

**GSA-1: From Cluster to Grid –
Building a User-Friendly Grid-enabled Cluster
6 September 2006, 0900 – 1200 hours**

Objective of Course:

To provide training on setting up a Beowulf cluster using Rocks and grid-enabling it with Globus Toolkit, and how it can be integrated into NGPP.

Course Outline:

- Building a Beowulf Cluster
 - Introduction to High Performance Computing and Beowulf Clusters
 - Introduction to Rocks
 - Demo of Rocks installation
 - Building a Cluster - Practical considerations
 - Using Rocks for Cluster Computing
- Grid-enabling Rocks Cluster
 - Introduction to Grid Computing with Globus Toolkit
 - Grid enabling a Rocks Cluster with Globus Toolkit - Grid ROLL
 - Integrating a Rocks cluster into NGPP
 - Running Grid jobs with Globus Toolkit in NGPP

Audience: Users and System Administrators

Instruction Type: Workshop

Pre-requisites for this workshop:

- a) Must have attended Course C1:Introduction to Grid Computing & NGPP, or
- b) Have relevant experience in the area covered by the course. The applicant will be required to describe his relevant experience(s), which will be accessed by the NGCC team and will be handled on a case by case basis.
- c) Must bring along a laptop with a minimum configuration of a Pentium III and 512MB RAM.

No Show Fee: A charge of \$50 will be levied if the attendee does not turn up for the course, or cancels his application for the course within 24 hours from the start time.

This is a FREE course and registration is on a first-come-first-served basis as seats are limited.

Date : 6 September 2006
Time : 0900 to 1200 hours
Venue : The Big One, 21 Heng Mui Keng Terrace, Singapore 119613

Please register at <http://webapp.ngp.org.sg/18C06092006/> or email at vasu@ngp.org.sg