

# Admonitor

## Simple Server Monitoring

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# Me

- ▶ Naval officer for 10 years
- ▶ Run Simplelists.com
- ▶ Left the Navy 2 years ago to do set up Ctrl O
- ▶ Specialise in SaaS



# The need

- ▶ Needed server monitoring to comply with ISO27001
- ▶ Spent a day using Icinga and Nagios
- ▶ Wanted something more lightweight
- ▶ Did I miss one?



# Start coding?

- ▶ Spend money
- ▶ Spend time
- ▶ Then code



# Admonitor

- ▶ Modular design
- ▶ Centralised architecture
- ▶ Plugins
  - ▶ Agents (production)
  - ▶ Checkers (development)
  - ▶ Alerters (hard-coded)



# Agents

- ▶ HTTPS daemon on remote server
- ▶ Logs resource
  - ▶ Memory
  - ▶ CPU
  - ▶ Disk space
- ▶ Sqlite database
- ▶ Contacted by controller



# Checkers

- ▶ Run on controller only
  - ▶ Ping
  - ▶ HTTP request
  - ▶ Email loop
  - ▶ Email delivery



# Alerts

- ▶ Email
- ▶ SMS?





# Controller

- ▶ Visualisation via web interface
  - ▶ Agents using graphs
  - ▶ Checkers?
- ▶ Sends alerts

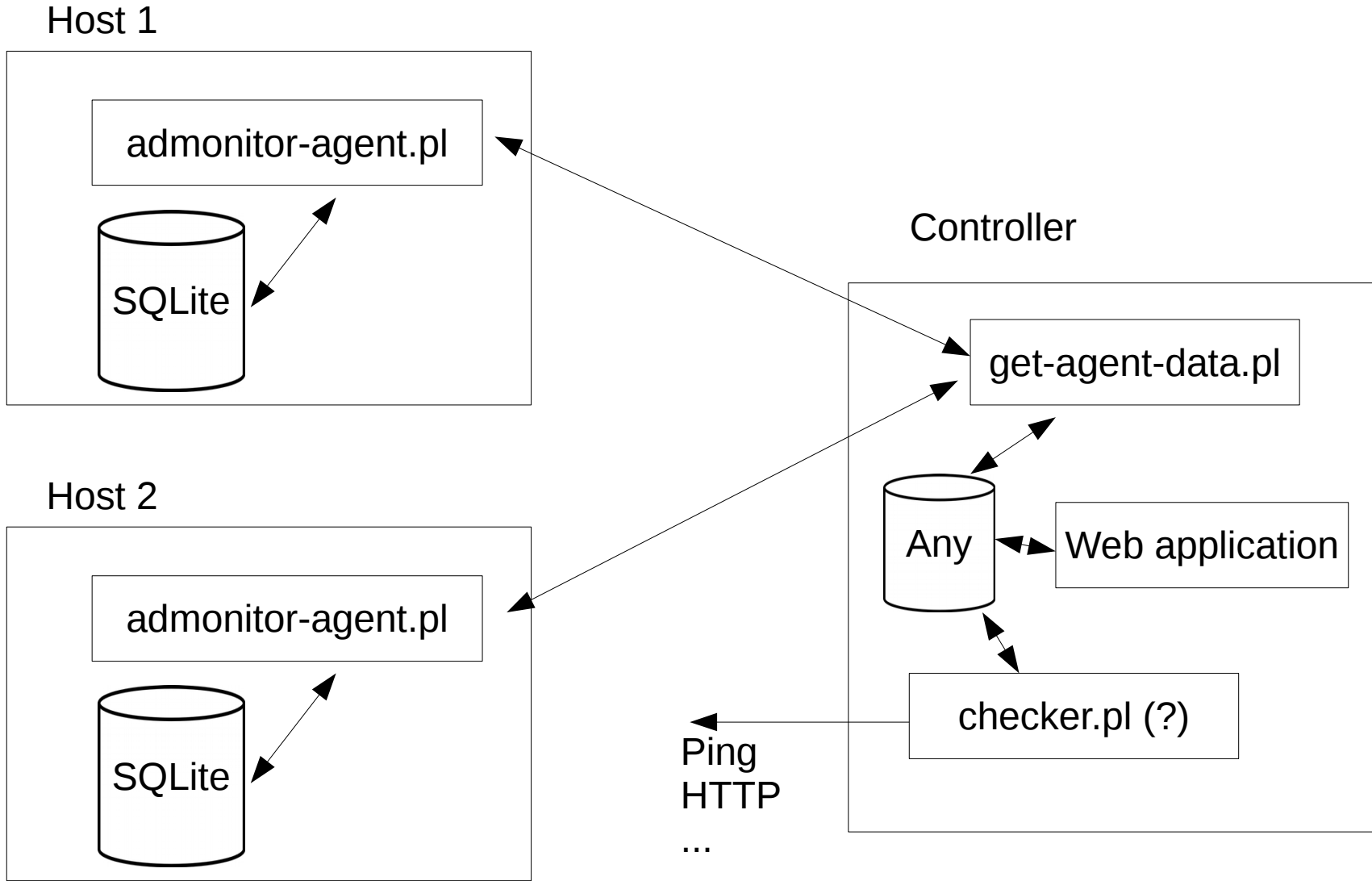




# Configuration

- ▶ No “discovery”
- ▶ Simple database table with list of hosts
  - ▶ Would like to integrate to CMDB
- ▶ Hosts configured using config file





# Design and Installation

- ▶ Remote agents:
  - ▶ Small standalone HTTPS server
    - ▶ 150 lines of Perl
    - ▶ Install into `/usr/local/bin`
  - ▶ Config `/etc/admonitor/agent.yaml`
  - ▶ Run as systemd service
  - ▶ Memory use - push/pull



# Design and Installation

- ▶ Controller:
  - ▶ Database agnostic
  - ▶ Install schema using DBIC::Migration
  - ▶ Create application user
  - ▶ get-agent-data.pl cronjob (Dancer dependency)
  - ▶ Web application in Perl Dancer



# Future

- ▶ Better installation instructions
- ▶ Remove Dancer
- ▶ Add checkers
- ▶ Add notifiers



# Summary

- ▶ Ideal for quick and basic monitoring
- ▶ Very much in development
- ▶ Contact me if you are interested!





# Questions?

