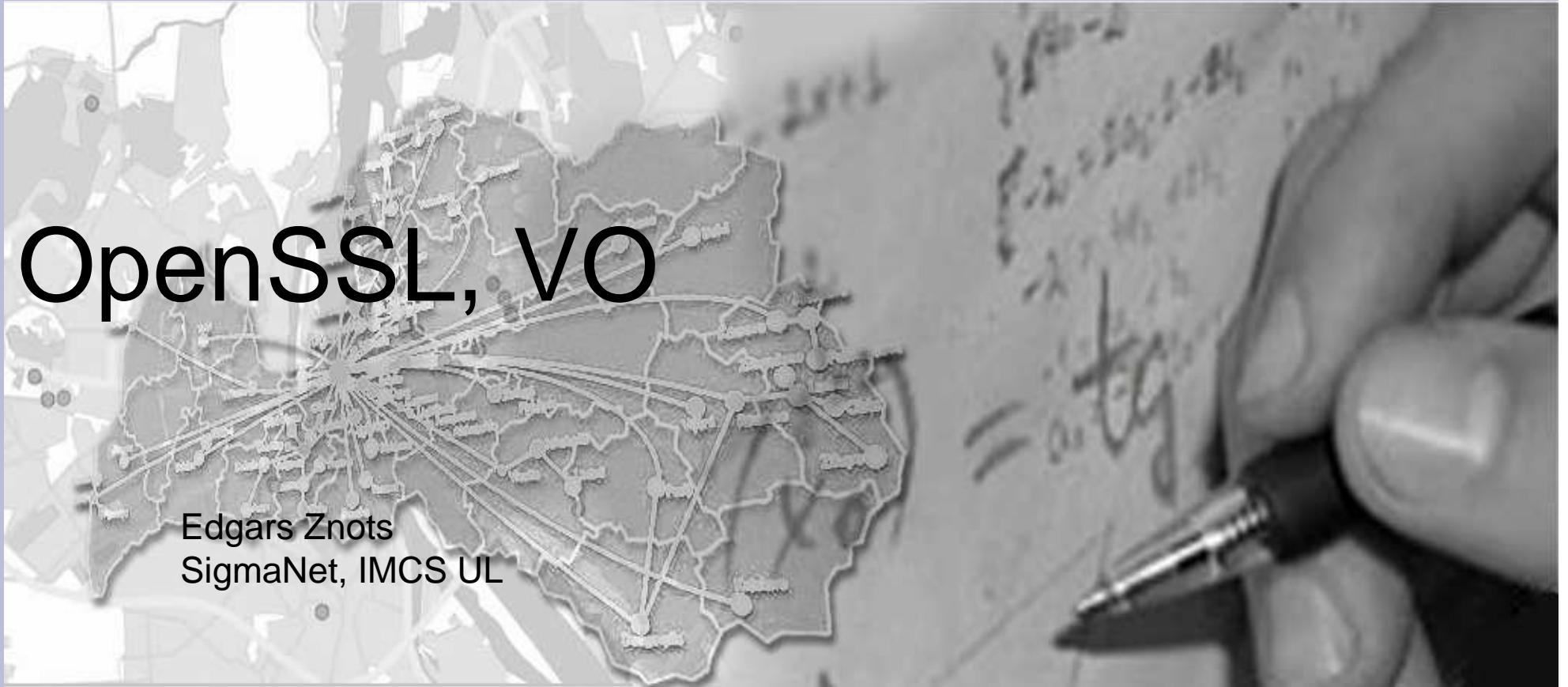


OpenSSL, VO

Edgars Znots
SigmaNet, IMCS UL



Saturs

- OpenSSL pakotnes uzstādīšana
 - Linux
 - Windows
- Sertifikāta pieprasījuma izveide
- Saņemtā sertifikāta ieimportēšana pārlūkprogrammā
- VO
- Piereģistrēšanās VO

OpenSSL pakotnes uzstādīšana

- Linux
 - Debian/Ubuntu: apt-get install openssl
 - RedHat/SuSE: yum install openssl
 - Uzmanīties no kļūdainas Debian OpenSSL pakotnes
- Windows 2000/XP/Vista
 - <http://www.sproweb.com/products/Win32OpenSSL.html>

Sertifikāta pieprasījuma izveide

- Lejupielādēt konfigurācijas failu:
 - <http://ca.balticgrid.org/BalticGridCA-user.cnf>
- Ģenerēt sertifikāta pieprasījumu
 - `openssl req -new -config BalticGridCA-user.cnf -out user-certrequest.out -sha1`
- Nosūtīt sertifikāta pieprasījumu RA
- Tikties ar RA un veikt autentifikāciju

Sertifikāta pieprasījuma izveide

```
Terminal — bash — 122x20
asaka:~ liga$ cd exampleasaka:~/example liga$ openssl req -new -config BalticGridCA-user.cnf -out user-certquest.out -sha1
Generating a 1024 bit RSA private key
.....+++++
.....+++++
writing new private key to 'userkey.pem'
Enter PEM pass phrase:
Verifying - Enter PEM pass phrase:
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Domain Component (org) [org]:
Domain Component (BalticGrid) [balticgrid]:
Domain of the Institution (domain.zzz) []:kompanija.lv
Common Name (John Smith) []:Janis Berzins
asaka:~/example liga$
```

Sertifikāta ieimportēšana pārlūkprogrammā

- Sertifikāta eksportēšana uz PKCS12 formātu:

- `openssl pkcs12 -export -in usercert.pem -inkey userkey.pem -out cert.p12`

- Eksportētā sertifikāta importēšana
pārlūkprogrammā:

- Internet Explorer

- Tools -> Internet Options -> Content -> Certificates -> Personal "Import"

- Firefox

- Tools -> Options -> Advanced -> Encryption -> View certificates -> Your Certificates "Import"

VO, reģistrēšanās BalticGrid VO


- Pēc sertifikāta importēšanas pārlūkprogrammā iespējams piekļūts VOMS mājaslapai:
 - <https://voms.balticgrid.org:8443/voms/balticgrid/>
- Nepieciešams aizpildīt visus nepieciešamos laukus un nosūtīt VO reģistrācijas pieprasījumu
- Pēc apstiprinājuma saņemšanas var izmantot sertifikātu autentifikācijas sesiju izveidei no UI datora

VO, reģistrēšanās BalticGrid VO

VOMS - Virtual Organization Membership Service

https://voms.balticgrid.org:8443/voms/balticgrid/webui/request/user/create

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 Virtual Organization Membership Service

The balticgrid VO Request to Administrators » requesting VO membership

REQUEST TO ADMINISTRATORS
REQUESTING VO MEMBERSHIP
LISTING REQUESTS
CONFIRMATION OF THE EMAIL ADDRESS

VO User Registration Request

To access the VO resources, you must agree to the VO's Usage Rules. Please fill out all fields in the form below and click on the appropriate button at the bottom.

After you submit this request, you will receive an email with instructions on how to proceed. Your request will not be forwarded to the VO managers until you confirm that you have a valid email address by following those instructions.

IMPORTANT: By submitting this information you agree that it may be distributed to and stored by VO and site administrators. You also agree 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 VO resources and that it may be used to contact you in relation to this activity.

DN: /DC=org/DC=balticgrid/OU=lumii.lv/CN=Liga Bardina
CA: /DC=org/DC=balticgrid/CN=Baltic Grid Certification Authority
CA URI: http://ca.balticgrid.org/bgca-crl.pem

Family Name:
Given Name:
Institute:
Phone Number:
Email:
comment:

VOMS Admin 1.2-19
Release 1
Copyright © 2003 CERN ELITE
on behalf of the EUGENE Project

You are logged in as "/DC=org/DC=balticgrid/OU=lumii.lv/CN=Liga Bardina"
certified by "/DC=org/DC=balticgrid/CN=Baltic Grid Certification Authority".

Done voms.balticgrid.org:8443