

## JANET's 40Gbps backbone

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Abstract:

Like most other networks, JANET, the UK's Education and Research Network, has to deal with a year-on-year growth in traffic. To achieve this, it has recently undergone an upgrade on several of its backbone links to STM-256 (40Gbit/s). This talk will describe why we chose to use STM-256 links, some of the challenges that it posed, and how they were overcome.

Abstracts

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Jonny Martin (PCH), Vicky Shrestha (PCH), Daniel Griggs (FX Networks)
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- IPv6 Traffic levels on Hurricane Electric's backbone  
Martin Levy (Hurricane Electric)
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- IPv6 Deployment at IJJ  
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- Session aware NAT  
David Miles (Alcatel-Lucent)

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Richard Lamb (IANA)
- IPv6 at Google: lessons learned, state of the art, and the road to deployment  
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Serge Radovic (Euro-IX)
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John Mann(Monash University)
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Takabayashi Takejiro (Japan Internet Exchange Co., Ltd.) and Mawatari Masataka (Co-author)
- What can IXPs do about IPv4 exhaustion?  
MAWATARI Masataka (Japan Internet Exchange Co., Ltd.) and TAKABAYASHI Takejiro
- DNS-OARC's Open DNSSEC Validating Resolver  
Duane Wessels(DNS-OARC)
- AMS-IX Update  
Cara Mascini(AMS-IX)
- DNSSEC in 6 minutes  
Joao Damas (ISC)
- NIXI - Internet Exchanges in India  
Amitabh Singhal,NIXI
- IPv6 - IPv4 Co-Existence: IETF Report  
Jari Arkko, Ericsson Research, IETF
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Feike Hacquebord,Trend Micro
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Chris Malayter, Switch&Data, Co-author: Greg Hankins , Force10 Networks
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Dr. Ibraheem S. Al-Furaih (CITC)
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- Tutorial: Troubleshooting BGP  
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Phil Regnauld and Hervey Allen (Network Startup Resource Center)
  
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- Tutorial: IPv6 Deployment  
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- Tutorial: IS-IS Deployment (Dual-Stack)  
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