



# NGS – INCA Monitoring

David Spence – University of Oxford

Shiv Kaushal – University of Leeds



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# NGS

## Why Monitor?

- Membership
- Management
- Operations
- Users

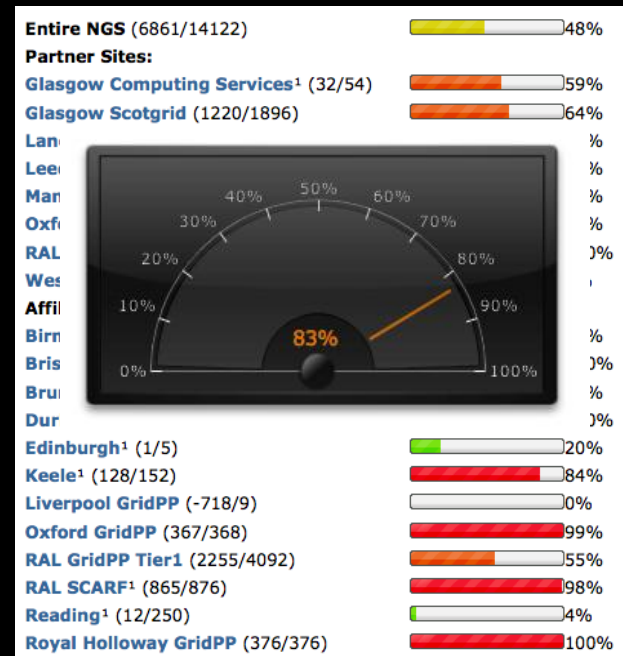
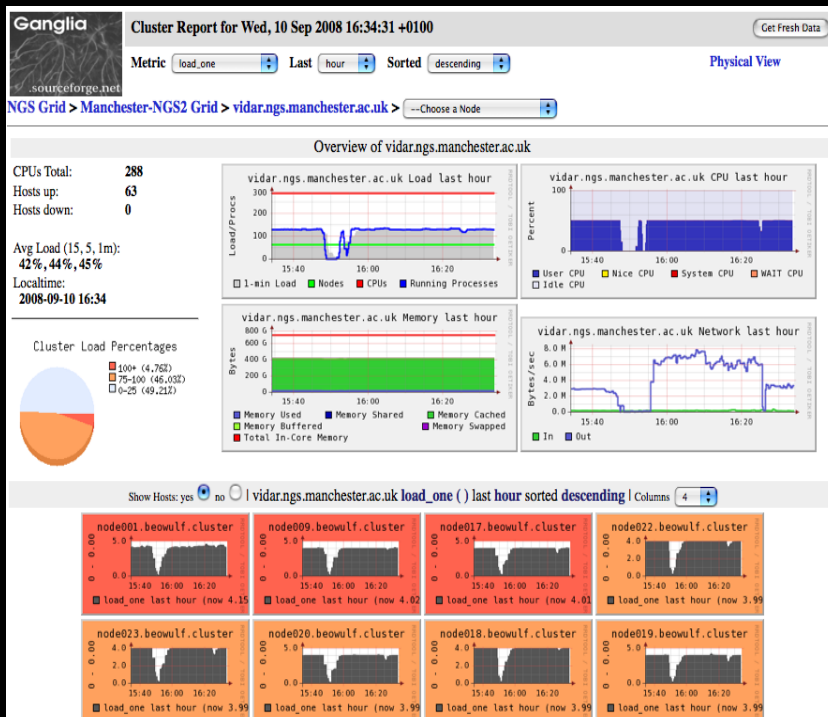


# NGS

# Other monitoring

- Ganglia
- <http://ganglia.ngs.rl.ac.uk/>

- Load Monitor
- <http://www.ngs.ac.uk/load-monitor>





## What is Inca?

- Produced by SDSC for Terragrid
- NGS uses version 2.0
- Features
  - Grid
  - Centralised
  - Reporters
  - User level



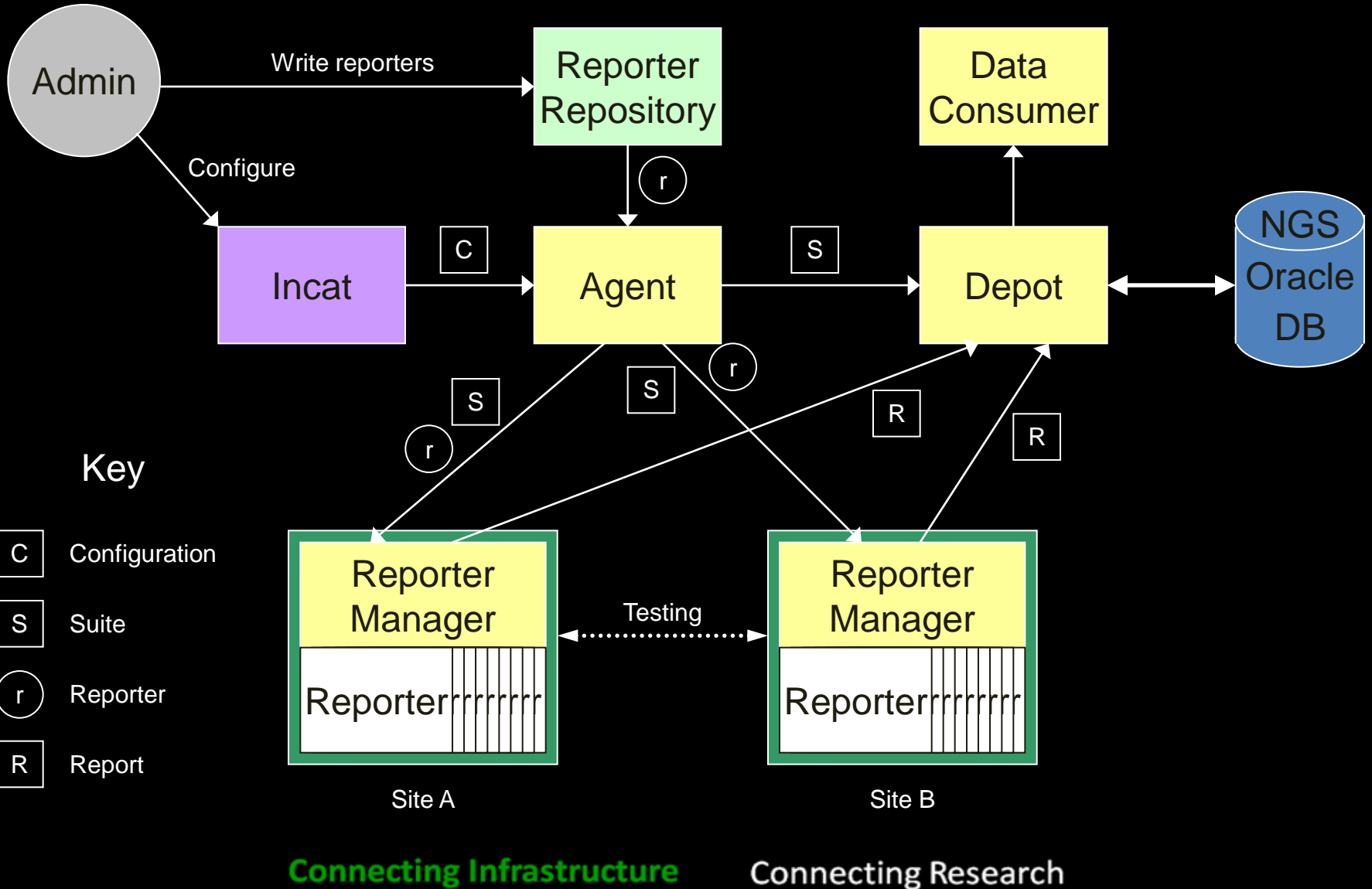


## Inca for the NGS

- Value based reporters
- Remote testing
- Custom display
- Historical views
- Management Reports
- Email notifications
- Configuration

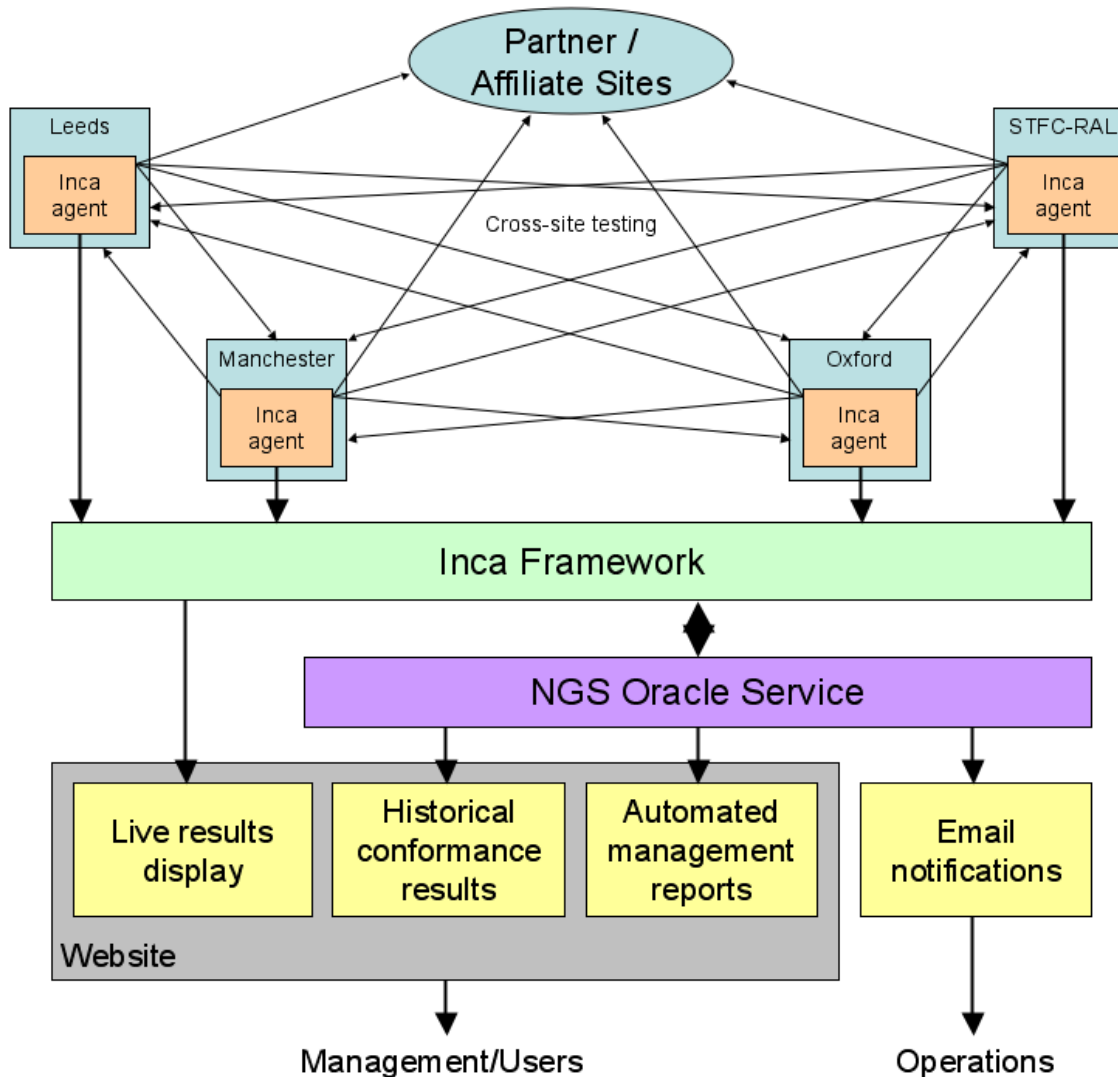


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## Basic Inca display



- Home
- Grid Tests
- Glue Tests
- Compilers
- SRB
- Usage Reporting
- Workload Management System
- Conformance
- Minimum Software Stack
- Management Reports
- Configuration

### Grid Tests

The table below displays the results of the *Grid Interoperability Tests* from the GITS test suite. Each box represents the same test performed once from each of the four core NGS sites. To view more details click on a result, site or test. If you wish to view the full list of test on one page, click [here](#)

This information is updated every 4 hours.

all passed	tests passed from all sites
n passed...	test passed from at least one site
n timeout...	list of timeouts and fails
all failed	tests failed from all sites
n/a	does not apply to resource
	missing (not yet executed)

Site	Job Manager	Batch Cancel	Batch Retrieve	GASS Cache	Globus Authentication	Grid FTP	GSI-SCP	GSI-SSH	Interactive	Interactive Shell
<a href="#">Birmingham GridPP</a>	Fork	all passed	all passed	all passed	all passed	all passed	n/a	n/a	all passed	all passed
	jobmanager-lcgpbs	all passed	all passed	all passed	all passed	all passed	n/a	n/a	1 passed, 1 timeout	n/a
<a href="#">Bristol</a>	Condor	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed	n/a
	Fork	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed
<a href="#">Brunel GridPP</a>	Fork	all passed	all passed	all passed	all passed	all passed	n/a	n/a	all passed	all passed
	jobmanager-lcgpbs	all passed	all passed	all passed	all passed	all passed	n/a	n/a	all passed	n/a
<a href="#">Cardiff (Windows)</a>	Condor	all failed	all failed	all failed	all passed	2 not executed	all failed	all failed	all failed	n/a
	Fork	all failed	all failed	all failed	all passed	all passed	all failed	all failed	all failed	all failed
<a href="#">Durham GridPP</a>	Fork	all passed	all passed	all passed	all passed	all passed	n/a	n/a	all passed	all passed
	jobmanager-lcgpbs	all passed	all passed	all passed	all passed	all passed	n/a	n/a	2 timeout	n/a
<a href="#">Edinburgh</a>	Fork	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed
	SGE	all passed	1 passed, 1 failed	all passed	all passed	all passed	all passed	all passed	all passed	n/a
<a href="#">Glasgow Computing Services</a>	Fork	n/a	n/a	n/a	n/a	all passed	all passed	all passed	n/a	n/a
	PBS	all passed	all failed	n/a	all passed	all passed	all passed	all passed	all passed	all failed
<a href="#">Glasgow Scotgrid</a>	Fork	2 timeout	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed
	jobmanager-lcgpbs	2 timeout	1 passed, 1 timeout	all passed	all passed	all passed	all passed	all passed	2 timeout	n/a
<a href="#">HECTOR</a>	Fork	all passed	all passed	all passed	all passed	all passed	n/a	n/a	all passed	all passed
	PBS	all passed	2 timeout	all passed	all passed	all passed	n/a	n/a	1 passed, 1 timeout	n/a
<a href="#">Keele</a>	Fork	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed
	SGE	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed
<a href="#">Lancaster</a>	Fork	1 passed, 1 timeout	all passed	all passed	1 passed, 1 timeout	all passed	all passed	all passed	1 passed, 1 timeout	all passed
	SGE	1 passed, 1 timeout	all passed	all passed	1 passed, 1 timeout	all passed	all passed	all passed	2 timeout	all passed
<a href="#">Leeds NGS2</a>	Fork	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed	all passed





# NGS

## Historical - Conformance



- [Home](#)
- [Grid Tests](#)
- [Glue Tests](#)
- [Compilers](#)
- [SRB](#)
- [Usage Reporting](#)
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- [Conformance](#)
- [Minimum Software Stack](#)
- [Management Reports](#)
- [Configuration](#)

- [Belfast](#)
- [Birmingham GridPP](#)
- [Bristol](#)
- [Brunel GridPP](#)
- [Cardiff \(Windows\)](#)
- [Durham GridPP](#)
- [Edinburgh](#)
- [Glasgow Computing Services](#)
- [Glasgow Scotgrid](#)
- [HECToR](#)
- [Keele](#)
- [Lancaster](#)
- [Leeds NGS2](#)
- [Liverpool GridPP](#)
- [Manchester GridPP 1](#)
- [Manchester GridPP 2](#)
- [Manchester NGS2](#)
- [Oxford Super Computing NGS](#)
- [NW-Grid Daresbury](#)
- [NW-GRID Lancaster](#)
- [NW-GRID Liverpool](#)
- [NW-Grid Manchester](#)
- [Oxford GridPP](#)
- [Oxford NGS2](#)
- [Queen Mary GridPP](#)
- [RAL GridPP Tier1](#)
- [RAL NGS2](#)
- [RAL SCARF](#)
- [Royal Holloway GridPP](#)
- [Reading](#)
- [Sanger Institute](#)
- [Sheffield Computing Services](#)
- [Southampton](#)
- [Westminster NGS2](#)
- [York](#)

### Conformance Results

Please click on a site name above to see the site's conformance tests results over the last week.

### Conformance Results for Reading (vicg2.rdg.ac.uk)

Test	Sub test	History (between 02/06/10 14:00 and 09/06/10 14:00)
BatchCancel	condor	[Green]
BatchCancel	fork	[Green]
BatchRetrieve	condor	[Green]
BatchRetrieve	fork	[Green]
GlobusAuth	condor	[Green]
GlobusAuth	fork	[Green]
Interactive	condor	[Green]
Interactive	fork	[Green]
InteractiveShell	fork	[Green]
GASSCache		[Green]
GSISSH		[Green]
GSIFTP		[Green]
GSISCP		[Green]
LocalGlue		[Green]
NGSGlue		[Green]
GlueRB		[Green]

<<< Week << Day < Hour      Calendar: 9 June 2010 14:00

Legend			
[Green]	All Passed	[Light Green]	Some Passed
[Red]	All Failed	[Yellow]	Not Executed - Previous Errors
[Blue]	All Timed Out	[Light Blue]	Some timeouts
[Grey]		[Black]	No Results
[Purple]		[Dark Grey]	Not Executed - Previous Errors or Inca Errors





# NGS

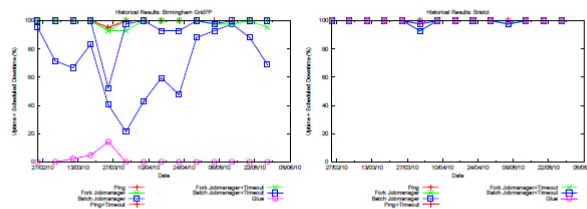
# Management Reports

## 5 Information Provider (Glue): Uptime Statistics for 21 May – 3 Jun and Previous Fortnight (7 May – 20 May)

Site	Information Provider (Glue)									
	7 May – 20 May					21 May – 3 Jun				
	OK	Fail	Time out	Inca Prob.	Sch. DT.	OK	Fail	Time out	Inca Prob.	Sch. DT.
Birmingham GrndPP	0%	98.8%	1.2%	0%	0%	0%	100%	0%	0%	0%
Bristol	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Brunel GridPP	0%	100%	0%	0%	0%	1.2%	98.8%	0%	0%	0%
Cardiff (Windows)	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Durham GridPP	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Edinburgh	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Glasgow Scotgrid	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%
Keele	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Lancaster	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%
Leeds NGS2	83.3%	0%	0%	0%	16.7%	100%	0%	0%	0%	0%
Manchester NGS2	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Oxford Super Computing NGS	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Oxford GridPP	91.7%	8.3%	0%	0%	0%	96.4%	3.6%	0%	0%	0%
Oxford NGS2	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Queen Mary GridPP	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
RAL GridPP Tier1	97.6%	2.4%	0%	0%	0%	100%	0%	0%	0%	0%
RAL NGS2	100%	0%	0%	0%	0%	96.4%	3.6%	0%	0%	0%
RAL SCARF	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Royal Holloway GridPP	94%	1.2%	0%	0%	4.8%	95.2%	4.8%	0%	0%	0%
Reading	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Westminster NGS2	100%	0%	0%	0%	0%	98.3%	1.2%	0%	0%	0%

## 6 Historical Graphs

These graphs are a record of the amount of time that the sites were up or in scheduled downtime. They are calculated in the same way as the tables above, but each point summaries one week. Thin lines represent  $(\text{uptime} + \text{scheduleddowntime}) / (\text{totaltime} - \text{incaprobtime})$ . Thick lines represent  $(\text{uptime} + \text{timeouts} + \text{scheduleddowntime}) / (\text{totaltime} - \text{incaprobtime})$ .





## What Next?

- EGEE Nagios system
- Simple Inca interface
- Nagios reporter



# NGS

<http://inca2.ngs.ac.uk/>

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