



**SiGNET CA**

# SiGNET CA Nagios Monitor

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# Current Status



- 2004-2009, SiGNET CA Monitor a simple service
  - ~ every 6 hours it downloads each CRL
  - Checks format and signature of CRLs
  - Checks certificate validity daily (rarely with interesting results)
  - Checks EU Grid PMA online repository
  - Compares online distribution version with installed version

# Recent changes



- Autoupdate: since 2 years the distribution check starts a configuration update handle
  - Had many silly bugs with this feature
  - Still simplifies the setup for almost hands off running
- Portability (due to Vinod Rebello)
  - Recently made more portable
  - A silly installation script

# Operational setup



- Simple Nagios 2.\* or 3.\* installation
  - local network definition file
  - 3 custom check plugins (CRL, Cert, Distro)
  - One handle that does the autoconfigure

# Little things



- No clear rules for when to raise CRL warning alarms
  - 7 days for 30 day CRLs
  - proportionality for others
- Should provide more frequent checks
  - CRL once an hour
  - EUGridPMA availability 15 minutes

# Possibilities



- Trends and performance could be public
- CRLs could be used in disaster recovery
- Administrators could receive e-mails
- Administrators could be give access
  - Authentication issue: can't rely on certs alone
- More general checks, especially If an example of a certificate were used
- Mail could be stored in a mailing list

# Problems



- Single point of failure
  - Can't find the Asia/Pacific instance
  - TAG PMA effort blocked by my slow responses to Vinod Rebello
  - But is now trivial to duplicate
- Duplication of service
  - Local checks, DavidG checks, grid federation checks etc. ... but this one is simple

# Questions?



SiGNET CA Monitor <http://signet-ca.ijs.si/nagios/>

Good moment to ponder CRL fail-over service