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Exadata Database Machine
All-in-One Datasheet (Beta) Produced by DBExpert

Overviews

Oracle Exadata is the first database system with Exadata RDMA Memory (XRMEM) and RoCE capabilities that are co-engineered with Oracle Database to reduce latency and increase performance. Oracle Exadata's unique performance, scalability, security and automation help your enterprise run faster, more efficiently, and more cost-effectively than ever before.

Visit the DB Expert Services Taxonomy page *to get the latest version of this data sheet and see data sheets for all of the Oracle Cloud Database services.*

Deployment

Database Type	Resource Pool
Management Model	Customer managed DB
Supported Cloud Environments	On Premises non-Cloud
SKUs for starting configuration	Customer-provided
DB Versions	N/A
Hardware Infrastructure	Dedicated Engineered System

Usage Models

Recommended Workloads	Blockchain Data Lake Data Science / Machine Learning Data Warehouse / Data Mart for Analytics Data and IoT Event Streams Document Store (JSON) Document Store (XML) Graph Mixed Workload (Transaction + Analytics) NoSQL Spatial Text Transaction Processing (OLTP) Vector Search
Certified Oracle Applications	Depends on pool member

Capacity

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ECPU Range	N/A
Shapes	Exadata Infrastructure - X11M - Elastic Configuration Example 1 Max DB TB: 576.3 Exadata Infrastructure - X11M - Elastic Configuration Example 2 (maximum storage) Max DB TB: 3200 Exadata Infrastructure - X11M - Example Configuration with Maximum CPU Max DB TB: 192 Exadata Infrastructure - X11M - Quarter Rack Max DB TB: 192
CPU scale	Online
Storage scale	Online

Availability

Nines of availability (may require configuration)	N/A
Oracle DB Maximum Availability Architecture medals	Not MAA certified
Automated backups max retention	up to 90 days
Long-term backup retention (up to 10 years)	Yes

Functionality Included

Applicable Oracle DB Options.*	Depends on pool member
Applicable Oracle EM Packs	Depends on pool member
Free Add-Ons (no extra licensing required)	Depends on pool member

*Check service documentation for feature availability and limitations

Operational Controls

Allows installing additional software/agents on the host	Yes
Allows installing OS packages	Yes
Allows kernel changes	Yes
Allows OS runtime changes	Yes
Allows sysdba access	Yes
Oracle operator access control	N/A
Control DB patch level	Yes
Control DB release update (RU) level	Yes
Control DB version	Yes
Control maintenance window	Yes
Preview and Validate Patches for Zero-Regression	N/A

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Additional Information

Open Source DB	No
Delta Sharing Provider and Recipient and Cloud Links	No
Select AI to Generate SQL from Natural Language Prompts	No
Mongo-compatible API	Yes
Supports non-CDB home	Yes
Platform supports multiple concurrent Oracle DB versions	Yes

Locations

 Customer Data Center

Reference Links

Service Specific

[Exadata DB Machine Resource Pool Customer References](#)

[Exadata On-Premises](#)

[Oracle Exadata Database Machine X10M data sheet](#)

General

[Oracle PaaS and IaaS Universal Credits Service Descriptions](#)

[Service Level Objectives](#)

[Oracle DB Maximum Availability Architecture medals](#)

[Oracle Cloud Infrastructure Compliance](#)

[Oracle Database Releases](#)

[BYOL FAQ](#)

[OCI Locations and Status](#)

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The Responsibility Model for Oracle Autonomous Database

Task	Who	Details
Provisioning Autonomous Database resources	Oracle	Oracle is responsible for provisioning resources. You the customer are responsible for initiating provisioning requests that specify configuration characteristics of the resource being provisioned.
Backing up databases	Oracle	Oracle is responsible for backing up databases on a daily basis and for retaining database backups for 60 days.
Recovering a database	Oracle	Oracle is responsible for recovering databases. You the customer are responsible for initiating a recovery request that specifies which existing backup to recover to.
Patching and upgrading	Oracle	Oracle is responsible for patching and upgrading all Autonomous Database resources.
Scaling	Oracle	Oracle is responsible for scaling Autonomous Databases. You the customer are responsible for initiating scaling requests.
Monitoring service health	Oracle	Oracle is responsible for monitoring the health of Autonomous Database resources and for ensuring their availability as per published guidelines.
Monitoring application health and performance	Customer	You the customer are responsible for monitoring the health and performance of your applications at all levels. This responsibility includes monitoring the performance of the database queries and updates your applications perform.
Application security	Customer	You the customer are responsible for the security of your applications at all levels. This responsibility includes Cloud user access to Autonomous Database resources, network access to these resources, and access to database data. Oracle ensures that data stored in Autonomous Databases is encrypted and ensures that connections to Autonomous Databases require TLS 1.2 encryption and wallet-based authentication.
Auditing	Oracle	Oracle is responsible for logging REST API calls made to Autonomous Database resources and for making these logs available to you the customer for auditing purposes. Oracle is responsible for ensuring that Autonomous Databases are provisioned with Oracle Database auditing features enabled. You the customer are responsible for using these features to audit database usage.
Alerts and Notifications	Oracle	Oracle is responsible for providing an alert and notification feature for service events. You the customer are responsible for monitoring any database alerts that may be of interest.

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