

"LIFT AND SHIFT YOUR ZABBIX
TO ORACLE CLOUD WITH
MYSQL DATABASE SERVICE".

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Safe harbor statement

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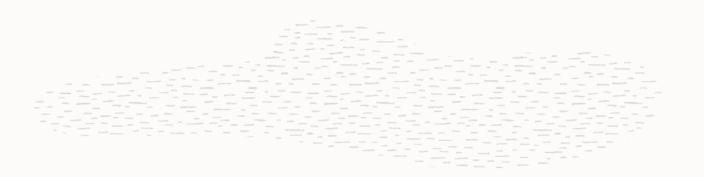
whoami

- Linux and MySQL user since ≈ 2006
- Working at Oracle/MySQL since 2017 (lot of travel => lot of fun!)
- Regularly speaking at conferences
- Previously working in the Security and Digital Transformation (API)
 space
- From Italy but based in Warsaw
- Love movies, travelling, cooking...



Agenda

- Moving to the cloud
- Planning the migration
- 3 Migrating the application
- 4 Migrating the database to MySQL Database Service
- 5 Next Steps

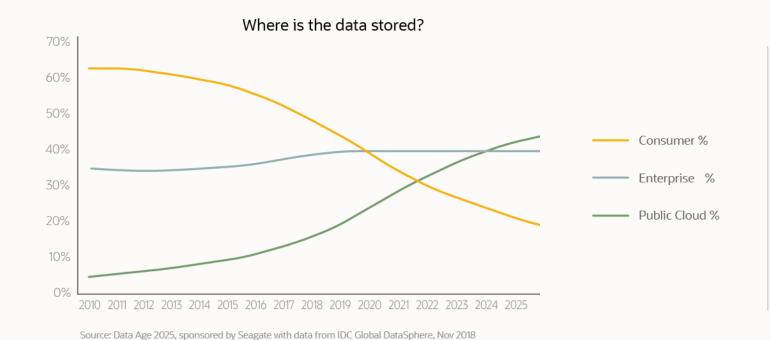




Moving to the cloud



Data is moving to the Cloud



49%

of the world's data will reside in public cloud environments by 2025

Source: <u>IDC</u>

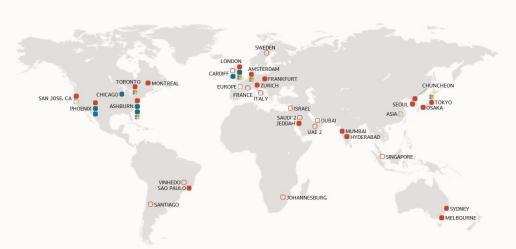


Oracle's Public Cloud Presence

#4

Gartner Magic Quadrant

"Cloud Infrastructure" Ranking
Based on "Completeness of Vision" and "Ability to Execute"



26 Regions Live, 12+ Planned



24+ Industry and Regional Certifications



Moving Zabbix to Oracle Cloud

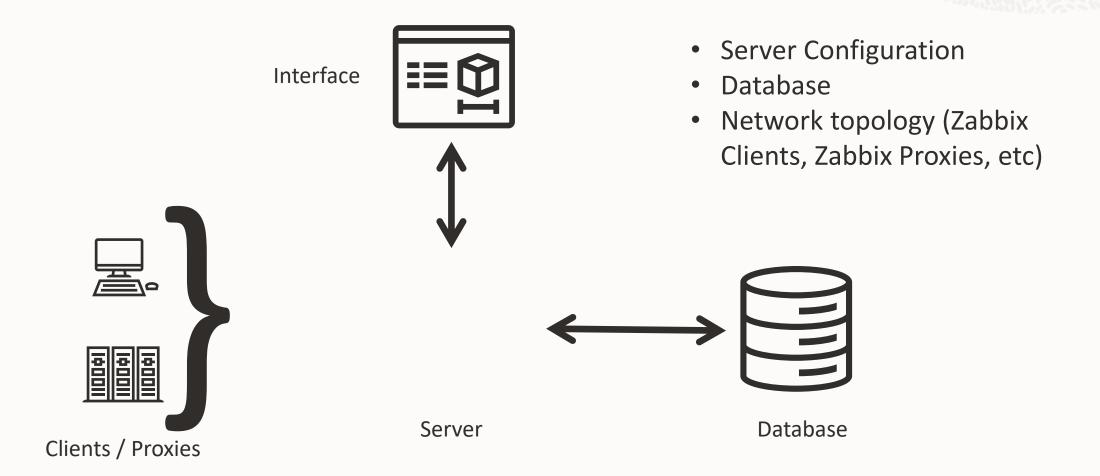
- Get always the latest updates on technology stack, minimizing donwtimes and service windows
- Convert the time you spend managing your monitoring platform in time you spend monitoring your platforms
- Leaverage the most secure and cost-effective cloud platform in the market



Planning the migration



Requirements: What do I need to keep in mind?



Requirements: What do I need to set up in my OCI tenancy?



MySQL Database System



Compute Instance for Zabbix Server



Storage for Database and Backup

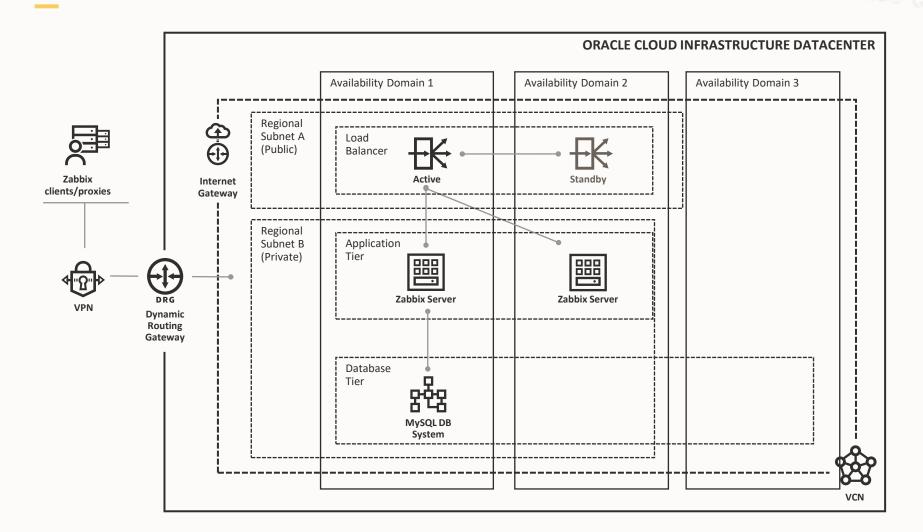


Networking/Load Balancing





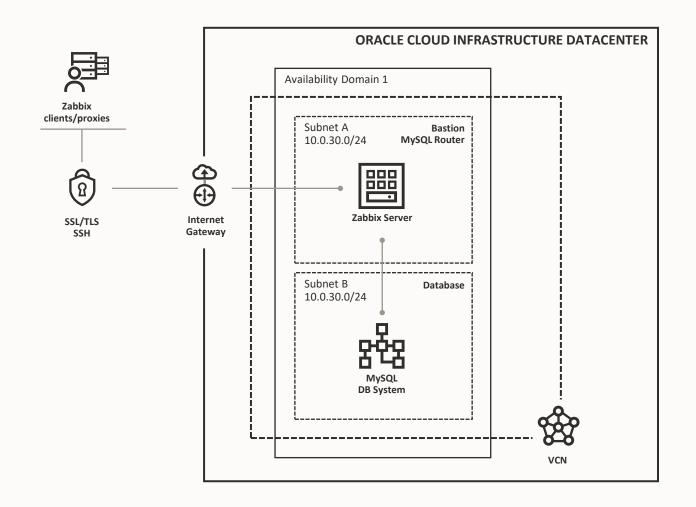
Oracle Cloud target architecture for Zabbix



Required Components:

- Cloud Networking
- Zabbix Cloud Image
- MySQL Database Service
- VPN Connection for client/proxies

Oracle Cloud target architecture for Zabbix: a simpler solution



Migrating the Application to Oracle Cloud



Deploy the Zabbix Application

Before you begin:

- Set up tenancy and compartments
- Set up cloud networking public and private VCN

Deploy Zabbix:

- One click deployment vs DIY:
 Use the official Zabbix OCI Marketplace Image
 ...or deploy an OCI Compute Instance and install manually
- Choose the desired Compute "shape" during deployment

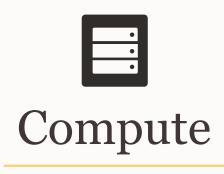
Configuration:

- Start the instance
- Edit the config file
- Point to the database

...Done!







Compute services for any enterprise use case

Bare Metal	VMs	Containers	Functions
Instance isolation Highest IOPS High throughput Low latency	Security- hardened hypervisor Flexible sizing Dense IO and Dedicated host options	Bare metal performance Self-healing clusters	Pay only for usage Serverless Container-native Open source

AMD EPYC	Intel Xeon		NVIDIA GPUs
Local Attached Storage		Remote Attached Storage	
NVMe SSDs Up to 51.2 TB Millions of IOPS		NVMe Block Volumes up to 1PB 32 TB / volume 75 IOPS / GB	

Migrating the Database to MySQL Database Service



MySQL Database Service

100% developed, managed, and supported by the MySQL team

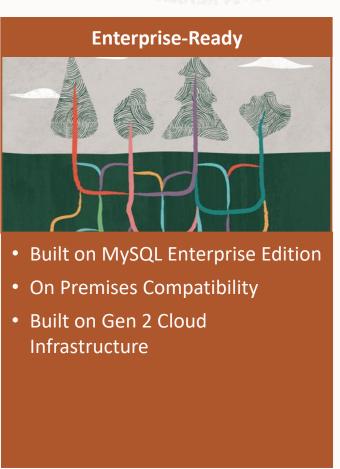




• Instant Provisioning

Latest Features





Considerations before your migration

Before you begin:

- Check your MySQL 8.0 compatibility
- Check your database size
- Plan a service window

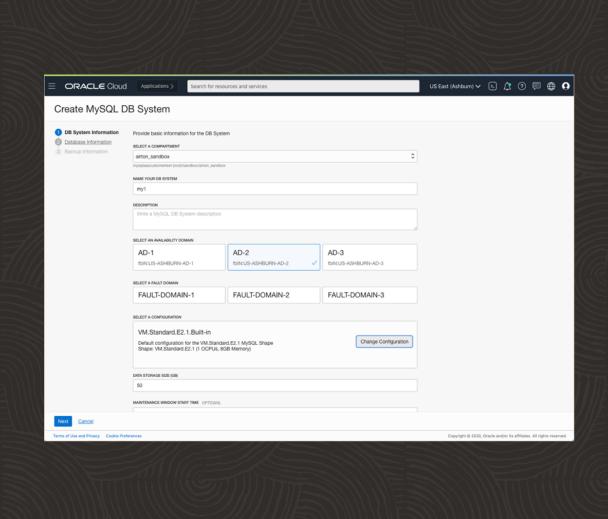
High-level migration plan:

- 1. Setup cloud networking
- 2. Setup your (on-prem) networking secure connection
- 3. Create MySQL Database Service DB-System with storage
- 4. Move the data MySQL Shell Dump & Load utility



Easily create MySQL instances with just a few clicks

- Create customized configuration
- Start the creation of DB system
- Select Virtual Cloud Network (VCN) and Subnet to place your MySQL endpoint
- Select pre-defined MySQL instances or create customized instances for your workload
- Shape for the DB System (CPU and RAM) will automatically be set
- Select size of the storage for data and backup
- Create backup policy or accept the default





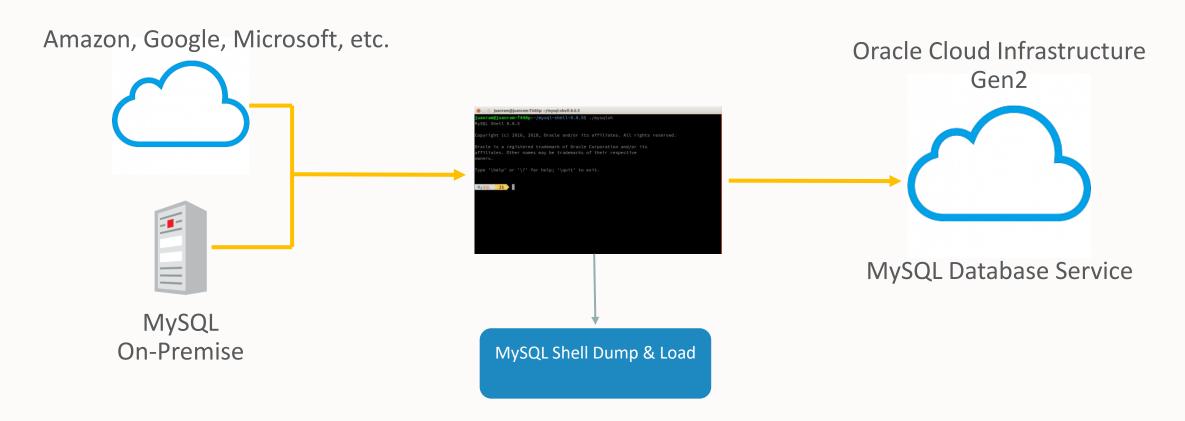
MySQL Shell Upgrade Checker Utility

util.checkForServerUpgrade()

```
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Other names may be trademarks of their respective owners.
Type '\help' or '\?' for help; '\quit' to exit.
[ MySQL JS = \c admin@mdb.cmafklq6vywl.us-east-2.rds.amazonaws.com:3306
Creating a session to 'admin@mdb.cmafklg6vywl.us-east-2.rds.amazonaws.com:3306'
Fetching schema names for autocompletion... Press ^C to stop.
Your MySQL connection id is 5703
Server version: 8.0.20 Source distribution
No default schema selected; type \use <schema> to set one.
[ MySQL mdb.cmafklq6vywl.us-east-2.rds.amazonaws JS util.checkForServerUpgrade() ]
The MySQL server at mdb.cmafklq6vywl.us-east-2.rds.amazonaws.com:3306, version
8.0.20 - Source distribution, will now be checked for compatibility issues for
upgrade to MySQL 8.0.21...
1) Issues reported by 'check table x for upgrade' command
  No issues found
Errors:
Warnings: 0
Notices: 0
No known compatibility errors or issues were found.
MySQL mdb.cmafklq6vywl.us-east-2.rds.amazonaws JS
```



Loading the data MySQL Shell Dump & Load - NEW!





Next Steps





Test Drive MySQL Database Service For Free Today

Get \$300 in cloud credits

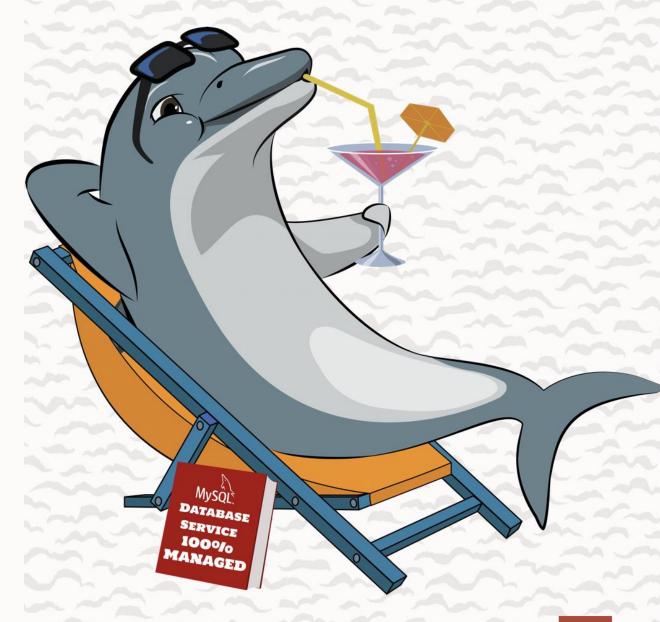
and try MySQL Database Service and other services in OCI free for 30 days.

Get in touch with us!

Questions?



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