

Grid Training for Power Users Institute of Physics Belgrade

Hands on Session: Job Collection Submission

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- Job collection description
- JDL of a job collection
- Job collection folder
- Hands On example
- Links

- A set of independent jobs
- Can be managed as a single unit
 - Belong to the same experiment
 - Share common input files
 - Optimize network traffic
- Sharing of sandboxes
- Two ways to define job collection
 - Single JDL file or directory with JDL files

Type = "Collection";

InputSandbox = ("fileA");

Requirements = RegExp("ce64.ipb.ac.rs*",other.GlueCEUniqueID);

nodes = {

[

 JobType = "normal";

 Executable = "/bin/hostname";

 Arguments = "-i";

 StdOutput = "out";

 InputSandbox = {root.InputSandbox, "fileB"};

 StdError = "err";

 OutputSandbox = {"out", "err"};

],

[

 JobType = "Normal";

 Executable = "/bin/date";

 StdOutput = "date";

 StdError = "err";

 OutputSandbox = {"date"};

]

};

```
[ngrkic@ui jdlcollection]$ ls jdlcollection
total 380
4 drwxrwxr-x 2 ngrkic ngrkic 4096 Oct 4 2011 .
4 drwxrwxr-x 15 ngrkic ngrkic 4096 May 26 13:06 ..
4 -rw-rw-r-- 1 ngrkic ngrkic 115 Oct 4 2011 job100.jdl
4 -rw-rw-r-- 1 ngrkic ngrkic 115 Oct 4 2011 job10.jdl
4 -rw-rw-r-- 1 ngrkic ngrkic 115 Oct 4 2011 job11.jdl
4 -rw-rw-r-- 1 ngrkic ngrkic 115 Oct 4 2011 job12.jdl
4 -rw-rw-r-- 1 ngrkic ngrkic 115 Oct 4 2011 job13.jdl
4 -rw-rw-r-- 1 ngrkic ngrkic 115 Oct 4 2011 job14.jdl
4 -rw-rw-r-- 1 ngrkic ngrkic 115 Oct 4 2011 job15.jdl
...
...
...
[ngrkic@ui ]$ glite-wms-job-submit -a --collection jdlcollection
```

- Navigate to following address:
 - http://wiki.ipb.ac.rs/index.php/Grid_examples
- Choose Job collection example and follow the instructions for submitting job collection

- gLite user guide
 - <https://edms.cern.ch/file/722398//gLite-3-UserGuide.pdf>
- Quick user guide for submitting jobs
 - http://wiki.egee-see.org/index.php/Quick_User_Guide_for_Submitting_Jobs