Collaboration Tools Provided by Internet2

Bob Dixon
Ken Fox
Ohio Academic Resources Network (OARnet)
Ben Fineman
Internet2
Internet2 Spring Member Meeting
April 27, 2010
Arlington, Virginia
What is the Internet2 Commons?
Provider of shared collaboration resources
  – H.323 bridging
  – Training
  – Global Dialing Scheme
  – Desktop collaboration
H.323 Bridging
Polycom RMX 2000 HD MCU
Provided through partnership with Polycom
Capacity: 40 HD ports

Tandberg Codian SD MCU
Provided through partnership with Tandberg Codian
Capacity: 40 SD ports
Site Coordinator Training: VC by VC
January 28th, 2010

http://www.internet2.edu/workshops/commons/
Global Dialing Scheme
Desktop Collaboration
• Today: Trial services, as will be discussed
• Upcoming: Production services on larger scale
Provider of shared collaboration resources
  – H.323 bridging
  – Training
  – Global Dialing Scheme
  – Desktop collaboration

Knowledge hub for real-time collaboration technology
Knowledge hub for real-time collaboration technology

— Today:
  • Audio Video Communication Infrastructure SIG (Meets today at 12pm in Rosslyn Room)

— Upcoming:
  • Performing Arts
  • Medical
  • Teaching and Learning
Disclaimers and Stance

• My opinions are my own and not necessarily those of Internet2 or OARnet.
• I do not work for Internet2, and never have.
• I am a volunteer member of the Internet2 Commons planning team.
• I am a strong supporter of Internet2.
• I am a strong advocate of standards and vendor interoperability.
• I am vendor neutral.
Dotted lines mean the operations could be in physically combined or separate boxes.
# Basic Feature Comparison

All systems work well, and have High Definition. Cost comparisons are complex, and hence omitted.

<table>
<thead>
<tr>
<th></th>
<th>Mac Support</th>
<th>Firewall Traversal</th>
<th>Basic Protocol</th>
<th>Echo Cancellation</th>
<th>H.323/SIP Internetworking</th>
<th>MCU Required for multi-site</th>
<th>Directory</th>
<th>Content and Screen Sharing</th>
<th>Chat</th>
<th>Encryption</th>
<th>Federation</th>
<th>Compression Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycom</td>
<td>beta extrn</td>
<td>323</td>
<td>yes</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>no</td>
<td>264</td>
</tr>
<tr>
<td>RADVision</td>
<td>yes</td>
<td>intrn</td>
<td>323</td>
<td>yes</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>SVC</td>
</tr>
<tr>
<td>Tandberg</td>
<td>beta extrn</td>
<td>SIP</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>264</td>
</tr>
<tr>
<td>Vidyo</td>
<td>yes</td>
<td>intrn</td>
<td>SIP+</td>
<td>beta</td>
<td>yes</td>
<td>routr</td>
<td>yes</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>no+</td>
<td>SVC</td>
</tr>
</tbody>
</table>

All systems work well, and have High Definition. Cost comparisons are complex, and hence omitted.
Computer Used for Demonstrations

Macbook Pro
3 GHz
Dual Core

Software:
- Boot Camp
- Windows XP
- Powerpoint
- Acrobat Chat
- Polycom CMA
- Radvision Scopia
- Tandberg Movi
- VidyoDesktop
- Polycom PVX

Logitech 9000 HD Camera

High-Definition Projector 720p

Konftel 300
Echo-cancelling Speaker/Microphone

Konftel PA System Adapter

Room Audio System

one at a time
INTEROPERABILITY!!
Open Lab Sessions

• Try out all systems hands-on yourself.
• Use your laptop or one provided.
• Mentors on hand to help you. More volunteers needed!

• Today 12:00-1:00 NOON Jefferson room
• Tomorrow 7:30-8:30 AM Rosslyn I room
• Tomorrow 12:00-1:00 NOON Rosslyn I room
• Both rooms are on the Lobby level

• IOCOM (Access Grid) will also be there.

• All vendors are down in front here, so you can talk to them now.
Acknowledgements

• Vendors
  Michael Majewski, Polycom
  Russell Houck, RADVision
  Michael Roussey, Tandberg
  Mark Noble, Vidyo

• Ken Fox, my co-author

• Ben Fineman, Internet2 Commons lead

• Gabe Moulton, Nick Thompson, Robbie Noble of the Internet2 Commons technical staff

• Volunteer helpers
  Ivan Moore, Univ of Missouri
  Jack Slaughter, Univ of Missouri
  Rusty Presley, Auburn Univ
  Rui Ribiero, FCCN, Portugal
  Mike Curtis, Northwestern Univ
  David Devereaux-Weber, Univ of Wisconsin
  Les Finken, Univ of Iowa
  Jim Wellings, Utah State Univ
  Sarah Jones, Univ of Georgia
  Alan Pibworth, Cranfield Univ, England