

1. Infra Set karna azure devops/github actions se
 2. CI for all 4 microapps- multistage dockerfile ko build karke ACR me push karna hai
 3. Kubernetes deployment.yaml, service.yaml, ingress.yaml.. likh kar.. argocd set karke... helm se deploy karna hai..
 AKS me do namespace hoga, preprod and prod

Deadline for Infra Automation - 25th Nov 2025

DeadLine for App Deploy using Helm - 30 November 2025

Prod me Jane se pehle, SAST, DAST, Threat Modeling, Pen Test, Qualys, Owasp ZAP, OpenVAS, BlackDuck

Monitoring is part of maintenance, monitoring and security dono bhai bhai hai..

Monitoring kya kya chizo ka ho sакta hai IT field me?

Server Level

Middleware Level

App Level

Database Level

Network Level

garbage_collection
jvm_heap
http_errorcode
latency

response_time
api_error_rate
request_throughput
api_resource_usage

query_latency
db_cpu
db_memory

packet_loss
bandwidth

Pod

VM

disk_usage
cpu_usage
ram_usage
load_average
uptime
syslogs
security logs
network traffic
health check

Tools Used for Monitoring

Azure Native Tools
Azure Monitor
Azure Insights

Prometheus
Grafana
ELK Stack
Splunk
NewRelic
Datadog
Dynatrace
App Dynamics
Zabbix
Nagios

Monitoring Tool is a software, Koi bhi gadbad hua application level pr, server level pe, health me problem hua, vo tool continuously check karta hai..

Monitoring Tool kaam kaise karta hai?

1 Data Collection

Metrics

Logs

Data Collection karne ke lie Agent dalna pdega..

Agent Based Monitoring Tool

Agentless Monitoring Tool

2 . Data Storage

Prometheus(tsdb), Influx DB, Elastic Search, Log Analytics Workspace

3. Data Analysis and Processing

4. Alerting - email, teams, sms, phone call, etc..

5. Dashboard, Visualization(Grafana, Kibana, Dynatrace, Datadog Dashboard, Azure Dashboard, Power BI)

Azure Monitor me KQL chita hai...

Log + Traces + Metrics = Observability

Metrics - Number jaisa

Log - text data

Traces = end to end flow