

Centre de Calcul
de l'Institut National de Physique Nucléaire
et de Physique des Particules



DIRAC-IN2P3

Ferme de tests au CC-IN2P3

Agenda



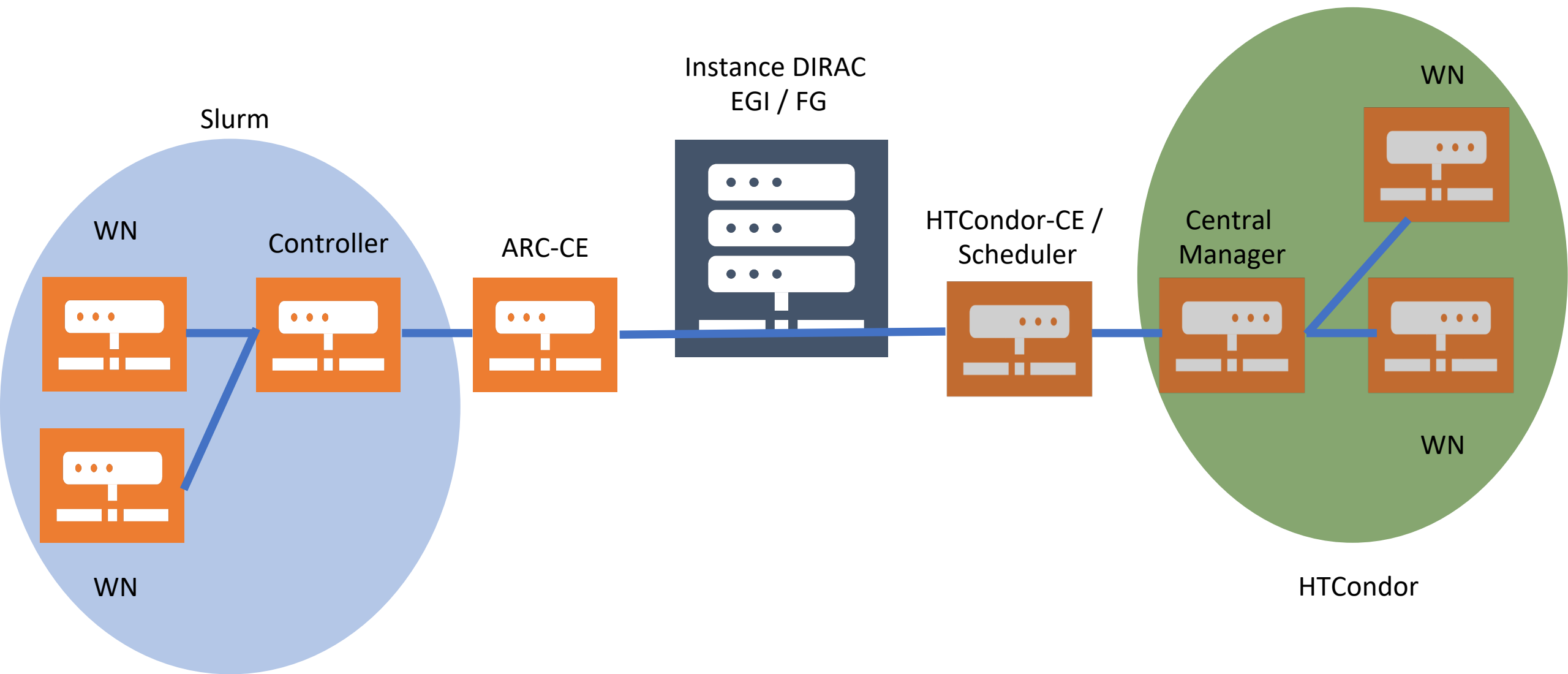
- Hardware / Software
- Architecture
- CEs
- DIRAC
- Conclusions

Hardware:

- DELL
- Intel(R) Xeon(R) CPU E5-2650 v4 @ 2.20GHz
- 48 CPUs
- 148 GB Memoire

Software:

- Centos7
- htcondor-ce-5.1.6-1
- condor-9.0.17-1
- nordugrid-arc-6.17.0-1
- slurm-22.05.5-1



/etc/condor-ce/mapfiles.d

```
SCITOKENS /^https:\\\\wlcg\\.cloud\\.cnaf\\.infno\\.it\\/,XXXXXXXXXX/ frg001
SCITOKENS /^https:\\\\wlcg\\.cloud\\.cnaf\\.infno\\.it\\/,YYYYYYYYYY/ lhcb001
SCITOKENS /^https:\\\\wlcg\\.cloud\\.cnaf\\.infno\\.it\\/,ZZZZZZZZZ/ dteam001
```

/etc/condor-ce/config.d/59-site-security.conf

```
SCHEDD.SEC_WRITE_AUTHENTICATION_METHODS = FS,SCITOKENS,GSI
SCHEDD.SEC_READ_AUTHENTICATION_METHODS = FS,SCITOKENS,GSI
COLLECTOR.SEC_READ_AUTHENTICATION_METHODS = FS,SCITOKENS,GSI
COLLECTOR.SEC_WRITE_AUTHENTICATION_METHODS = FS,SCITOKENS,GSI
COLLECTOR.SEC_ADVERTISE_STARTD_AUTHENTICATION_METHODS = FS,SCITOKENS,GSI
```

```
condor-ce/SchedLog.old:03/21/23 13:53:42 DC_AUTHENTICATE: reason for authentication failure: AUTHENTICATE:1003:Failed to authenticate with any method | AUTHENTICATE:1004:Failed to authenticate using SCITOKENS
```

```
condor-ce/SchedLog.old:03/21/23 15:12:48 (cid:243) Authentication Failed, MethodsTried=SCITOKENS
```

```
condor-ce/SchedLog:03/18/23 03:58:27 (cid:2894) AuthMethod=SCITOKENS, AuthId=https://wlcg.cloud.cnaf.infn.it/,ZZZZZZZ, CondorId=frg001@users.htcondor.org
```

```
condor-ce/SchedLog.old:03/21/23 15:17:40 (cid:252) AuthMethod=SCITOKENS, AuthId=https://wlcg.cloud.cnaf.infn.it/,bfee27e8-c327-44bc-b10c-41d5bf4e03d5, CondorId=dteam001@users.htcondor.org
```

/etc/arc.conf

```
[authgroup:egi]
```

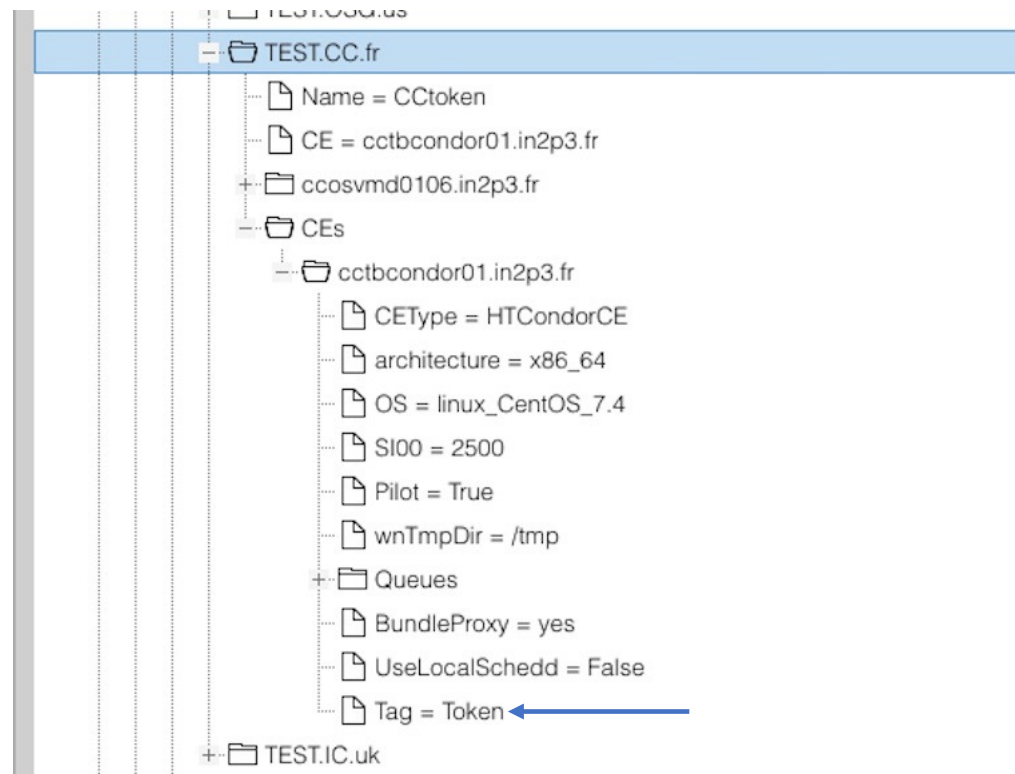
```
authtokens = XXXXXXXXXXXX https://wlcg.cloud.cnaf.infn.it/ * * *
```

```
authtokens = ZZZZZZZZZZ https://wlcg.cloud.cnaf.infn.it/ * * *
```

```
[authgroup:all]
```

```
authgroup = lsst dteam zero egi
```

A TESTER au CC !



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☐	PilotJobRef...	Status	Site	Computing...	Broker	CurrentJobID	GridType	TaskQueueID	BenchMark
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135241782	HTCondorCE	8485902	16.5
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135242389	HTCondorCE	8485902	16.3
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135243717	HTCondorCE	8483462	17.7
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135247846	HTCondorCE	8483462	17.4
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135247653	HTCondorCE	8483462	17.2
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135239404	HTCondorCE	8483462	17.3
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135237598	HTCondorCE	8483462	16.3
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135238034	HTCondorCE	8483462	16.7
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135226142	HTCondorCE	8482576	17.1
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135227882	HTCondorCE	8482576	17.3
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135237901	HTCondorCE	8482576	16.5
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135227976	HTCondorCE	8482576	16
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135225302	HTCondorCE	8480598	17
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135222761	HTCondorCE	8480598	16.8
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135222783	HTCondorCE	8480598	16.3
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135210041	HTCondorCE	8480307	18.6
☐	htcondorce...	Done	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135219273	HTCondorCE	8480307	18.5
☐	htcondorce...	Running	TEST.CC.fr	cctbcondo...	ccdirac02.i...	135224153	HTCondorCE	8480307	18.5

- HTCondor marche, des soucis pour mapper le groupe dans une installation que supporte multi-vos.
- Nous allons faire des tests avec le ARC-CE.