage Reports

- Detailed information about your Oracle Cloud Infrastructure consumption
- CSV file with one record per resource per hour with metadata and tags
- Automatically generated daily, and stored in an Oracle-owned object storage bucket
- Contain 24 hours of usage data
- Retained for one year





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Free Tier

Oracle Cloud Infrastructure Free Tier + Always Free

Free Tier

- \$300 free credits valid for 30 days
- Access to a wide range of OCI services
- May be used until your US\$300 of free credits are consumed or the 30 days has expired, whichever comes first.
- Up to eight instances across all available services
- Up to 5 TB of storage

Always Free

- Services you can use for an unlimited time.
- Two Oracle Autonomous Databases
- Two OCI Compute VMs; Block, Object, and Archive Storage; Load Balancer and data egress; Monitoring and Notifications

<https://www.oracle.com/cloud/free/#free-cloud-trial>

Summary

Pricing Models

Pricing Example

Billing

Cost Management

Free Tier



Oracle Cloud always free tier:

oracle.com/cloud/free/

OCI training and certification:

cloud.oracle.com/en_US/iaas/training

cloud.oracle.com/en_US/iaas/training/certification

education.oracle.com/oracle-certification-path/pFamily_647

OCI hands-on labs:

ocitraining.qcloudable.com/provider/oracle

Oracle learning library videos on YouTube:

youtube.com/user/OracleLearning

Thank you

