



Internet2(R) Members Update August 2003

- ◇ Joint Techs Meeting and Netcast Information- August 3 -7
- ◇ Internet2 Detective
- ◇ Internet2 Fall 2003 Member Meeting
- ◇ Internet2 Membership Value
- ◇ Virtual Briefings
- ◇ Applications Update
- ◇ International Update
- ◇ Middleware Update
- ◇ End-to-End Performance Initiative (E2Epi) Update
- ◇ Internet2 K20 Initiative Update
- ◇ Member-to-Member Announcements
- ◇ New Internet2 Members
- ◇ Future Internet2 Events
- ◇ Internet2 Days
- ◇ Showcase and Spotlight Opportunities
- ◇ Internet2 Related Events

◇ **Joint Techs Meeting and Netcast Information- August 3 -7**

The focus of the upcoming Joint Techs Meeting will be network tuning and performance monitoring, optical networking, and security. A panel on high-speed transport protocols is scheduled for Tuesday. In addition, an in-depth session on distributed denial of service will span Wednesday afternoon and Thursday morning. The workshop will be netcast live from Lawrence, KS. For more information please see: <http://www.ncne.org/training/techs/2003/0803/video.html>

◇ **Internet2 Detective**

Version 3.0 of the Internet2 Detective is now available. The Internet2 Detective is a small easy-to-install and use application that reveals your computer's networking abilities. The Detective is available for Microsoft Windows 98/2000/XP and, as a test version, for Mac OS X. It lets the user know if the computer is connected to an Internet2 backbone network, available bandwidth, and whether multicast streams are available. The Internet2 Detective builds on Iperf and the Multicast Beacon developed by the National Science Foundation-funded NLANR Distributed Applications Support Team. The latest version of, and more information about, the Internet2 Detective is available at: <http://detective.internet2.edu/>

◇ **Internet2 Fall 2003 Member Meeting**

+ Registration, Program, and Lodging Information

The full program for the Fall 2003 Internet2 Member Meeting in Indianapolis, Indiana, October 13-16 will be available during the week of August 11. Online registration for the meeting will also be available during that week.

<http://events.internet2.edu/2003/fall-mm/index.html>

Internet2 has reserved a block of rooms for registrants at the meeting site, the Indianapolis Marriott Downtown. Information about lodging can be found at:

<http://events.internet2.edu/2003/fall-mm/hotel&travel.html>

+ Fall 2003 Internet2 Member Meeting Demos Announced

Internet2 has announced the advanced networking applications demonstrations that will be featured at the Fall 2003 Internet2 Member Meeting. One set of demos will run 13-15 October at the Indianapolis Marriott Downtown, location of the fall member meeting. These demos showcase a broad range of technologies and include participation by university, corporate, affiliate, and international members. Several demos will highlight aspects of IP-based interactive collaboration technologies. In addition, two performance-oriented demonstrations will take place in conjunction with an evening gala reception, which will be held at the Indiana State Museum on 15 October. A complete list of the fall demos can be found on the web page below.

<http://events.internet2.edu/2003/fall-mm/demos.html>

+ Winner of Free Member Meeting Registration Announced

Jim Bostick from Virginia Commonwealth University has been selected as winner of a free registration for the Fall 2003 Internet2 Member Meeting. Bostick's name was selected from a random drawing of individuals who completed the Spring 2003 Member Meeting Evaluation. Congratulations, Jim!

<> **Internet2 Membership Value**

+ Sponsoring Abilene Participation

University members of Internet2 may sponsor individual educational institutions including not-for-profit and for-profit K-20, technical, and trade schools, museums, art galleries, libraries, hospitals, that require routine collaboration with the existing member. This type of participation is free to both the Internet2 member and the sponsored participant. Sponsored Participants may gain access to any resources on the Abilene Network, benefiting students, faculty and staff. Currently participants on the Abilene Network sponsor over 80 organizations.

<http://abilene.internet2.edu/community/sponsored/index.html>

<> **Virtual Briefings**

+ Video-on-Demand of July Briefing

Windows Media Player 9 or Real Player 7 and above video-on-demand streams of the July 2003 Briefing, which featured advanced media projects of the ResearchChannel, are now available for viewing.

<http://events.internet2.edu/briefings/pastbriefings.html>

There will be no Internet2 Virtual Briefing during August. The Briefings will resume in September with a focus on K-12 learning community projects. <http://events.internet2.edu/briefings/index.html>

<> **Applications Update**

+ Internet2 Presence and Integrated Communications Working Group (PIC)

Integrated Communications combines multiple communications elements within the context of Presence. Such elements include soft phones, 3GPP (3rd Generation Partnership Project) based cellular phones, instant messaging, email, voice mail, still imaging, directories, calendaring, audio conferencing, and videoconferencing - all based on the SIP (Session Initiation Protocol) standard and related extensions. A new Internet2 working group has been formed to explore uses of these technologies and foster their deployment at Internet2 member institutions. All Internet2 members are invited to participate in the new Presence and Integrated Communications (PIC) Working Group, which is chaired by Jeremy George, Yale University <jeremy.george@yale.edu>. <http://pic.internet2.edu/>

<> **International Update**

+ International Peering Migration from STAR TAP to StarLight

Internet2's Abilene backbone network will disconnect its long-standing 622Mbps ATM connection from the *STAR TAP* ATM switch facility in Chicago at the end of September. Abilene already has in place a 10Gbps connection to StarLight - the optical *STAR TAP*. This move will result in no loss of connectivity to networks of Internet2 International Partners since the *STAR TAP* ATM facility continues to be connected to the StarLight facility at 622Mbps thanks to support from the NSF through April 2004. Most networks are migrating their presence to the StarLight facility which will mean higher speed connectivity to Abilene. To view the latest Abilene international connections map see:

http://international.internet2.edu/intl_connect/Abilenejune2003.gif

For information on STAR TAP and StarLight see: <http://www.startap.net/>

+ Call for Presentations for International Sessions

We are soliciting presentations from both Internet2's International MoU Partners and Internet2 members about international collaborative activities, updates on technology and application initiatives taking place outside the U.S. and other international advanced networking related topics. We are also seeking to identify exemplary collaborations between Internet2 members and partners from around the world that are taking advantage of international connectivity. If interested, please send an email to Ana Preston <apreston@internet2.edu> briefly describing your presentation, along with your name and affiliation. Space is limited so it is important that we received your information soon.

<> **Middleware Update**

+ Shibboleth

Subsequent to release of version 1.0 at the end of June, there has been significant interest in using Shibboleth. Two themes have emerged visible to the Internet2 community - the need for a better definition of attributes to be passed by Shibboleth and the development of federations in addition to the national federations Internet2 is planning to operate, including university systems federations and state federations. A new release, v. 1.1, is expected in early August. <http://shibboleth.internet2.edu/>

+ NSF Middleware Initiative

- Advanced CAMP

The Advanced CAMP meeting at the beginning of July gave system architects from campuses with a maturing middleware infrastructure a chance to join their colleagues to engage in discussions in identity management, enterprise directories, and authentication. The meeting offered a highly focused, highly technical forum for learning and discussion on research in middleware technologies, with an emphasis on authorization approaches. Presentations and notes of some of the discussions will be available soon at: <http://www.educause.edu/conference/nmi/camp033/>

- Second NMI Tested Workshop on Middleware Deployment & Integration

The second NSF Middleware Initiative (NMI) Integration Testbed results workshop, "Experiences in Middleware Deployment", will be held on Monday, November 3, 2003, preceding the EDUCAUSE annual conference.

The NMI Integration Testbed sites have been actively involved in middleware integration at their institutions and have been focused since June 2002 on evaluating the utility and feasibility of this integration into key research and education activities. Throughout this process, they have learned much about what to do, what not to do, and what to expect when deploying middleware.

<http://www.nsf-middleware.org/testbed>

Ongoing details for this workshop will be available at:

<http://www.nsf-middleware.org/testbed/meetings/workshop1103/1103agenda.html>

<> **End-to-End Performance Initiative (E2Epi)**

+ E2Epi at Joint Techs

E2Epi will host 6 sessions at the August Joint Techs Workshop; E2E-related session abstracts and times are available at:

<http://e2epi.internet2.edu/JT03/JT-fall03-sessions.html>

+ End-to-End (E2E) Case Studies

A new case study, focusing on a sudden performance loss, has been posted at the URL below. The E2Epi team is actively seeking stories about problems with applicability to a wide audience. If you have such a story, please contact Susan Evett <sevett@internet2.edu> to schedule an interview.

<http://e2epi.internet2.edu/CaseStudies/UMich/UMICHcs-index.html>

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

Members of the E2Epi team met in Ann Arbor for a week-long discussion about roles and responsibilities, revised target dates, and changes to the architecture and how any changes might affect other projects under development. A revised 2-page overview of the E2E piPEs has been posted at:

<http://e2epi.internet2.edu/E2EpiPEs/E2EpiPEsOverview.html>

+ Campus Network Infrastructure (CNI) Guide

In an attempt to develop "best practices" for campus network infrastructures, the project team is working on three deliverables: 1) a "document resource library" of links to previously created documents that users may find helpful, 2) a "How To" document, and 3) a policy/procedures document. Information on these and other related documents can be found at:

<http://e2epi.internet2.edu/CNIGuide/CNIGuide-CFP.html>

<> **Internet2 K20 Initiative Update**

+ Louisiana Named SEGP of the Month

Everyone talks about rural access to high speed Internet tools as a means to drive both educational, and ultimately, enhance economic development in areas otherwise out of the mainstream of metropolitan society. Louisiana's LEARNET will provide a platform from which the citizens of the Bayou state will launch into the global economy. Research will lead the way. For more information on this story and Louisiana's SEGP please see the Internet2 K20 website.

<http://k20.internet2.edu/segp/index.html>

<> **Member-to-Member Announcements**

+ TippingPoint Technologies Releases Application Notes on Security and Piracy Prevention

TippingPoint Technologies, an Internet2 corporate member, recently released two application notes regarding security and piracy prevention for higher education of interest to the Internet2 community. "Maintaining Open Access with Enhanced Security" notes the benefits of intrusion prevention for higher education, and can be viewed at:

http://www.tippingpoint.com/resource_library/pdfs/MaintainingUnivOpenAcc.pdf.

"Protecting Your University from Peer-to-Peer Misuse" is an application note that focuses on the issues that educational institutions face with piracy, and some of the options to block or limit this traffic. This note can be found here:

http://www.tippingpoint.com/resource_library/pdfs/ProtectUnivP2P.pdf.

For additional information, contact Laura Parker at <lparker@tippingpoint.com>.

+ inSORS Announces Virtual Venue Collaboration Platform for Internet2 and Members

inSORS Integrated Communications, Inc., an Internet2 corporate sponsor, is donating a custom Access Grid venue system as well as a bridging solution for Internet2 staff use. The new Virtual Venue will provide Internet2 activities, from internal staff meetings to community-wide workshops, the benefits of secure, anytime collaborations via video, audio and data-sharing modes of interaction. The Virtual Venue will enable multiple, simultaneous interactions without the need for a Multipoint Control Unit (MCU), fully taking advantage of Internet2 advanced networks. In addition, inSORS will provide discounted Access Grid (AG) software and services to the Internet2 member community. For more information about this member discount program, contact Brian Gleason at

<bgleason@insors.com> or see <http://www.insors.com/>

<> **New Internet2 Members**

+ Corporate Members

- TippingPoint Technologies, <http://www.tippingpoint.com>

<> **Future Internet2 Events**

+ VoIP and Internet2 Commons Site Coordinator Training in October

Voice over IP (VoIP) and Internet2 Commons Site Coordinator training will be available in conjunction with the Fall 2003 Internet2 Member Meeting. VoIP training will be held October 12--13, while Site Coordinator training is scheduled for October 16--17. Note that the training sessions are not part of the official Fall Member Meeting, and that individuals must register and pay separately for them.

Internet2 VoIP Workshop

12-13 October 2003

Indianapolis, IN

<http://voip.internet2.edu/meetings/200310.html>

Internet2 Commons Site Coordinator Training
16-17 October 2003
Indianapolis, IN
<http://commons.internet2.edu/train/index.html>

The following is a list of future Internet2 events:

+ Joint Techs Workshop
3-7 August 2003
Lawrence, KS
<http://www.ncne.org/training/techs/2003/0803/jt-lawrence.html>

+ Internet2 IPv6 Workshop
12-13 August 2003
Boston, MA
<http://events.internet2.edu/2003/IPv68-03/Index.html>

+ Fall 2003 Internet2 Member Meeting
13-16 October 2003
Indianapolis, IN
<http://events.internet2.edu/2003/fall-mm/index.html>

+ Joint Techs Workshop in Hawaii
The January 2004 Joint Techs Workshop will take place in Honolulu, Hawaii, January 25--January 28th.
Details will be announced as they become available.

<> **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**

+ 2nd NMI Integration Testbed Results Workshop
The second NSF Middleware Initiative (NMI) Integration Testbed results workshop, "Experiences in Middleware Deployment", will be held on Monday, November 3, 2003, preceding the EDUCAUSE annual conference in Anaheim, CA. The workshop will be held from 8:30 a.m. to 5:00 p.m. PDT on Monday. Though the event is located in close proximity to the EDUCAUSE conference, separate registration and logistics apply. For more information see:
<http://www.nsf-middleware.org/testbed/meetings/workshop1103/1103agenda.html>

+ 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>.

+ NANOG 29
19-21 October 2003
Chicago, IL
<http://www.nanog.org/>

+ EDUCAUSE 2003
4-7 November 2003
Anaheim, CA
<http://www.educause.edu/conference/annual/2003/>

+ SC2003
15-21 November 2003
Phoenix, AZ
<http://www.sc-conference.org/sc2003/index.html>