Server Online Status Monitoring

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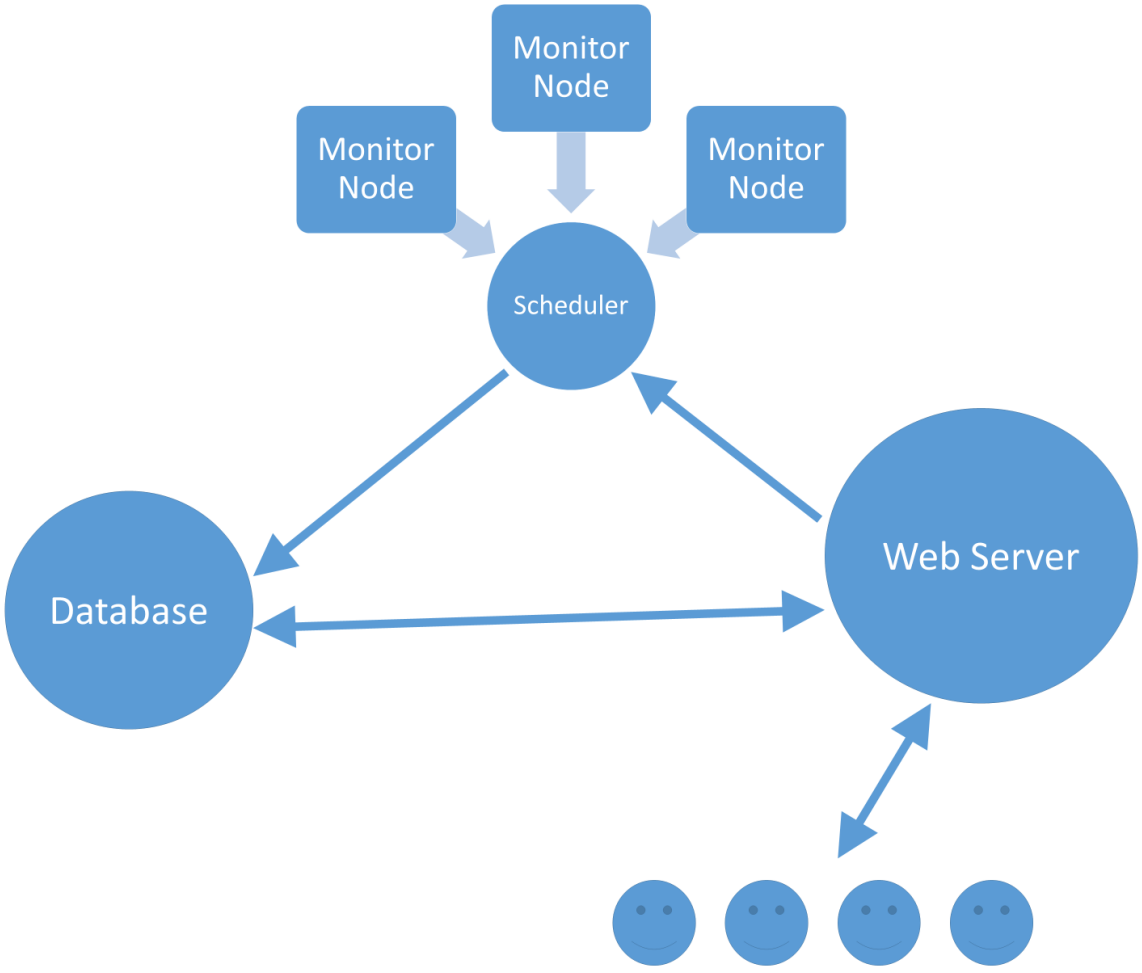
Introduction

A distributed, user-friendly, responsive web system that monitors the online status of any servers located all over the world.

Architecture



Tools

GO (Programming Language)
- **Built In Concurrency**
- **Simple but Productive**
- **Awesome Network Library**

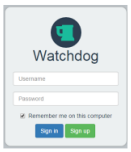
ECHARTS (Data Visualization)
- **Dynamic Addition**
- **Real-time Rendering**
- **Browser Compatible**

HPROSE (RPC)
- **Cross-Languages**
- **Lightweight**
- **High performance**
- **Dynamic (no IDL needed)**

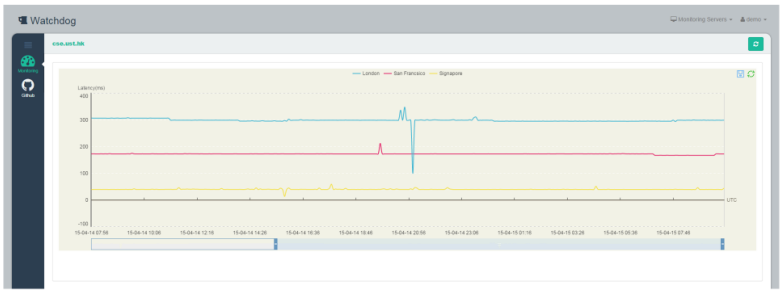
NGINX (Web Server)
- **Smart Architecture (event-driven)**
- **Scalable**
- **Stable**
- **High performance**

Snapshots

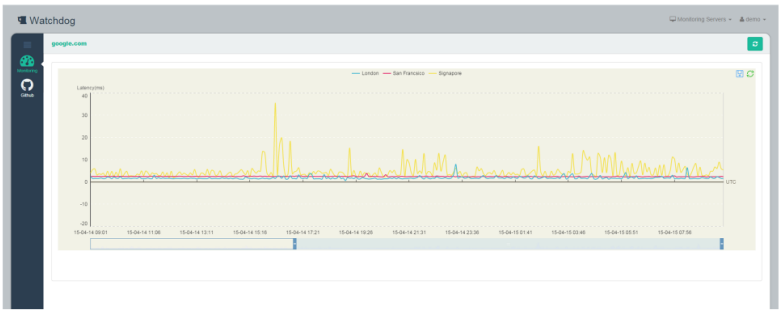
Login Page



Online Status of cse.ust.hk



Online Status of google.com



Add a new server to monitor list

Remove a server from monitor list

Conclusion

Succeed in building a web app that monitors the servers of online status. Given more time, the UI and the user system can be improved.