



# Lift. Shine. Oracle on all Clouds with Tessell AI



Nov 2025



# Tessell Speakers

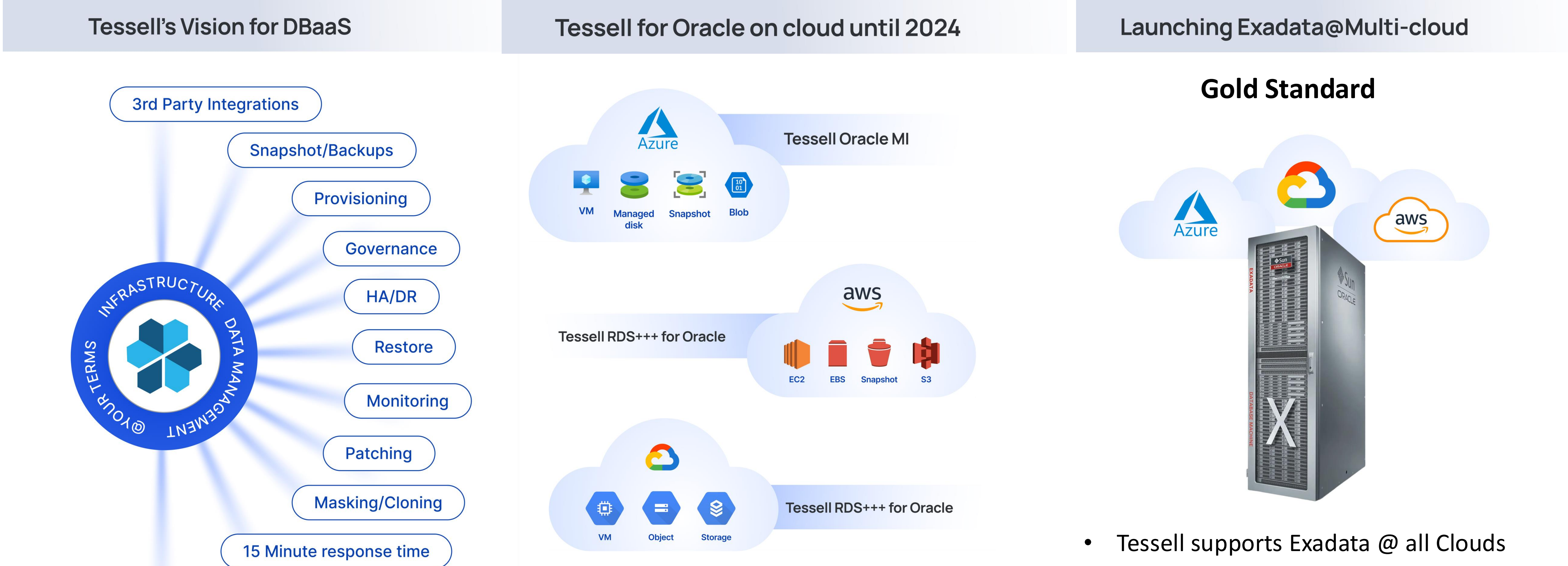


*Bala Kuchibhotla CEO  
Tessell Inc*



*Animesh Pillai  
VP – Strategy and Alliances  
Tessell inc*

# The Tessell Oracle Journey: From Vision to MultiCloud Excellence



- Tessell supports Exadata @ all Clouds

When Mission meets Execution@Scale  
Announcing “Tessell AI for Oracle”

# Migration – Tessell AirDrop Service to Oracle Exadata

Set up base Infrastructure

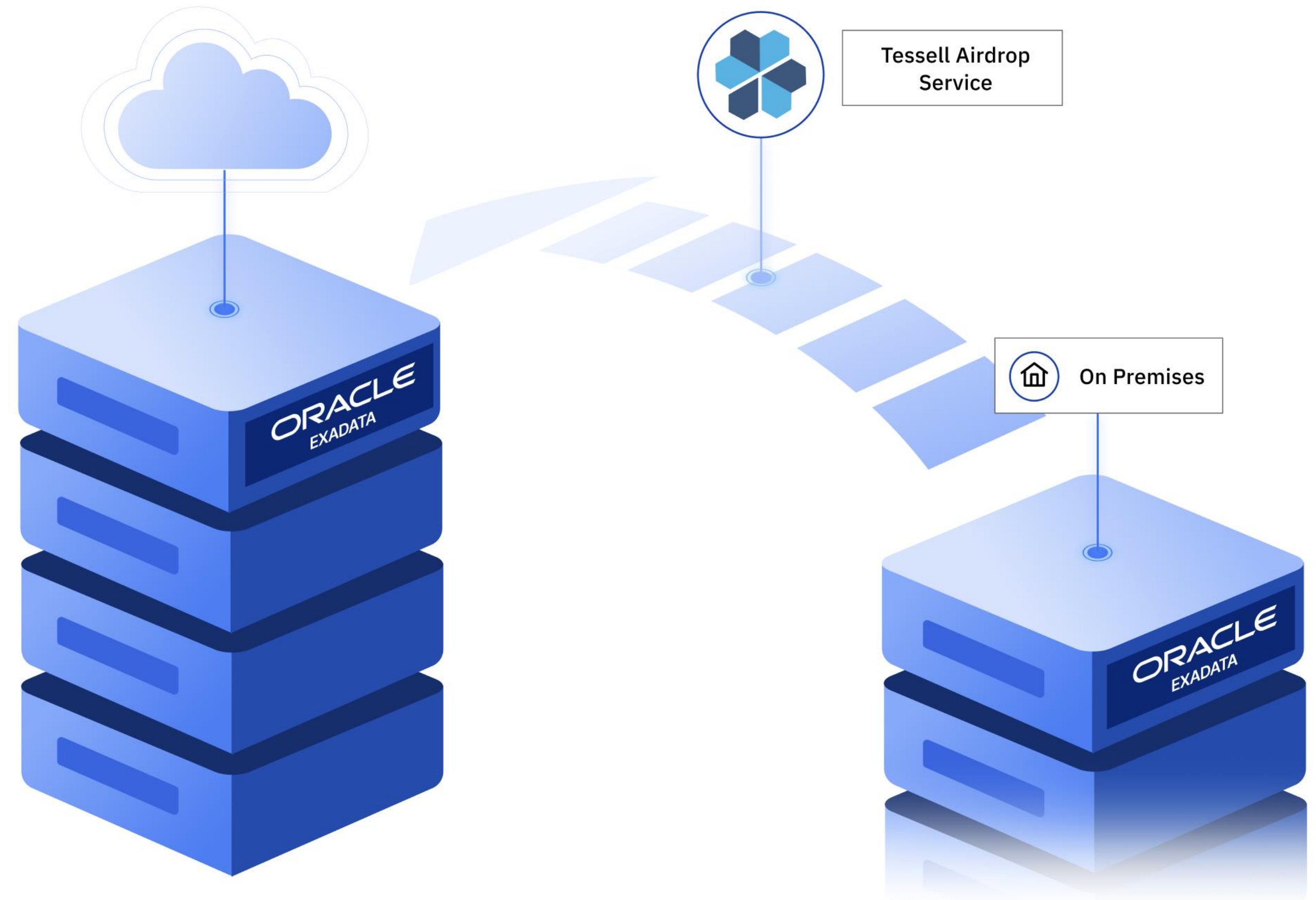
Creation/Register of VM Clusters

Configure Networks, Security groups etc.

Institute best polices

Zero-Downtime Exadata Migration

Uninterrupted Business Continuity



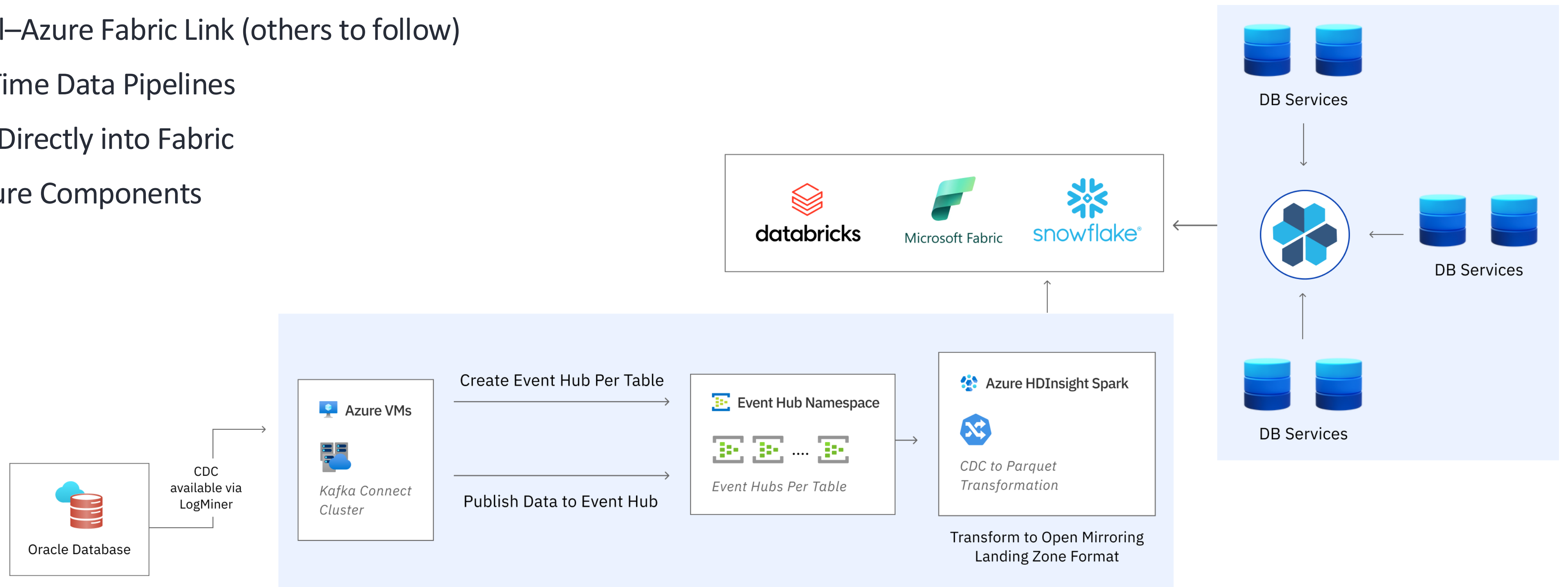
# Unleashing the power of Oracle with Seamless Data Integration

Native Tessell–Azure Fabric Link (others to follow)

Create Real-Time Data Pipelines

Stream Data Directly into Fabric

All Native Azure Components

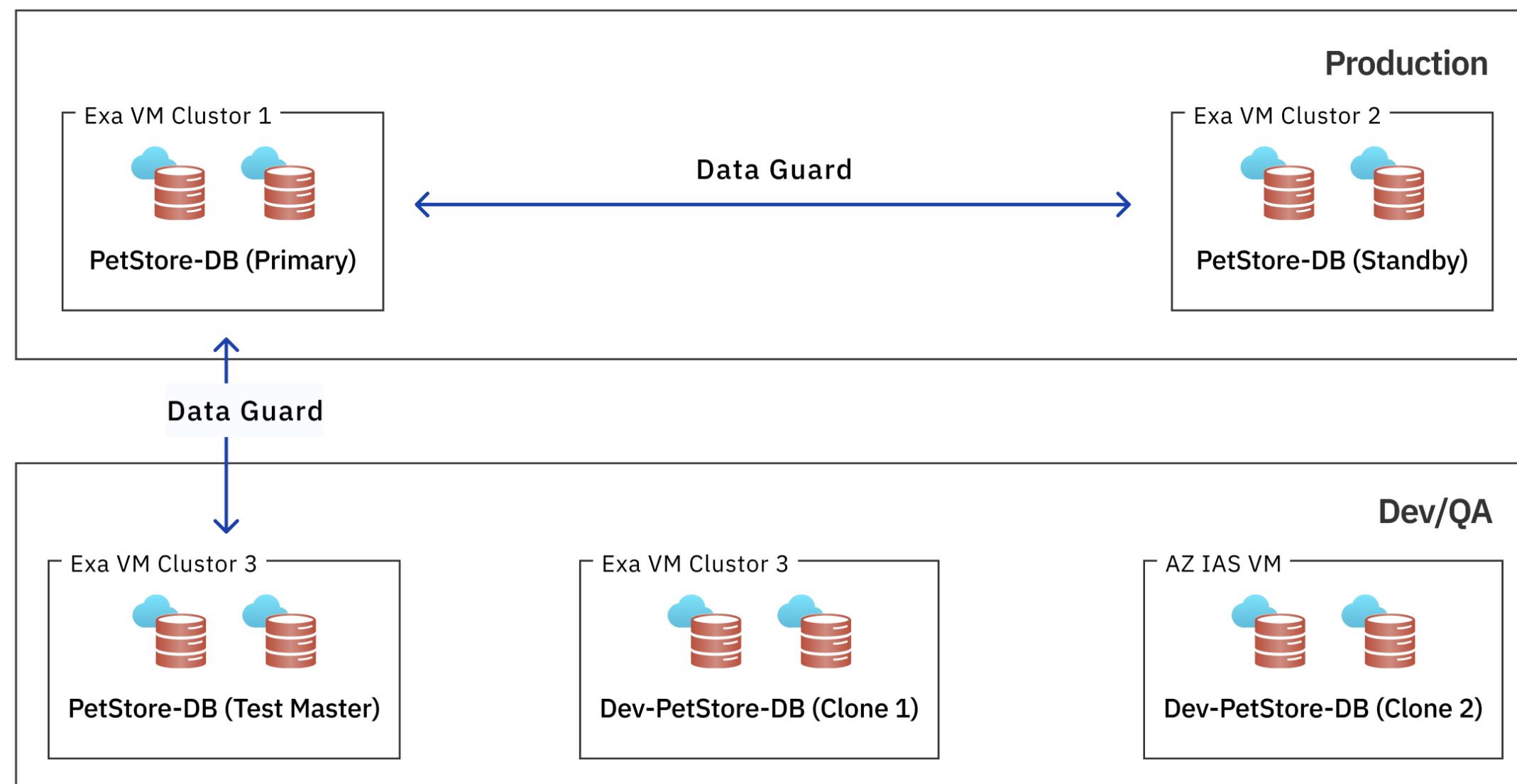


# Single Plane of Glass for Exadata

Create Clones from Prod Backups

Clones on Exadata

One-Click Refresh with Latest Backup



Welcome to Tessell, Kamaldeep

### My Services

Relational Databases | Vector Databases | NoSQL Databases

Search: petstore | Total Services 5 | Engine: All | Cloud: All

Service Name	Status	Subscription	Infrastructure
PetStore-DB	Ready	exadata-demo	ExadataInfra1
PetStore DB	Ready	exadata-demo	tes _4_a 4 vCPUs / 16 GB
PetStore-DB-STBY	Ready	exadata-demo	ExadataInfra1
PetStore-DB-Test-Master	Ready	exadata-demo	ExadataInfra1
PetStore DB Clone	Ready	exadata-demo	ExadataInfra1

Clones of PetStore DB (2)



# Database Lifecycle Ops

**Provision RAC Databases** – Deploy Oracle RAC quickly with optimal settings.

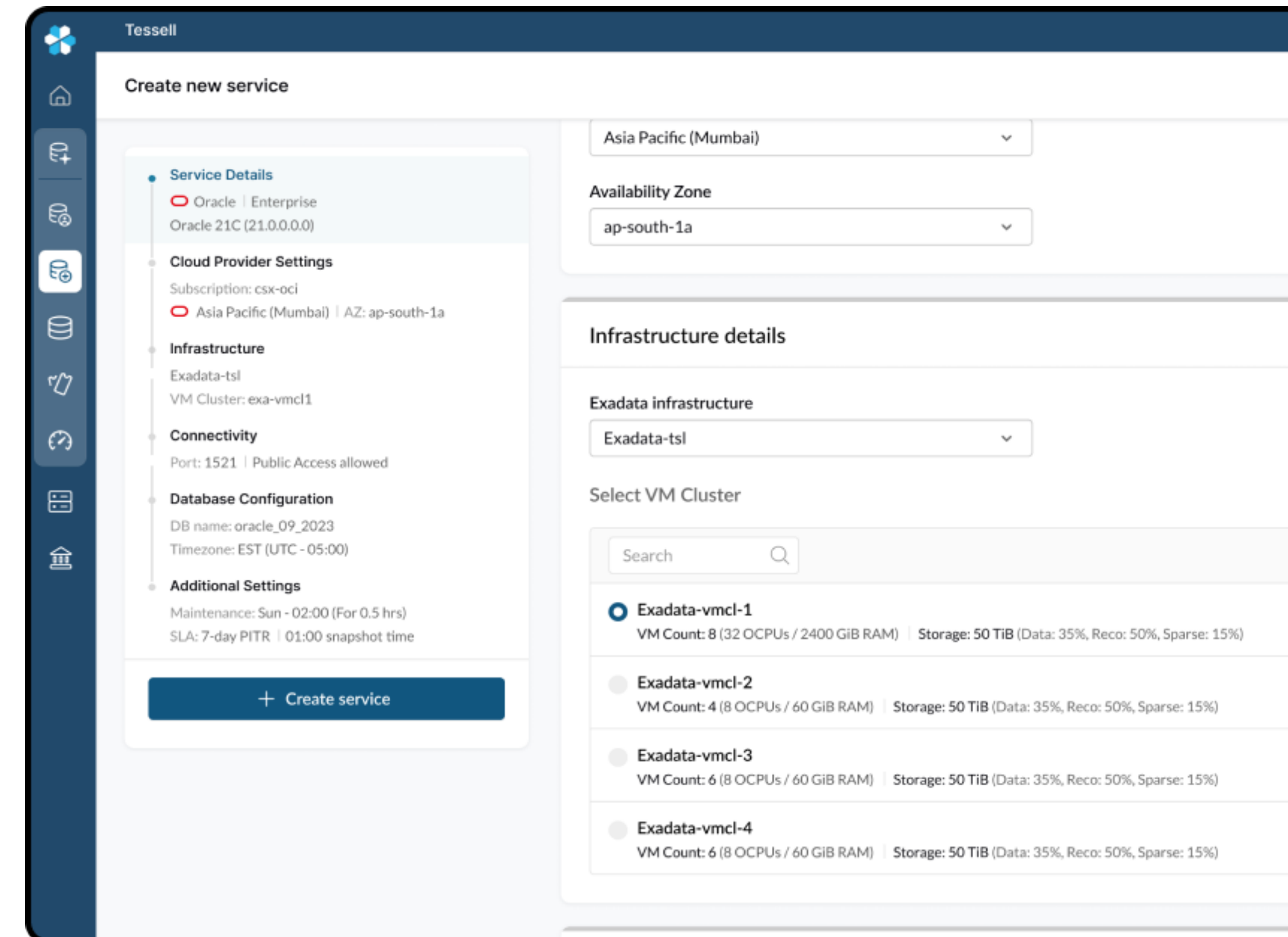
**Other Ops** – Start, stop, Resize, restart without disruption.

**Backup & Restore** – Schedule backups; restore to a specific point.

**Clone Databases** – Create full or masked clones for Dev/Test.

**Patching** – Oracle MAA-aligned out-of-place and RAC rolling patching with full DB/OS coverage.

**Automated Schedules** – Set start/stop schedules to save costs.



# Tessell DataFlix – The Netflix for your Oracle Data

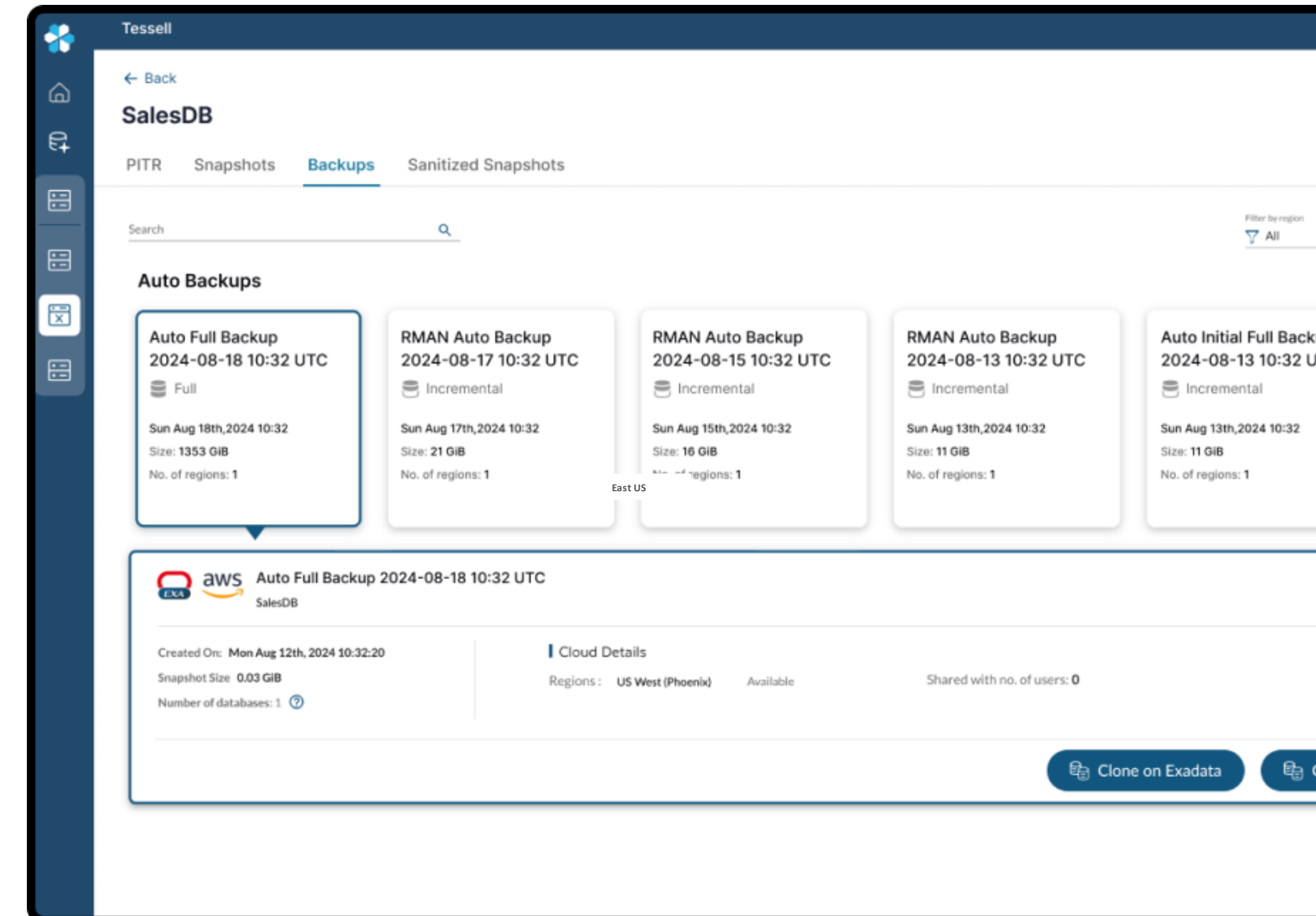
**Backup Browser** – Search and browse available backups directly in the app.

**Point-in-Time Restore** – Pick any time from a backup timeline for precise recovery.

**Clone or Restore** – Create a new clone or restore an existing database from a chosen backup.

**Region Visibility** – See which regions hold the backup copies.

**Multi-Region Copies** – Supports multiple copies across regions per user-defined policies.



# Database Ops: Patching @Customer Terms

**Oracle Best Practices** – Follow Oracle-recommended patching methods for reliability.

**MAA Guidelines** – Align HA/DR patching with Oracle Maximum Availability Architecture standards

**Out-of-Place Patching** – Use the fastest method for Oracle DB patching, minimizing downtime.

**RAC Rolling Patching** – Apply patches node-by-node in RAC environments to maintain continuous availability.

**Scheduled Maintenance** – Apply patches during defined maintenance windows.

**Comprehensive Coverage** – Patch both Oracle databases and underlying OS for a complete solution.

### Additional settings

Set preferences for your maintenance window and Availability machine.

#### Maintenance Window

No Preferences  Select Window

Start day:  Start time:  Duration:

Enable auto minor version update

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#### Availability Machine Preferences

Here you can define your data protection SLA and schedule. Once the database has been created, you can further define the data availability and access policies from the Availability Machine app.

SLA:  Snapshot time:

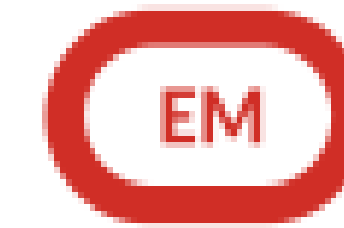
Run SLA Policy	Frequency	Keep for
Continuous Recovery (PITR)	--	35 Days
Daily Snapshots	Once per day at 04:00	1 Day
Weekly Snapshots	Mon, Tues, Wed	7 Weeks
Monthly Snapshots	1st, 10th	2 Months
Quarterly Snapshots	Jan-Apr-July-Oct (1st, 2nd, 5th)	7 Months



# Integrations

**Out-of-the-Box Integrations** – Built-in connectors for Datadog, Snowflake, JSonar, Qualys, and more.

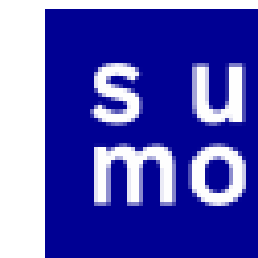
**Integration Management & RBAC** – Admins define and maintain integrations; operators simply use them, ensuring error-free usage and clear separation of responsibilities.



Enterprise manager



Datadog



Sumo logic



Prometheus

jSonar

Jsonar



Elastic search

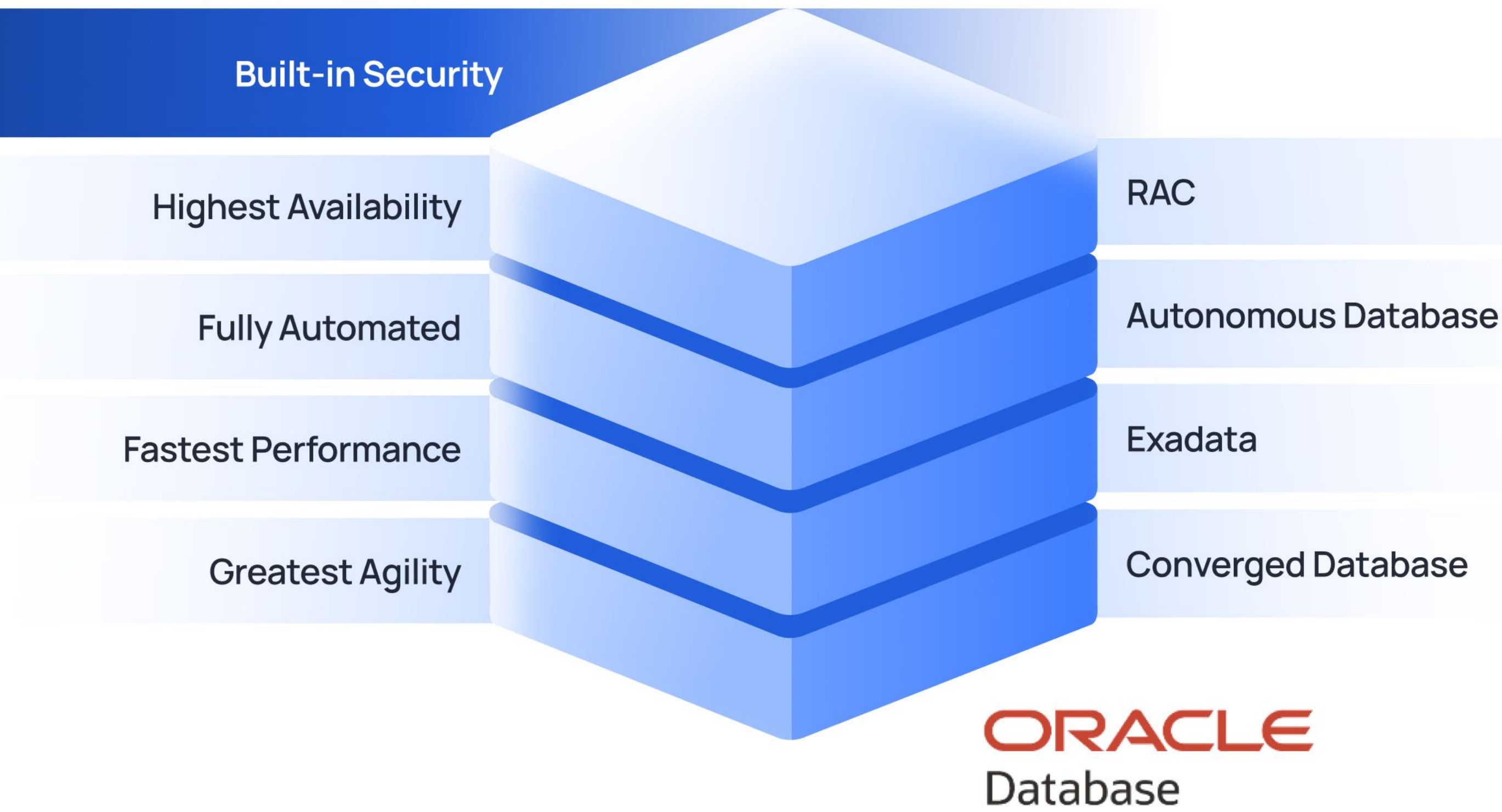
And many more...



# Overview of Oracle Offerings

## OracleDB@Hyperscalers

# Run Workload in your cloud of choice

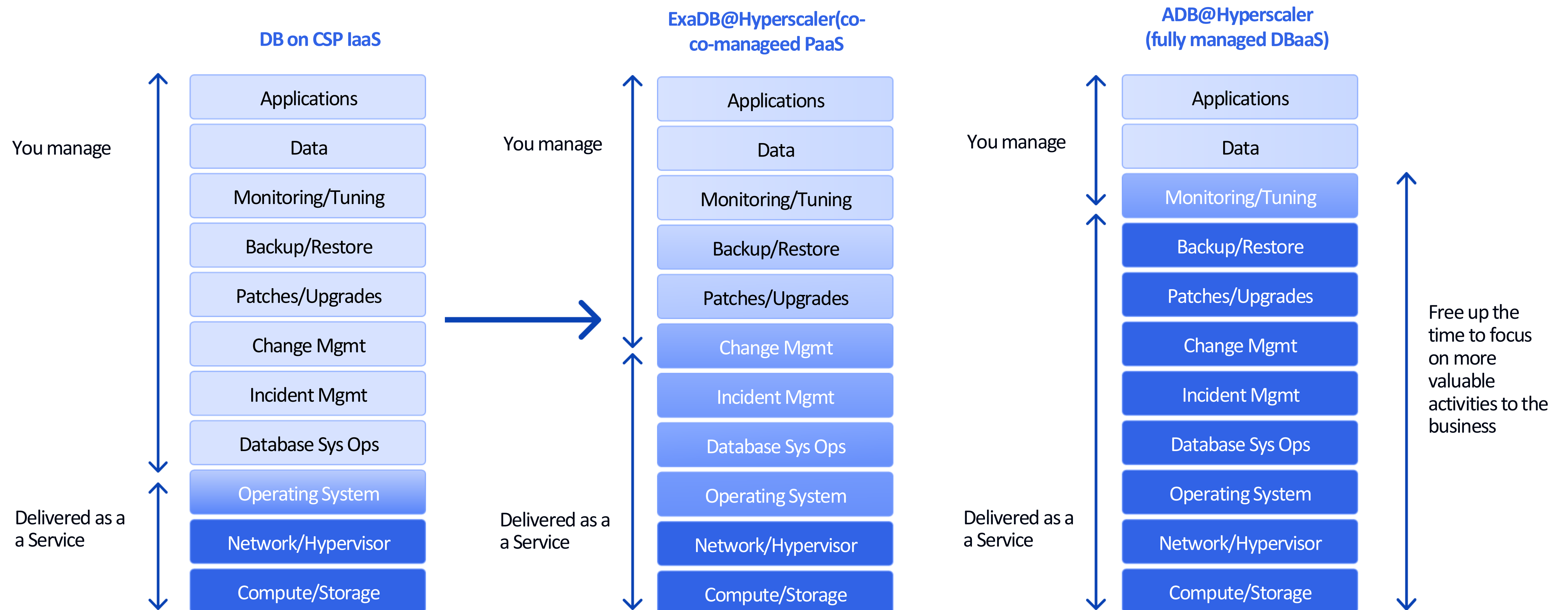


# Oracle's Distributed Cloud Strategy



# OraDB@Hyperscale Delivers Oracle DB managed Service

Reduce admin workload, lower cost and enable self-service



Now handing it over to Bala, who'll walk us through  
Tessell AI



**Bala Kuchibholta**

**CEO**

*Tessell Inc*

# Escher

The AI for

Engineer

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DB/ Data Operations Architect

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Cloud

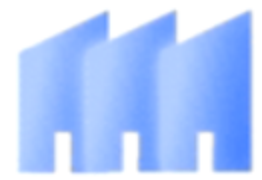


# Tessell AI

I want to move my Oracle workloads from on-prem to Cloud



Understood! Let me create a PoC environment and migrate your non-production databases from on-prem to Cloud.



validating connectivity and permissions...

+ Describe a task or explore



# Tessell AI

Welcome to Tessell, Harjit Cost till d

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Search: pe | Total Services 4 ▲ 4 | Engine: All | Cloud: All | Owner: All | Subscription: ex...

Service Name	Status	Subscription	Infrastructure	Cloud And Region	Created On
PetStore DB Clone	Ready ●●	exadata-demo	<a href="#">ExadataCluster2</a>	East US (Americas)	Sep 8, 2025, 22:38
PetStore-DB	Ready ●●	exadata-demo	<a href="#">ExadataCluster1</a>	East US (Americas)	Sep 4, 2025, 04:02
PetStore-DB-Test-Master	Ready ●●	exadata-demo	<a href="#">ExadataSparseVMCL1</a>	East US (Americas)	Sep 8, 2025, 22:58
PetStore-DB-STBY	Ready ●●	exadata-demo	<a href="#">ExadataSparseVMCL1</a>	East US (Americas)	Sep 9, 2025, 09:04

### Tessellator

Can you look at the performance of PetStore-DB, it looks critical?

PetStore-DB Database has been operating at **98% memory usage for over 48 hours**, resulting in increased buffer cache misses and elevated physical reads. This has caused noticeable performance degradation, with SQL queries running 41% slower than normal. If memory pressure continues, the instance may encounter ORA-04030 / ORA-4031 errors due to insufficient PGA/SGA memory, and the database workload could stall under high paging activity.

Current Exadata VM Compute : 16 vCPUs, 128 GiB memory

#### Memory Usage (98%)

Free Memory: 4 GiB • Using: 128 GiB

Date	Memory Usage (%)
11 Aug	60%
12 Aug	65%
13 Aug	75%
14 Aug	90%
15 Aug	95%
Today	98%

As an immediate mitigation, I recommend resizing the compute shape (increasing SGA/PGA allocation capacity). Should I recommend some sizes?

Ask tessellator anything

Tessellator can make mistakes. Check important info before proceeding.



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**Tessellator** ⋮ + ✕

Why is the query on PETSTORE table in PetStore-DB so slow?

The PETSTORE table is large and mostly read-only, causing high I/O and slow query performance. We can apply Hybrid Columnar Compression (HCC) to improve storage efficiency and speed up Smart Scan queries

```
ALTER TABLE PETSTORE  
MOVE COMPRESS FOR QUERY HIGH;
```

Can I go ahead and apply this change? (Yes / No)

Tessellator can make mistakes. Check important info before proceeding.



# Tessell AI for Developers

## Tessell MCP Server

**AI-driven DB Workflows** – Developers can turn natural language requests into database operations safely through the **Tessell MCP server**.

**Unified Access to Tessell and External Resources:** Manage both Tessell-native databases (e.g., PostgreSQL, Oracle) and external ones from a single AI interface (IDE), including instant access to Tessell's documentation via prompts.

**Faster Insights and Iterative Development:** Get real-time analysis, query execution, and explanations (e.g., "Show me table stats and suggest optimizations") powered by AI, accelerating troubleshooting during coding sessions.



Thank you