

# Aspects opérationnels comment poursuivre....

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*Tutorial EGEE*

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- **Récapitulatif de ce qui a été présenté au cours du tutorial sous forme de quelques bonnes adresses...**
  - EGEE
  - CIC Operations Portal
  - Certificats / VO et enregistrement VO
  - Supports utilisateurs
  - GOC grid monitoring



## • Tout ce que vous voulez savoir sur EGEE ...

- Projet EGEE : <http://www.eu-egee.org/>
- Fédération française : <http://egee.in2p3.fr/>

<p><b>Latest News</b></p> <p>The Value-Add of the Business Track at EGEE'07</p> <p><a href="#">... Read more</a></p>
<p><b>Technical sites</b></p> <ul style="list-style-type: none"> <li>EGEE technical sites</li> <li>EGEE Training Site</li> <li>gLite Site</li> </ul>
<p><b>Try the GRID</b></p> <p><a href="#">Click here</a></p>
<p><b>Become a User</b></p> <p>Want to become a user of the EGEE Grid? <a href="#">Click here</a></p>
<p><b>Related Projects</b></p> <p>If your project is related to EGEE, please register it <a href="#">here</a></p>
<p><b>Information Sheets</b></p> <p><a href="#">Click here</a> for all the EGEE Information Sheets.</p>
<p><b>Contact EGEE</b></p> <p>Get in touch with the EGEE Project Office at <a href="mailto:projectoffice@eu-egee.org">projectoffice@eu-egee.org</a>. If you have questions about the Website contact: <a href="mailto:egee2@metaware.it">egee2@metaware.it</a>.</p>

- **La mine d'or...**

- Informations sur les VO - enregistrement
- Liens vers support utilisateurs
- News

centralise de nombreuses informations

<http://cic.gridops.org/index.php?section=home&page=homepage>



CIC Home | EGEE Home | IN2P3 | CNRS



The screenshot shows the CIC Operations Portal interface. At the top, there is a navigation bar with the EGEE logo and the text "Enabling Grids for E-science". Below this is a main header with the "CIC OPERATIONS PORTAL" logo. A secondary navigation bar contains several menu items: HOME, VO Users, VO management, RC management, ROC management, COD management, and OAG management. The "VO Users" and "VO management" items are circled in red. On the left side, there is a sidebar menu with options like HOME, Getting Started, VO information, Credits, Contact us, Current developments, and Portal features. The main content area features a "NEW RELEASE 4.5 (22/08/2007)" announcement with a sub-heading "VO Data schema has been modified :". This announcement lists several changes to the VO data schema, including redesigned fields for VOMS endpoints, split "Groups and Roles" field, improved VOMS certificate fields, syntactically checked fields in VoIdCard, and downloadable XML files for VO Id cards info. To the right of the announcement is a "LATEST NEWS" section with three news items: "Scheduled interruption of the CERN vomrs services", "EGI project - grid utilization use cases collection", and "Scheduled intervention on CASTORALICE MSS at CERN on Wed, Sept 26 2007 at 9.00am CEST".

- **Contacter l'autorité de certification**



CNRS : <http://igc.services.cnrs.fr/GRID-FR/certificats.html>

- **Consortium international de toutes les autorités de certification**

<http://www.gridpma.org/>

( permet de trouver son autorité de certification )

- Enregistrer son certificat auprès d'une VO existante

<https://cic.gridops.org/index.php?section=users&page=homepage>

For more information about the last release: [Read Release Notes](#)

**Information about your VO : ID card**

Hi Sabine Elles,

**VO SELECTION**

Choose your VO from the list

(sorted by VO name alphabetic order)

[- Please select -]

OR

Use the following filters

Scope: [- all -]

Discipline: [- all -]

Status: [- all -]

## Renseignements sur la VO

### GENERAL INFORMATION

Unique VO Name	atlas	<input type="button" value="?"/>
Discipline	High-energy physics	<input type="button" value="?"/>
Status	active	<input type="button" value="?"/>
Scope	Global Selected	<input type="button" value="?"/>
VO Homepage link	<a href="http://grid.racf.bnl.gov/site/AAA/VOservices/USATLASVO.html">http://grid.racf.bnl.gov/site/AAA/VOservices/USATLASVO.html</a>	<input type="button" value="?"/>
Enrollment URL	<a href="https://cic.gridops.org/index.php?section=users&amp;page=homepage">https://cic.gridops.org/index.php?section=users&amp;page=homepage</a>	<input type="button" value="?"/>
Acceptable Use Policy	<a href="#">atlas_AcceptableUsePolicy_20061116-101909.txt</a>	<input type="button" value="?"/>
	<input type="button" value="Download"/>	

### Description:

The ATLAS VO allow the members of the ATLAS collaboration to perform all the computing activities relevant for the ATLAS experiment, making use of the available resources following the policy defined by the Collaboration.

+ **Contacts - Ressources - VOMS & rôles - noms des serveurs**

### Information about your VO : resources

Please view the [resource page](#) in the VO management section

### General Information and User Support

#### Registration to a running VO

- ▶ Registered user : [How to change VO](#)

#### Registered users - grid support

- ▶ [Global Grid User Support \(GGUS\)](#) (then browse FAQs from the left menu item)

Enregistrement dans la VO

Support utilisateur

## Depuis le CIC Operation Portal

<http://cic.gridops.org/index.php?section=home&page=homepage>

<b>VO management</b>
HOME
VO ID card update
Yalm Configurator
<b>New VO Registration</b>
Availability of resources
Download VO ID card info
Weekly reports
Monitoring
Data Challenges

### Avant tout :

- ⇒ fédérer les équipes intéressées
- ⇒ s'organiser ( soft - données - tests - ...)
- ⇒ proposer des moyens ( CPU-stockage )

Serveur VOMS associé / Contacts / Support utilisateur / Ressources

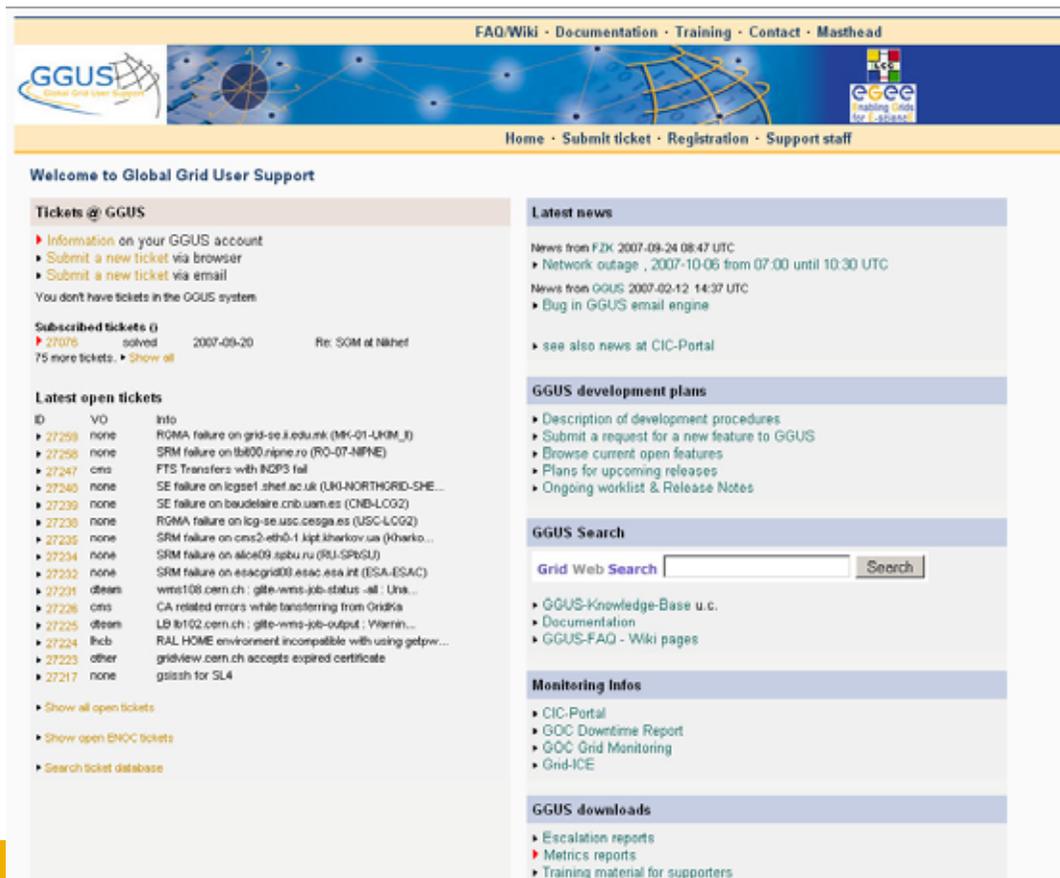
- **Support local / support VO**  
documentation - formation - mailing list

- **Support GGUS** <https://gus.fzk.de/pages/home.php>

Soumission d'un ticket par un utilisateur



Administrateur du site en erreur  
Responsable software



The screenshot shows the GGUS website with the following sections:

- Navigation:** Home, Submit ticket, Registration, Support staff
- Welcome to Global Grid User Support**
- Tickets @ GGUS:**
  - Information on your GGUS account
  - Submit a new ticket via browser
  - Submit a new ticket via email
  - You don't have tickets in the GGUS system
- Subscribed tickets (0):**

27076	solved	2007-09-20	Re: SOM of Nihel
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75 more tickets. [Show all](#)
- Latest open tickets:**

ID	VO	Info
27259	none	ROMA failure on grid-se.it.edunk (MK-01-URM_1)
27256	none	SRM failure on lb400.nipne.ro (RO-07-NIPNE)
27247	cms	FTS Transfers with INPS fail
27240	none	SE failure on logset.shef.ac.uk (UK-NORTHGRID-SHE...)
27239	none	SE failure on baudelaire.cnib.uam.es (CNB-LCG2)
27238	none	ROMA failure on log-se.usc.cega.es (USC-LCG2)
27235	none	SRM failure on cms2.ethz-1.kipt.kharkov.ua (Kharko...)
27234	none	SRM failure on aloce09.zpbu.ru (RU-SPbSU)
27232	none	SRM failure on esacgrid01.esac.esa.int (ESA-ESAC)
27231	other	wms108.cern.ch: gile-wms-job-status -all: Uns...
27228	cms	CA related errors while transferring from GridKa
27225	other	LB 10102.cern.ch: gile-wms-job-output: Warnin...
27224	fbcb	RAL HOME environment incompatible with using getpr...
27223	other	gridview.cern.ch accepts expired certificate
27217	none	glish for SL4
- Latest news:**
  - News from FZK 2007-09-24 08:47 UTC
  - Network outage, 2007-10-06 from 07:00 until 10:30 UTC
  - News from GGUS 2007-02-12 14:37 UTC
  - Bug in GGUS email engine
- GGUS development plans:**
  - Description of development procedures
  - Submit a request for a new feature to GGUS
  - Browse current open features
  - Plans for upcoming releases
  - Ongoing worklist & Release Notes
- GGUS Search:**

Grid Web Search

  - GGUS-Knowledge-Base u.c.
  - Documentation
  - GGUS-FAQ - Wiki pages
- Monitoring Infos:**
  - CIC-Portal
  - GOC Downtime Report
  - GOC Grid Monitoring
  - Grid-ICE
- GGUS downloads:**
  - Escalation reports
  - Metrics reports
  - Training material for supporters

- **Documentation**

EGEE library <http://egee.lib.ed.ac.uk:8080/>

Middleware EGEE : <http://glite.web.cern.ch/glite/> etc...

Guide gLite : <https://edms.cern.ch/file/722398/1.1/gLite-3-UserGuide.pdf>

**ATTENTION** : vérifiez la pertinence de la documentation

- **Formation** <http://www.egee.nesc.ac.uk/schedreg/index.html>



Enabling Grids for E-science Training Events and Registration

Page 1 of 21  
Displaying Results 1 to 20 of 410

Search Events by Title   Advanced Search

No	Title	Location	Dates	Summary/Registration
1.	<a href="#">glite Course in conjunction with EGEE07 Conference</a>	Budapest, Hungary	29 - 30 September, 2007	<a href="#">Registration</a>
2.	<a href="#">Seminaire Glite - Formation Utilisateur EGEE</a>	LAPP Annecy-le-Vieux, France	25 - 27 September, 2007	
3.	<a href="#">Grid's School 2007</a>	Forschungszentrum Karlsruhe, Germany	10 - 14 September, 2007	
4.	<a href="#">An Introduction to Grid Computing and the National Grid Service</a>	Leicester, United Kingdom	10 September, 2007	

- **Forum utilisateurs / mailing listes**

- **Image temps réel de l'état des sites**

⇒ **il existe de nombreux dashboards**

état des sites - jobs en cours

occupation des SE - localisation des données

transferts des données

- **Service Availability Monitoring : SAM tests**

<https://lcg-sam.gridops.org:8443/sam/sam.py>

tests automatisés des services, des accès aux machines, ...



- Caractéristiques & monitoring des sites

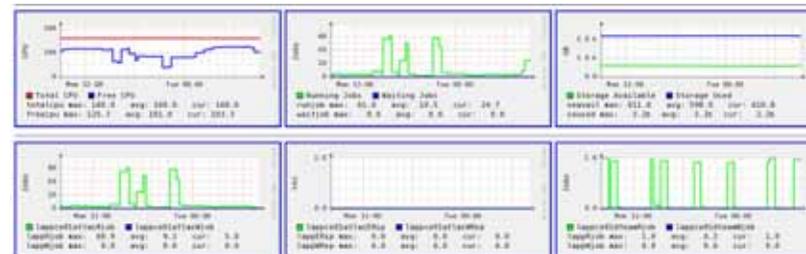
## Tests

Service Check: ok

hostname	monitor	nodetypes	missing services	history
lapp-bdii01	Y	BDII,PROX	none missing	<a href="#">alert history</a>
lapp-ce01	Y	CE	none missing	<a href="#">alert history</a>
lapp-rb01	Y	RB	none missing	<a href="#">alert history</a>
lapp-se01	Y	SE	none missing	<a href="#">alert history</a>

( SAM tests )

## Graphes : monitoring CE et SE



## Files d'attentes

Site General Information: ok

```

SiteUniqueID:
siteName:      IN2P3-LAPP
Web:           http://lapp.in2p3.fr/
UserSupportContact:  mailto: support-grid(a)lapp(d)in2p3(d)fr
SysAdminContact:  mailto: support-grid(a)lapp(d)in2p3(d)fr
Location:      Armeny le vieux, France
Latitude:      45.921667
Longitude:     6.156242
GlueCEUniqueID:
lapp-ce01.in2p3.fr:2119/jobmanager-pbs-atlas
  GlueCEStateStatus:      Production
  GlueCEPolicyMaxRunningJobs: 0
  GlueCEPolicyMaxWallClockTime: 2160
lapp-ce01.in2p3.fr:2119/jobmanager-pbs-dteam
  GlueCEStateStatus:      Production
  GlueCEPolicyMaxRunningJobs: 0
  GlueCEPolicyMaxWallClockTime: 150
lapp-ce01.in2p3.fr:2119/jobmanager-pbs-esx
  GlueCEStateStatus:      Production
  GlueCEPolicyMaxRunningJobs: 0
  GlueCEPolicyMaxWallClockTime: 2160
lapp-ce01.in2p3.fr:2119/jobmanager-pbs-geant4
  GlueCEStateStatus:      Production
  GlueCEPolicyMaxRunningJobs: 0
  GlueCEPolicyMaxWallClockTime: 2160
lapp-ce01.in2p3.fr:2119/jobmanager-pbs-lapp
  GlueCEStateStatus:      Production
  GlueCEPolicyMaxRunningJobs: 0
  GlueCEPolicyMaxWallClockTime: 2160
lapp-ce01.in2p3.fr:2119/jobmanager-pbs-lhcb
  
```

## Middleware & Software

SubCluster Information: ok

```

SubClusters:
lapp-ce01.in2p3.fr
  GlueHostOperatingSystemName: Scientific Linux
  GlueHostOperatingSystemRelease: 3.0.8
  GlueHostOperatingSystemVersion: SL
  GlueSubClusterPhysicalCPUs: 0
  GlueSubClusterLogicalCPUs: 0
  GlueHostApplicationSoftwareRunTimeEnvironment:
    GLITE-3_0_0          GLITE-3_0_2
    LAM                  LAM-7.1.2
    LCG-2_7_0           LCG_3C3
    NPICH-START         NPICH
    NPICH-1.2.7        NPICH2
    NPICH2-1.0.4       NPI_SHARED_HOME
    OPENMPI              OPENMPI-1.1
    VO-atlas-cloud-FR   VO-atlas-tier-T3
    VO-atlas-offline-12.0.2  VO-atlas-production-12.0.3
    VO-atlas-production-12.0.31  VO-atlas-production-12.0.6
    VO-atlas-production-12.0.7  VO-atlas-production-12.0.95
    VO-atlas-release-11.0.42  VO-atlas-release-11.0.5
    VO-lhcb-Gauss-v25r9      VO-lhcb-Gauss-v25r9-slc3_ia32_gcc323
    VO-lhcb-XalDDDB-v22r2    VO-lhcb-XalDDDB-v30r14
    VO-lhcb-Boole-v12r10     VO-lhcb-DecFiles-v13r9
    VO-lhcb-DecFiles-v13r10  VO-lhcb-ParamFiles-v5r0
    VO-lhcb-Gauss-v25r10     VO-lhcb-DaVinci-v17r6
    VO-lhcb-DaVinci-v17r7    VO-lhcb-DaVinci-v17r8
    VO-lhcb-DaVinci-v18r0    VO-lhcb-DaVinci-v19r1
    VO-lhcb-DaVinci-v19r2    VO-lhcb-Exunel-v30r17
    VO-lhcb-DaVinci-v19r0    VO-lhcb-DaVinci-v19r3
  
```

- **Pour ne pas vous décourager trop vite...**
  - Verifiez l'initialisation de l'environnement du WN
    - ⇒ printenv, PATH et LD\_LIBRARY\_PATH
    - Attention : aux liens statiques de vos logiciels (include/link) à l'environnement logiciel par défaut du WN
  - Commentez votre job de sorte à décrire sa progression pour trouver rapidement où sont les problèmes éventuels
    - ⇒ echo "...", résultats des commandes, ...
    - les messages d'erreur grille ne sont pas toujours très pertinents
  - Testez l'importation/ la sauvegarde de vos fichiers de données
    - une fois un job fini il n'y a plus moyen d'accéder au WN

- Commencer par des jobs courts qui n'effectuent que des tests  
( on attend rarement très longtemps dans les files d'attente courte)
- Paramétrer les requirements (CPU, mémoire,..) du fichier jdl de façon pertinente  
( quitte à faire des jobs tests pour évaluer ces paramètres)  
les administrateurs des sites apprécient les "bons" utilisateurs
- Cibler les CE / temps max des files d'attente  
il vaut quelquefois mieux soumettre une succession de jobs moyens sur des sites disponibles plutôt que d'attendre les ressources pour un job long

- **La grille est un outil de collaboration** 
    - Informez-vous sur votre VO  
organisation - modèle de calcul - catalogues - outils disponibles
    - N'hésitez pas à faire appel aux supports utilisateurs

⇒ **mailing list** (trouvez la bonne 😊) / **forum**  
**réunions de collaboration**

  - Ne réinventez pas l'eau tiède !!!
- **Bon courage....**