

63rd IETF Meeting Network Architecture

08/03/2005

François MERCIER

Internet Connectivity



S Provider: France Telecom

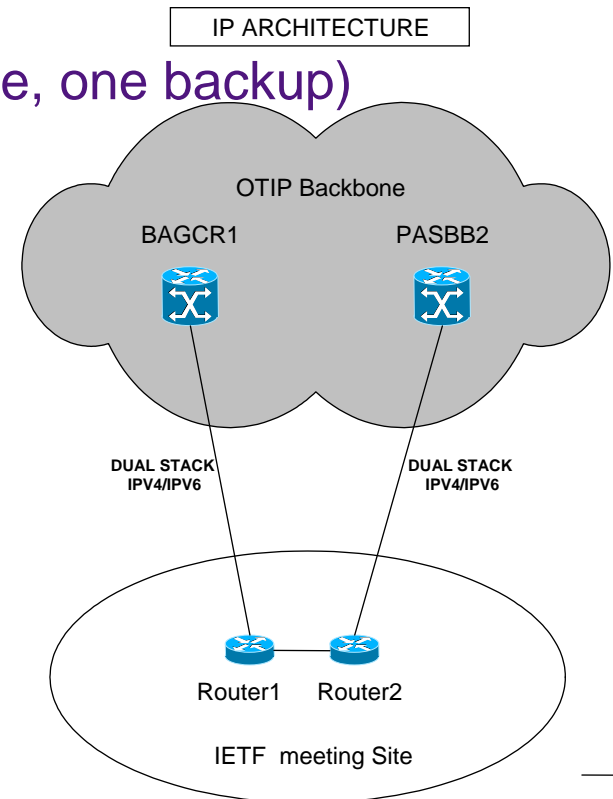
Q By means of the OpenTransit service (www.opentransit.net)

S 2 separate STM-1 links (155 Mbit/s, one active, one backup)

Q Peak: 85 Mbit/s in and 70 Mbit/s out

S Juniper's M7i routers as Customer Edge

S Native IPv6 and IPv4 multicast



Local Network Infrastructure



- S 23 Cisco Switches (Catalyst 3750 and 3550)
- S Redundant Cat3750 Stack for internal routing
- S 86.255.0.0/19 block for IPv4
- S 2001:0688:FFFF::/48 for IPv6
- S 16 VLANs

- S Hotel links
 - Q Concorde: optical link, 1 Gbit/s
 - Q Meridien: France Telecom's Interlan service at 100 Mbit/s

Wireless Access



- S 43 wireless 801.11 a/b/g-compliant Cisco's access points installed in the meeting venue
- S Hotels: 4 for Meridien, 3 for Concorde
- S 3 SSIDs
 - Qletf63 (open network)
 - Qletf63-wep (wep)
 - Qletf63-1x (WPA - PEAP/MSCHAPv2)
- S Peak: 804 users

Supervision, Administration and Security



- S WLSE for access points administration
- S CiscoWorks for wired networks
- S Nagios / Cacti to monitor the devices and manage alarms
- S Security
 - Q Two Juniper's Netscreen ISG2000 (HA, transparent mode)
 - No rules, just in case...
 - Q1 WiFi IDS in the terminal room