Course Name

**Zabbix And Grafana**

My name

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Comparison of Monitoring Tools:

Zabbix

Prometheus

OpManager

AppManager

DataDog

Prtg

Solarwinds

ELK

Splunk

ZABBIX

Zabbix VS Prometheus :

| Features | Prometheus | Zabbix |
|---|---|---|
| Installation | Simple | Simple |
| Query language | PromQL | Item keys |
| Architecture | Automatic detection(Metrics) | Server/agent |
| Data storage | Internal database | External database |
| Data management | Time-series data(Quick But for 14 days and per milisecend data) | Time series, logs |
| Data visualization | Expression browser | Dashboard |
| System alerting | Alertmanager | Built-in |
| Scalability | Less than 10,000 nodes | Large |
| Environment | Service-based | Machine-based |

ZABBIX

| Monitoring Tools | Overall Rate (5) | Server Monitor | Network Monitor | Database Monitor | Storage Monitor | Price | Understanding | Easy Develop | Ease Of Integration | 3rd-Party Available | End User Training | community | Technical Support |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zabbix | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.4 | 4.5 | 4.3 | 4.3 | 4.2 | 4.3 | 4.4 | 4.3 |
| SolarWinds | 4.5 | 4.6 | 4.5 | 4.3 | 4.3 | 4 | 4.3 | 4.4 | 4.2 | 4.1 | 4.2 | 4.4 | 4.3 |
| PRTG | 4.6 | 4.7 | 4.7 | 4.4 | 4.4 | 4.3 | 4.5 | 4.6 | 4.4 | 4.1 | 4.2 | 4.3 | 4.5 |
| App Manager | 4.7 | 4.8 | 4.5 | 4.7 | 4.5 | 4.3 | 4.6 | 4.5 | 4.4 | 4.3 | 4.3 | 4.3 | 4.5 |
| OpManager | 4.5 | 4.6 | 4.5 | 4.3 | 4.3 | 4.4 | 4.5 | 4.5 | 4.3 | 4.1 | 4.3 | 4.3 | 4.4 |
| DataDog | 4.5 | 4.7 | 4.3 | 4.4 | 4.4 | 4 | 4.4 | 4.5 | 4.5 | 4.3 | 4 | 4 | 4.3 |
| Promethous | 4.6 | 4.6 | 4.3 | 4.6 | 4.6 | 4.5 | 4.5 | 4.3 | 4.4 | 4.5 | 4.4 | 4.5 | 4.4 |
| Splunk | 4.5 | 4.3 | 4.6 | 4.3 | 4.4 | 4.1 | 4.2 | 4.4 | 4.3 | 4.3 | 4.4 | 4.4 | 4.3 |
| ELK | 4.5 | 4.6 | 4.4 | 4.5 | 4.5 | 4.5 | 4.4 | 4.5 | 4.4 | 4.1 | 4.3 | 4.4 | 4.4 |

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Best Practice :(Suggestion )

Server And Network Device : Zabbix –PRTG - Opmanager

Containerize Environment : Prometheus

Log Management : ELK

Application Monitoring : AppManager

Security Monitoring : Splunk

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