

AWS Foundation

Monitoring - CloudWatch Part I



Agenda



Pre-CloudWatch

3 Architecture

5 Dimensions & Statistics

Monitoring

4 Metrics & Namespaces

5 Resource Metrics





Monitoring

What is the need of monitoring?





CloudWatch Monitoring

Monitors all AWS resources provisioned and deployed. Gives system wide visibility into resource utilization.

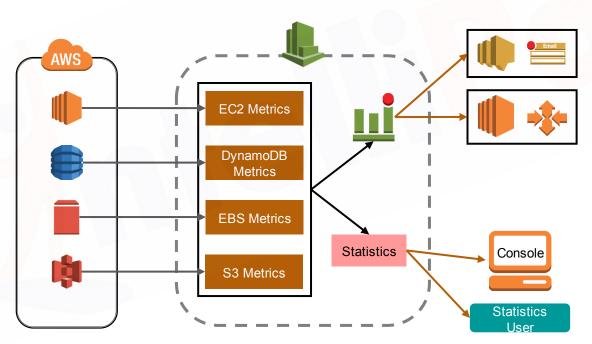


- Sends notifications if anything goes wrong.
- Following services are used in conjunction with CloudWatch
- SNS
- AS
- CloudTrail





Architecture

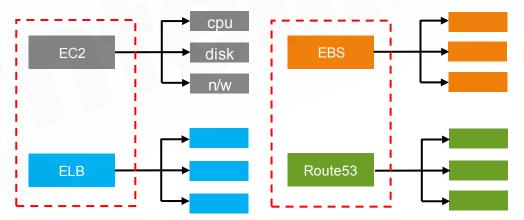






Metrics & Namespaces

- Metrics are fundamental to CloudWatch monitoring.
- Individual data points which are monitored, all actions are based on metrics. e.g. CPU
 Utilization percentage.
- All AWS services send metrics to CloudWatch by default.

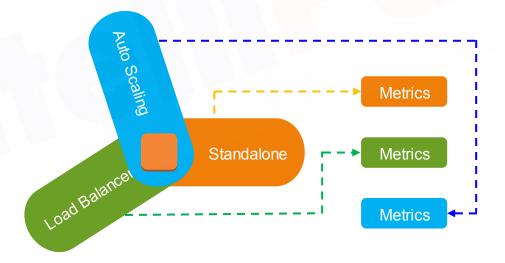






Dimensions & Statistics

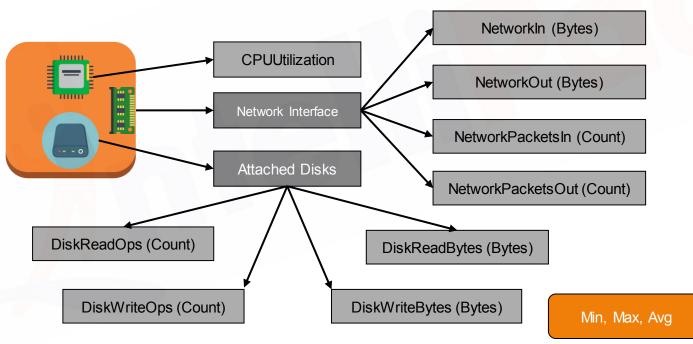
- Dimensions
- Statistics: Data aggregations over a period of time.



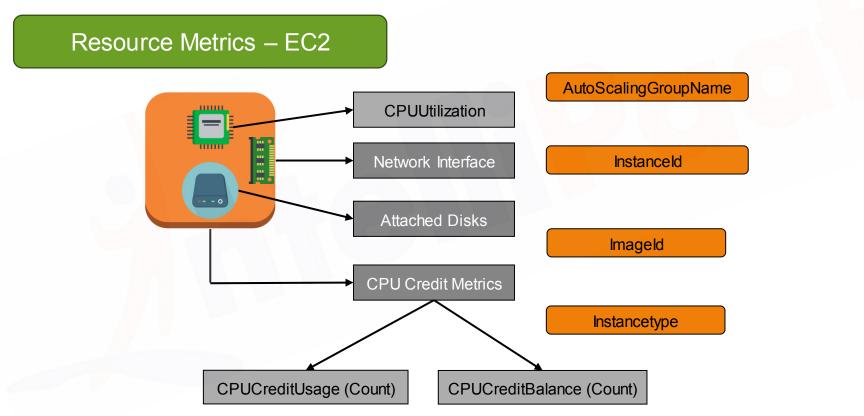




Resource Metrics – EC2











Resource Metrics – EBS

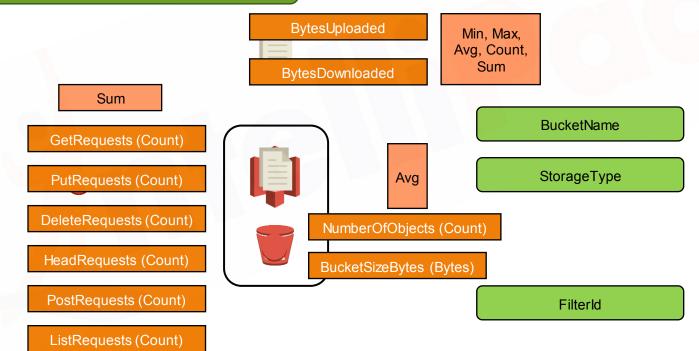


Metrics	Unit	Statistics
VolumeReadBytes	Bytes	Sum, Avg, Count
VolumeWriteBytes	Bytes	Sum, Avg, Count
VolumeReadOps	Count	
VolumeWriteOps	Count	
VolumeTotalReadTime	Seconds	
VolumeTotalWriteTime	Seconds	
VolumeldleTime	Seconds	
VolumeQueueLength	Count	
VolumeThroughputPercentage	Percent	
VolumeConsumedReadWriteOps	Count	
BurstBalance	Percent	





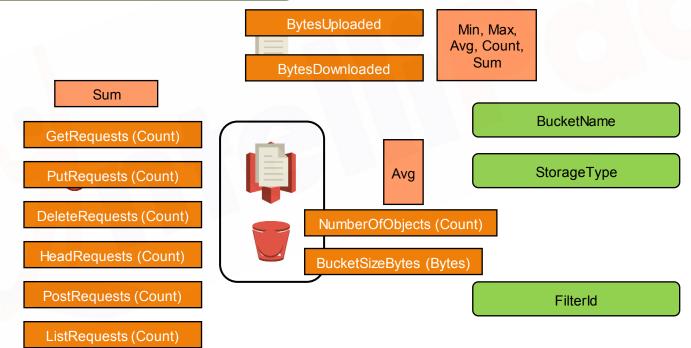
Resource Metrics – S3



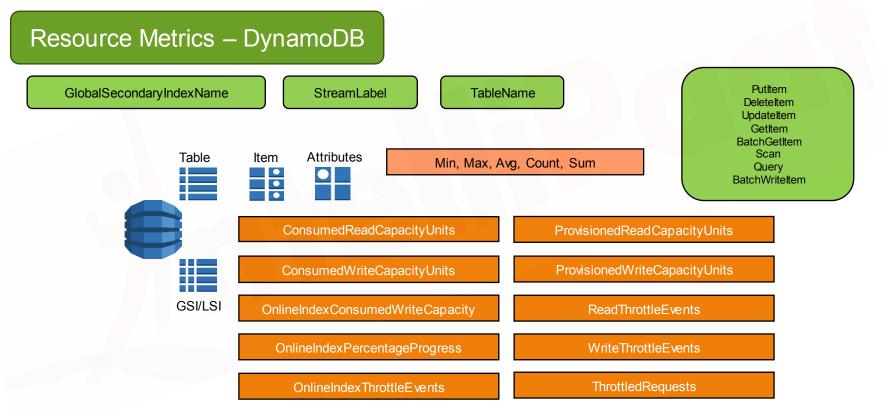




Resource Metrics – DynamoDB









Resource Metrics – AS



GroupMinSize

GroupMaxSize

GroupDesiredCapacit

GroupInServiceInstance

GroupPendingInstanc es GroupStandbylnstance s

GroupTerminatingInstances

GroupTotalInstances









US: 1-800-216-8930 (TOLL FREE)



sales@intellipaat.com



24X7 Chat with our Course Advisor