Grafana loki

After infra/application deployment we need to observe their performance to check this we are observing the monitoring part we are checking the logs if any misshaping occur alert will trigger.

Prometheus: - Ye time series-based database or matrix pe work krta hai, matrix collect krta hai aur Grafana ko data source provide krta hai.

Loki (Source): - Important logs ko capture kr k Grafana dashboard ko share krta hai.

Prom-tail (log collector): - Logs capture krne ke liye use hota hai

Steps to create Grafana and loki with prom-tail: -

Create a Linux vm on azure cloud >> access Vm using SSH

Install Grafana on Linux VM

Run below commands –

Sudo apt update

1. Create Repo and Key for Grafana

sudo apt-get install -y software-properties-common

sudo mkdir -p /etc/apt/keyrings/

curl -fsSL https://packages.grafana.com/gpg.key | sudo gpg --dearmor -o /etc/apt/keyrings/grafana.gpg

echo "deb [signed-by=/etc/apt/keyrings/grafana.gpg] https://packages.grafana.com/oss/deb stable main" | sudo tee /etc/apt/sources.list.d/grafana.listepo and key for Grafana tool

1. Install Grafana

sudo apt-get update -y

sudo apt-get install grafana -y

1. Enable & Start Service

sudo systemctl enable grafana-server

sudo systemctl start grafana-server

sudo systemctl status grafana-server

1. Check output if grafana install output will show--

dpkg -l | grep grafana

1. Allow app ports of VM inside the NSG rule
2. <public ip of Vm>:3000 >> now grafana dashboard will be visible to you on your local system

* Username: admin
* Password: admin

Install Loki on Linux VM

1. Update your system first

sudo apt-get update -y

sudo apt-get install -y wget curl unzip tar

1. Install Loki

Create Directory and user first

sudo useradd --no-create-home --shell /usr/sbin/nologin loki 2>/dev/null || true

sudo mkdir -p /etc/loki /var/lib/loki

sudo chown -R loki:loki /etc/loki /var/lib/loki

1. Download Latest Loki binary and install