



# MariaDB





# For Today's Class ... Connect to a Linux EC2 Instance



1. Parameters:
  - a. AMI: Amazon Linux 2
  - b. Ensure **Public IP** is enabled
  - c. Tag: Name=<your choice>
  - d. SG:
    - i. Port 22
    - ii. Port 3306





# Today's Takeaways

- ▶ Install and configure MariaDB Server in EC2
- ▶ Connect to database
  - locally
  - using another EC2 instance
  - using MySQL WorkBench (time permitting)



1

# MariaDB



# What is MariaDB

- ▶ MariaDB is an open source relational database management system (DBMS) that is a compatible drop-in replacement for the widely used MySQL database technology.
- ▶ It was created as a software fork (taking the source code from an open source software program and develop an entirely new one) of MySQL by developers who played key roles in building the original database.
- ▶ They devised MariaDB in 2009 in response to Oracle Corp.'s acquisition of MySQL, a commitment to stay open source.

# MariaDB

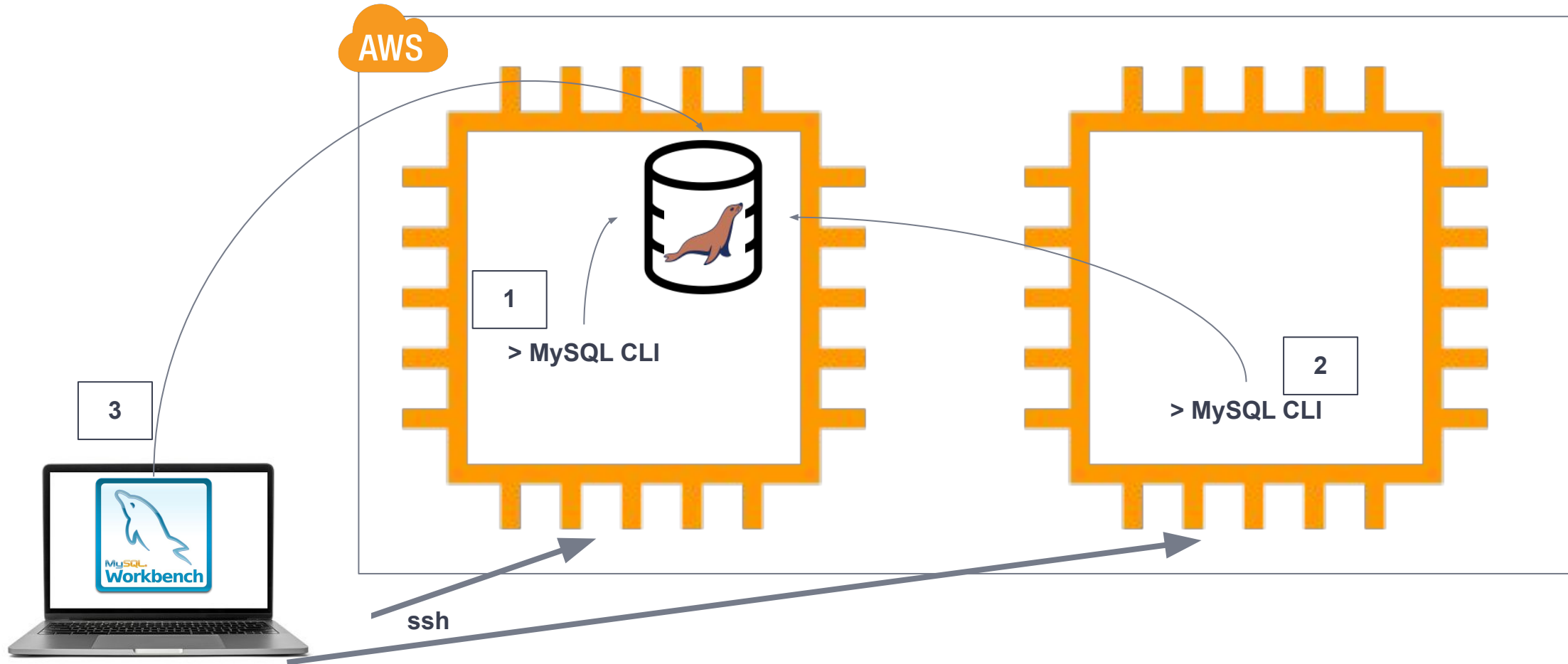
## Background



- “Fork” from MySQL in 2009
- Intended to maintain high compatibility with MySQL
  - Some new features have caused divergence
- Commitment to stay Open Source
  - MySQL  $\Rightarrow$  Sun Microsystems (2008)  $\Rightarrow$  Oracle (2009)
- MariaDB meets the same standard enterprise requirements as MySQL, often with additional features, capabilities and options, and by implementing the MySQL protocol and maintaining compatibility with common MySQL data types and SQL syntax, it's easy to migrate from MySQL to MariaDB without modifying applications and/or dropping requirements.

# MariaDB

## Database Architecture / Access



**\*\* compare to RDS \*\***

# Lifecycle Management & Bucket Replication

Let's get our hands dirty!

- Installing and configuring MariaDB





# THANKS!

## Any questions?

You can find me at:

- ▶ @sumod
- ▶ sumod@clarusway.com

