



Internet2 (R) Members Update June 2004

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The monthly member updates are archived at: <http://members.internet2.edu/memberupdates/>

◇ Fall 2004 Internet2 Member Meeting

The following Calls have been distributed for the Fall 2004 Internet2 Member Meeting, scheduled for September 27-30 in Austin, Texas:

+ Call for Proposals – Deadline Extended!

The Fall 2004 Member Meeting Program Committee is now accepting proposals for concurrent sessions at the 2004 Fall Member Meeting in Austin, Texas, 27-30 September 2004. Members are encouraged to circulate this Call to others on campus, in their organization, and elsewhere within the Internet2 member community. The deadline is 7 June 2004.

<http://events.internet2.edu/2004/fall-mm/callforproposals.html>

+ Call for Demos – Deadline Extended!

Internet2 university members, corporate members, affiliate members, working groups, international partners, and ITECs are all invited to participate in the demos. Applications from all disciplines are welcome. The primary objective is to showcase network-intensive applications that demonstrate the reality and the potential of Internet2 environments. We're also interested in selecting several demos that can be presented during Member Meeting track sessions. The deadline is 11 June 2004.

<http://events.internet2.edu/2004/fall-mm/callfordemos.html>

+ Call for Posters Announced

All Internet2 members and international MoU partners are invited to submit proposals for poster sessions at the Fall 2004 Member Meeting. Poster sessions are a purposely low-tech forum for the exchange of information and ideas about collaborations, projects and works-in-progress. Stories are conveyed by the use of graphs, diagrams, pictures, data, and narrative text--all displayed on ~4' x 3' corkboard. Participants discuss their presentations informally with meeting attendees. Each poster session proposal must contain the title, organization name, brief abstract, and contact name and email address. Send submissions to <postersession@internet2.edu> by 2 July 2004. Notification will be sent by 26 July 2004. Space is limited. For more information contact Ellen Vaughan <evaughan@internet2.edu>.

<http://events.internet2.edu/2004/fall-mm/callforposters.html>

+ Call for Sponsors

Internet2 is seeking sponsorship contributions for several Fall Member Meeting activities. Sponsors are needed for three evening events: the international reception, which will be held at the hotel the evening of 26 September; the welcome reception, also at the hotel the evening of 27 September; and the gala reception on 28 September, location to be determined. Sponsors will be acknowledged via signage at the event site, in the published meeting program, and on the meeting web site. We are open to suggestions regarding other ways to acknowledge generous support. For more information please contact Ellen Vaughan <evaughan@internet2.edu>.

<http://members.internet2.edu/EventSponsorship.html>

+ Corporate Perspectives Forum

All Internet2 corporate members are invited to submit proposals for presentations in the Corporate Perspectives Forum to showcase engagement with the Internet2 community. The session format is at the discretion of the presenter. Expected formats include: briefings, informal discussions, case studies, product/technology directions and customer feedback sessions. A \$200 fee will be charged to cover costs associated with these presentations. Proposals must contain the title; organization name; brief abstract; presenter name, title, and email address; and a contact name and email address. Send proposals to <evaughan@internet2.edu> by Friday, 2 July 2004. Notification will be sent by Monday, 2 August 2004. Space is limited. For more information please contact Ellen Vaughan <evaughan@internet2.edu>.

<http://events.internet2.edu/2004/fall-mm/corp-perspectives.html>

<> Internet2 Workshops

+ First SIP.edu Implementors Workshop, 16 June

The Internet2 SIP.edu project is promoting the convergence of voice and email identities, is growing SIP-reachability within Internet2, and is building a community of Internet2 schools that are developing and deploying campus SIP services. In one year, the project has extended SIP reachability to nearly 100,000 users at four universities, attracted corporate sponsorship, and published a "cookbook" to lower the implementation hurdle for others. The goals for the First SIP.edu Implementors workshop are to build a knowledge base for organizations interested in deploying SIP.edu; investigate areas that the SIP.edu community should pursue in order to leverage SIP as a core technology for new communications services and collaboration applications; expand the leadership group for SIP.edu; and chart a course for scaling up SIP service deployment. The workshop will be hosted by University of Pennsylvania and takes place in Philadelphia, PA.

<http://voip.internet2.edu/SIP.edu/>

+ CAMP Shibboleth Implementation Workshop, 28-30 June

The CAMP Shibboleth Implementation Workshop provides CIOs, IT architects, directors, technical librarians, technical staff, and others concerned with sharing resources among institutions the opportunity to come together to discuss the planning, policy, and federation requirements associated with implementing Shibboleth, as well as the technical specifics of deploying it. The workshop takes place in Broomfield, CO.

<http://www.educause.edu/conference/nmi/2004/camp042/>

+ Advanced CAMP Authority Architectures Workshop, 30 June-2 July

The Advanced CAMP Authority Architectures Workshop provides IT architects with the opportunity to discuss the development of campus and interrealm authority architectures and related systems. Topics include work in privilege management systems and Grouper, an architecture and suite of tools to manage groups across applications and user communities. Additional sessions will consider policy decision points and enforcement issues, as well as enabling authorization for simple applications. The workshop takes place in Broomfield, CO.

<http://www.educause.edu/conference/nmi/2004/camp043/>

+ Joint Techs Workshop, 18-22 July

The ESCC/Internet2 Techs Workshop will be held this summer at the Fawcett Center, The Ohio State University, in downtown Columbus. Hosted by the Ohio Valley Internet2 Consortium, the workshop will offer a combination of tutorials, plenary presentations, in-depth sessions and BoFs. The summer workshop will take a look at the implications of the coming revolution in optical (switched) networking and National Lambda Rail and other local, regional, or extra-regional user-owned networks. Online registration is available on the Internet2 website. To organize a BoF or give a presentation, contact either E. Paul Love

<epl@internet2.edu> or W. R. Wing <wrw@ornl.gov>.
<http://jointtechs.ornl.gov/index.html>.

◁ **Internet2 Webinar: Deploying and Supporting Federations**

Internet2 corporate members are encouraged to participate in the Internet2 Webinar "Deploying and Supporting Federations" on 22 June at 11:00 am EDT. Internet2 Webinars are "low-tech" seminars on advanced networking topics designed to address issues facing corporate members. With just a phone and a web browser, participants can join this interactive, educational forum featuring presentations by industry and academic experts. During the 22 June Webinar, Ken Klingenstein, Internet2 director of Middleware and Security, and other presenters will discuss real-world practices for deploying and supporting federations and approaches to addressing the challenges of federated administration.
<http://webinar.internet2.edu>

◁ **Industry Strategy Council Meeting**

The Internet2 Industry Strategy Council Meeting was held 16 April. The Council addressed Internet2's strategic direction and the role of industry in areas including cyberinfrastructure, digital media, optical networking, fiber initiatives, international connections, middleware, network security, and technology transfer. Presentations on topics discussed at the meeting are available at
<http://www.internet2.edu/about/isc.html>

◁ **International Update**

+ KOREN/KREONET2 (Korea) Enhanced Peering to Internet2 Abilene Network

On 25 May 2004, the national research networks of Korea, KOREN and KREONET2 announced they have expanded their connectivity to North America via a trans-pacific 1.2 Gbps link to the Pacific Wave Seattle facility and from there to the StarLight facility in Chicago via Canada's optical research network CA*net 4. At the Pacific Wave facility, KREONet2 and KOREN also peer with Internet2's Abilene network at 1 Gbps. At the StarLight facility, both networks are reachable via Abilene's 10Gbps connection to the StarLight facility. KOREN/KREONet2 and Abilene have been interconnected as peer networks since June 2001. An international partnership agreement (MoU) has been in place between the Korean advanced research and education networking community through the Advanced Network Forum (ANF) and Internet2 since 2000.

<http://www.kreonet2.net>

<http://www.koren21.net>

+ Latin America Partners Actively Promoting Advanced Networking and Applications

During April and May, Internet2 international partner organizations in Brazil (RNP), Chile (REUNA), Mexico (CUDI), and Venezuela (REACCIUN2) held their respective annual meetings. The meetings brought together leaders, network specialists, researchers, users and international speakers to discuss and promote the innovative use of advanced networks and to share experiences and updates on the latest technologies and advanced applications in their countries. Conference programs, proceedings and presentations are available at:

CUDI

http://www.cudi.edu.mx/primavera_2004/index.html

REUNA

<http://encuentro-internet2.reuna.cl/>

RNP

<http://www.rnp.br/wrnp2/2004/>

REACCIUN2

<http://www.reacciu2.edu.ve>

◁ **Middleware Update**

+ Shibboleth

- Shibboleth v1.2

Shibboleth release v1.2 is now available from the Shibboleth Project web page. This release is compatible with two previous releases of Shibboleth v1.0 and Shibboleth v1.1. The new release includes increased

configuration flexibility in a complex multi-federation world; enhancements that are specific to the Shibboleth Target; enhancements to the Shibboleth Origin; and improvements to operational support. Work is underway on both a native java target implementation and a web-based ARP GUI, but neither of these is included with the v1.2 release.

<http://shibboleth.internet2.edu/>

- Shibboleth-Enabled Applications and Resources Web page

In response to suggestions from our members we have published a web page with Shibboleth-enabled Applications and Resources Information. The page lists organizations/services that are committed, interested, or have been requested to Shibboleth-enable their services. Information includes organization URL, contact, and status of Shibboleth implementation (planning, development, testing, and production). If your organization would like to be added to this page please contact George Brett <ghb@internet2.edu>.

- ISC Core Middleware Program Announcement

Shibboleth is included in 8 out of the 15 recently announced UK Joint Information Systems Committee (JISC) projects in the Core Middleware Technology Development Program. The Internet2 MACE-Dir Working Group is involved as a partner within the program. The Core Middleware Program page is at http://www.jisc.ac.uk/index.cfm?name=programme_middleware

+ NSF Middleware Initiative (NMI)

New NMI Release

NMI-R5 released on 24 May, includes two new components from the EDIT Consortium: Local Domain Person Object Class Study (Draft Results) and Grouper Phase 1 Specifications (Draft) and revisions to or new versions of: A-Select v1.3.1, Cosign v1.6.1, Look v1.0, OpenSAML v1.0, PERMIS 1.4, Pubcookie v3.1, Shibboleth v1.2, and Video Middleware Cookbook - Directory Services for Multimedia Conferencing v1.0. For more information on the released components, visit:

<http://nsf-middleware.org> or

<http://www.nmi-edit.org/development/index.html>.

+ MACE-MLIST

The newly-formed MACE-MLIST Working Group focuses on Middleware-Enabling Mailing List software, with an emphasis on directory integration and federated authentication/authorization. The group is currently developing a survey to identify desirable mailing features. The survey will be sent to central and departmental IT organizations and large virtual organizations; survey results will be used to map existing systems to the desirability matrix and select an open source system to be modified accordingly. New members are welcome to join.

<http://middleware.internet2.edu/mlist/>

+ Signet Working Group

Signet, the newest MACE Working Group, will focus on developing a "privilege management recipe" document describing privilege management concepts and deployment methods. It will also produce a software toolkit that can be used by organizations to deploy their own privilege management service. All interested Internet2 members are eligible and welcome to participate.

<http://middleware.internet2.edu/signet/>

<> **Security Update**

Security Professionals Meeting

The second annual EDUCAUSE/Internet2 Security Professionals Workshop took place 16-18 May in Washington, DC, and proceedings will be available online soon. The conference was well attended, with almost 250 attendees. Plans are already in progress for next year's conference, which is scheduled for 3-5 April 2005.

<http://www.educause.edu/conference/security/>

SALSA (Security at Line Speed)

The two new SALSA Working Groups, NetAuth and Arch, are now underway. Regular biweekly teleconference meetings for the two Working Groups have begun. You are encouraged to join the discussion of these important issues pertaining to security of networks. To get involved or for more

information, see:

<http://security.internet2.edu/>

◁ End-to-End Performance Initiative (E2Epi)

+ E2E piPEs (End-to-End Performance Initiative Performance Environment System)

- Network Diagnostic Tester (NDT) Integration

Efforts continue to improve NDT code and documentation. Recent work has included bi-directional throughput testing and working with the enhanced Web100 kernel.

- One-way Latency Measurement (OWAMP) & Bandwidth Control (BWCTL)

There is ongoing development of OWAMP and BWCTL intended to fix a number of known bugs and add new functionality. Both will be released in the coming weeks. Several campuses (the ITECs) and government labs (associated with ESnet) are actively engaged in setting up OWAMP and BWCTL beacons.

- Network Diagnostic Tester (NTP)

NTP data is now being collected for the Abilene network. This data will enable better understanding of the current Abilene OWAMP data and shape future development of the tool.

- H.323 Beacon

E-module code, written by RNP VoIP group in Brazil, is being integrated into the H.323 Beacon, which will enable the H.323 Beacon to make automated assessments of user-perceived quality for various audio codecs. It also can be used in measurement infrastructures for regularly scheduled tests to determine voice grade capabilities on the Internet backbones.

http://www.voip.nce.ufrj.br/index_caller_en.htm

A whitepaper on H.323 Beacon, with Use Studies and a list of proven best practices for trouble free videoconferencing is available at:

<http://www.itecoho.org/beacon/whitepaper.pdf>

- E2E piPEs Documentation:

Updated man pages are available for One-way Latency Measurement (OWAMP)

<http://e2epi.internet2.edu/owamp>

Bandwidth Control (BWCTL)

<http://e2epi.internet2.edu/bwctl>

Network Diagnostic Tester (NDT)

<http://e2epi.internet2.edu/ndt>

+ Internet2 Commons

The Internet2 Commons welcomes two new corporate sponsors, Tandberg and First Virtual Corporation, who will be contributing to the Commons H.323 efforts. The Commons has begun to raise community awareness of both the traditional service and the backup service that is currently available.

<http://commons.internet2.edu/>

◁ Applications Update

MIT and Collaborators Achieve e-VLBI Transmission Milestone

Very-Long-Baseline Interferometry (VLBI) is one of the most powerful techniques for high-resolution imaging of distant radio sources in the universe and for making accurate measurements of the motion of the earth in space. On 25 March, the first-ever successful real-time international transmission and processing of VLBI data was conducted between Haystack's Westford antenna in Massachusetts and the Onsala Space Observatory antenna in Sweden. Data from the Onsala observatory were transmitted over the GEANT network to New York and then over Internet2's Abilene Network to the Haystack Observatory. Although the data streamed at relatively low bandwidth (32 Mbps), it was still a milestone demonstration of real-time correlation of data from two antennas simultaneously. Using Internet2's open source End-to-End Performance Initiative Performance Environment System (E2E piPEs) BWCTL (Bandwidth Control) component and intermediate BWCTL beacons in Washington and London, researchers at Haystack could

run tests between them to assist in diagnosing transcontinental network problems during the experiment.
<http://science.internet2.edu/vlbi.html>

◁ **K20 Initiative Update**

+ Announcing the New K-20 Videoconference Cookbook

The Video Development Initiative (ViDe) has released another update and continues evolving this resource in response to the interest and demand for balanced reference material on the implementation of IP video conferencing. If you are new to this subject and the Cookbook, we hope you find it easy to use and that the Cookbook helps ease your entry into a growing and most promising use of the Internet. To view the videoconferencing cookbook, please see:

<http://www.videnet.gatech.edu/cookbook/>

◁ **Future Internet2 Events**

+ Summer Joint Techs Workshop, Columbus, OH, 18-22 July - hosted by the Ohio Valley Internet2 Consortium

+ Fall 2004 Internet2 Member Meeting: Austin, TX, 27-30 September

◁ **Internet2 Days**

Hold an Internet2 Day for your Internet2 member organization. Technical support for live demonstrations and informational materials are available. For more information contact Marianne Smith

<melser@internet2.edu> or see:

<http://apps.internet2.edu/Internet2-Days.html>

◁ **Showcase and Spotlight Opportunities - Projects and People**

A Showcase on the Internet2 Web site is a great way to highlight the milestones, events, collaborations and efforts that are a result of your work in the advanced networking community. You are also encouraged to submit a profile of anyone in the Internet2 community whose efforts merit notice. Include a brief description (less than 100 words), all appropriate links and images, and contact information. If you have suggestions about projects, people or news that might be featured, please contact Adam Csillag <acsillag@internet2.edu>.

◁ **Internet2 Related Events**

+ Online Calendar

For a complete listing of events for and of interest to the Internet2 community, see the online Internet2 Calendar. Be sure the Internet2-related event you are holding or know about is listed at:

<http://events.internet2.edu/calendar/main.php>

If you are holding an event of any kind related to Internet2, we will be glad to assist members with resources such as printed publications, equipment or speakers. Please contact Marianne Smith for more information <melser@internet2.edu>.

+ Terena Networking Conference

7-10 June

Rhodes, Greece

<http://www.terena.nl/conferences/tnc2004/>

+ IPv6 Summit 2004

14-18 June

Santa Monica, CA

<http://www.usipv6.com/agend.shtml>

+ SUPERCOMM 2004

20-24 June

Chicago, IL

<http://www.supercomm2004.com/>

+ BECON/BISTIC 2004 SYMPOSIUM: Biomedical Informatics for Clinical Decision Support

21 – 22 June
Bethesda, MD
<http://www.becon.nih.gov/symposium2004.htm>

+ APAN Annual Meeting
2 - 7 July
Cairns, Australia
<http://apan.net/meetings/cairns2004/>