How To-using AWS CloudWatch, CloudTrail

What is CloudWatch?

- Amazon CloudWatch is a monitoring service to monitor our AWS resources,as well as the applications that we run on AWS.
- CloudWatch is used for monitoring performance.
- CloudWatch can monitor most of AWS as well as your application that run on AWS.
- CloudWatch with EC2 will monitor events every 5 minutes by default.
- we can have 1 minute intervals by turning on detailed monitoring.
- we can create CloudWatch alarms which trigger notifications.
- CloudWatch is all about Performance.

CloudWatch can monitor things like

Compute

- EC2 Instances
- Autoscaling Groups
- Elastic Load Balancers
- Route53 Health Checks

Storage & Content Delivery

- EBS Volumes
- Storage Gateways
- CloudFront

Host Level Metrics Consist of:

- CPU
- Network
- Disk
- Status Check

What is AWS CloudTrail?

- AWS CloudTrail increases visibility into our user and resource activity by recording AWS management console actions and API calls. we can identify which users and accounts called AWS,the source IP address from which the calls were made, and when the calls occurred.
- AWS CloudTrail is a log of every single API call that has taken place inside your Amazon environment.
- CloudTrail monitors API calls in the AWS platform.
- CloudTrail is all about Auditing.

Install and Configure the CloudWatch Logs Agent on a Running EC2 Linux Instance