Globus Developments

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for OMII SC
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What’s This About a Globus Company?

- Univa was announced December 13, 2004
  - http://www.univa.com
- Steve Tuecke is CEO
- Carl Kesselman and Ian Foster are in advisory role
  - Remain at USC/ISI and Argonne
- Basic concept: “Redhat Linux for Globus”

- This will NOT affect the GT open source policy
  - On the contrary, Univa is already contributing resources to open source software
- This WILL allow greater industrial involvement and investment in Grids
Current Release Schedule

In order to allow more time for performance, stability and other usability improvements, the Globus Alliance is extending the GT4 testing cycle.

- **17 December 2004**
  - GT4 Alpha development release (3.9.4)
  - full set of core GT components
  - significant performance and usability improvements

- **31 January 2005**
  - GT4 Alpha development release (3.9.5)

- **March 2005**
  - GT4 Beta development release (3.9.6)
  - to contain the final set of public interfaces for 4.0

- **April 2005**
  - GT 4.0 Final
Contributions to Apache

- All Globus software under an Apache-like licence
- Contributed over past 2 years
  - Many bug fixes and extensions to Axis & Tomcat, etc
    > E.g. WS-Addressing & WS-Security
  - Several GA developers on repository commit team
- Two new core WS Apache Incubator projects
  - Apollo – the WSRF code
    > Java, C & Perl
  - Hermes – the WS-Notification code
- Test process with these before contributing more
How to Get Involved

Become a GT4 Friend!

- Open group of people from various organizations working with GT4 pre-release code and documents
  - Reporting problems in code and documents
  - Contributing ideas, tests, documentation
  - Building GT4-enabled applications
- Weekly telephone calls
- Discussion list
  - To subscribe to the GT4 friends list, send an email to majordomo@globus.org which contains the words “subscribe gt4-friends” in the message body

Significant input from Terry Harmer and his UK ETF evaluation team
GT Release History

- **CAS**
- **OGSA-DAI** [Tech Preview]
- **WS Authentication Authorization**
- **Reliable File Transfer (RFT)**
- **GridFTP**
- **Pre-WS Authentication Authorization**
- **Grid Resource Allocation Mgmt (Pre-WS GRAM)**
- **Replica Location Service (RLS)**
- ** Credential Management**

**Security**
**Data Management**
**Execution Management**
**Information Services**
**Common Runtime**

- **Community Scheduler Framework [contribution]**
- **Monitoring & Discovery System (MDS4)**
- **Monitoring & Discovery System (MDS2)**
- **Wireless Connectivity**
- **Java WS Core**
- **C WS Core**
- **C Common Libraries**
- **XIO**

Non-WS Components

Web Services Components
Questions & Comments
Java Services in Apache Axis
Plus GT Libraries and Handlers

Your Java Service
Your C Service
Your Python Service

Interoperable WS-I-compliant SOAP messaging

X.509 credentials = common authentication

Your Java Client
Your C Client
Your Python Client

SERVER

Java Services in Apache Axis
Plus GT Libraries and Handlers

Python hosting, GT Libraries

C Services using GT Libraries and Handlers

CLIENT

Your Java Client
Your C Client
Your Python Client

Your Java Client
Your C Client
Your Python Client

pyGlobus WS Core
C WS Core

GridFTP
SimpleCA
MyProxy
RLS
Pre-WS GRAM
Pre-WS MDS

your java client
your c client
your python client

your java client
your c client
your python client

gram
rfi
delegation
index
trigger
archiver
cas
ogsa-dai

gtcp

your java service
your c service
your python service

your java client
your c client
your python client

java services in apache axis
plus gt libraries and handlers

python hosting, gt libraries

C services using GT Libraries and Handlers

x.509 credentials = common authentication

 interoperable ws-i-compliant soap messaging

your java service
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