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OpenWorld 2017 Running Workloads using Oracle MySQL Cloud Service

Customer Journey to Cloud using Oracle MySQL Cloud Service

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ORACLE[®] MySQL Cloud Service

Safe Harbor Statement

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Program Agenda

- ¹ Market Overview
- ² Announcements
- **3** Journey to the Cloud
- 4 Customer Success Story Naveex Ltd





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- **5** Summary





The global database as a service (DBaaS) market is forecast to grow at a CAGR of 65.49% during the period 2016-2020

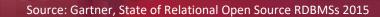
Source: Research And Markets, Global Database as a Service Market 2016-2020



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70%

By 2018, more than 70% of new in-house applications will be developed on an Open Source RDBMS





Digital Disruptors Rely on MySQL to Innovate

World's Most Popular Open Source Database



Oracle MySQL Cloud Service

A database service designed for both DBA and Developers



Full Control with Shell Access



* Will be available in future releases

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Self-service Provisioning, Cloning & Snapshot





Automated Backup





Automated High Availability*



Integrated with Oracle Cloud

Enterprises & Startups rely on MySQL Cloud Service

















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Announcing MySQL on Oracle Cloud Infrastructure

- Enterprise-level high availability
- Predictable low latency
- Eliminates "noisy neighbors"
- Highest IO workloads



Cloud Infrastructure





Announcing MySQL on Oracle Cloud Machine

- Deliver cloud innovation on premises
- Meet business and regulatory requirements
- Choose where to deploy



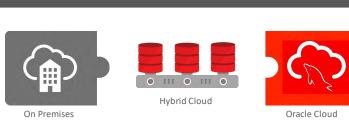


Flexible Deployment Options Same Standards, Same Software, Unified Management



Oracle Cloud Machine

- Oracle Cloud operated and delivered as a service behind your firewall
- Same MySQL Cloud Service technology, same updates as Oracle Cloud
- Conforms to regulatory, privacy, legal and business requirements



Hybrid

- Move workloads between onpremises and Oracle Cloud
- Keep control over businesscritical systems
- Oracle Enterprise Manager & MySQL Enterprise Tools for unified management

Oracle Cloud



- **Migrate** existing MySQL applications
- **Build** cloud native MySQL applications
- Same programming languages support as on-premise
- Infrastructure choices across various Oracle Cloud Infrastructure services

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Announcing New Universal Credits Pricing



Metric	Monthly Universal Credit	Annual Universal Credit	Pay As You Go
Per OCPU per Hour	\$0.1210	\$0.1555	\$0.1728

Most flexible buying and consumption model for cloud services in the Industry

- One simple contract: Universal access to all current and future IaaS & PaaS services
- Monthly or annual dollar commitment determines price discounts
- Simplifies customer buying experience; try and use any laaS or PaaS service
- Enables the flexibility to upgrade, expand or move services across datacenters

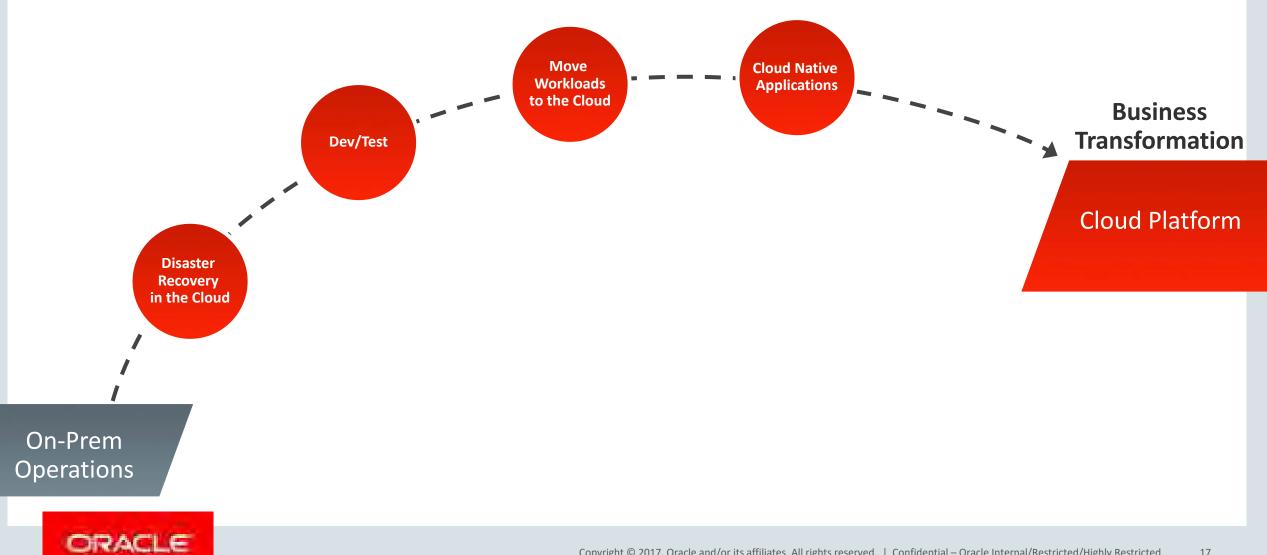


Program Agenda

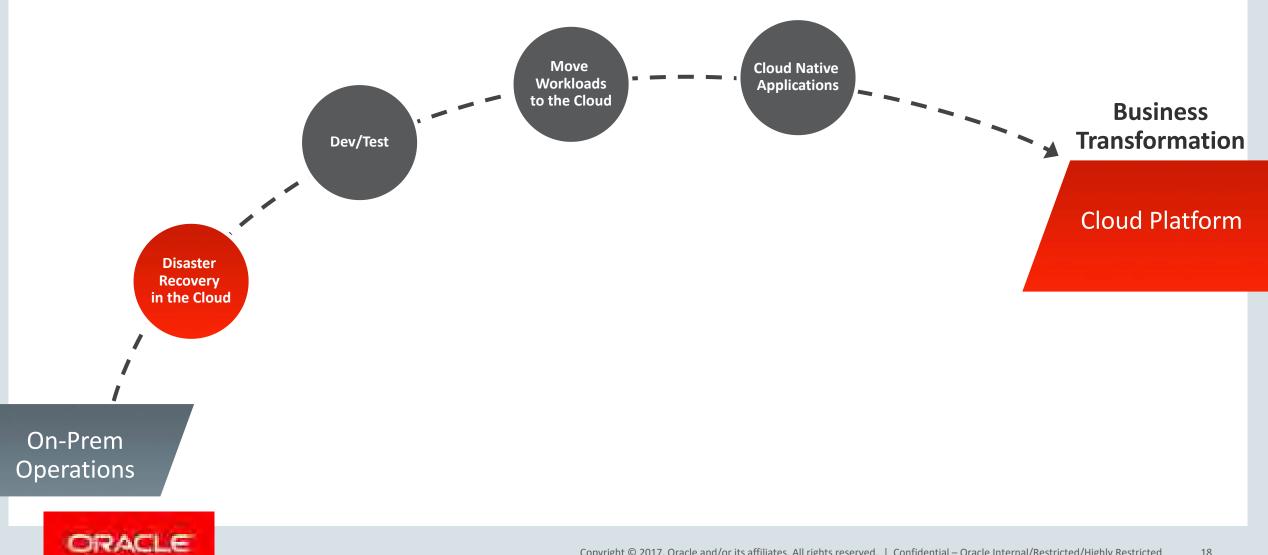
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Journey to the Cloud



Journey to the Cloud



Disaster Recovery in the Cloud

Common Use Cases

Cloud Backup

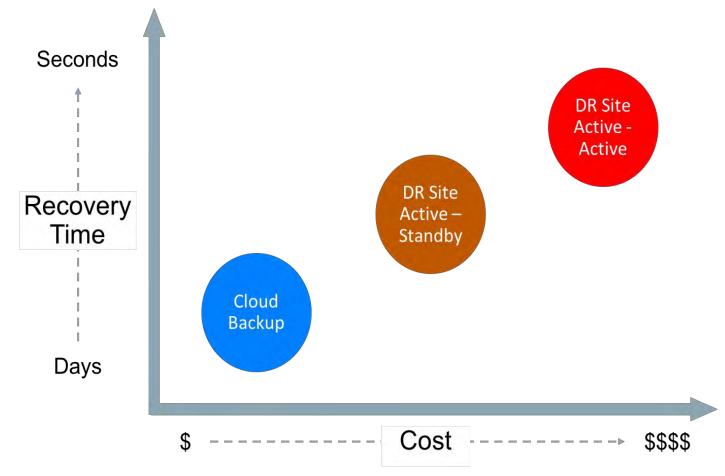
Warm DR Site

Hot DR Site



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Disaster Recovery - Options

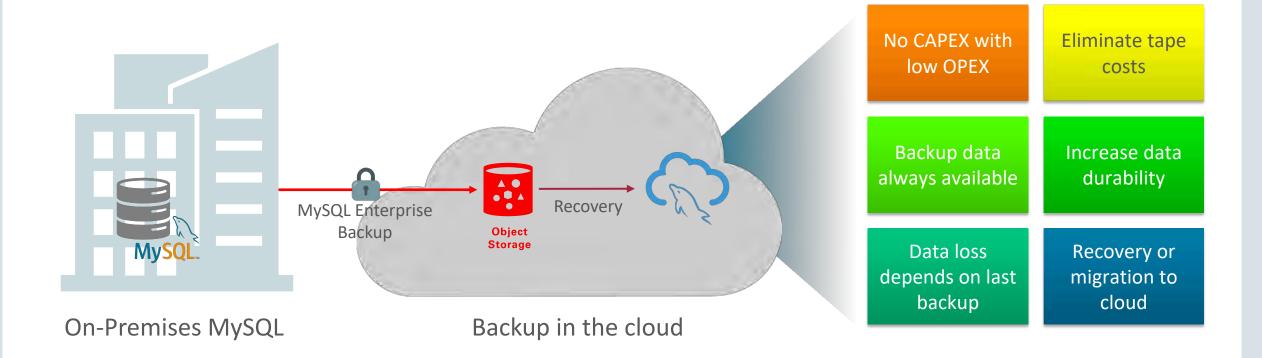


- Cloud Backup
 - Store MySQL backup to Oracle Storage Cloud
- MySQL Cloud Service as DR Site
 - Active Standby (Warm DR)
 - Active Active (Hot DR)



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Disaster Recovery - Backup to Storage Cloud Service Store Backups to Cloud using MySQL Enterprise Backup





Disaster Recovery - Backup to Storage Cloud Service Store Backups to Cloud using MySQL Enterprise Backup

mysglbackup \

--include-tables=testdb.tl --use-tts=with-full-locking \

--cloud-service=openstack --cloud-container=<oracle storage cloud container> \.

--cloud-user-id=<serviceInstanceName>-<identityDomainName>:<userName> --cloud-password=<password>

--cloud-tempauth-url=https://<dataCenterCode>.storage.oraclecloud.com \

```
--cloud-trace=1 --cloud-object=image_900.mbi \
```

--backup-dir=/home/user/dba/orbackuptmpdir \

---backup-image=- \

backup-to-image



Disaster Recovery – Recover to MySQL Cloud Service

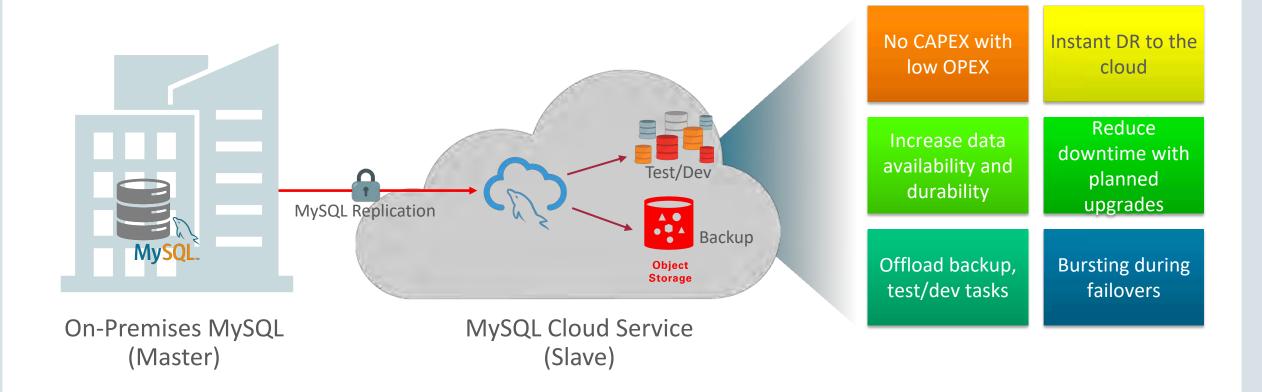
Recover MySQL Database in Minutes from Backup stored in Storage Cloud

- Create new instance in minutes
 - Pre-loaded with existing data from backup
 - Provisioned with MySQL
 Enterprise Monitor
 - Optimized configuration

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Disaster Recovery – Warm DR to MySQL Cloud Service Setup a MySQL Slave in the Cloud using MySQL Replication





Disaster Recovery - Warm DR to MySQL Cloud Service

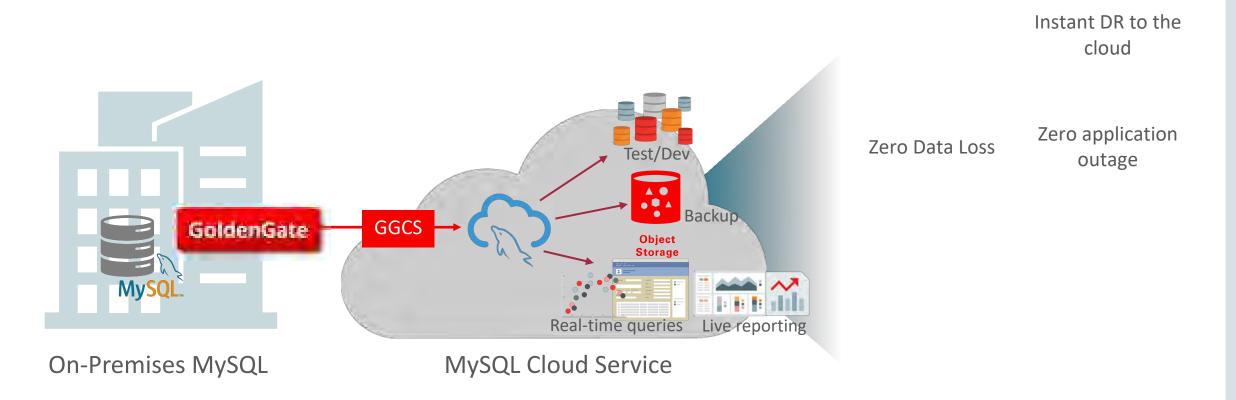
Simple steps to setup replication between on-premise MySQL and MySQL Cloud Service

STEP 1: Upload backup from on-premise MySQL to Storage Cloud
STEP 2: Provision MySQL Cloud Service with Backup
STEP 3: Create Access Rules to allow communications between on-premise MySQL and MySQL Cloud Service
STEP 4: Configure on-premise MySQL as Master
STEP 5: Configure MySQL Cloud Service as Slave
STEP 6: Start replication
STEP 7: Check replication status



Disaster Recovery – Hot DR to MySQL Cloud Service

Setup Active Database in the Cloud using GoldenGate Cloud Service





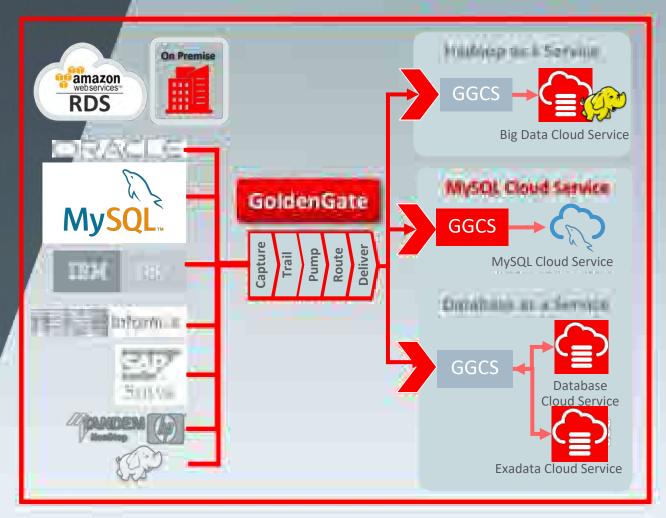
Disaster Recovery - GoldenGate Cloud Service Robust Real-time Data Replication platform for Cloud

Key Features

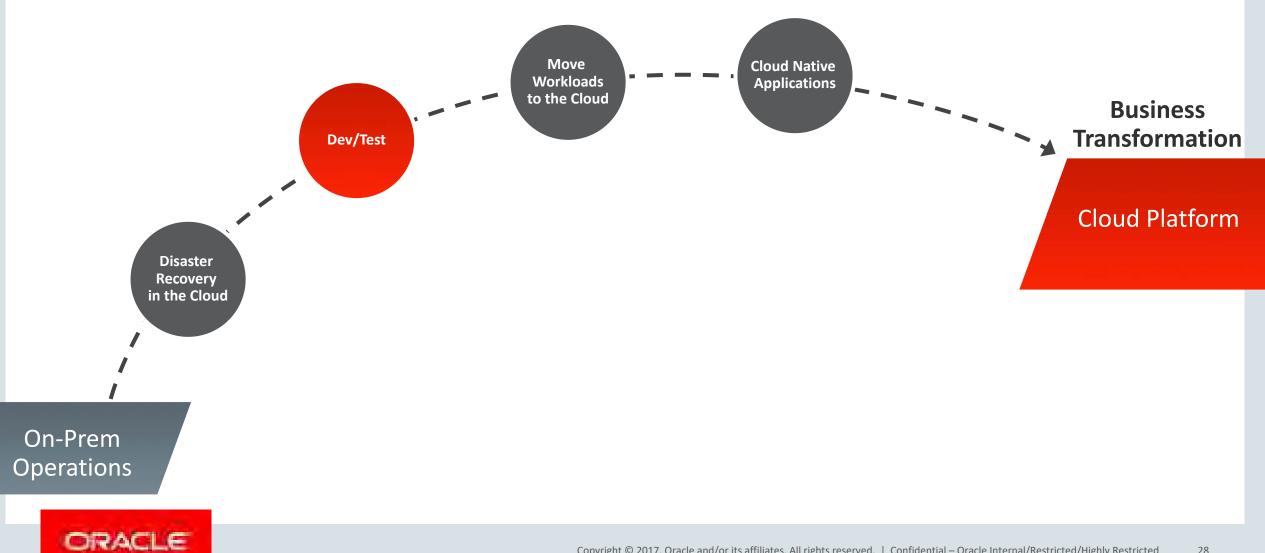
- Consistent user experience with the core
 Oracle GoldenGate technology
- Replication in Hybrid Cloud From On-Premise to Cloud, Cloud to Cloud and Cloud to on-Premise
- No Data Loss

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- Real-time Data Delivery
- Built-in monitoring and alerting



Journey to the Cloud



Create Dev/Test Environment in the Cloud

Common Use Cases

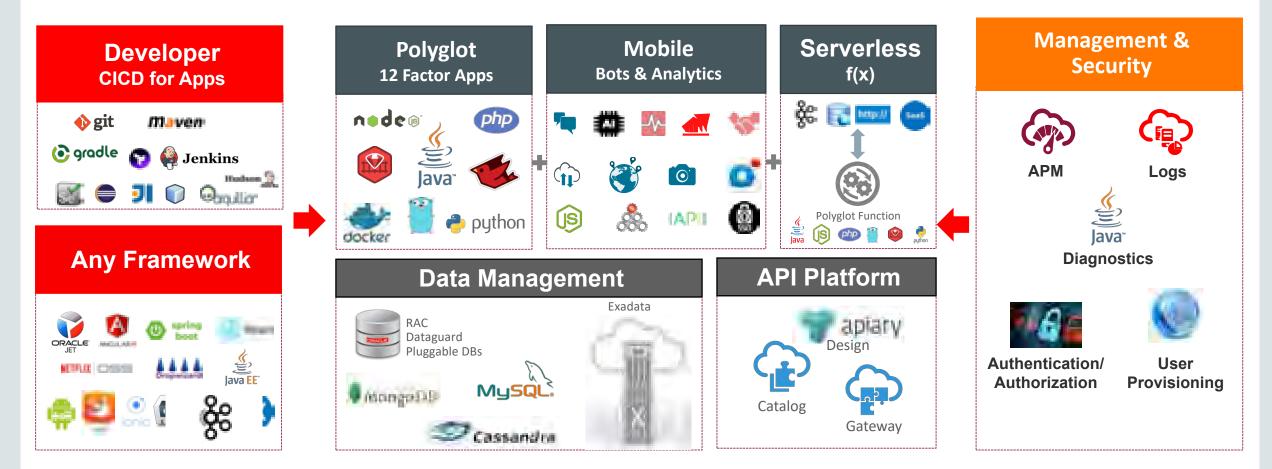
Recreate Production Workloads in Cloud

Cloud Native Dev/Test



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Dev/Test - Oracle Solution for Cloud Native Applications



High Performance/Secure laaS (Bare Metal, Virtualized, Dedicated, Cloud@Customer)

