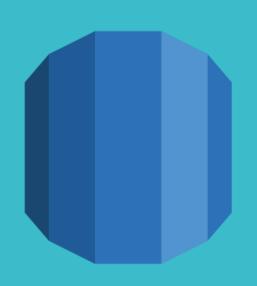


### Expected Learning Outcomes



- Monitoring
- → Scaling
- Performance
- Security





#### Monitoring and Alerting on AWS

Amazon Web Services

- AWS CloudWatch is the defacto monitoring service on AWS which monitors key metrics of various AWS services like:
  - AWS EC2
  - AWS RDS
  - And many others





#### AWS RDS: Key Metrics







**Free Storage Space** 



**Read Latency/Write** Latency









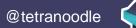








- mySQL Metrics
  - Query Throughput
  - Query Performance
  - Connections
  - Resource Utilization
- **DB** Instance Class
- Storage Types
  - General Purpose SSD
  - Provisioned IOPS















# **DE**Permissions

**And Roles** 

- Db Access Management
  - User Level
  - Database Level
  - Role Management
  - Security Groups







Security

- Firewalls / Ports
- Encryption
  - In Transit
  - At Rest









- → Auditing
  - → AWS CloudTrail





## Recap



- Monitoring
- → Scaling
- Performance
- Security