

**Introduction to Globus Toolkit 4
22 September 2005 (Thursday)**

Course Description:

This course provides an overview of the Globus Toolkit (GT4). The Globus Toolkit is the flagship product of the Globus Alliance, which produces open source middleware used in building grids around the world.

This course provides an overview of GT4 components, related tools and their use. It will also cover the new components in GT4.

Audience: Developers, System Administrators and Grid Practitioners interested in GT4

Instruction Type: Lecture

Instructors:

- Lisa Childers, Argonne National Laboratory
- Charles Bacon, Argonne National Laboratory

Pre-requisites for this workshop:

1. Basic knowledge of Web Services and Grid computing

Date : 22 September 2004
Time : 0900 to 1230 hours
Venue : The Big One, 21 Heng Mui Keng Terrace, Singapore 119613

Registration:

To register, fill up the attached registration form and fax to 6872-1361, or email the information required to vasu@ngp.org.sg. Registration is on a first-come-first-served basis.

**How to Build a Service Using GT4
23 September 2005 (Friday)**

Course Description

This full-day tutorial is designed to teach developers how to build a Java Service using version 4 of the Globus Toolkit (GT4). The Globus Toolkit is the flagship product of the Globus Alliance, which produces open source middleware used in building grids around the world.

The tutorial is organized as a series of hands-on exercises in which students add increasing functionality to a skeletal service implementation. Fundamental patterns and interactions of Grid computing are highlighted. The course is geared toward developers who want to learn about the newest work of the Globus Alliance and how to apply fundamental concepts in Grid computing.

Audience: Developers, System Administrators and Grid Practitioners interested in GT4

Instruction Type: Hands-on workshop

Instructors:

- Lisa Childers, Argonne National Laboratory
- Charles Bacon, Argonne National Laboratory

Pre-requisites for this workshop:

1. Basic knowledge of Web Services and Grid computing
2. Knowledge of java, XML and WSDL
3. Laptop configuration:
 - [jakarta ant 1.5 or 1.6](http://ant.apache.org/) (<http://ant.apache.org/>)
 - [jdk 1.4.2](http://java.sun.com/j2se/1.4.2/index.jsp) (<http://java.sun.com/j2se/1.4.2/index.jsp>)
 - 802.11b wireless capability required
 - NTP synchronization with server of choice
 - VMware emulation not supported
 - Cygwin not supported
 - Firewall software must be disabled
 - Windows ME/95/98 is not supported. Regarding other OSes: if you can run the jdk and ant, you should be ok
 - A GT-specific distribution: [to be made available the day of the tutorial]
 - A software bundle containing tutorial-specific course material: [to be made available the day of the tutorial]

Optional:

- An editor that highlights Java and XML files, such as [JEdit](#).
- You also may find that [Adobe Reader](#) will come in handy.

Tutorial participants must bring their own network-enabled laptops pre-loaded with set of open-source software listed above. There will be no support available to debug problems with attendee laptops. Attendees must be able to run all the software listed in the prerequisites in order to participate in the tutorial. It is the attendees' responsibility to ensure that their networking, ant and jdk are configured and working properly prior to the tutorial. The integrity of ant/jdk installations can be verified by building this sample code: [Linux version](http://www-unix.mcs.anl.gov/~bacon/BAGS4/sample.tar.gz) (<http://www-unix.mcs.anl.gov/~bacon/BAGS4/sample.tar.gz>) or [MS Windows version](http://www-unix.mcs.anl.gov/~bacon/BAGS4/sample.zip) (<http://www-unix.mcs.anl.gov/~bacon/BAGS4/sample.zip>).

Date : 23 September 2004
Time : 0900 to 1700 hours
Venue : The Big One, 21 Heng Mui Keng Terrace, Singapore 119613

Registration:

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Biodata of the Instructors

Lisa Childers, Argonne National Laboratory



Lisa Childers has been a member of the Globus Alliance since 2002, where her responsibilities as the Technical Product Manager for the Globus Toolkit include overall coordination of toolkit development, as well as community outreach activities. In addition to regularly delivering presentations on the Globus Toolkit, Childers serves as a spokesperson for the Globus Alliance in her capacity as a Globus Alliance Board Member.

Before joining the Globus Alliance, Childers worked for several years in the Futures Laboratory of Argonne National Lab, where she was an original developer of the Access Grid, a wide-area, group-to-group collaboration technology. She began her career in the computer industry, where she worked for many years as a software engineer for the statistical software company SPSS, Inc.

Childers is currently a staff member of the Mathematics and Computer Science Division of Argonne National Lab, and holds a joint appointment at the University of Chicago's Computation Institute.

Charles Bacon, Argonne National Laboratory

Charles Bacon has delivered numerous tutorials worldwide on the Globus Toolkit, including IEEE's SuperComputing conferences, the Global Grid Forum, and Globusworld conferences. He is a co-author of several toolkit guides and tutorials, and is an active participant in Globus community forums. Bacon serves as the Technology Coordinator for Packaging for the Globus Toolkit, and is the lead developer for matters relating to GT Administration. He is a staff member of the University of Chicago and a member of the Distributed Systems Laboratory in the Mathematics and Computer Science Division of Argonne National Lab.

Course Registration Form

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 22 September 2005, 0900 - 1230 hours**

**How to Build a Service using GT4
 23 September 2005, 0900 - 1700 hours**

Venue: The Big One, 21 Heng Mui Keng Terrace, Singapore 119613

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Name (Dr/Mr/Ms)	Designation
Organisation	
Organisation Address	
Contact Number	Fax Number
Email Address	
Sign me up! <input type="checkbox"/> Only "Introduction to GT4" at S\$75 (excluding GST) <input type="checkbox"/> Only "How to Build a Service Using GT4" at \$250 (excluding GST) <input type="checkbox"/> Both "Introduction to GT4" and "How to Build a Service Using GT4" at \$300 (excluding GST)	
Send invoice to the following at the above address:	
Name	