

The VOCE Environment

a VO for Central Europe

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Content

VOCE - easy access to EGEE for everyone
(in Central Europe)

— [What VOCE is and what services it provides

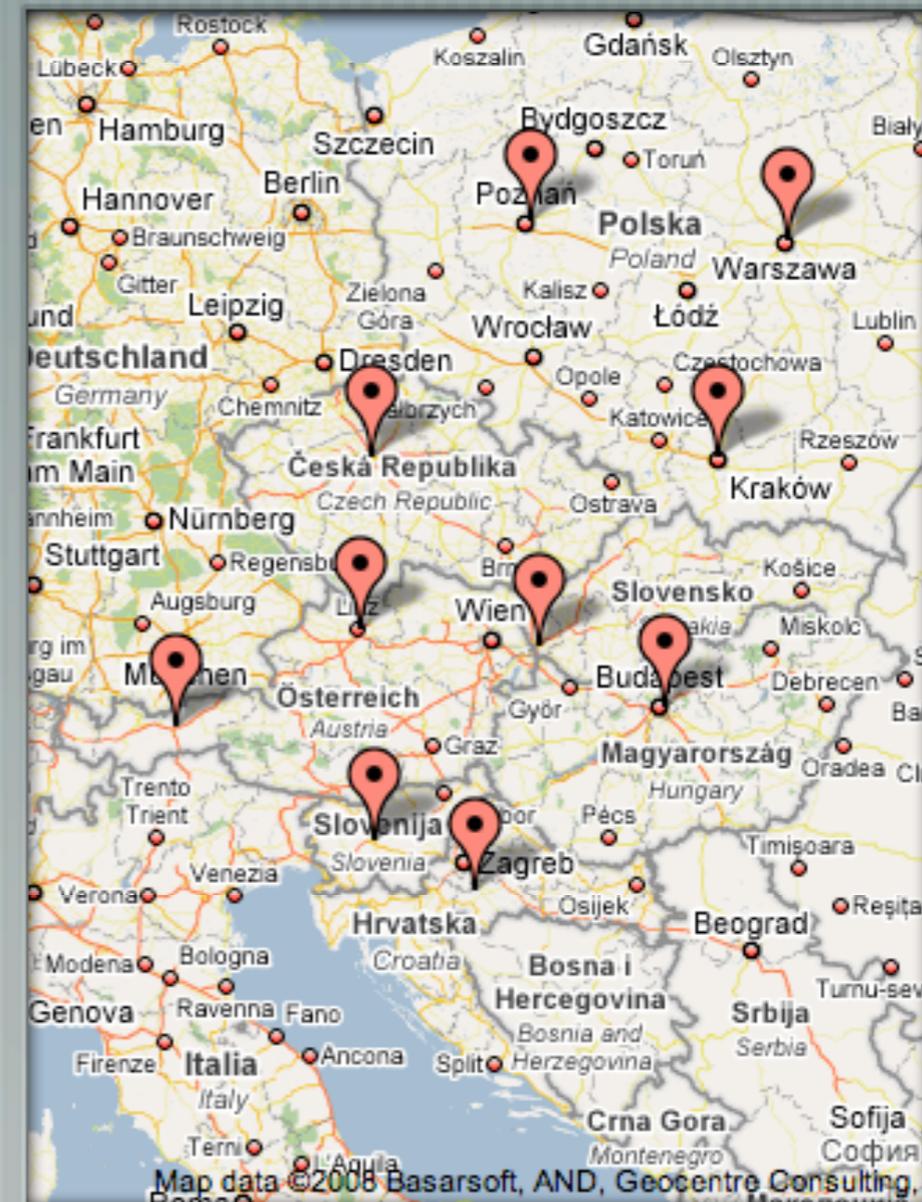
— [How to join and use VOCE

Central Europe Federation

Several federations within EGEE

Efficient grid operation, user support, etc.

The Central Europe (CE) Federation is composed of institutions and users from: Austria, Croatia, Czech Republic, Hungary, Poland, Slovakia and Slovenia



VOCE - VO for the CE Federation

— [A complete Grid infrastructure provided by the CE Federation

— [The main goal is support of new users

— [Primarily support of new Grid users that do not have their own VO and want to gain experience on the production Grid

— To allow testing and first touch with the Grid environment

— Support of smaller application groups that do not have resources to build and maintain a separate VO

VOCE - VO for the CE Federation

— [Not tied with any particular application area

— [Any user from the CE Federation can become a member of VOCE

— [Resources are provided on a best effort basis (no dedicated resources for a particular group)

VOCE - VO for the CE Federation

- [Regional principle

- VOCE spans the whole CE federation

- Core services operated by CESNET

- Resources are provided by several institutions across CE

VOCE - VO for the CE Federation

— [Full production environment

- VOCE provides users with environment that allows to get quick first experience with Grid computing
- Also allows users to smoothly move to production use of the Grid in the same environment

— [Independent infrastructure

- Designed to use as much of its own services as possible

VOCE - Current Status

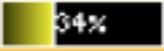
VOCE is available in the official GridICE list with LCG/EGEE resources

<http://gridice2.cnaf.infn.it:50080/gridice>

Resources from GUP-JKU, HEPHY-VIENNA (at), CESNET (cz), IRB, SRCE (hr), BMEGrid, Budapest, ELTE, niif (hu), PSNC, Cyfronet (pl), IISAS, TU-Kosice (sk),

About 1500 CPUs, over 40 TB of disk space available

VOCE - Current Status

<u>VO Name</u> ▼	<u>Q#</u>	<u>MinSlotFree</u>	<u>MaxSlotFree</u>	<u>Runjob</u>	<u>Waitjob</u>	<u>Storage Available</u>	<u>Storage Total</u>	<u>Storage Load</u>
tx	121	41	151	-	-	-	-	-
ufrj	0	-	-	-	-	-	-	-
uibktest	1	4	4	-	-	-	-	-
unosat	0	-	-	-	-	-	-	-
uporto	0	-	-	-	-	-	-	-
vi	1	52	52	-	-	-	-	-
virgo	24	1036	1056	-	-	278.5 TB	419.5 TB	 34%
vldb	7	396	396	-	-	-	-	-
vle	0	-	-	-	-	-	-	-
vledut	5	373	373	-	-	-	-	-
vlefi	7	396	396	-	-	-	-	-
vlemed	8	397	397	-	-	-	-	-
vlibu	8	396	396	-	-	-	-	-
vo	59	1504	2652	-	-	-	-	-
voce	17	1532	1532	-	-	231.3 TB	273.1 TB	 15%
vocet	1	79	79	-	-	-	-	-
webcom	3	71	71	-	-	-	-	-
wisent	3	0	0	-	-	-	-	-
ws	1	52	52	-	-	-	-	-
zeus	71	3209	3260	10	2	157.3 TB	245.5 TB	 36%

VOCE - Current Status

GridICE >> VO::ALL >> VO::voce

CE	SE	Job	Charts	XML			
Computing Element ID	CEStatus	Site ▼	Free Slots	Total Slots	Max Run	ERT	
fangorn.man.poznan.pl:2119/jobmanager-pbs-voce	Production	AMD64.PSNC.PL	10	96	156	0-00:00	
ce.hpc.iit.bme.hu:2119/jobmanager-lcgpbs-long	Production	BMEGrid	10	28	29	0-00:00	
grid109.kfki.hu:2119/jobmanager-lcgpbs-voce	Production	BUDAPEST	182	189	100	0-00:00	
ares02.cyf-kr.edu.pl:2119/jobmanager-pbs-voce	Production	CYFRONET-IA64	42	44	30	0-00:00	
ce.cyf-kr.edu.pl:2119/jobmanager-pbs-voce	Production	CYFRONET-LCG2	517	562	280	0-00:00	
eszakigrid66.inf.elte.hu:2119/jobmanager-lcgpbs-voce	Production	ELTE	13	16	0	0-00:00	
egee-ce1.gup.uni-linz.ac.at:2119/jobmanager-pbs-voce	Production	GUP-JKU	7	8	2	0-00:00	
ce.ui.savba.sk:2119/jobmanager-pbs-voce	Production	IISAS-Bratislava	25	40	25	0-00:00	
ce.grid.tuke.sk:2119/jobmanager-pbs-voce	Production	TU-Kosice	16	16	10	0-00:00	
ce2.polgrid.pl:2119/jobmanager-lcgpbs-voce	Draining	WARSAW-EGEE	112	118	0	0-00:00	
ce.polgrid.pl:2119/jobmanager-lcgpbs-voce	Production	WARSAW-EGEE	94	98	0	24845-14:40	
ce.reef.man.poznan.pl:2119/jobmanager-pbs-voce	Production [reef.man.poznan.pl]		388	720	0	0-00:00	
egee-ce.grid.niif.hu:2119/jobmanager-pbs-voce	Production	egee.grid.niif.hu	3	8	0	0-00:00	
egee.irb.hr:2119/jobmanager-lcgpbs-grid	Production	egee.irb.hr	1	24	0	0-00:26	
ce.egee.man.poznan.pl:2119/jobmanager-lcgpbs-voce	Production	egee.man.poznan.pl	15	107	60	0-00:00	
ce1-egee.srce.hr:2119/jobmanager-sge-prod	Production	egee.srce.hr	23	24	24	0-00:00	
skurut17.cesnet.cz:2119/jobmanager-lcgpbs-egee_voce	Production	prague_cesnet_lcg2	80	80	0	0-00:00	

VOCE - Current Status

GridICE >> VO::ALL >> VO::voce

CE	SE	Job	Charts						XML
Storage Element ID	Site ▼	Path	Area ID	Total	Available	Used	Load		
se1.egee.man.poznan.pl	AMD64.PSNC.PL	/dpm/egee.man.poznan.pl/home/voce	voce	4.4 TB	4.1 TB	287.36 GB	0%		
se.hpc.iit.bme.hu	BMEGrid	/dpm/hpc.iit.bme.hu/home/voce	voce	142.56 GB	142.56 GB	0	0%		
ares03.cyf-kr.edu.pl	CYFRONET-IA64	/flatfiles/SE00/voce	voce	2 TB	181.12 GB	1.8 TB	91%		
dpm.cyf-kr.edu.pl	CYFRONET-LCG2	/dpm/cyf-kr.edu.pl/home/voce	voce	50.3 TB	11.8 TB	38.4 TB	76%		
zeus03.cyf-kr.edu.pl	CYFRONET-LCG2	/flatfiles/SE00/voce	voce	2 TB	875.75 GB	1.1 TB	57%		
eszakigrid67.inf.elte.hu	ELTE	/dpm/inf.elte.hu/home/voce	voce	6.7 TB	6.7 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
hephyse.oeaw.ac.at	Hephy-Vienna	/dpm/oeaw.ac.at/home/voce	voce	17.1 TB	17.1 TB	0	0%		
se.ui.savba.sk	IISAS-Bratislava	/dpm/ui.savba.sk/home/voce	voce	723.42 GB	722.17 GB	1.25 GB	0%		
ce.grid.tuke.sk	TU-Kosice	/flatfiles/voce	voce	146.71 GB	117.89 GB	28.82 GB	20%		
se1-egee.srce.hr	egee.srce.hr	/dpm/srce.hr/home/voce	voce	1 TB	1 TB	5 MB	0%		

VOCE - Summary

— [Fast and easy access to the Grid

— [Both testing and production environment

— [Aiming at new users without Grid experience or small user groups not covered by any VO

— [Open to all users from the CE federation

VOCE from Users' Viewpoint

— [How can I use VOCE?

— [User Registration

— By registering with VOCE the user gains access to the resources and account on the VOCE User Interface machine

— [Basic services (RB, RLS), resources (CEs, SEs), registration service, VOMS and LDAP containing list of VOCE users

— [VOCE web page (<http://egee.cesnet.cz/en/voce/>)

User Registration - Requirements

- [A valid personal certificate issued by a trusted Central Europe CA
- [An SSL-enabled web browser
- [A working e-mail address
- [Agreement with the VOCE usage rules

VOCE Usage Rules

- [Document “Rules for use of the VOCE Computing Resources”

- Available from the VOCE web page

- Defines basic terms for Grid and EGEE environment

- Users’ responsibilities

- Keep private keys secured properly, do not reveal passwords, do not share accounts with other users, etc.

- [Each user requesting VOCE membership must read and approve it

User Registration

VOCE registrar at <http://voce-registrar.farm.particle.cz/>

1. The user applies for VOCE using the portal
 - ★ Client authentication using a X.509 certificate in the browser
 - ★ The user must supply contact information
2. A confirmation mail is sent to her/him
3. User has to follow the URL provided in the e-mail and finish the registration process by filling in the login name and password, which will be used for the VOCE UI machine

User Registration



VOCE REGISTRATION

For detailed information see [VOCE homepage](#). If you encounter problem during registration please contact voce@cesnet.cz

For access to the **VOCE** resources, you must agree to the **VOCE Usage Rules** and register with the Virtual Organization (VO). Please fill out all fields in the form below and click on the appropriate button at the bottom. After submitting the request a confirmation email will be sent to your address. In order to finish the registration process please follow instructions from the mail.

IMPORTANT: By submitting this information you agree that it may be distributed to and stored by VOCE and site administrators, that action may be taken to confirm the information you provide is correct, that it may be used for the purpose of controlling access to VOCE resources and that it may be used to contact you in relation to this activity.

Family name:	<input type="text" value="Oettl"/>
Name:	<input type="text" value="Peter"/>
Institute:	<input type="text" value="AustrianGrid"/>
Phone number:	<input type="text"/>
Address:	<input type="text"/>
Email:	<input type="text"/>
Certificate DN:	/C=AT/O=AustrianGrid/OU=UIBK/OU=astro/OU=HEPHY/CN=Peter Oettl

VOCE Middleware Infrastructure

— [Computing Infrastructure (WMS, CEs, WNs, SEs) and configured to accept users from VOCE VO

— [UI: skurut4.cesnet.cz
MyProxy: skurut2.cesnet.cz
RB: skurut2.cesnet.cz
VOCE LDAP: meta-ldap.cesnet.cz
VOCE VOMS: skurut19.cesnet.cz

The VOCE UI Machine

— [Each user in VOCE has an account on the User Interface machine

— [UI provides a complete set of commands needed to use the EGEE environment

— [Intended for users who do not have their own UI provided by their institution

— [Access using SSH protocol

— Password-based authentication

— GSI authentication

— Kerberos

Using an alternative UI

- [Arbitrary UI used for EGEE can be used to access VOCE

- [UI must be configured to support VOCE

- A basic configuration file is available from the VOCE web page

Resource Registration

How to contribute resources?

— [If the resources are part of EGEE, it is sufficient to extend the configuration

— Once the new information is propagated no other changes are needed

Documentation, User Support

- [VOCE portal

- <http://egee.cesnet.cz/en/voce/>

- [Request tracking system (RT) for VOCE in use by the administrators

- Allows efficient way of solving user problems

- [Send any problems/questions to voce@cesnet.cz