

TF-Mobility Minutes

14 June 2006 - Catania, Sicily

Introduction

Klaas welcomed the attendees and chaired the meeting alone (David Simonsen could not attend this meeting).

Main aim of the meeting was to discuss the current status of the task force at the end of the mandate and to discuss items for a future TF-Mobility mandate.

The list of deliverables and the related work items was reviewed.

Deliverables list

Klaas went through the list of deliverables that the group committed to produce in the four areas of work identified at the beginning of TF-Mobility (Sep 2004).

a. Next Generation

- XML schema. Miroslav was responsible for this deliverable; he reported that an XML tool to display the status of the various RADIUS servers has been implemented and it is working in Croatia. The tool works properly, but it is currently only available in Croatian. An international version will be available by end of July.

ACTION: Miroslav to circulate the English version of the RADIUS status XML tool.

b. End Users Mobility

- iPass roaming service for NRENs – At the beginning of 2005, UNI-C made an agreement with iPass. In order to allow eduroam-enabled users to access iPass using the same eduroam credentials, UNI-C had developed a software to act as interface between the users and iPass. Other NRENs had also joined the pilot via UNI-C. It is not clear whether UNI-C intends to extend the agreement with iPass.

- Access point database – To ease users to find eduroam hotspots, it was thought to set up an access point database. Some specification for the access point database was circulated by Klaas (in 2005), but there has not been a real follow-up.

- eduroam dissemination - Lots of work has been done to disseminate eduroam, via EuroCAMP and other related TERENA events. At national level the NRENs involved in eduroam have produced quite a variety of PR material.

- eduroam website – Klaas pointed out the eduroam website requires some work. The information available is sufficient to provide some general information, but does not provide proper support (in terms for instance of configuration files, settings etc) for people that want to join eduroam. More work is needed and this could be better done by more people. An idea could be to use some content management system and assign responsibilities to people to handle the various contents.

c. Managing and Monitoring- Jan Tomášek (CESNET)

Jan presented the monitoring tool developed to test the RADIUS infrastructure in the Czech Republic. This tool allows for end-to-end tests on the whole eduroam infrastructure.

It was asked how the system would scale for thousand of servers/realms. An approach of performing only random tests (or some ad-hoc tests when needed) instead of testing all realms against all RADIUS servers was proposed to reduce the possible overload of the system.

One of the problems that this approach raises in the case of inter-federation tests is the need to grant test-account to verify the status of the various RADIUS servers in different eduroam federations.

For more information, please refer to the Jan's slides:

(<http://www.terena.nl/activities/tf-mobility/meetings/12/slides/tf-mobility-catanie2006.pdf>).

d. Deployment Issues

Two solutions have been delivered to support the deployment of eduroam:

- all-in-a-box – This solution was developed by DFN when TF-Mobility just started. At the time it was not decided which of the roaming solutions (VPN, Web-based redirection, 802.1X) the group would choose. DFN all-in-a-box tool was developed to implement the three roaming solutions in a single box.

The English documentation about all-in-a-box has not been finalised and the webpage (produced by DFN) where to find information is available only in German.

- eduroam-in-a-box – The software (open software) has been developed by Arnes. eduroam-in-a-box is dedicated tool that supports system admins during the implementation of eduroam.

The official eduroam-in-a-box webpage is: <http://eduroam.sourceforge.net/> .

Enabling secure delegation of National RADIUS Proxy servers task - Josh Howlett (University of Bristol)

Josh presented the web-based tool he developed to support eduroam participants to test their organisations' configurations. The tool allows verifying whether a user is able to connect to eduroam in his own institution.

Josh also reported about eduroam client (a GUI for the wpa_supplicant), which was supposed to be developed by UKERNA by the end of 2005. The initial need to have an eduroam client was to support users when UKERNA dismissed the web-based redirection in their roaming infrastructure. UKERNA are still planning to develop such a client but this was put on hold to focus on the launch of the JANET Roaming Service (eduroam.UK).

Charter discussion

A discussion followed to identify the topics for the new TF-Mobility charter.

Miroslav suggested having dynamic monitoring as one of the topics.

Tomasz said that the group lacks a real experience in case of incident, which could be gained having some test-bed.

Another topic could be RadSec specifications as suggested by Stefan.

Mobile network was also discussed as a possible topic, but the conclusion was nobody on the group can commit to work on this.

The comments were gathered and it was agreed that Klaas, Licia and David would circulate a new version of the charter and to finalise this by the end of June 2006.

Updates from the group

CARNet/SRCE reported about "Mobile CARNet service", which offers GPRS/UMTS connectivity for A&R community (exclusively) via commercial ISP with AuthN through the AAI@EduHr radius hierarchy.

The service started in the spring 2006 and seems to be successful.

SWITCH reported about the SWITCHmobile project which is progressing very well and which should connect (by the end of the year) all the universities in Switzerland.

Summary of the Actions

Action200605-01: Miroslav to circulate the English version of the RADIUS status XML tool.

Action200605-02: Klaas-David-Licia to circulate by the end June 2006 a draft version of the new TF-Mobility Terms of Reference