# Project3 (Index Service)

April20,2005

#### Instruction Sheet

Setting up the sample MemoryMonitorService that demonstrates the usage of Service Data

# Download example code

# Download the example code from

http://www.cse.buffalo.edu/~mhvora/4587/samples/memory.tar

OR

/projects/Spring\_2005/cse587/mhvora/public/globus/memory.tar (zip versions also available at the same locations)

## Untar example code into the tutorial directory

Copy the tar file into the tutorial directory and untar the contents from there. The tutorial contains the following:

- MemoryMonitorService(package org.globus.<username>\_progtutorial.services.memory.impl)
- FetchMemoryStats (package org.globus.<username>\_progtutorial.clients.memory)
- MemoryMonitor.gwsdl (located in the schema/<username>\_progtutorial/MemoryMonitorService directory)
- MemorySDE.xsd (located in the schema/<username>\_progtutorial/MemoryMonitorService directory)
- changeMemory.sh

## Execute the changeMemory.sh customization script

This script moves the service implementation files, client file and schema files to appropriate directory (i.e. the directories prefixed with your username). It also modifies the files to change package names, etc.

### Modify namespace2package.mappings file

You should be able to figure out the three standard lines to add to the namespace2package.mappings file by now. In addition to these, you need to add in a 4<sup>th</sup> line due to the presence of Service Data Elements in this service

http\://www.globus.org/namespaces/memory/MemoryMonitorService/MemorySDE=org.globus.<br/><username>\_progtutorial.stubs.MemoryMonitorService.servicedata

Remember not to let any line breaks be present in this and the other three lines

**Build the service** 

Deploy .gar

Start the container

source \$GLOBUS LOCATION/setenv.csh

### Compile and execute client

### Compile the client by using:

javac org/globus/<username>\_progtutorial/clients/memory/MemoryMonitorService.java

### Execute it by using:

java org/globus/<username>\_progtutorial/clients/memory/FetchMemoryStats
http://localhost:XXXXX/ogsa/services/memory/MemoryMonitorService