

# Introduction to Nagios

## Systems Administration

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# Our Problem

- ▶ We need to know when things break.
- ▶ We want to know about problems before things break.

# Proposed Solutions

- ▶ ~~We perform various service checks on our systems regularly.~~
- ▶ ~~We write some scripts to automate these steps.~~
- ▶ ???
- ▶ Profit!
- ▶ We use a centralised monitoring tool.

# Monitoring Tools

- ▶ Nagios
- ▶ Icinga
- ▶ Zabbix
- ▶ Spiceworks

Nagios is the best known and most widely used of these and is the one we will use in this paper.

# Example Scenario

- ▶ We have a server, db.micro-agents.net, running the MySQL DBMS.
- ▶ We want to monitor server uptime and the MySQL service.
- ▶ One systems admin should be notified of any issues.
- ▶ We will use puppet to manage the Nagios config.

# The Plan

We will define the following nagios resources in our Nagios Puppet module

- ▶ host: db.micro-agents.net
- ▶ hostgroup with our host as a member
- ▶ contact and contactgroup for the admin
- ▶ service: MySQL