

EGI Grid

Práctica 1

El objetivo de esta práctica es tomar contacto con el uso de recursos de computación grid en la VO `tut.vo.ibergrid.eu`. Recuerde que estos comandos han de ejecutarse desde el frontend `ui.macc.unican.es`.

Generamos un proxy válido para operar en la VO `tut.vo.ibergrid.eu`:

```
[user@ui ~]$ voms-proxy-init -voms tut.vo.ibergrid.eu
```

- Para obtener información del proxy generado ejecute :

```
[user@ui ~]$ voms-proxy-info -all
```

- Listamos los recursos computación para ejecutar jobs (Computing Element) :

```
[user@ui ~]$ lcg-infosites --vo tut.vo.ibergrid.eu ce
```

- Listamos los recursos de computación de almacenamiento (Storage Element) :

```
[user@ui ~]$ lcg-infosites --vo tut.vo.ibergrid.eu se
```

- Una vez listados los recursos, enviaremos un job a uno de los CE listados. Creamos las plantillas necesarias para ejecutar el job :

```
[user@ui ~]$ cat > hello.jdl << EOF
Executable = "hello.sh" ;
CpuNumber = 1;
StdOutput = "stdout.txt";
StdError = "stderr.txt";
InputSandbox = {"hello.sh"};
OutputSandbox = {"stdout.txt", "stderr.txt"};
Requirements = other.GlueCEUniqueID == "ce.ceta-ciemat.es:8443/cream-sge-ibtut.cg";
EOF
[user@ui ~]$ cat > hello.sh << EOF
#!/bin/sh
echo "Hello World - from $HOSTNAME"
echo -n "It's "
date
EOF
```

- Enviamos el job :

```
[user@ui ~]$ glite-wms-job-submit -a -o jobid.txt hello.jdl
```

- Comprobamos el estado del job :

```
[user@ui ~]$ glite-wms-job-status -i jobid.txt
```

Una vez el estado del job es Done.

```
[user@ui ~]$ glite-wms-job-output -i jobid.txt --dir .
```

```
[carlos@ui ~]$ glite-wms-job- https://wms01.ific.uv.es:9000/_u_QD5zc1Ss78keGp0dgnw
```

```

glite-wms-job-cancel          glite-wms-job-list-match    glite-wms-job-perusal
glite-wms-job-delegate-proxy glite-wms-job-logging-info  glite-wms-job-status
glite-wms-job-info          glite-wms-job-output        glite-wms-job-submit
[carlos@ui ~]$ glite-wms-job-output https://wms01.ific.uv.es:9000/_u_QD5zc1Ss78keGp0dqnw

Error - Configuration Error
Output Storage pathname doesn't exist (check the configuration file): /tmp/jobOutput

[carlos@ui ~]$ glite-wms-job-output --help

WMS User Interface version 3.5.3
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Usage: glite-wms-job-output [options] <job Id(s)>

options:
  --help
  --version

  --input, -i    <file_path>
  --dir          <directory_path>
  --proto        <protocol>
  --config, -c   <file_path>
  --vo           <vo_name>
  --list-only
  --nosubdir
  --noint
  --nopurge, -n
  --json
  --pretty-print
  --debug
  --logfile      <file_path>

Please report any bug at:
  alvise.dorigo@pd.infn.it
[carlos@ui ~]$ glite-wms-job-output https://wms01.ific.uv.es:9000/_u_QD5zc1Ss78keGp0dqnw --dir=$HOME

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Usage: glite-wms-job-output [options] <job Id(s)>

options:
  --help
  --version

  --input, -i    <file_path>
  --dir          <directory_path>
  --proto        <protocol>
  --config, -c   <file_path>
  --vo           <vo_name>
  --list-only
  --nosubdir
  --noint
  --nopurge, -n
  --json
  --pretty-print
  --debug
  --logfile      <file_path>

Please report any bug at:

```

```

alvise.dorigo@pd.infn.it
[carlos@ui ~]$ glite-wms-job-output https://wms01.ific.uv.es:9000/_u_QD5zclSs78keGp0dqmw --dir $HOME

```

```

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```

```

Usage: glite-wms-job-output [options] <job Id(s)>

```

```

options:

```

```

--help
--version

--input, -i    <file_path>
--dir          <directory_path>
--proto       <protocol>
--config, -c  <file_path>
--vo         <vo_name>
--list-only
--nosubdir
--noint
--nopurge, -n
--json
--pretty-print
--debug
--logfile     <file_path>

```

```

Please report any bug at:

```

```

alvise.dorigo@pd.infn.it

```

```

[carlos@ui ~]$ glite-wms-job-output https://wms01.ific.uv.es:9000/_u_QD5zclSs78keGp0dqmw --dir .

```

```

WMS User Interface version 3.5.3
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```

```

Usage: glite-wms-job-output [options] <job Id(s)>

```

```

options:

```

```

--help
--version

--input, -i    <file_path>
--dir          <directory_path>
--proto       <protocol>
--config, -c  <file_path>
--vo         <vo_name>
--list-only
--nosubdir
--noint
--nopurge, -n
--json
--pretty-print
--debug
--logfile     <file_path>

```

```

Please report any bug at:

```

```

alvise.dorigo@pd.infn.it

```

```

[carlos@ui ~]$ glite-wms-job-output --dir . https://wms01.ific.uv.es:9000/_u_QD5zclSs78keGp0dqmw

```

```

Connecting to the service https://wms01.ific.uv.es:7443/glite_wms_wmproxy_server

```

```

=====

```

```
JOB GET OUTPUT OUTCOME
```

```
Output sandbox files for the job:
```

```
https://wms01.ific.uv.es:9000/_u_QD5zc1Ss78keGp0dqnw
```

```
have been successfully retrieved and stored in the directory:
```

```
/oceano/gmeteo/users/carlos/carlos__u_QD5zc1Ss78keGp0dqnw
```

```
=====
```

```
[carlos@ui ~]$ ls /oceano/gmeteo/users/carlos/carlos__u_QD5zc1Ss78keGp0dqnw
```

```
stderr.txt  stdout.txt
```

```
[carlos@ui ~]$ cat /oceano/gmeteo/users/carlos/carlos__u_QD5zc1Ss78keGp0dqnw/stdout.txt
```

```
Hello World - from da-p8-04
```

```
It's Tue Mar 22 19:19:39 CET 2016
```