Nikhef Site Report

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9th Quattor Working Group Meeting,
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BiG *Grid*

the dutch e·science grid

Statistics

clusters	5
administrators	6
templates	479 objects (367 clones), 1743 total
compile time	58 s (laptop, java 1.6), 38 s (server, java 1.5), 31 s (server, java 1.6)
servers	1 server, 2 repo servers
configuration	SCDB 2.3.1 + local changes
compiler	Pan 8.2.8
Virtualization (Xen)	13 hosts, 48 guests
Monitoring (Nagios)	1 master, 3 slaves

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Compilation Times

Compile Time
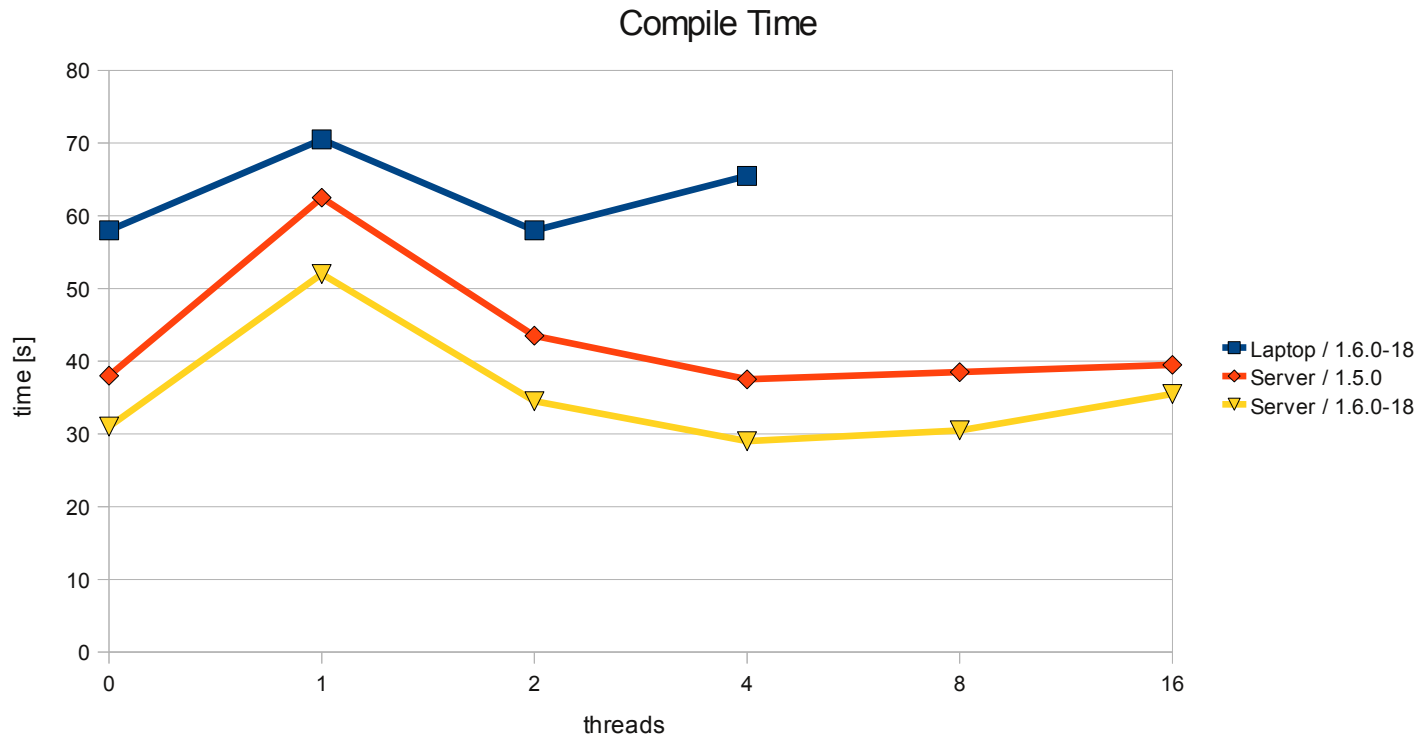
Compilation of 479 objects, 1743 templates, 5 clusters

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Developments

- Refactoring for easier usage
  - VO configuration, VOMS
  - Access control batch system, VO views
  - User banning
    - 1 ban list, 3 implementations (lcg-CE, DPM, WMS)
- Clean up
  - Unused distributions, middleware versions
  - Relocating OS-specific rpm managment in name space
- Nagios
  - Refreshed/extended grid monitoring (separate presentation)
- Virtualization
  - Short term: no integration with grid clusters
  - Investigate KVM?

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Issues & Outlook

- CentOS-5: nscd hangs after reconfiguration
    - Losing connection to LDAP server
    - nss_ldap culprit?
    - Work around: watchdog monitoring nscd

- Improve OS/kernel update management
- Running stable services....

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