Latest addition to OCI portfolio





Oracle Data Platform: A complete suite of services

Oracle Data Platform

Data Sources Enterprise Data & Applications



OIC

OCI



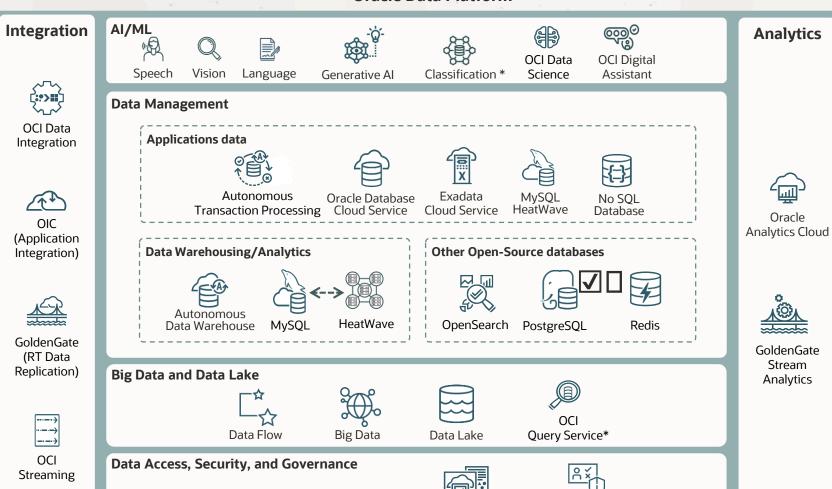
IoT







Digital Assets



Data Catalog

Identity and Access

Management

Analytics



Business

Oracle or **Any Business Applications**



Better Forecasts and Predictions

Outcomes

Growth and

Resilience







Any **Applications**

SaaS







OCI is committed to offer the widest choice to our customers

PostgreSQL is the latest addition to existing open source compatible and/or managed services on OCI















used to



Native integrations with the dev tools you're













































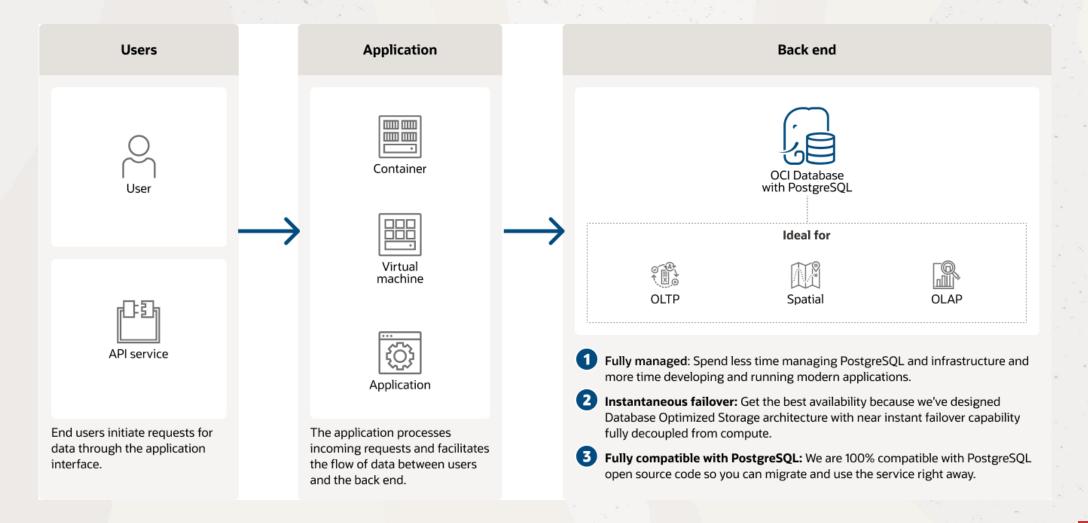
PostgreSQL - one of the most advanced open source databases

DB Engines ranking:

	Rank				Score		
Nov 2023	Oct 2023	Nov 2022	DBMS	Database Model	Nov 2023	Oct 2023	Nov 2022
1.	1.	1.	Oracle 🖪	Relational, Multi-model 👔	1277.03	+15.61	+35.34
2.	2.	2.	MySQL [1]	Relational, Multi-model 👔	1115.24	-18.07	-90.30
3.	3.	3.	Microsoft SQL Server ☐	Relational, Multi-model 👔	911.42	+14.54	-1.09
4.	4.	4.	PostgreSQL 🚹	Relational, Multi-model 👔	636.86	-1.96	+13.70
5.	5.	5.	MongoDB 🖪	Document, Multi-model 👔	428.55	-2.87	-49.35
6.	6.	6.	Redis 😷	Key-value, Multi-model 👔	160.02	-2.95	-22.03
7.	7.	7.	Elasticsearch	Search engine, Multi-model 👔	139.62	+2.48	-10.70
8.	8.	8.	IBM Db2	Relational, Multi-model 👔	136.00	+1.13	-13.56
9.	9.	1 0.	SQLite 🚹	Relational	124.58	-0.56	-10.05
10.	10.	4 9.	Microsoft Access	Relational	124.49	+0.18	-10.53



A fully managed service





A fully managed service

60%
Less costly than Amazon Aurora with PostgreSQL¹

3X

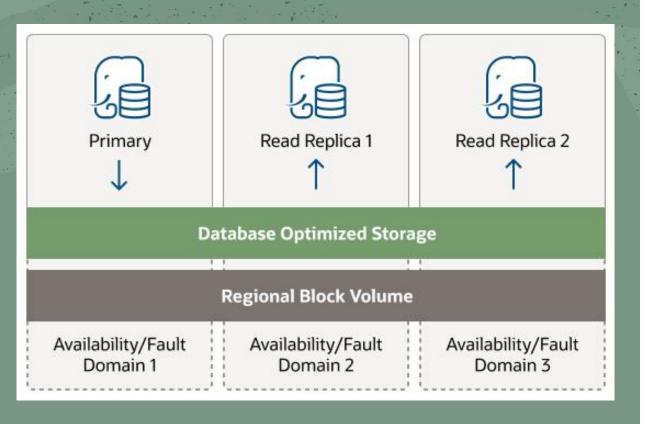
Faster than a self-managed cluster²

99.99%

Availability SLA



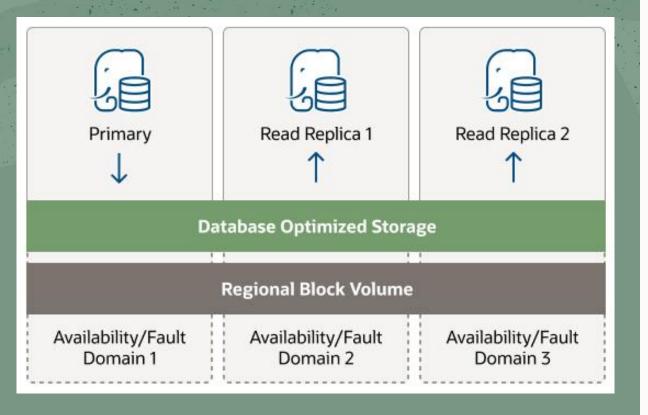
OCI Database Optimized StorageAn Oracle Innovation



- Dynamic scaling with usage. Pay only for what you use (scaling is zero downtime)
- Guaranteed HA performance SLA 99.99 thanks to the shared storage model
- Distributed across multiple Availability Domains for 0 RPO and fast recovery

OCI Database Optimized Storage

Delivering real value for your organization



3XFaster than a self-managed cluster²

99.99% Availability SLA

Features available now

Features	Availability					
Operations						
Fully managed	⋞					
Storage Dynamic scaling	⋞					
Backups - manual and automatic	⋞					
Managed maintenance and patching	≪					
Monitoring and metrics	<					
Notifications and alarms	<					
Terraform support	⋞					
Automatic minor upgrades	≪					
HA / DR						
Multi availability-domain data replication	≪					
RTO	< 2 min (multi node) < 20 min (single node)					
RPO	0					
Automatic/Manual failover	<					
Security						
End-to-end encryption	⋞					
Automatic security patching	⋞					
Development						
Version Support - Postgres 14	≪					
Stored procedure languages	≪					
Extensions – btree_gin; btree_gist; citext; cube; dict_int; fuzzystrmatch; hstore; intarray; isn; lo; ltree; pg_trgm; pgcrypto; plpgsql; pg_stat_statements;						
seg; tablefunc; tcn; tsm_system_rows; tsm_system_time; unaccent Limits: 32 TB storage, 1024 cores, 16 TiB RAM						

Features in the roadmap

Category	Features
Versions	v13, v15, v12, v16
Operation	Autonomous configuration
	Custom IP endpoints
HA / DR	Point-in-time recovery
	Cross-region replication
Extensions	PotgresGIS TimescaleDB
	Other extensions: uuid-ossp, dblink, file_fdw_program, pg_buffercache, pg_partman, pg_trgm, pgcrypto, pglogical, Plpgsql, pg_catalog, plpython2u, postgres_fdw, pgvector
Security	BYOK
Migration	Manual/Migration service
Dev	Connection Pooling

Simple and Predictable Pricing

PostgreSQL Service Fees

1.0018:00 € 2.0111001.000						
Price	Metric					
\$0.0980	OCPU per hour (AMD or					
	Intel)*					
\$0.0720	Gigabyte storage					
	consumed per month. (pay					
1 1 1	for what you use)					
	\$0.0980 \$0.0720					



Underlying Infrastructure Fees

Infrastructure	Price	Metric
OCPUs	Based on Shape	OCPU per hour. Check pricelist.
Memory	Based on Shape	MEM per hour. Check pricelist.
Block volume performance	Based on VPUs	Consumed GB per month. Check pricelist in the Block storage section.



Cost Estimator Page on: oracle.com/cloud/postgresql/pricing/

^{*} OCI Database with PostgreSQL on ARM- \$0.0490 - Will be available later

^{**} Shared storage across the nodes, changed for once even if there are multiple nodes in the cluster



Fully managed



Unique price/perf ratio



Versatile and Extensible database



Easy-to-Use service

Meets you where you are



Walk through the improved design

Confidence in the technology

ORACLE CLOUD

FIRST PRINCIPLES

Optimizing PostgreSQL for the cloud



First Principles Architectural Breakdown

- Gain Peace of Mind:
 Walk through Oracle Database with PostgreSQL's design piece-by-piece with the First Principles
 Series
- Straight from the Architects:
 In-depth specs from the designers about the
 Optimized Database Storage that offloads
 replication functions for zero RPO and minimal
 cluster management

Read the Blog

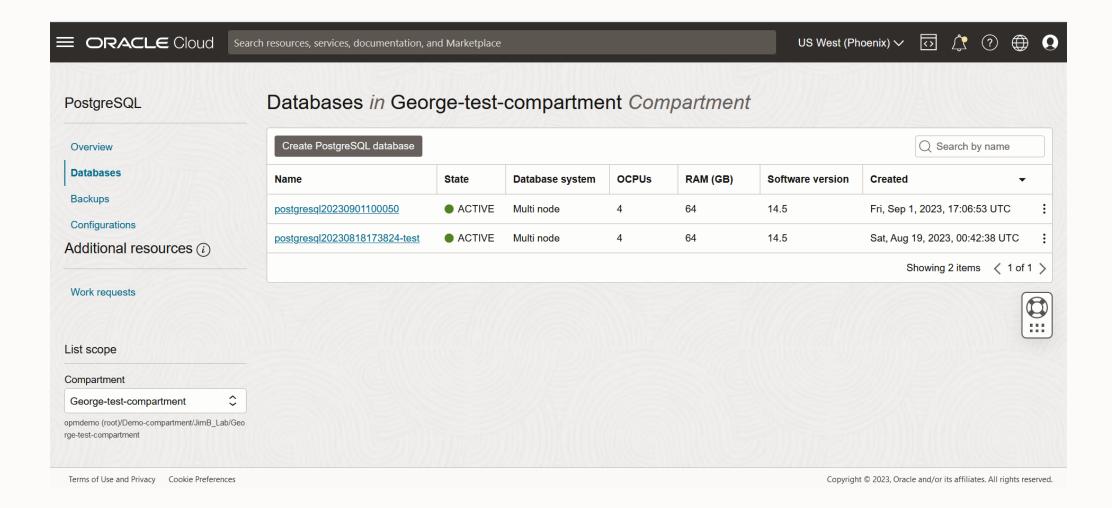


Thank You! Copyright © 2023, Oracle and/or its affiliates | Confidential: Internal

Appendix

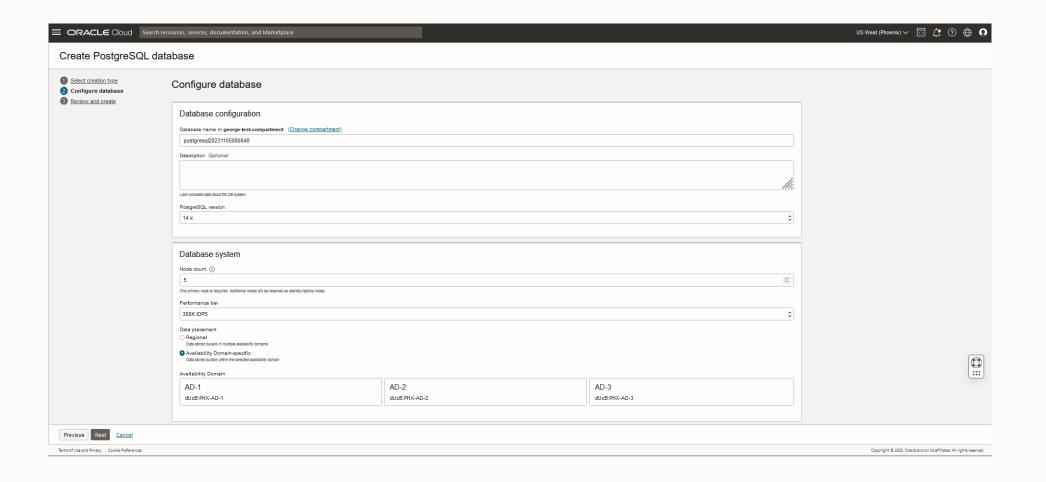


User Experience - PostgreSQL clusters list view



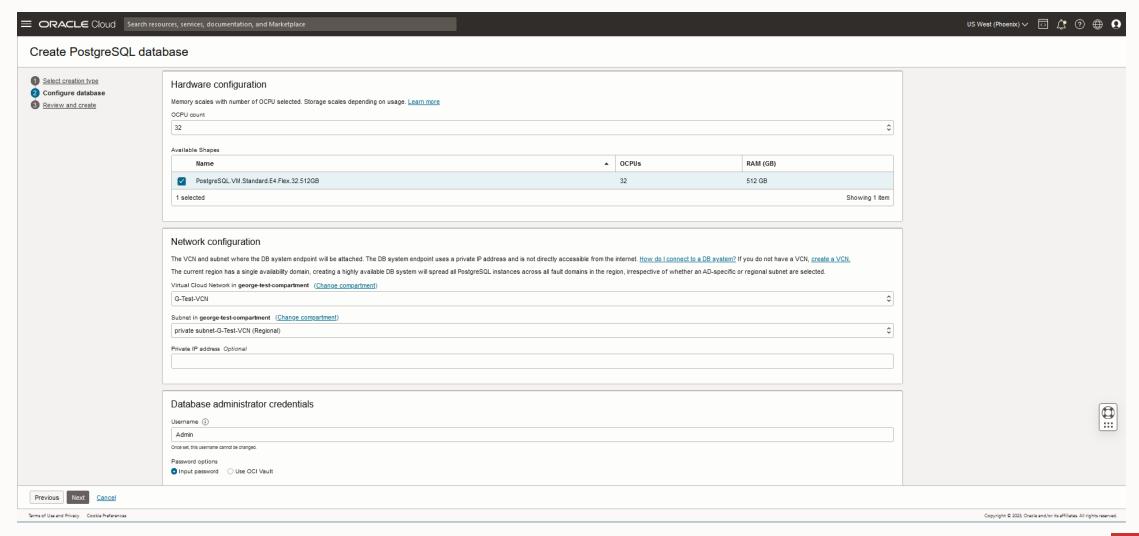


User Experience - Create multi-node PostgreSQL cluster



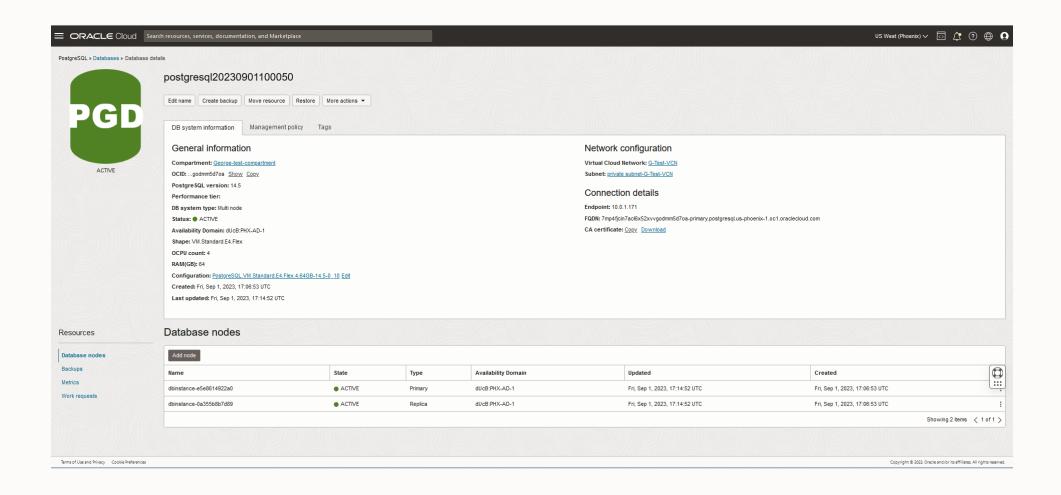


User Experience - Create multi-node PostgreSQL cluster cont.





User Experience - Detailed view with Read replica





High-level reference architecture - Multi AD region

