

# JANET Development Update Bulletin

February 2007 Edition 1.0



## UK ACCESS FEDERATION

The UK Access Management Federation was officially launched on 30 November 2006, giving organisations a single solution to access on-line resources, and membership of the federation has grown steadily since the launch.

All current members of the SSDS Federation who wish to become members of the UK Access Management Federation have until on 30 March 2007 to apply to join the new federation. The existing Athens service will cease to be funded after July 2008 and will then become a chargeable service. In the interim, organisations may use dedicated gateways to interconnect between Athens and the UK Access Management Federation resources although they will still be required to become a member of the federation.

Further information and details of membership can be found at: <http://www.ukfederation.org.uk>



## JANET SERVER CERTIFICATES

With effect from November 30 2006, UKERNA is able to offer 2 types of server certificates to its customers. The certificates will allow the safe transfer of sensitive information through encrypted communications using SSL protocol. Organisations wishing to apply for the certificates will need to be running a server in the ac.uk domain. Further details and information on how to join can be found at: <http://www.ja.net/latest/news/2006/scs.html>



## INTERNATIONAL COLLABORATION

JANET will be funding a programme of collaborative work within the international community. The funds are available to support small-scale, relatively short-term activities to encourage the JANET community to get involved in work which is relevant to both international networks and JANET development programmes.

For example, funding could support the direct involvement in an international or collaborative project. It could fund the cost of a visit and/or presentation of a paper at an international forum or meeting by a member of the JANET community who has worked in a relevant area.

If you are interested in exploring this opportunity, please take a look at the JANET web page for further details. <http://www.ja.net/development/int-collaboration/index.html>



## IPV6

IPv6 is the new version of IP (Internet Protocol) underpinning all Internet communications. Eventually, it will supersede the current version, IPv4, to accommodate the rapid growth of the Internet, however for the coming years both protocols will coexist on the same networking infrastructure.

UKERNA has successfully deployed native IPv6 on the JANET network and it is running alongside the IPv4 service. Currently, UKERNA is providing support and guidance to regional networks and JANET connected organisations to deploy IPv6 support within their networking infrastructure.

The plan is to introduce IPv6 into the JANET Backbone SLA (Service Level Agreement) by July 2008.

Further information can be found at: <http://www.ja.net/development/ipv6/index.html>



## JANET VOICE SERVICE

Over the last 18 months UKERNA have been investigating the possibility of launching a VoIP service for the JANET community. As a result of community consultation, and technology trials UKERNA have launched a procurement for infrastructure equipment to provide a SIP based JANET Voice Service. It is envisaged that the service will provide a rich collaboration environment within which users can make use of tools such as shared whiteboard, chat, voice and video. The service will also provide conference bridging facilities for both VoIP and PSTN users. UKERNA are also investigating the potential of providing PSTN breakout as part of the service, if possible this service element will be included as part of the service which will be launched in Summer 2007.

A Voice advisory service was launched on 18 December 2006 to give wide ranging and vendor-independent advice on technologies and implementation of all aspects of Voice over IP (VoIP) and IP Telephony. Typical areas in which the service is able to provide independent technical support to institutions are; interconnecting traditional PBX equipment over network links using IP, implementing IP telephony, utilising VoIP in the form of MSN, AOL, GoogleTalk, Skype etc.

For further information, please see:  
<http://www.ja.net/development/voip/index.html>



## CONTENT REQUIREMENT STUDY

UKERNA has seen a significant increase in JANET connected sites making use of IPTV technologies. A number of sites now deliver IPTV services to residencies, and throughout campuses, providing a more flexible delivery medium than is currently offered using traditional coaxial television cabling. In general the use of data networks to provide a services such as IPTV and Voice, removing the need for separate television and telephony networks, is becoming more commonplace. This “convergence” of services is particularly prevalent in new buildings.

This growth and change of use within the JANET community is an exciting opportunity to make moving pictures an every day technology. To ensure that any requirements for services to support user requirements, UKERNA are undertaking a requirements gathering exercise focusing on the following technology areas:

- IPTV
- Student Television
- Central Content Storage

This exercise comprises of both a series of interviews with key JANET community representatives, and a wider questionnaire. The results of this exercise will be used as a foundation on which to develop any future services, so as much input as possible from the JANET community would be welcome.

The preliminary finding of this exercise which is being undertaken on behalf of UKERNA by Alex Roberts, Web Development Officer at the University of Wales Swansea will be made available at Networkshop 35.

## FURTHER INFORMATION

For further information, please contact JANET Service Desk:

Telephone: 0870 850 2212  
Email: [service@janet.ac.uk](mailto:service@janet.ac.uk)  
Website: <http://www.ja.net/development/index.html>  
Mailing list: <http://www.jiscmail.ac.uk/lists/JANET-DEVELOPMENT.html>