



**9<sup>th</sup> TF-ECS meeting**  
**18-05-2008**  
TNC2008, Bruges, Belgium  
Peter Szegedi

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### 1. Welcome and Apologies

Erik (TWIYO) and Fabio (SWITCH) welcomed the participants. There were 13 participants locally and two participants (Mihály Mészáros - NIIF, Lukas Macura – CESNET) tried to join remotely but it was failed because of the unexpected delay of the network. Fabio (SWITCH) asked for the general roll call.

### 2. Approval of Agenda

The agenda was slightly changed compared to the circulated one. The new agenda was:

- Open actions from the last meeting (Peter)
- Update on the NREnhanced Communications Server (Jan)
- DEMO (all)
- Roadmap (Erik)
- Update on the SIP Handbook 'the new Cookbook' (Erik)
- Regulatory issues (András)
- Future of the NRENum.net (Fabio)

The new agenda was agreed.

### 3. Minutes of Last Meeting and Update of Action List

Status of the actions from the last meeting (8<sup>th</sup> TF-ECS, Zurich, Switzerland):

Reference	Who	Action	Status
20080227-0.1	Peter	TF-ECS mailing list ownership	Done.
20080227-1.1	Peter	Submit cookbook proposal to TTC	Done, approved.
20080227-2.1	All	Move wiki content to voip-info.org	Not started yet, discussion required.
20080227-2.2	Peter	Correct reference to wiki	Done.
20080227-2.3	All	Comments on cookbook to Erik	Done.
20080227-2.4	All	Basic functional version of the server	Done, tested.
20080227-3.1	Peter	NRENum.net domain transition	Not started yet, URGENT issue.
20080227-4.1	Peter	TF-ECS meeting on TNC08	Done.
20080227-4.2	Erik	Reporting CA exchange problem in the cookbook	Open issue.
20080227-4.3	All	Create ECS CA for experimental purposes	Open issue.
20080227-5.1	Jan	Working on the server image	On going work.
20080227-5.2	Peter	Discussion about directory system	Document is prepared by GN2-SA6, please check.
20080227-5.3	All	Agreement on the next VC	Done.
20080227-6.1	All	Working on the server details	On going work.

#### 4. Update on the NREnhanced Communications Server

Jan (CESNET) held a presentation on the current status on the NREnhanced Communications Server image (please, check the slides distributed on the TF-ECS list on 18-5-2008 @ 14:15). The software components are: Debial Linux, Mysql, Apache2+PHP, Gatekeeper GnuGK (currently 2.2.7). SIP proxy OpenSER (currently 1.3.1tls – TLS by CESNET not from Debian repos), Asterisk (currently 1.4).

Jan (CESNET) noted that Debian is unstable but the latest updates are included. OpenSER is not TLS capable but the CESNET TLS is used. The Asterisk 1.6 is planned to use as soon as possible (latest SIP updates are included). Erik (TWIYO) said that the unstable Debian is not a big issue since it is not a production release just for testing. Jan (CESNET) said that it might be used by universities for 'testing' that means configuring things. Fabio (SWITCH) mentioned that it is the question of the release because: if it is stable we can release, but if it is not reliable enough, no way to release. Dimitris (GRNET) thought that the work on the stable Debian could be considered moreover, we should check which type of OS is used extensively. All agreed that the Debian is widely used and we are comfortable with that. Fabio (SWITCH) added that Debian becomes stable soon and we can release a stable version anyway. The conclusion was that we continue working on the unstable Debian with the updated features and when it will be stable we can finalise our work.

Jan (CESNET) talked about the possible server distributions: LiveCD, downloadable VMware image, repository with changes script and configs, (perhaps Web management?). Anders (UNIC) mentioned that we have the packages, we have to maintain them. Niels (SURFnet) asked about where to put the LiveCD. András (NIIF) answered that one of the best possible palace is

the GN2-SA6 website. Dimitris (GRNET) mentioned that there could be problem with the maintenance. We should put only a pointer from the GN2-SA6 website to the LiveCD placing somewhere else. The size of the image could be too big (~4G). It was agreed that the LiveCD is needed (e.g., for installation in the first time) and downloadable VMware is also needed. Updates from the repository and/or web management interface are optional (needed or not?). Backward compatibility won't be guaranteed, only separated complete releases. Jan (CESNET) will put a downloadable VMware to an FTP server. Lukas (CESNET) will check the other other distribution possibilities. András (NIIF) will check the SA6 possibilities.

Jan (CESNET) discussed the details of the dial plan, the SIP server, Gatekeeper, and Asterisk. The top level ENUM roots are signed for CZ/SK. Dimitris (GRNET) mentioned that we should use OH323 (newer/better) instead of the old version H.323. Further discussions on the progress of the SIP server side are required on the next meeting.

## 5. DEMO

The access details (SIP User, alias and H.323 numbers) have been distributed among the participants. All of the participants were able to login during the meeting. Asterisk echo test has worked, calling between SIP endpoints on OpenSER has worked, calling between H.323 endpoints on GNUgk has worked (together with the GNUgk web status overview). Calling between SIP and H.323 endpoints is in progress. Calling between PSTN and H.323 endpoints should work, not tested. Jan (CESNET) noted that the international number translation is needed on the GNUgk side (SIP side is done). Jan (CESNET) and Dimitris (GRNET) will work on that.

The conclusion was that he main functions are working, the open issues can be checked in the roadmap: <https://www.surfgroepen.nl/sites/terena/tf-ecs/Lists/Roadmap/Allitemsg.aspx>

## 6. Roadmap

Erik (TWIYO) discussed about the roadmap (updated on the fly). The main parts of the server image and the basic tests are done (see above).

Regarding the monitoring capabilities GN2-SA6 will determine functional specification. András (NIIF) said that SA6 will provide other monitoring nodes and the main purpose is to test the monitoring nodes (not end nodes). If Asterisk is integrated with these monitoring features, we have to know the numbers that we can use. New deadline for clarifying the monitoring issues is 15<sup>th</sup> of July, 2008.

Erik (TWIYO) asked about the web interfaces. Dimitris (GRNET) suggested that to change the title of the 'Web Interface Phase I' and 'Web Interface Phase II' items. The Phase I just shows who is registered (currently in GnuGK): <http://ecs.acad.cz/gk/vdir>. Monitoring the SIP subscriptions is the other mandatory thing. Dimitris (GRNET), Jan (CESNET) and Erik (TWIYO) will work on the SIP side. The Phase II web interface should be a management/provisioning interface, but it is optional.

There are 3 installation options for the VMware image: web-based, command line, nothing but cookbook. The final selection depends on the efforts. Erik (TWIYO) said that a Perl installation script is the best option but depends on the efforts needed to develop. In case of web-based

installation, the synchronisation between the cookbook and the web is required. Lukas (CESNET) can help based on Openphonyx experience. Nice to have, cookbook will help in the setup phase as well. Niels (SURFnet) will check the Greek Perl Script to determine effort.

On going action is the calling implementation between SIP and H.323 end points. Dimitris (GRNET) and Lukas (CESNET) will work on the H.323 channel to Asterisk.

All the deadlines for the roadmap items can be found on:

<https://www.surfgroepen.nl/sites/terena/tf-ecs/Lists/Roadmap/Allitemsg.aspx>

Dimitris (GRNET) asked that: what are the unique features of our distribution. Fabio (SWITCH) answered that the all in one solution is unique (two routing servers for two different protocols, plus a link between them). Erik (TWIYO) mentioned that our distribution helps the universities to have gatekeeper quickly. Peter (TERENA) will put an agenda item based on this discussion to the next meeting.

#### **7. Update on the SIP Handbook 'the new Cookbook'**

Erik (TWIYO) reported that there were no major comments on the previous cookbook version. Input to the licensing issues is needed (knowledge on the licensing models). Niels (SURFnet) maybe Jan (CESNET), Dimitris (GRNET) could help on that. Erik (TWIYO) said that the technical reference part is almost finished (ENUM part has to be finalised). The other parts of the cookbook depend on the server image details. Dimitris (GRNET) suggested that simplify the overview figure in the cookbook. Symmetry between the SIP and the H.323 sides and a link between them would be enough to depict.

#### **8. Regulatory issues**

Andr as (NIIF) summarised the conclusions of the TERENA regulatory workshop (March 2008).

#### **9. Future of the NRENum.net**

Fabio (SWITCH) said that the clarification of the future of the NRNEnum.net service is urgent issue, because Bernie (SWITCH) is going to leave SWITCH. All agreed that the service is useful fro the NRNEs, it has to be continued. Two issues are: ownership of the NRENum.net domain and the hosting & operation of the service. Peter (TERENA) mentioned that TERENA can take the domain ownership from Kewin (SWITCH). Niels (SURFnet), Andr as (NIIF), Dimitris (GRNET), Marco (CNR/GARR) will check the possibility to host and operate the service. It will be discussed by mails.

#### **10. Date of Next Meeting, AOB and Close**

Fabio (SWITCH) noted that this meeting might be the last face-to-face TF-ECS meeting.

Our next VC will be on 16<sup>th</sup> of June, 2008 @ 10:30-12:00.

There should be a discussion on the future of the TF-ECS. Fabio (SWITCH) mentioned the possible synergies with the new BoF proposal: DoyoutubeUtoo. Other discussions during the GN2 meeting in Berlin could be possible.

### Action List

Reference	Who	Action	Status
20080518-4.1	Jan, all	Further work on the Server image	On going issue.
20080518-4.2	Jan, Lukas, András	Clarify the possible VMware distribution options	Open.
20080518-5.1	Jan, Dimitris	International number translation on GNUgk side.	Open.
20080518-6.1	András, Erik	Specify the monitoring details	Deadline 15 <sup>th</sup> of July, 2008
20080518-6.2	Dimitris, Jan, Erik	Working on the SIP registration web interface	Open.
20080518-6.3	Lukas, Niels	Image installation scripts	Check.
20080518-6.4	Dimitris, Lukas	Work on the H.323 channel to Asterisk	Open.
20080518-6.5	Peter	Next agenda item on the usefulness	Open.
20080518-7.1	Niels, Jan, Dimitris	Licensing issues	Open.
20080518-7.2	Erik	Simplify the overview figure in the cookbook	
20080518-9.1	Peter	NRNEnum ownership	On going issue.
20080518-9.2	Niels, András, Dimitris, Marco, Peter	NRENnum operation	On going issue.

### List of Participants

Name		Affiliation
András	Kovács	NIIF/HUNGARNET
Claudio	Allocchio	GARR
Dimitris	Daskopoulos	GRNET - AUTH
Erik	Dobbelsteijn	TWIYO
Anders	Mundt Due	Forskningsnett/UNI-C
Avgust	Jauk	Arnes
Jan	Ruzicka	CESNET
Marco	Sommani	CNR-IIT
Bo	Stähle	Forskningsnett/UNI-C
Peter	Szegedi	TERENA
Niels	van Dijk	SURFnet
Fabio	Vena	SWITCH
Miroslav	Voznak	CESNET