Module 6: Monitoring and Logging

Why Monitoring and Logging?

Monitoring ensures systems are running smoothly, while logging helps track and diagnose issues.

Popular Tools:

Prometheus (Monitoring)

Installation (Step-by-Step):

1. **Download Prometheus:**
   - Visit [Prometheus Download Page](#).
2. **Run Prometheus:**
   - Extract the downloaded files.
   - In the terminal, run: `./prometheus`
3. **Access Prometheus:**
   - Open http://localhost:9090 in your browser.

Grafana (Visualization)

Installation (Step-by-Step):

1. **Download Grafana:**
   - Visit [Grafana Official Website](#).
2. **Install and Run Grafana:**
   - Follow installation instructions for your OS.
   - Start Grafana with: `grafana-server`
3. **Access Grafana:**
   - Open http://localhost:3000 in your browser.

Ease of Use:

- **Prometheus:** Lightweight, efficient for metrics collection.
- **Grafana:** User-friendly dashboards for visualisation.
- **Open-Source:** Both tools are free and community-supported.