



ORACLE

DOUG-Day 2022

EMEA Oracle Community Tour 2022

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Senior Principal Product Manager

Photo by [Robert Katzki](#) on [Unsplash](#)





DANIEL OVERBY HANSEN

Senior Principal Product Manager
Cloud Migration

 <https://dohdatabase.com>

 dohdatabase

 @dohdatabase

Thank You

Jeanette, Charlotte, Tove, Dimitri, Steen, Robert

EMEA Community Tour

Christian
Edelweiss
Lino
Nelson
Patrick



The
Oracle ACE
Program





MASH

Mentor and Speaker Hub

<https://mashprogram.wordpress.com>

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CloudWorld

October 17-20 Las Vegas



#OCW22

oracle.com/cloudworld

Luk


CPH – LAS

09:30 – 15:55

1 mellemlanding, **LAX**
[SAS Go Pro](#)
LAS – CPH

08:00 – 11:55 +1

1 mellemlanding, **SFO**
[SAS Go Smart](#)

Rejsende 1

12.597 DKK

[Skjul detaljer](#)

voksen, tur retur

Billetpris

9.434 DKK

[Skatter og afgifter](#)

3.163 DKK

TUR-RETUR

CPH – LAS
LAS – CPH

DATOER

17 OKT – 21 OKT

REJSENDE

1 voksen


I ALT
12.597 DKK
[Inkl. 3.163 DKK](#)
[Skatter og afgifter](#)
FORTSÆT

Free Digital Passes

- Keynotes
- Solution keynotes
- Sessions
- Oracle TV
- Digital Peer Networking



Oracle Database 23c





ORACLE
CloudWorld

“The multicloud
era has begun.”

LARRY ELLISON
CTO, Oracle

Multicloud

1

Oracle Interconnect
for Azure

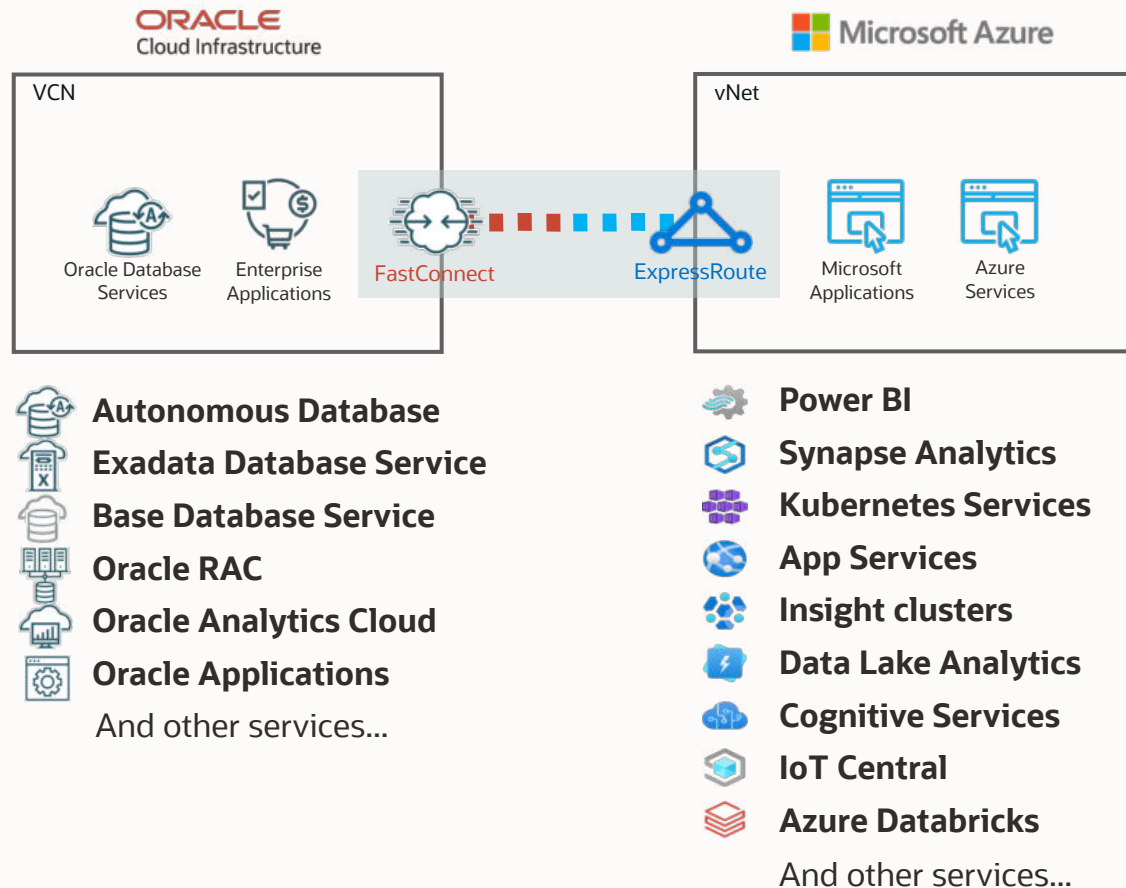
2

Oracle Database Service
for Azure

3

MySQL HeatWave
on AWS

Oracle Interconnect for Azure



FastConnect and ExpressRoute

- ✓ Secure, private, and direct connection
- ✓ No intermediate service provider required
- ✓ No ingress/egress charges in either direction

High and Predictable Performance

- ✓ High bandwidth up to 100 Gbps
- ✓ Sub 2ms low latency
- ✓ 99.95% Availability SLA

Simplified Implementation

- ✓ One-time setup
- ✓ Terraform scripts for automated deployment

Oracle Interconnect for Azure | Latency

Azure ↔ OCI

- [Accenture](#)
- [ITConvergence](#)

1.5ms

1.2 to 2.1ms

Azure **London** ↔ OCI **London**

- [medium.com](#)
- [blog.maxjahn.at](#)

1.36ms

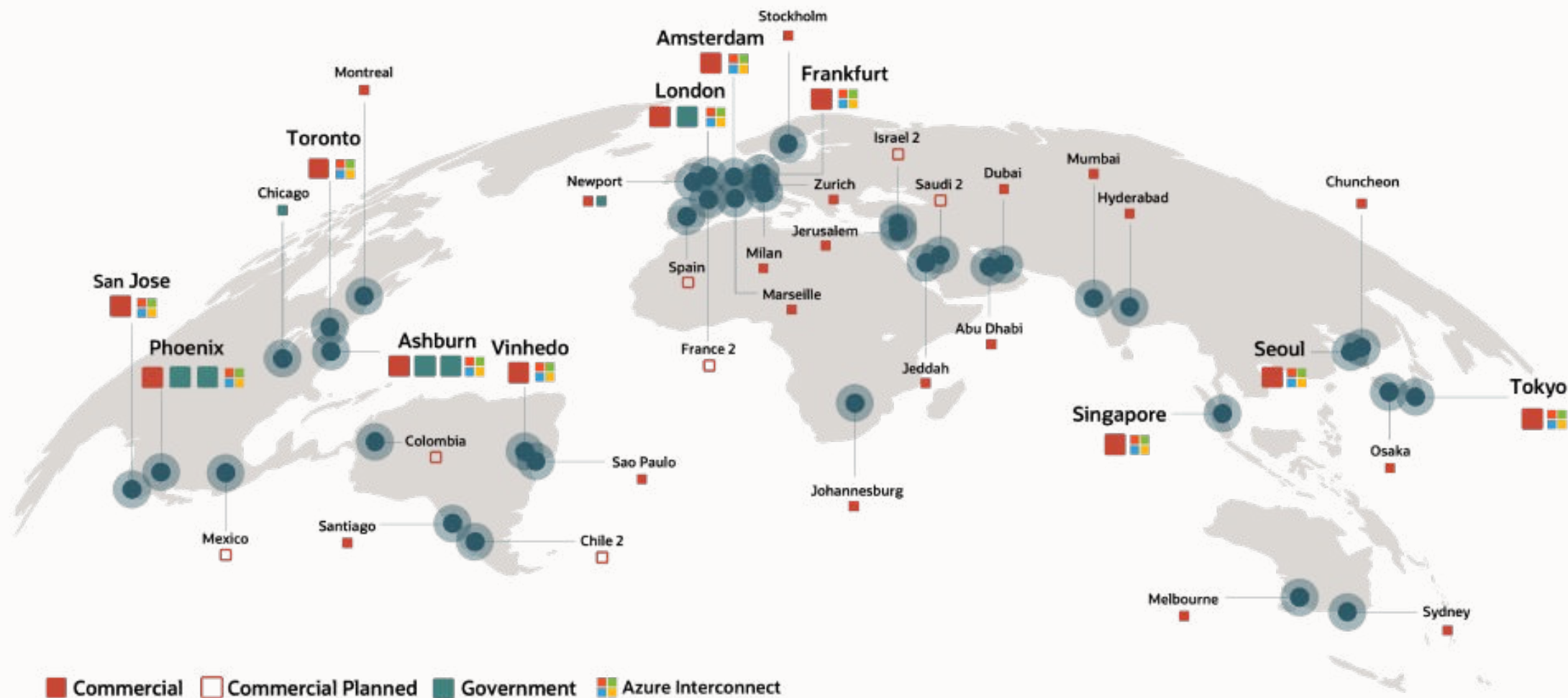
1.79ms

Azure **Amsterdam** ↔ OCI **Amsterdam**

- [blogs.oracle.com](#) - [Advatech](#)
(AZ3 in Azure to OCI – numbering might differ)

1.1ms

Oracle Interconnect for Azure | Available in 11 regions



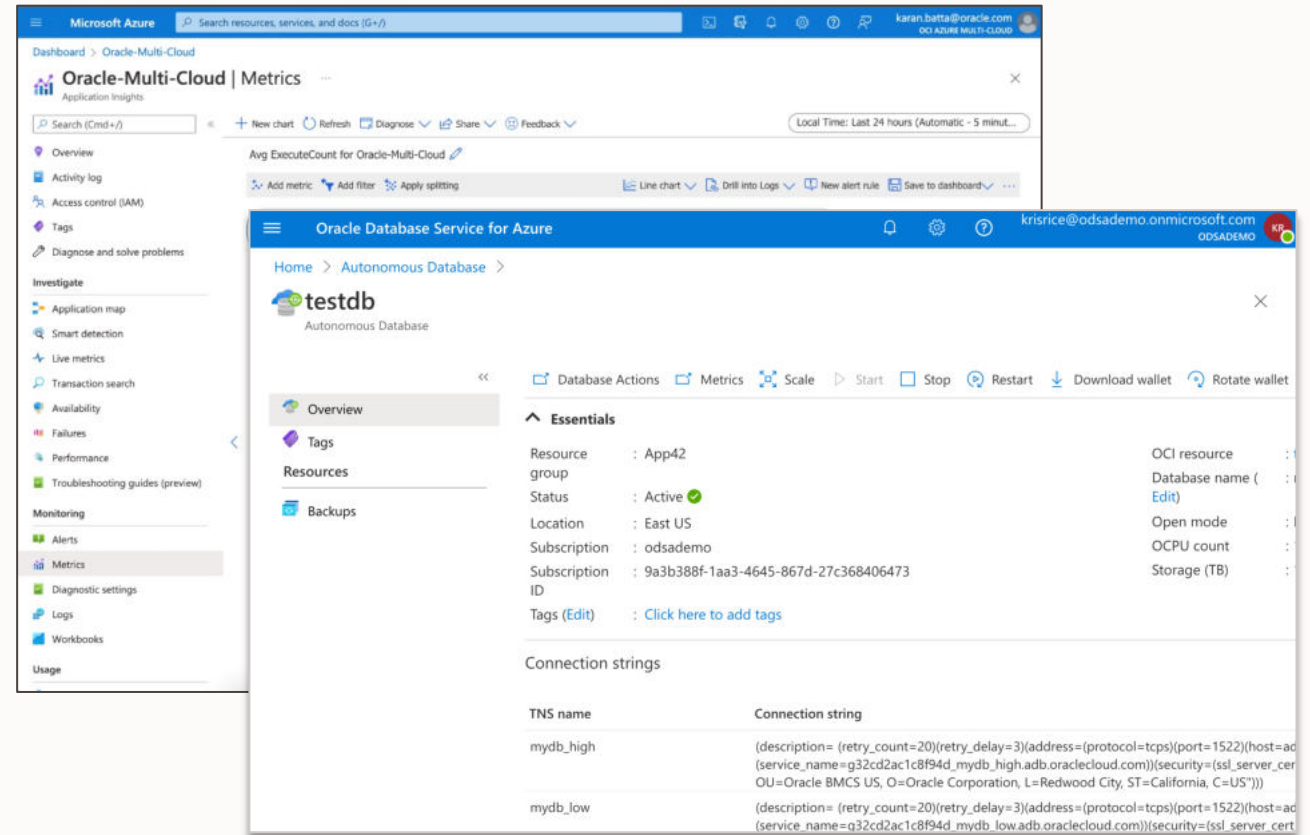


Oracle Database Service for Azure (ODSA)



Oracle Database Service for Azure

An Oracle managed service that enables customers to easily provision and manage Oracle databases running on OCI using an Azure-native API and console experience.



1. Connect Azure and OCI
2. Provision OCI databases
3. Use your OCI database like an Azure resource
4. OCI manages Azure to OCI networking

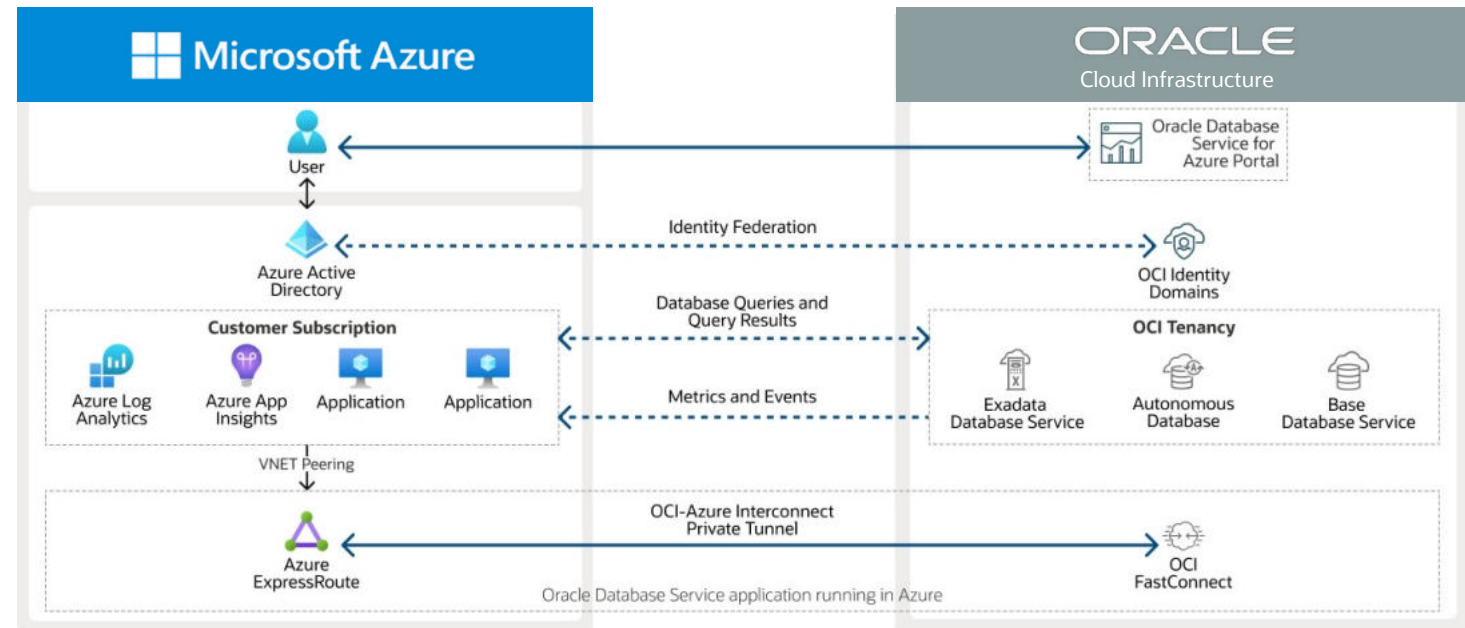
Oracle Database Service for Azure

Familiar Azure user experience

- Automated identity, networking, and monitoring integration
- < 2 ms latency private interconnect – suitable for nearly any app
- No additional cost

Access OCI database services

- Zero downtime high availability with native Oracle RAC
- Scales up to 31 PB data warehouses and 10 million+ SQL IOPS
- Completely hands-off, multi-modal Autonomous Database

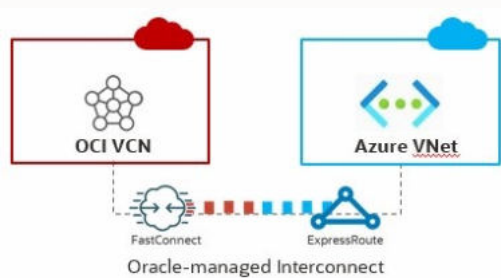


Oracle Database Cloud Service for Azure (ODSA)

Simpler, More Powerful Multicloud Architecture

1

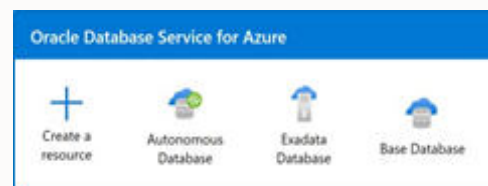
Oracle-managed Azure Interconnect



Automatically configures the network between your Azure and Oracle accounts

2

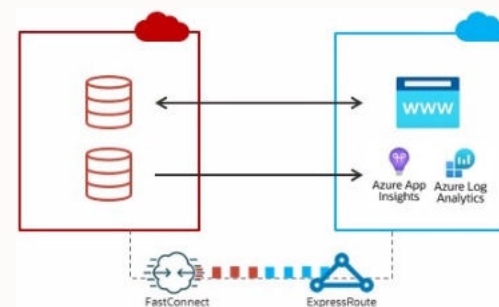
Azure-like portal and Terminology



Create and manage your Oracle databases running in OCI as if they were Azure resources

3

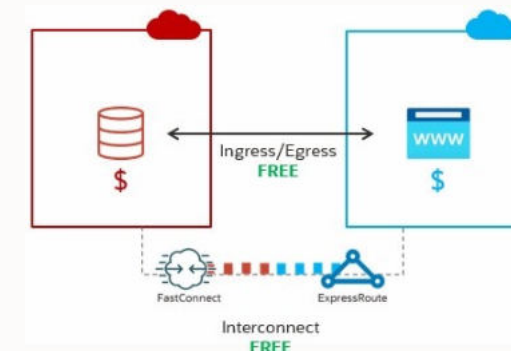
Database Access, Metrics & Events



Resources in Azure access Oracle Databases in OCI & metrics and events streamed to Azure

4

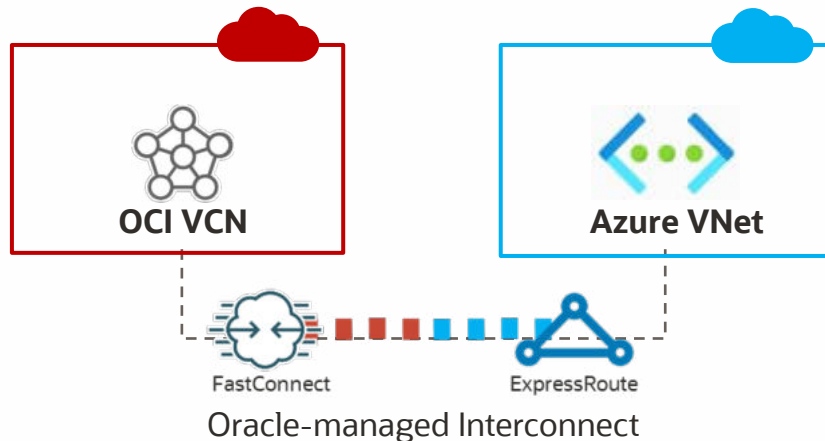
Costs & Billing



No charges for Interconnect ports and gateways & no charges for ingress/egress traffic

Oracle Database Cloud Service for Azure (ODSA)

1 Guided cloud-to-cloud setup and configuration

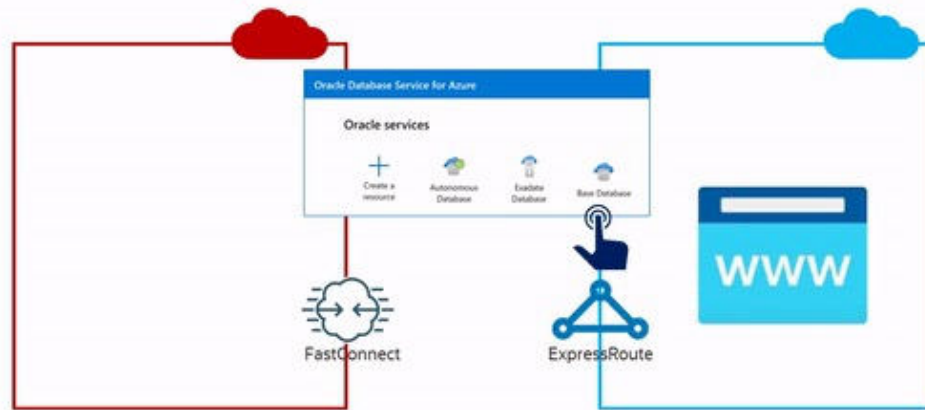


- ✓ **Oracle-managed OCI-Azure Interconnect**
- ✓ **Builds a private tunnel between your Azure and OCI accounts and configures DNS on both sides of the pipe**
- ✓ **Automatically configures the network between your Azure and Oracle accounts**
- ✓ **Integration with Azure Active Directory to simplify access and authentication**
- ✓ **Each Azure subscription is mapped to an OCI tenancy**

Oracle Database Cloud Service for Azure (ODSA)

2

Provision and operate OCI Database services



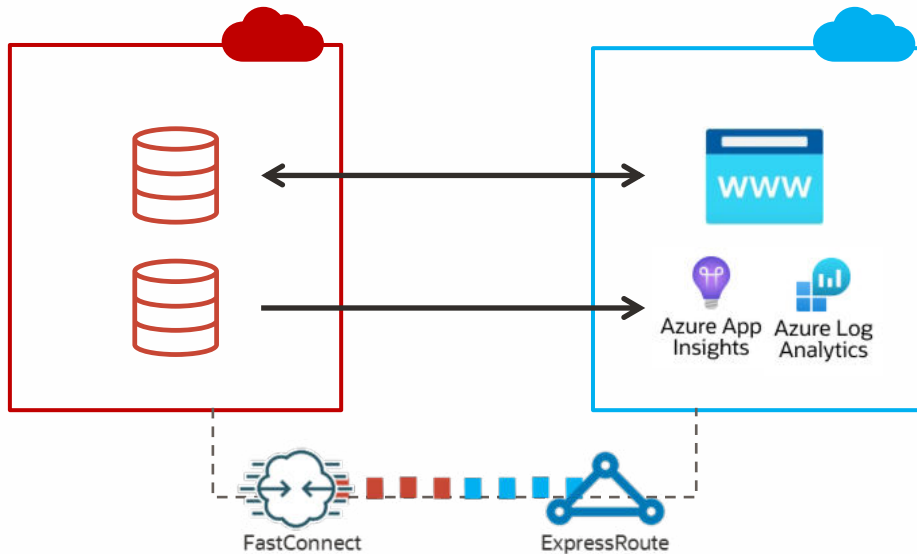
console.multicloud.oracle.com

- ✓ **Azure-like portal to create and manage your Oracle databases running in OCI**
- ✓ **You use your Azure credentials to sign in**
- ✓ **Database resources are created in your OCI tenancy**
- ✓ **Supports the creation of the following Services:**
 - ✓ Autonomous Database on Shared Exadata Infrastructure
 - ✓ Exadata Database Service
 - ✓ Base Database Service
 - ✓ More to come...
- ✓ **Common database management tasks**
 - ✓ create, delete, backup, restore, clone, start, stop, scale, ...
 - ✓ More to come...

Oracle Database Cloud Service for Azure (ODSA)

3

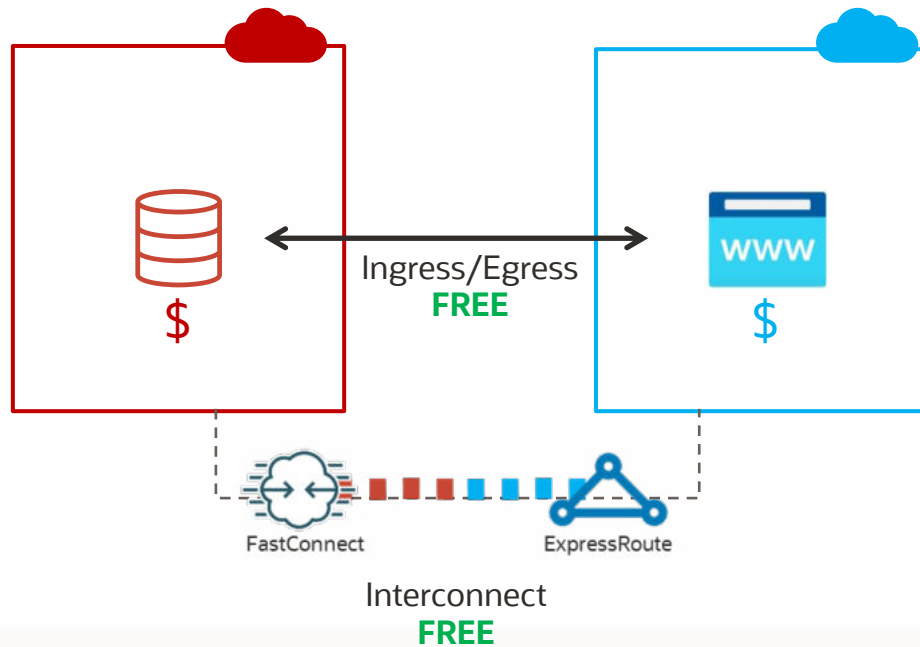
Database Access, Metrics
& Events



- ✓ **Resources in Azure access Oracle Databases in OCI**
- ✓ **Oracle Database metrics in OCI are streamed to Azure Application Insights**
- ✓ **Oracle Database events in OCI are provided to Azure Log Analytics**

Oracle Database Cloud Service for Azure (ODSA)

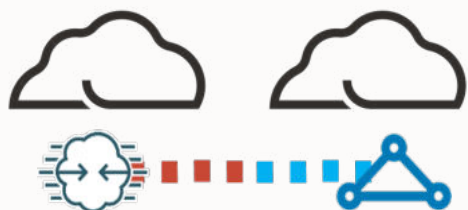
4 Costs and Billing



- ✓ No charges for Interconnect ports and gateways
- ✓ No charges for ingress/egress network traffic
- ✓ You pay for your OCI and Azure resources
- ✓ No changes or replacement of ordinary contracts and billing processes
- ✓ Azure bills for the virtual network peering required by ODSA
 - https://docs.oracle.com/en-us/iaas/Content/multicloud/intro_how_multi-cloud_works.htm

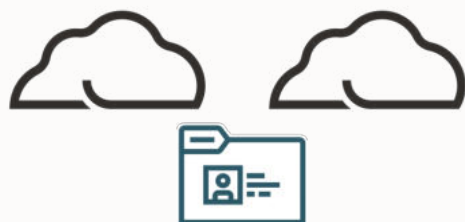
ODSA | Solves Multicloud Challenges

Network Connectivity & Costs



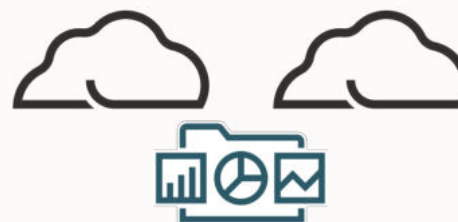
- ✓ <2ms latency
- ✓ No ingress/egress cost
- ✓ No port & gateway cost

Security & User Management



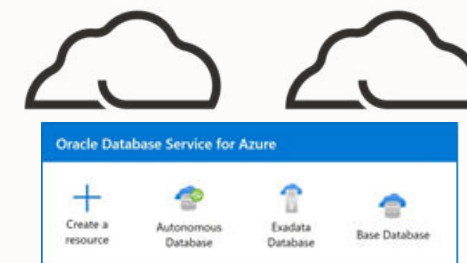
- ✓ Unified identity and access management via single sign-on

Unified Management & Monitoring



- ✓ Unified telemetry and monitoring

Specialist Expertise



- ✓ Multicloud portal with Azure terminology and look & feel

Oracle Database Service for Azure (ODSA) vs. OCI-Azure Interconnect

	Oracle Database Service for Azure	OCI-Azure Interconnect
Azure to OCI Connectivity	Oracle-managed	Customer-managed
Interconnect Cost	Free	Port and Gateway charges
Network ingress/egress Cost	Free	Free
Network Latency	<2ms	<2ms
Regional Availability	11 locations globally	11 locations globally
Use Cases	Connect Azure resources to Oracle Databases in OCI	Connect Azure resources to any OCI resources
Available DB Services in OCI	Base Database, Exadata Database, Autonomous Shared	All database services
Database Provisioning	ODSA Azure-like portal	OCI Console
Database Management	ODSA Azure-like portal or OCI Console	OCI Console
Monitoring	Metrics and Events in Azure App Insights and Log Analytics	Customer-managed
Identity Provider for OCI Console	Azure Active Directory (or OCI IAM)	Azure Active Directory or OCI IAM
Support	Collaborative Support Model	Collaborative Support Model
Architecture	Multicloud	Multicloud
Tenancy	Multitenant	Single tenant
Availability SLA/SLO	SLO coming soon	SLA 99.95%



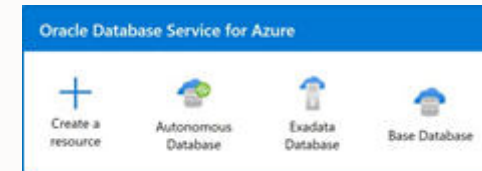
When to use...

Azure Interconnect



- ✓ **Want to connect Azure resources to any OCI resources**
- ✓ **Have the experience to set up and manage the Interconnect using Oracle FastConnect and Azure ExpressRoute**
- ✓ **Are aware of the additional cost for ports and gateways**
- ✓ **Are familiar with the OCI Console to provision and manage OCI resources**
 - ❖ You should be anyway

ODSA



- ✓ **Simply want to provision Oracle databases in OCI as if they were Azure resources**
 - ✓ Without dealing with any networking setup
 - ✓ Without learning to navigate through OCI
- ✓ **Want to save the Interconnect cost**

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