21_Logging_And_Monitoring

Logging - Google stckdriver

Montoring - Grafana

Alerting -connect to Slack

1 Prerequisite

JSON

A file format heavily used in APIs and configuration. Stands for **J**ava**S**cript **O**bject **N**otation. Example:

```
{
    "version": 1.0,
    "name": "AlgoExpert Configuration"
}
```

3 Key Terms

Logging

The act of collecting and storing logs--useful information about events in your system. Typically your programs will output log messages to its STDOUT or STDERR pipes, which will automatically get aggregated into a **centralized logging solution**.

Monitoring

The process of having visibility into a system's key metrics, monitoring is typically implemented by collecting important events in a system and aggregating them in human-readable charts.

Alerting

The process through which system administrators get notified when critical system issues occur. Alerting can be set up by defining specific thresholds on monitoring charts, past which alerts are sent to a communication channel like Slack.