**Aurora**

**What is Aurora?**

* Amazon Aurora is a MySQL-compatible, relational database engine that combines the speed and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases. Amazon Aurora provides up to five times better performance than MySQL at a price point one tenth that of a commercial database while delivering similar performance and availability.

**Aurora Scaling:**

* Start with 10GB, Scales in 10GB increments to 64TB (storage Autoscaling)
* Compute resources can scale up to 32vCPUs and 244GB of memory.
* 2 copies of your data is contained in each availability zone, with minimum of 3 availability zones. 6 copies of your data.
* Aurora is designed to transparently handle the loss of up to two copies of data without affecting database write availability and up to three copies without affecting read availability.
* Aurora storage is also self-healing. Data blocks and disks are continuously scanned for errors and repaired automatically.

**Aurora Replicas:**

* 2 types of replicas are available:
  + Aurora Replicas (currently 15)
  + MySQL read replica (currently 5)

**Aurora Exam Tips:**

* Not in exam yet.