

Resurse GRID pentru EGEE si TIER 2

Centru de resurse GRID- ICI București

locația:

- **nod RNC – GRID în sediu ICI**
- **acces securizat**
 - sistem anti efracție
 - sistem anti incendiu
- **climatizare redundantă cu putere totală de 100.000 BTU**
- **energie electrică neintreruptibilă UPS \approx 30KW, configurație duală**
- **achizitie în curs: grup electrogen 100 KW**

Resursele GRID – ICI București

■ 17 x Server SUN Fire X4100

- dual procesor AMD Opteron X64 2.6 Ghz
- 4 GB RAM (DDR-400)
- HDD 73 GB
- 4 x GigaEthernet ports
- SO: RH Enterprise Linux 3.0 64 bit
- Software: Sun N1 Grid Engine 6 ce suportă 200.000 joburi simultan

■ Sistem de stocare

- de tip disk array, conectivitate Fiber Channel
- Sun StorEdge
- capacitate curentă 2 TB, extensibilă la 40 TB
- management cu Sun Fire V440, Solaris 10

■ Stație de management cu Solaris 10

Resursele GRID – cont.

Conectivitate:

- **Conectare directa in backbone-ul ICI-RNC la viteza de 1 Gbps**
- **Legatura principala Internet la RoEduNet 100 Mbps**
- **Legatura secundara (backup) la INES Telecom 10 Mbps**
- **Peering-uri multiple cu providerii principali (Evolva Telecom, RCS & RDS, UPC, Romtelecom) la 100 Mbps**

Resurse GRID – cont.



Resurse GRID – cont.



Instalare site GRID

- **în prima fază (testare) 8 noduri:**

- CE, SE, MON, 4xWN, UI

- **reinstalare sistem operare: Scientific Linux 4.6**

- **instalare middleware gLite 3.1**

- **pachete instalate:**

CE: lcg-CE glite-TORQUE_utils glite-TORQUE_server BDII_site

SE dpm :glite-SE_dpm_mysql

MON: glite-MON

WN: glite-WN glite-TORQUE_client

UI: glite-UI

- **certIFICATE digitale obținute de la ROSA**

- **testare site cu VO seegrid**

Instalare site GRID-cont.

- Pe SL4 se recomanda "yum"

- Ultima versiune Java 1.5. pasi se gasesc la :

<https://twiki.cern.ch/twiki/bin/view/EGEE/GLite31JPackage>

sau

http://wiki.egee-see.org/index.php/SL4_WN_glite-3.1

- Aauga CA repository :

<http://grid-deployment.web.cern.ch/grid-deployment/yaim/repos/lcg-CA.repo>

- Instalare : yum install lcg-CA

- Ghidul de instalare site :

<https://twiki.cern.ch/twiki/bin/view/LCG/GenericInstallGuide310#Updates>

Instalare site GRID cont.

- **RO-12-ICI** numele site-ului
- **RO-12-ICI** e inregistrat in GOCDB
- **Monitorizare GOC :GStat** <http://goc.grid.sinica.edu.tw/gstat/seegrid/>

Monitorizare GOC

Customize Links Free Hotmail Windows Marketplace Windows Media Windows

Y! Search Web Upgrade to the latest Yahoo! Toolbar Mail My Yahoo! HotJobs Games

GStat: RO-12-ICI 23:11:18 04/15/08 GMT - @egee017.cnaf.infn.it

home alert table service regional service metrics links ? prod pps test baltic eela euchina eumed seegrid gilda trigrind euindia pi2s2 grind ireland

RO-12-ICI Status: OFF GOC gr

GOCDB Configuration information:
 status: Candidate, type: Production
 giis url: ldap://ce.rncgrid.ici.ro:2170/mds-vo-name=R0-12-ICI,o=grid

To test site GIIS:: ldapsearch -x -H ldap://ce.rncgrid.ici.ro:2170 -b mds-vo-name=R0-12-ICI,o=grid

BDII Node Check: . alert history

CERN SE Check . alert history

No BDII Node to check in GOCDB
 test: ldapsearch -xLLL -l 15 -h bdiihostname -p 2170 -b 'GlueSEUniqueID=lxdpml01.cern.ch,mds-vo-name=CERN-PROD,mds-vo-name=local,o=grid'

GIIS Perf Check: . alert history

No GIIS Perf Results

GIIS Sanity Check: error alert history

Monitorizare cont.

test GStat: 22:46:23 04/15/08 GMT - gwgc01 - Mozilla Firefox

http://oc.grid.sinica.edu.tw/gstat/test/

56	NGS-LEEDS	ngs.leeds.ac.uk			ok	warn	ok	ok		RedHatEnterpriseAS	252
57	NGS-MGW					error				na	
58	NGS-NE5C	bluedwarf.egs.ed.ac.uk				error				na	
59	NGS-OXFORD	grid-compute.oesc.ox.ac.uk			ok	warn	ok	ok		RedHat EL3.5	24
60	NGS-RAL	ngsinfa.grid-support.ac.uk				error	error			na	
61	NGS-READING	vigg1.reading.ac.uk				error				na	
62	NGS-WESTMINSTER	grid-compute.cpc.wmin.ac.uk				error				na	
63	obsARMuk	gridgate.arm.ac.uk			ok	ok	ok	ok	GLITE-3_0_0	Scientific Linux 3.0.8	1
64	QSG_SAM_TESTS	feynman.uits.iupui.edu				error	error			na	
65	PAKGRID3-LCG2	CE.hmc-3.com.pk				error				na	
66	PHILIPS-TGRID	tdeimos.ehw.campus.philips.com			ok	ok	warn	ok	GLITE-3_1_0	ScientificSL 4.5	4
67	PPS-RO-01-UPB	gw01.egee.grid.pub.ro				error				na	
68	PPS-SWITCH	diana.switch.ch			ok	ok		ok	GLITE-3_1_0	Scientific Linux 3.0.6	2
69	PPS-UNIBAS	dil06.cs.unibas.ch			ok	ok	ok	ok	GLITE-3_0_2	Scientific Linux CERN 3.0.8	12
70	prague_cesnet_log2_cert	skurut16.cesnet.cz				error				na	
71	prague_cesnet_ct	skurut67-4.cesnet.cz	error	note		error	error			na	
72	preprod.nikhef.nl	tbn11.nikhef.nl				error				na	
73	PSK_KIELCE	ce.egee.tu.kielce.pl				error				na	
74	RO-12-ICJ	ce.magrid.icj.ro				error				na	
75	ru-Chernogolovka-IBCP-LCG2	grid-ca.icp.ac.ru			ok	ok		ok	GLITE-3_1_0	Scientific Linux 3.0.8	24
76	ru-Moscow-SINP-Devel	grid138.sinp.msu.ru			ok	warn	ok	ok	GLITE-3_1_0	Scientific Linux 4.6	2
77	ru-Novosibirsk-NOVSU-LCG2	ce01.novsu.ac.ru				error				na	
78	SARA-LISA	mu9.matrik.sara.nl				error				na	
79	scnNUIGie	gridgate.scg.nuigalway.ie			ok	ok	ok	ok	GLITE-3_0_0	Scientific Linux 3.0.8	17
80	centrid_ala	ce1_ala.centrid.ac.uk				error				na	

Vă Mulțumesc...!

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