INCA

Framework for Automated Monitoring of Grid Systems
http://tech.teragrid.org/inca

TeraGrid™

INCA

Inca is a flexible framework for the automated testing, benchmarking and monitoring of Grid systems. It includes mechanisms to schedule the execution of information gathering scripts and to collect, archive, publish, and display data.

Originally developed for the TeraGrid project, Inca is a general framework which can be configured to meet the needs of specific Grids or Grid users.

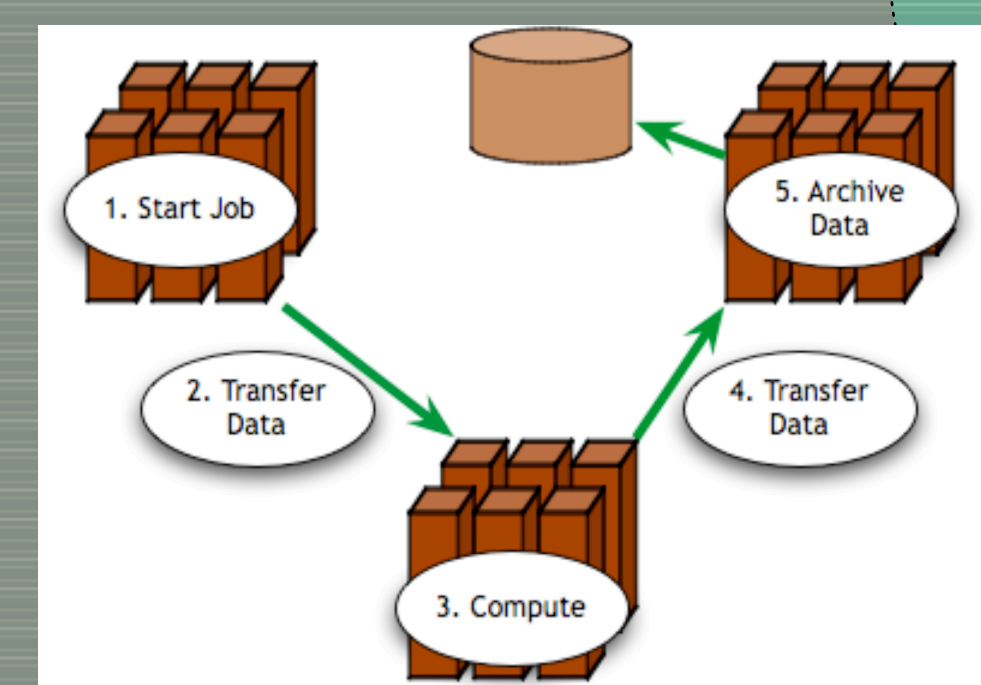Inca offers a diverse set of use cases including:

- Service Reliability
- Monitoring
- Benchmarking
- Site Interoperability Certification
- Software Stack Validation

IS THE GRID UP?

Can user X run application[s] Y on Grid[s] Z?
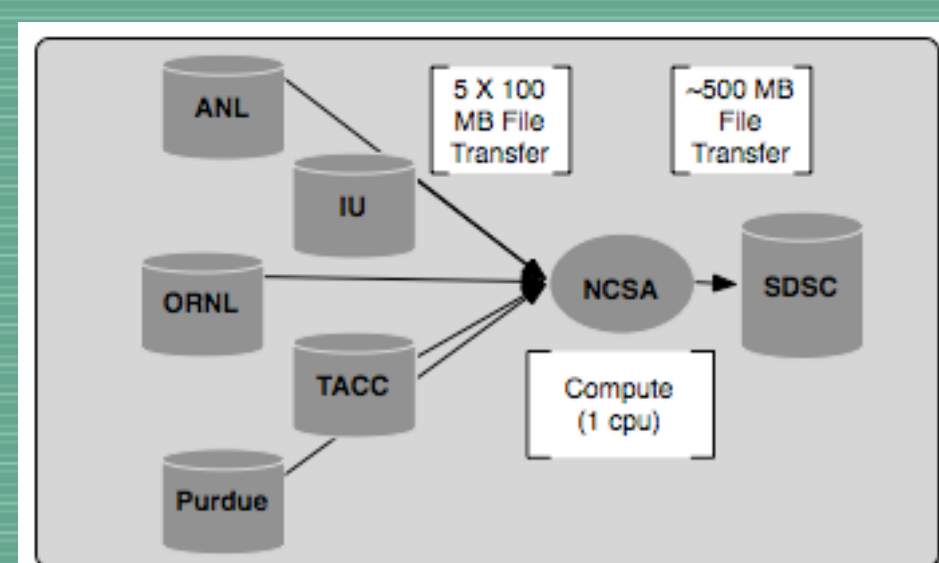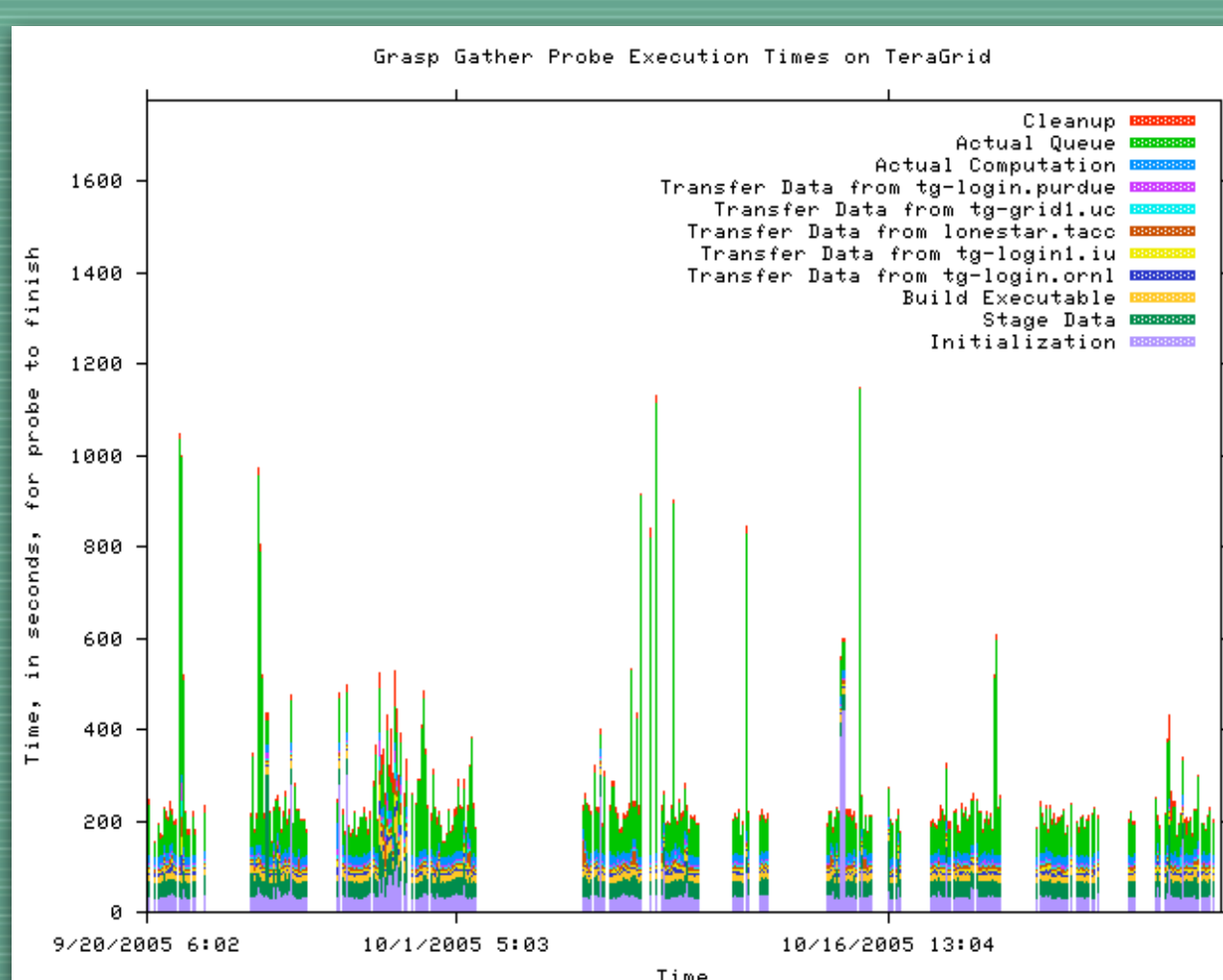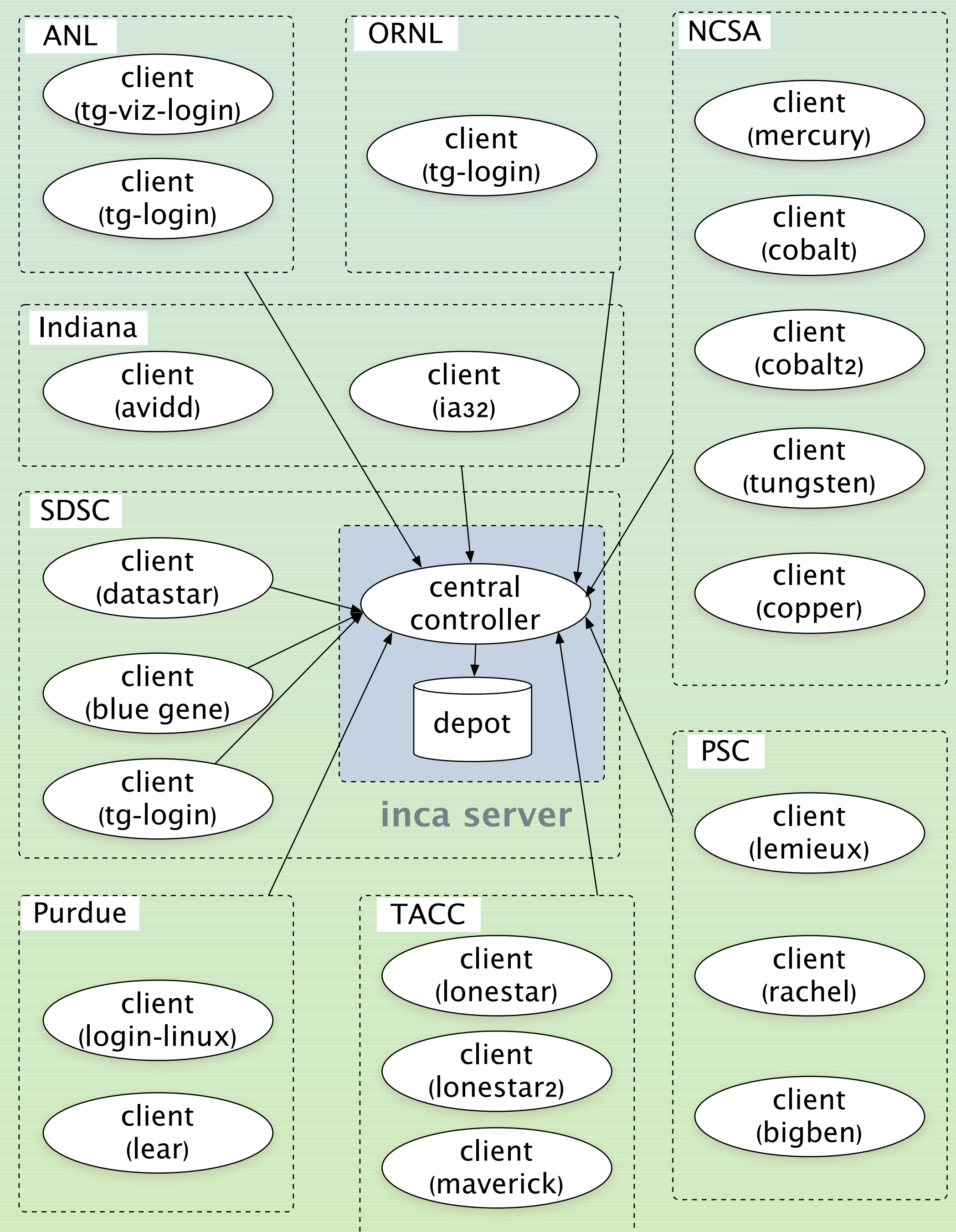Access dataset[s] N?

- Can user login?
- Are Grid services the application[s] use available? Compatible versions?
- Are dataset[s] N accessible to user X? Credentials?
...

Can be customized at view or display level text......

TERAGRID DEPLOYMENT

TeraGrid is currently using Inca to ensure the proper operation of the TeraGrid hosting environment on participating resources.

ANL
- client (tg-viz-login)
- client (tg-login)

ORNL
- client (tg-login)

NCSA
- client (mercury)
- client (cobalt)
- client (cobalt2)
- client (tungsten)
- client (copper)

Indiana
- client (avidd)
- client (ia32)

SDSC
- client (datastar)
- client (blue gene)
- client (tg-login)

central controller
depot
inca server

PSC
- client (lemieux)
- client (rachel)
- client (bigben)

Purdue
- client (login-linux)
- client (lear)

TACC
- client (lonestar)
- client (lonestar2)
- client (maverick)

TeraGrid 2006
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inca

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