AWS
re:Invent

NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

DAT206

Choose the best managed database service for your Oracle databases

Nathan Fuzi

Pr. Product Manager, Amazon
RDS for Oracle
AWS

Yamuna Palasamudram

Sr. Database Specialist SA
AWS

Michael Barras

Principal Database SA
AWS

aws

Agenda

What is Amazon Relational Database Service (Amazon RDS)?

Why move to Amazon RDS?

Considerations while moving to Amazon RDS

Migration options

Q&A

Amazon RDS

Amazon Aurora   MySQL   PostgreSQL   MariaDB   Microsoft SQLServer   Oracle

Easy to administer

- No infrastructure provisioning
- No software installation and patching
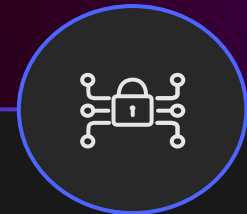- Built-in monitoring

Performant and scalable

- Scale with an API call or a few clicks
- Read replicas for increased throughput

Available and durable

- Automatic Multi-AZ data replication
- Automated backup, snapshots, and failover

Secure and compliant

- Encryption at rest and in transit
- Network isolation and resource-level permissions

39% lower database operation costs

Amazon RDS for Oracle

On-premises	EC2	RDS Custom	RDS
App optimization	App optimization	App optimization	App optimization
Scaling	Scaling	Scaling	Scaling
High availability	High availability	High availability	High availability
Backups	Backups	Backups	Backups
DB patching	DB patching	DB patching	DB patching
OS patching	OS patching	OS patching	OS patching
OS installation	OS installation	OS installation	OS installation
Hardware	Hardware	Hardware	Hardware

You manage

Shared responsibility

AWS manages

When to choose Amazon RDS for Oracle

- Managed database service

- Database size is 64 TiB or less

- Flexibility with License Included (SE2) or BYOL models (SE2 and EE)

- Managed high availability

- Managed disaster recovery

- Managed auditing

- Automated patching
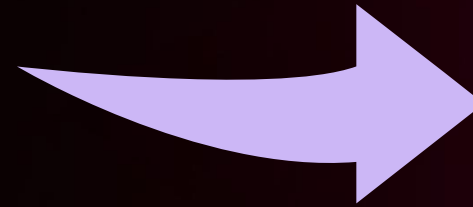
Amazon RDS for Oracle

When to choose Amazon RDS Custom for Oracle

- Managed database service

- Needs root and SYSDBA-related access to OS and database

- Customized HA/DR options (e.g., Sync Data Guard)

Key use cases

- Hybrid disaster recovery

- Custom or packaged applications require privileged access with third-party tools integrations (e.g., E-Business Suite)

- Leverage older Oracle versions, flexibility for patching (one-off patches/schedule)

- Flexible migration paths to RDS Custom: Oracle RMAN backups, Oracle Data Guard (on-prem/EC2 to RDS Custom), manual data file copies

Amazon RDS Custom for Oracle

Migration path considerations

➢ Logistical factors:

    ➢ Versions of the source and target

    ➢ Network bandwidth and latency

    ➢ Acceptable migration downtime

    ➢ Available migration tools, skillsets

➢ Target platform factors:

    ➢ Amazon RDS: Logical migration

    ➢ Amazon RDS Custom: Logical or physical migration

Frequently discussed topics

Any specific topic of interest?

➢ Migration tools

➢ High availability

➢ Disaster recovery

➢ Monitoring

➢ Other

Thank you!

Nathan Fuzi

nfuzi@amazon.com

Yamuna Palasamudram

palasams@amazon.com

Please complete the session survey in the **mobile app**

aws