



TeraGrid™

INCA

User-level Grid Functionality Testing & Performance Measurement

SDSC
SAN DIEGO SUPERCOMPUTER CENTER

Inca is a framework for the automated testing, benchmarking and monitoring of Grid resources

Inca provides:

- Scheduled execution of information gathering scripts (reporters)
- Data management
 - collection
 - archiving
 - publishing

Features

- Runs under a regular user account
- Flexibly expresses results
- Captures reporter execution context
- Securely re-runs reporters
- Archives full reports
- Reporters can be run outside framework
- Compares results to a specification
- Easily and securely configured
 - Data collection
 - Installation
- Profiles and logs reporter resource use

Inca Users

Grid/VO managers

- Verify Grid requirements are fulfilled by resource providers

System administrators

- Detect user level problems
- Get information to understand problem context

Grid users

- View results and compare to own
- Debug user account/environment issues
- Advanced users: feedback to Grid/VO

NEW Inca 2.0 release

- Full report archiving
- Flexible querying interface
- Improved installation and configuration control
- GUI tool for centralized administration
- Proxy management via MyProxy
- Reporter sharing via repositories
- Binary distribution
- Profile reporter system usage
- Inca components communicate using SSL

Inca 2.0 available summer 2006
prerelease available now

For more information and download of Inca, see
<http://inca.sdsc.edu>



SAN DIEGO SUPERCOMPUTER CENTER
Developing and Using Technology to Advance Science

University of California, San Diego • 9500 Gilman Drive, La Jolla CA 92093-0505
858-534-5000 • www.sdsc.edu • info@sdsc.edu