

SPD software news

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17.06.2020

Available computing resources

- ***LIT cluster (lxpub)***
- ***Hybrilit***
- ***LHEP cluster***
- ***LNP cluster***

LIT cluster (lxpub)

- Login *lxpub01.jinr.ru*
- SL6, going to upgrade to CentOS7 soon.
- PBS, up to 200 running jobs/user.
- CVMFS: FairRoot, FairSoft
/cvmfs/nica.jinr.ru/spd/sl6
- Run *source /opt/rh/devtoolset-6/enable* first
- For the moment, SpdRoot should be built in home directory
- Further reading:
http://lxs-s03.jinr.ru/cicc/index.php/en/home/

Hybrilit

- Login: *hydra.jinr.ru*
- CVMFS: FairRoot, FairSoft, SpdRoot
/cvmfs/nica.jinr.ru/spd/centos7
- SLURM as a batch system
- Further reading: *http://hlit.jinr.ru*

LHEP cluster

- Register: <https://webncx.jinr.ru/register/>
 - Login: `ssh -X {username}@ncx.jinr.ru`
 - FairRoot, FairSoft
/opt/fairsoft/spd/new, /opt/fairroot/spd/new
 - CentOS7, ~100 nodes, SGE
 - Home directory - (`/lhep/users/{username}`), quota – 50GB/user;
EOS: `/eos/nica/spd/users/{username}`
[= `/eos/eosnica.jinr.ru/spd/...` at hybrilit, not accessible from other clusters]
- 100 TB for SPD for the moment. Tell me if you need space.
- Temporary storage: */weekly*
- Further reading: <https://webncx.jinr.ru/start/>

LNP cluster

- Login: *ssh -X {username}@lgd01.jinr.ru*
- 776 cores, CentOS7, PBS
- CVMFS: FairRoot, FairSoft
/cvmfs/nica.jinr.ru/spd/centos7/
- Temporary storage: */junk*
- Tell me if you need space or have any problems
- Further reading: *http://lgdweb.jinr.ru*

Available computing resources

- *LIT cluster (lxxpub)*
- *Hybrilit*
- *LHEP cluster*
- *LNP cluster*



More details and SpdRoot examples will appear in Wiki soon:
<https://git.jinr.ru/nica/spdroot/-/wikis/home>

aob

- SpdUrqmdGenerator is available in development branch
- SpdRoot cannot run from arbitrary location (need to copy rootlogon.C to the current dir)
 - **spdroot.py** wrapper is available in development branch. Please try it:

```
source /cvmfs/nica.jinr.ru/spd/centos7/spdroot/dev/SetEnv.sh
```

```
spdroot.py mymacro.C
```

- Data files (e.g. field maps) become large. We need a central storage for it.

/cvmfs? /eos? database?