



Voice Services

Workshop 36



Session Agenda

- JANET Talk Trial – Roger Bolam
- The Transition to VoIP – Jake Hornsby
- VoIP and IP Telephony – Richard McCammond



JANET Talk and the Trial

Roger Bolam

Voice and Video Development
Manager

JANET(UK)



Overview

- JANET Talk
- JANET Talk Trial
- What is (or may be) coming next....



JANET Talk

- We have developed a voice and collaboration tool including:
 - Video, Shared Whiteboard, Application Sharing, IM Chat
 - Conference Bridging (for all applications)
 - PSTN breakout (cheaper than SKYPE – mostly!)
- Post-pay and pre-pay billing options
- Standards based (SIP) desktop client with a searchable central register



JANET Talk

- Capable of handling 50,000 users
- Managed on an organisational basis
- JANET Talk can be used on or off campus by any user “linked” with a JANET connected organisation
- JANET Talk is not a telephony replacement and wont integrate with campus kit...but it is SIP
- Supports both public and private users
- Based around a desktop client (or a SIP phone / client)



JANET Talk Trial

- We need to understand:
 - How does JANET Talk fit in with JANET connected organisation IT strategies?
 - Is the service model suitable?
 - Have we got the right mix of features?
- Just about to launch a 12 month no cost trial of JANET Talk



JANET Talk Trial

- 105+ trial sites, from HE, FE, Research, Schools, support organisations and LA representatives
- Approx 7000 users
- Uses include:
 - multi-site distance learning for UHI,
 - FE college use while moving buildings
 - ECMWF remote site comms
 - Linking together sites working on a northsea wind farm project



JANET Talk Trial

- All sites are required to give feedback
- In May 2008 we will scale the trial to meet demand
- How do we progress with a scalable model for this technology?
- We are aiming to develop a sustainable business model for JANET Talk by October 2008



Multimedia PC Client Login View Tools Help

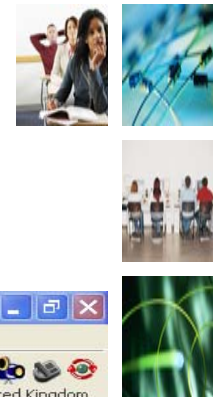
roger.bolam
(Connected) United Kingdom

Quick Start Make A Call Instant Message Directory Call Logs Friends Online Retrieve with ID Preferences Send File Sharing Routes Personal Agent Chat

Quick Start

- Make A Call**
Click on the telephone icon to start an audio or video phone call.
- Instant Message**
Click on the instant message icon to begin instant messaging.
- Directory**
View and search the directory for other users.
- Call Logs**
See listing of incoming and outgoing calls.
- Friends Online**
Show the connection status of your friends.
- Preferences**
Allows you to change program preferences.
- Send File**
Begin sending a file to another user.
- Sharing**
Initiate application sharing with another user.
- Routes**

start | Inboxes - Microsoft O... | My Documents | Microsoft PowerPo... | 3 Internet Explorer | Multimedia PC Client | 17:05



Multimedia PC Client

Login View Tools Help

roger.bolam
(Connected)

United Kingdom

Quick Start Make A Call Instant Message Directory Call Logs Friends Online Retrieve with ID Preferences Send File Sharing Routes Personal Agent Chat

Quick Start

Make A Call
Click on the telephone icon to start an audio

Make A Call

Hang Up

Directory

Make Call to...

Look in: Friends

Search for: All Fields

List View Card View

Friend	Nick Name	Last Name	First Name	SIP
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Subject...

Make Phone Call

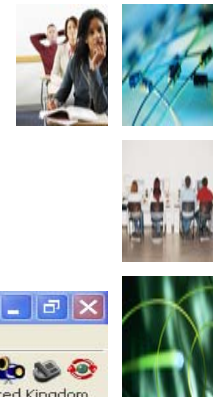
Make Video Call

Send File
Begin sending a file to another user.

Sharing
Initiate application sharing with another user.

Routes

start | Inboxes - Micros... | My Documents | Microsoft Pow... | 3 Internet Ex... | Multimedia PC ... | Make A Call | 17:08



Multimedia PC Client

Login View Tools Help

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Quick Start Make A Call Instant Message

PC Client Video

Video

arron.bowley

Video Conversation

Stop

Call Instant Message Send File Share

Preview Embedded

00:02:07

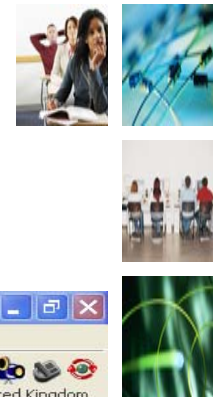
Microphone Speakers

Hang Up Hold Mute Stop Camera Park Call

Audio Quality New Call Conference Transfer

- Call Logs
See listing of incoming and outgoing calls.
- Friends Online
Show the connection status of your friends.
- Preferences
Allows you to change program preferences.
- Send File
Begin sending a file to another user.
- Sharing
Initiate application sharing with another user.
- Routes

start | Inbox - Mic... | My Docum... | Microsoft P... | 3 Interne... | Multimedia ... | arron.bowley | PC Client Vi... | 17:11



Multimedia PC Client

Login View Tools Help

roger.bolam
(Connected)

Quick Start Make A Call Instant Message

PC Client Video

Video

arron.bowley

Video Conversation

Stop

Call Instant Message Send File Share

Preview Embedded

00:03:02

Microphone Speakers

Hang Up Hold Mute Stop Camera Park Call

Audio Quality New Call Conference Transfer

roger.bolam (13 November 2007 17:12:15):
Hello - this is great!

arron.bowley (13 November 2007 17:12:25):
super, how are you

Save Timestamp Print Font Clear Emoticons Chat

SEND

Sharing
Initiate application sharing with another user.

Routes

start | Inbox - Microsoft O... | My Documents | Microsoft PowerPoin... | Internet Explorer | Multimedia PC Cli... | 17:12



Multimedia PC Client

Login View Tools Help

PC Client Video

Video

arron.bowley

Video Conversation

Stop

Call Instant Message Send File Share

Preview Embedded

00:05:06

Microphone Speakers

Hang Up Hold Mute Stop Call Camera Park Call

Audio Quality New Call Conference Transfer

Sharing with arron.bowley Accepted Remove

Whiteboard Opened Stop Remove

Send File Share Whiteboard Transfer Clipboard Send Web Page

roger.bolam (13 November 2007 17:12:15): Hello - this is great!

arron.bowley (13 November 2007 17:12:25): super, how are you

Whiteboard - arron.bowley@imsinsight.com

File Help

Japan

Text and Content Layouts

Show when inserting new slides

start

Inbox - Microsoft O... My Documents Microsoft PowerPoin... 3 Internet Explorer 5 Multimedia PC Cli... 17:14



arron.bowley

Video Conversation
Stop

Call Instant Message Send File Share

Preview Embedded

00:11:07

Microphone Speakers

Hang Up Hold Mute Stop Park Call Camera

Audio Quality New Call Conference Transfer

Web page pushed
Whiteboard Closed
Web page: <http://www.cillitbang.co.uk/>
Web page received

PC Client Video
Video

roger.bolam (13 Nov) Hello - this is great!
arron.bowley (13 Nov) super, how are you
arron.bowley (13 Nov) <http://www.cillitbang.co.uk/>

Save Timestamp Print

SEND

Slide 16 of 16 ja.net PPT

start | Inbox - Micros... | Microsoft Pow... | 4 Internet E... | Multimedia PC... | arron.bowley | PC Client Video | 17:20

Cillit Bang® - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail News RSS Feeds

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See it in Action!





ENUM – Is it back?

- ENUM appears to be going through a renaissance!
- May be a scalable way of using existing kit to communicate “on net”
- Nominet – official numbering authority
- Infrastructure based on local “box” and participation in ENUM schema
- ENUM numbering based on E.164 telephone number prefixed, reversed and made into a SIP address
- All calls within ENUM environment stay “on-net”



ENUM

- All calls within ENUM environment stay “on-net”
- JANET looking into acting as registration authority on behalf of the community
- Cost (ish) - £10 first registered number, 10p each number there after.
- We will be undertaking market research in this area in the next few weeks.



What else are we doing?

- Looking at the wider picture of telephony on JANET
- Understanding if and how we can provide centrally managed telephony services
- Understanding how we can support mobile clients for JANET Talk
- We can do lots and lots, but there needs to be a clear business case

Further Information

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