CFEngine

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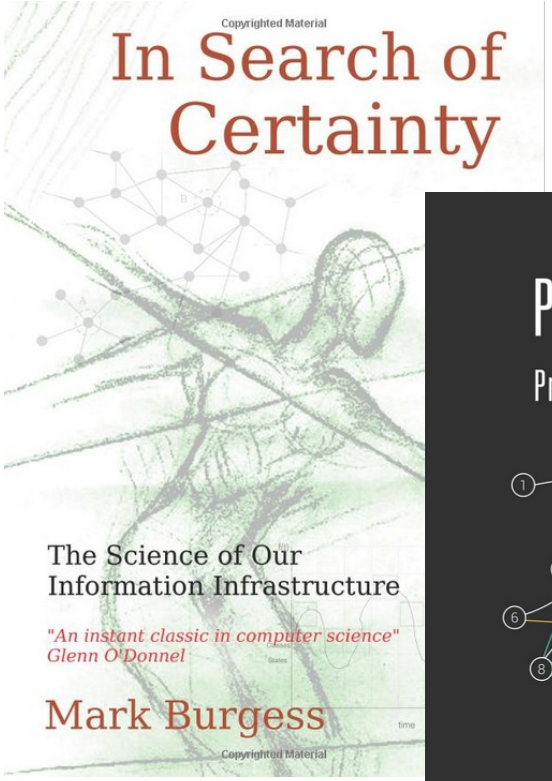
What is CFEngine?

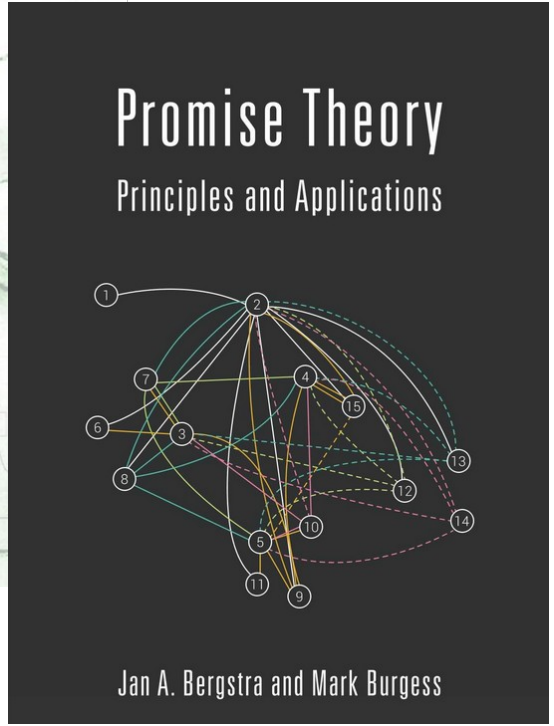
The original configuration management system.

Self healing, distributed, and autonomous.

Backed by science

- Promise Theory





What are the parts?

- Agent to install on every host
  - written in c
  - small footprint
  - runs almost anywhere
  - Reads Policy (text files)
    - Unique Domain Specific Language (DSL)
  - Takes Action (the dangerous end)
- Scheduling Daemon
- Server Daemon

Ecosystem

- A community that's actively building
  - EvolveThinking
    - Evolve Free Library - https://github.com/evolvethinking/evolve_cfengine_freelib
    - Delta Hardening - http://evolvethinking.com/products/delta_hardening/
    - Delta Reporting - http://evolvethinking.com/products/delta-reporting/
  - Normation
    - NCF - http://www.ncf.io/
    - Rudder - http://www.rudder-project.org/site/
  - Dynamic Cfengine 3 - https://github.com/Webhuis/CFEngine-Roadshow/tree/3.6.2
  - CFEngine Enterprise - http://cfengine.com

Demo

- Web Cluster using hub based coordination
  - Proxy
    - Configured as proxy when web servers are ready
  - Web Server(s)

Resources

- http://cfengine.com/learn/
- http://docs.cfengine.com
  -
- #cfengine on irc.freenode.net
- Mailing List/Forum https://groups.google.com/forum/#!forum/help-cfengine