

## **TF-Mobility Meeting**

**12 January 2007**

### **Introduction and round table**

A round table of the attendees took place.

### **eduroam SA**

The first part of the TF-Mobility focused on discussing eduroam transition to service. The notes from this meeting were circulated by Juergen Rauschenbach and are provided as a separate document.

During the discussion Josh Howlett (UKERNA) pointed out that he was not aware of the cut-off date to eliminate web-redirect was fixed as 1 October 2007 and therefore UKERNA quite likely will not be able to make the deadline.

The fact that web-redirect would be phased out was known to the entire group, but apparently not everybody was aware of the deadline.

A discussion took place and it was agreed UKERNA to produce a letter of intent and to sign the policy as soon as they are ready to match the requirements imposed by the eduroam policy.

### **Secure W2 update – Klaas Wierenga**

Klaas informed that Alfa&Aris (the company that developed Secure W2), split up. A new company, , called Secure W2, has been created. The new company will focus its work on the enhancement of Secure W2.

Secure W2 will remain open source and some new features of the software are expected, such as support for Vista and better installation interface.

Klaas asked the group to compile a list of 'nice-features' to have for Secure W2, in order to discuss them with the developers.

Action: everybody to provide feedback on the SecureW2 features that would be handy to have.

## **RadSec Update - Stefan Winter**

Stefan presented the last inside on RadSec developments.

The document with the full description was circulated on the JRA5 list.

Stefan also reported that an European test to replace RADIUS with RadSec will start very soon. Participating countries are: Switzerland, Portugal and Luxembourg.

The Netherlands is already using RadSec (for some of servers) in production for a while.

## **RadSec Proxy – Stig Venas**

Stig developed a generic proxy to connect RADIUS and RadSec. The proxy converts the RADIUS protocol (UDP) into RadSec protocol (TLS/IPv6).

Stig asked volunteers to test the software, which currently works only for Linux.

## **eduroam current issues – Milan Sova**

eduroam infrastructure is based on RADIUS technology, selected initially from evaluating the available technologies.

To date RADIUS infrastructure is used to provide:

- trust fabric
- routing infrastructure, where the routing is based on DNS-like schema
- transporting method for AA credentials. RADIUS protocol (UDP) is not really secure and therefore EAP is needed to provide security.

Milan presented some ideas to move away from the current situation:

- Removing the routing infrastructure. This could be done implementing a dynamic peering discovery.
- Using PKI or eduGAIN to build the trust fabric.
- Changing the transport protocol using IPsec, RadSec or SAML assertions.

Milan concentrated on scenario of using PKI as trust fabric back-end, which would mean no need of transporting credential and no need for the routing infrastructure. The usage of PKI would make Web authentication safe.

The drawback would be that each eduroam federation should set-up their PKI.

A discussion followed on the fact that replacing RADIUS with a PKI infrastructure would mean distributing end-users certificates, which has proved very hard so far.

## **Work Items updates**

Support for the development of the next generation eduroam - Stefan reported that most of the work was spent on the RadSec specification and therefore not a lot has happened on this topic.

Metering and Statistics – Not a lot has happened. Miro asked people for contributions.

**Action:** Miro to draft an email to request contributions from the group.

New mobile technologies – A new activity has started within UKERNA to study how new technologies (mobileIP, IPv6) can be used for eduroam.

## **Request from other countries joining eduroam**

Klaas reported that he was approached by some institutions in San Salvador, which expressed interest in joining eduroam.

Cyprus has requested to join and Morocco has requested information on how to join.

## **Website**

Everybody agreed that the eduroam website could be improved. Licia said that a content management system has already been installed by Klaas. In the next months the current eduroam web-site will be moved to the new content management system, on which each work item leader will get an account to update the content.

**Action:** Miro, Licia, Klaas and David agreed to have a meeting in February to come up with the structure for the new eduroam site.

## **NRENs Update**

CARNet/SRCE - A client is being developed to provide monitoring and other related information. A Debian release for this client will be available in March.

RedIRIS – The activity focused mainly on the deployment of eduroam, connecting new institutions.

RESTENA – Nothing new to report

ARNES – The deploying of eduroam in the country was part a programme of the local ministry. The programme has been completed successfully. This required enforcing a centralised LDAP system at university level.

CESNET – New members have joined. Some developments took place on the monitoring side.

PNSNC – More institutions joined. The aim is to switch the top level from RADIUS to RADIATOR to connect to RadSec.

UKERNA – Nothing new to report.

HUNGARNET – Nothing new to report

GARR – eduroam deployment in Italy is still on hold, due to some problems with the current laws in the country. GARR aims to participate more actively in the work, as more resources will be available.

IRELAND – Two universities are connected, but the aim is to deploy eduroam widely.

SWEDEN – Just started the AAI federation, which is expected to speed up the deployment of eduroam.

SURFnet – New developments on mobile presence etc.

### **Next Meeting**

The next meeting will take place on:

- 2 May (afternoon) - 3 May (morning). Josh will check the possibility of hosting the meeting in London.

As back-up option the meeting might take place during TNC on Thursday aft – Friday morning.

### **Summary of the Actions**

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|------------------|---|
| Action2007-01-01 | Miro to draft an email to request contributions from the group  |
| Action2007-01-02 | Miro, Licia, Klaas and David agreed to have a meeting in February to come up with the structure for the new eduroam site. |
| Action2007-01-03 | Josh to verify the possibility of hosting the next TF-Mobility meeting in London.   |