**Monitoring:**

* To make sure the servcies up and running or make stable. To achieve this we use monitoring.
* To notify before the endservices gets stopped working or user sees the problem before startup we use monitoring.
* Monitoring is an aleritng mechanism where the team gets notified before and after the outage taken cares.

**Different Types of Monitoring:**

1)OS Monitoring: Monitoring the OS like Linux, Ubuntu, Windows , Ubuntu etc..

2)Application Montioring: To monitor the response time, no.of users hitting the application, forbidden access(400 error) i.e. unauthorised access.

3)Network Monitoring: Traffic flow(how much data is entering) and loss of data, capturing packages.

4)ping monitoring: whenever the servers go down or die we should get alerted for that we use ping monitoring.

5)Log Monitoring: monitoring the logs.

**How to people get notified when something is wrong:**

1)Email notification

2)integrating with ITSM tool

3)WEBHOOK Integration

**How these Monitoring works?**

There are two ways all these monitoring tool works.

Agent based

SNMP Polling

**Enterprise Monitoring Tools:**

1)Microsoft SCOM

2)BMC PATROL

**Application Monitoring Tools:**

1)AppDynamics

2)DYNATRACE

3)APPLICATION INSIGHTS

**Network Monitoring Tools:**

SOLARWINDS

**Ping Monitoring Tools**:

NERVECENTER

**SIEM(SECURITY INCIDENT EVENT MANAGEMENT) Tools:**

SPLUNK

KIBANA

AZURE LOG ANALYTICS

GOOGLE BIG QUERY

**DEVOPS Monitoring Tools**

NAGIOS

DATA DOG

PROMOTHEUS