

3rd TF-ECS Meeting

Athens, Feb 21st, 2007

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Version: 0.1

1. Welcome and role call

Erik and Fabio welcomed the participants to the third TF-ECS meeting. The list of participants is included in Appendix 1. A summary of the action items is included in Annex 2.

2. Action items from the last meeting

Catalin and Dimitris reported on Action Item 2.1. Several people recommended the use of Confluence wiki software via the tf-ecs mailing list. Dimitris took advantage of the web-based demonstration that Confluence offers and setup Cookbook demo site. He tried the PDF generation function but had yet to find a way of automatically exporting chapters in an ordered manner. Catalin applied for a free licence three days before the meeting. Action Item 2.1 to be maintained on the list, with action on Catalin to report on the licence and Dimitris to further investigate the PDF export options.

The minutes from the last meeting were accepted, pending small corrections to be made by Catalin.

3. Fabio reporting on the interviews

Fabio reported on the progress with the SIP deployment survey activities. Interviews already took place with GARR (Marco), CESNET (Jan), GRNET (Dimitris), SURFnet (Erik). He plans to interview all the NRENs that responded to the TF-VSS survey. Part of the preliminary findings from the responses to the survey are:

- Use of dedicated network connections (lightpath-based) for VoIP deployments is not to be foreseen in the near future (outside of NL; in NL there are deployments over lightpaths ; reason: security)
- The areas identified as having the most interesting activities include dialling plans and problems related to delegation of numbers
- Depending on the country strategy, foreseen VoIP deployments are in the range of 30000-40000 endpoints per country

Fabio will continue with the interviews. The aim is to describe the results of the interviews in a deliverable to be finished by TNC'07.

4. IP Telephony Cookbook

It was decided to make a list of the type of scenarios that were thought worth to be included in the Cookbook, and limit the introduction to setting the stage in a generic mode and include short descriptions of the recipes.

The role of the NREN in the context of VoIP deployments generated a lively discussion. On a case by case basis, the potential roles varied from just disseminating information about new technology and evangelising to transporting VoIP between the connected institutes and a telecom operator. This last role is currently held by HUNGARNET, and it is the direction FCCN will follow for their deployment. Jan – CESNET did it and decided to quit.

In view of the debate, it was decided that one of the scenarios would need to cover how to connect a VoIP deployment in an institution to a telecom operator via the NREN.

Fabio presented the SWITCH description on how to setup a SIP infrastructure in a university, available online at:

https://econf.switch.ch/econfportal/www/page_viewer/?id=/documentation/ecs/setup.html

It was decided to use the content of this page as the basis for the first scenario in the Cookbook.

Action Item 3.1 - ALL

Consider the scenarios in your NREN and add them to the cookbook.

Names of the people working on various items were assigned in the Cookbook table of contents edited by Dimitris; first person on the list is responsible for that particular topic. The document is temporarily available at (!!! Get doc from Dimitris and add URL here) before moving the content to the wiki.

5. Requirements

The discussion on the requirements for interconnecting SIP deployments were centred on security and trust relationships. The participants felt that SPIT is a great concern, and a trust relationship between the nodes will need to be established. It was decided that keeping a call as trusted should be made a requirement for the setup.

Two potential solutions for this were debated:

- Reverse domain checks (similar to SPF for email) to be included in the requirements. How the overall architecture could support this is left to the Work Item Architecture to decide.
- Stronger security could be provided by backtracking server certificates. It was proposed to add an attribute in the certificate stating for example “this is the SIP server for the domain”

There was no requirement to provide a guest service for people roaming at the location where they identify and connect to the network. The SIP service should be always

provided by the original institute, perhaps via a VPN or VPN-like connection requirement.

Action Item 3.2 - Erik

Erik to reformulate the text in the requirements, removing the need for guest services as described above.

The contact with people in TF-EMC2 on trusted nodes needs to be maintained. Jan announced he will attend the TF-EMC2 meeting in Florence at the end of March.

Erik suggested that Jan could also check the Internet2 PIC architectural framework and see what could be applied in a European scenario.

Action Item 3.3 - Jan

Jan to follow-up on Erik's suggestion to check what could be learned from the PIC architectural framework and applied in a European context.

6. International Collaboration

Need to start discussing with the SIP.EDU and PIC groups (Internet2). Fabio was asked by Kevin to present the TF at SURA ViDe conference in March.

Based on preliminary results from the survey, Fabio said that people showed interest in ENUM, but not in ESN. Marco thought that the compatibility with the ESN just required that the query be translated – he has already implemented this on his Asterisk server.

One solution would be to convince Internet 2 deployments to query the ENUM trees, and many of the participants announced their intention to query ESN in return.

Action item – Fabio and Erik – contact Internet 2 and mention this at ViDe

7. Stimulating local deployments

The participants agreed that a web page similar to the eduroam map may help providing an overview of the VoIP deployments at a European scale. It would also help keeping track of the ENUM delegations and also of SIP.EDU deployments. A simple database containing a list of institutes, ordered per country, and containing the name of the institute, its prefix number and that of the NREN that connects it would be enough. It was also agreed that automatic updates the database/webpage were required.

Text on the general discussion on how to stimulate these deployments. Conclusion: very local problem, we'll not take any action to stimulate deployments at the local level.

Action Item 3.4 - Catalin

Catalin to talk to Christian about accepting RSS feeds and putting them on a webpage containing deployments. The first example could use URLs from Jan (to be included!!!) and Dimitris (http://portal.gunet.gr/VoIP_custom/list.php).

Annex 1 – Participants in the meeting

Andras	Kovacs	NIIF/HUNGARNET
Cătălin	Meiroşu	TERENA Aristotle University of Thessaloniki
Dimitris	Daskopoulos	Thessaloniki
Erik	Dobbelsteijn	SURFnet
Fabio	Vena	SWITCH
Harri	Salminen	CSC / Funet
Jan	Ruzicka	CESNET
John	Martin	JANET
Jose M.	Fontanillo	RedIRIS
Lambros	Lambrinos	Cyprus University of Technology
Luis	Guido	FCCN
Marco	Sommani	CNR - IIT
Mihaly	Meszaros	NIIF/HUNGARNET

Annex 2 – Summary of the open action points

Action item 2.1. Catalin to pursue the Confluence licensing issue. Dimitris to investigate the PDF export options.

Action Item 3.1 - ALL

Consider the scenarios in your NREN and add them to the cookbook.

Action Item 3.2 - Erik

Erik to reformulate the text in the requirements, removing the need for guest services for roaming users.

Action Item 3.3 - Jan

Jan to check what could be learned from the Internet 2 PIC architectural framework and applied in a European context.

Action Item 3.4 - Catalin

Catalin to talk to Christian about accepting RSS feeds and putting them on a webpage containing deployments.

Action item for Erik – send around the report; which was sent during the meeting.