



Enabling Grids for E-scienceE

Configuring new services in GENIUS

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Retreat between GILDA and ESR VO on gLite

Bratislava, 27-30.06.2005

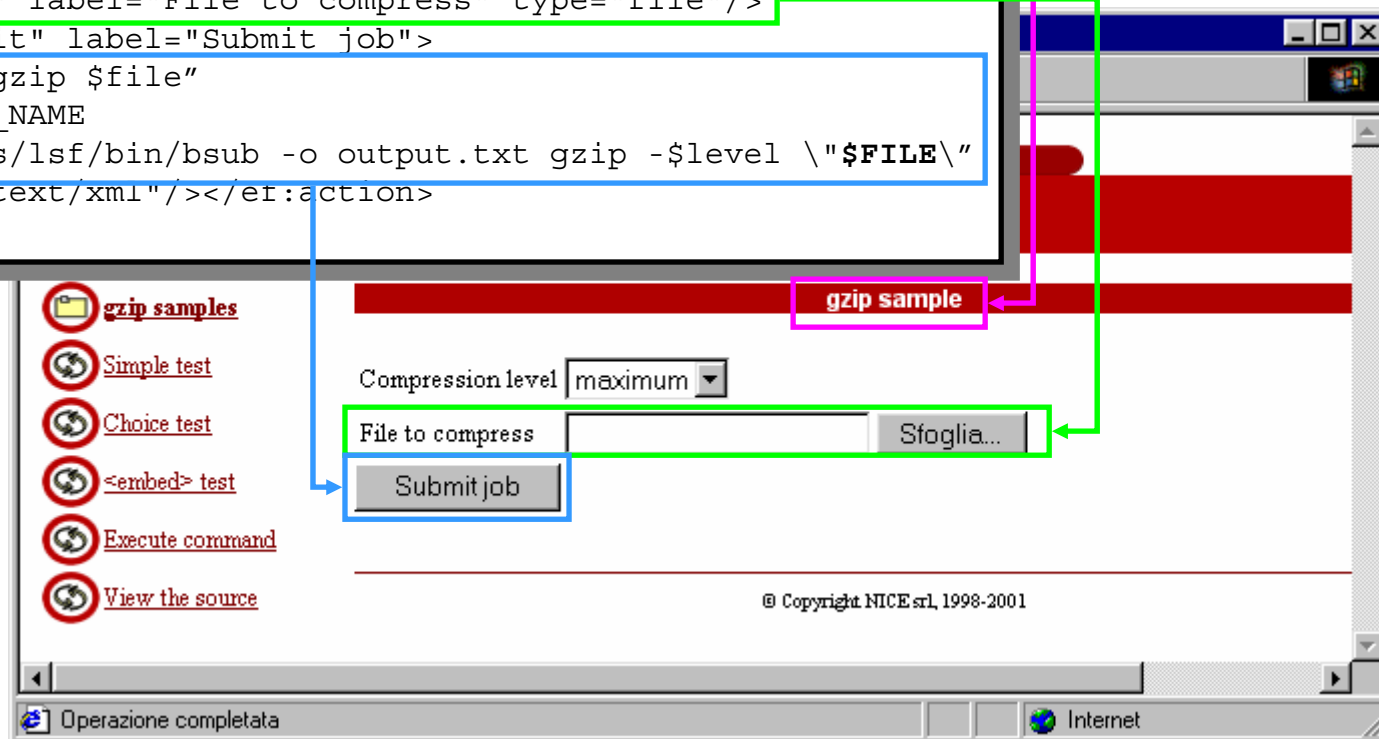
www.eu-egee.org



```

<ef:service id="gzip">
  <ef:name>gzip sample</ef:name>
  <ef:option id="level" label="Compression level" type="list">
    <ef:option id="9">maximum</ef:option>
    <ef:option id="4">medium</ef:option>
    <ef:option id="0">none</ef:option>
  </ef:option>
  <ef:option id="FILE" label="File to compress" type="file"/>
  <ef:action id="submit" label="Submit job">
    EF_SPOOLER_NAME="gzip $file"
    export EF_SPOOLER_NAME
    ${EF_ROOT}/plugins/lsf/bin/bsub -o output.txt gzip -$level \"$FILE\"
  <ef:result type="text/xml"/></ef:action>
</ef:service>

```



```
<ef:service id="test-service-1" authority="globus">
  <ef:name>Test Service 1</ef:name>
  <ef:action id="submit" label="Test Service 1">
    /usr/bin/env
  <ef:result type="text/plain"/>
</ef:action>
</ef:service>
```

RB: gilda	VO: gilda	Catalog: GILDA	Your Data	Logout
<pre>MANPATH=/home/larocca/man:/usr/sue/man:/usr/local/man:/cern/man:/opt/alice/aliroot/4.01.00/man NNTPSERVER=news.cern.ch HOSTNAME=g-lite-tutor.ct.infn.it HPX_TTY= TERM=xterm SHELL=/bin/bash GRID_PROXY_FILE=/tmp/x509up_u512 HOST=g-lite-tutor.ct.infn.it EF_AGENT=gilda.grid CURRENT_PATH=/opt/genius/apache/htdocs/gilda/ HISTSIZE=1000 CATALINA_HOME=/var/lib/tomcat5 SAVEHIST=500 GLOBUS_LOCATION=/opt/globus ALICE_TARGET=Linux PERL5LIB=/opt/g-lite/lib/perl5:/opt/gpt/lib/perl HPX_OS_MINOR=4 YP=NO OLDPWD=/home/Larocca USERPATH=/home/larocca/bin:/home/larocca/scripts:/usr/sue/bin:/usr/local/bin:/usr/local/bin/X11:/usr/bin:/bin:/usr/bin/X11:/cern/pro/bin X509_CERT_DIR=/etc/grid-security/certificates GLITE_WMS_LOCATION=/opt/g-lite OS=Linux HPX_INITIALE=1 GLITE_LOCATION_USER=/home/larocca/.g-lite HPX_CELL=cern.ch GLITE_LOCATION_LOG=/var/log/g-lite PRINT_CMD=>xprint REQUEST_URL=https://g-lite-tutor.ct.infn.it/gilda/gilda.grid.xml **** 1-****</pre>				

```

<ef:service id="test-service-2" authority="globus">
  <ef:name>Test Service 2</ef:name>
  <ef:action id="submit" label="Test Service 2">
    $EF_ROOT/plugins/infngrid/bin/gilda/gildagrid.sh
    test-service-2
  <ef:result type="text/html"/>
</ef:action>
</ef:service>

```

```
test_service_2 ()  
{  
  echo "<html><body>"  
  echo "Hello World!"  
  echo "</body></html>"  
}
```

```

<ef:service id="test-service-4" authority="globus">
  <ef:name>Test Service 4</ef:name>
  <ef:info> Please, select a name for the following list, and
  than click on the button.<br/> </ef:info>
  <ef:option id="GILDA_NAME" label="Choose your First
  Name" type="list">
    <ef:option id="XX">XXYYZZ</ef:option>
  </ef:option>
  <ef:action id="submit" label="Test Service 4">
    $EF_ROOT/plugins/infnggrid/bin/gilda/gildagrid.sh test-
    service-4
  <ef:result type="text/html"/>
</ef:action>
</ef:service>

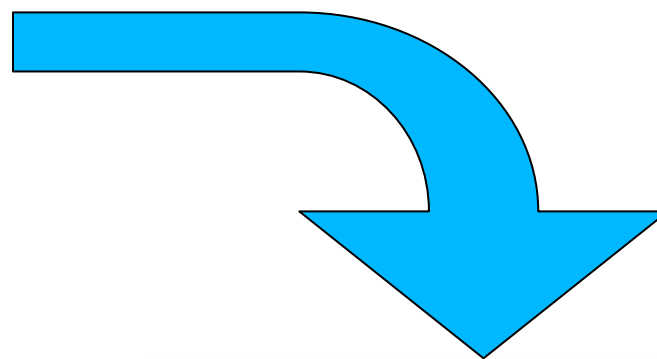
```

```
test_service_4 ()  
{  
  echo "<html><body><pre>"  
  echo "<img src=\""/images/glite_side.jpg\"/><br/>"  
  echo "Hello ${GILDA_NAME} and welcome to the  
  <H4>gLite Tutorial on GILDA.</H4>  
  echo "Catania, 13th-15th, June 2005"  
  echo "</pre></body></html>"  
}
```

Please, select a name for the following list, and then click on the button.

Choose your First Name

- Marco Fargetta
- Kostas Koumantaros
- Ruediger Berlich
- Fabrizio Messina
- David Fergusson
- Barbara Martelli
- Elisabetta Vilucchi
- Riccardo Murri
- Victor Mendoza
- Yubiryn Ramirez
- Marc Lob
- Simone Campana
- Patrica Mendez Lorenzo
- Stephan Kinderman
- Silvio Pardi
- Angelo Leto
- Dora Magaudda
- Angelo Zaia
- Giuseppe Iellamo
- Marco Scarpa



Hello Marco F. and welcome to the
gLite Tutorial on GILDA.

Catania, 13th-15th, June 2005


```

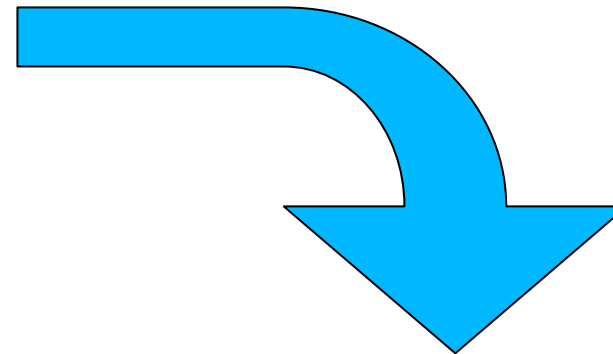
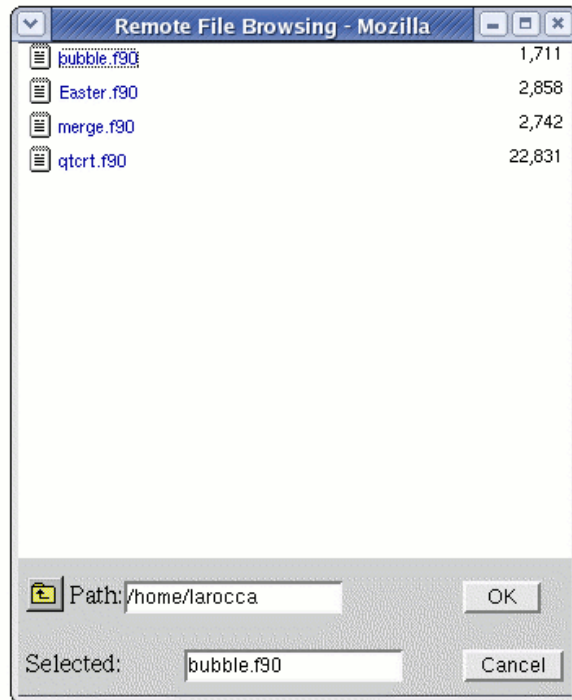
<ef:service id="test-service-5" authority="globus">
  <ef:name>Test Service 5</ef:name>
  <ef:info>    Please, select a Fortran file to compile
and than click on Compile.<br/>
</ef:info>
  <ef:option id="COMPILEFILE" label="Choose your
File Name" type="rfb" target="*.f90@infngrid"/>
  <ef:action id="submit" label="Compile">
$EF_ROOT/plugins/infngrid/bin/gilda/gildagrid.sh test-
service-5
  <ef:result type="text/plain"/>
</ef:action>
</ef:service>

```

```
test_service_5 ()  
{  
    echo "Compiling the following file...${COMPILEFILE}"  
    FILEOBJECT=`echo ${COMPILEFILE} | awk -F'.' '{print  
    $1}`  
    /usr/bin/g95 -o ${FILEOBJECT} ${COMPILEFILE}  
    chmod 777 ${FILEOBJECT}  
    echo "..Execution of the file."  
    exec ${FILEOBJECT}  
}
```

Please, select a Fortran file to compile and then click on Compile.

Choose your File Name



Compiling the following file... /home/larocca/bubble.f90
 ..Execution of the file.

Initial table A:

```
7  3  66  3  -5  22  -77  2  36  -12
```

Sorted table A:

```
-77 -12 -5  2  3  3  7  22  36  66
```