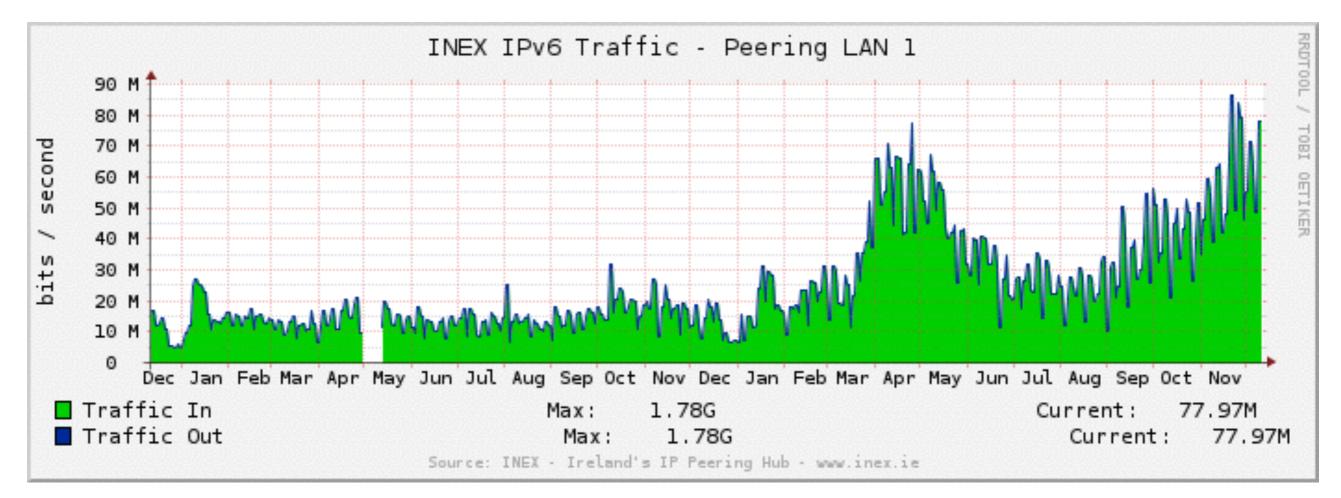
IXP Operations Update

December 2014



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There is IPv6 content on the exchange: Google, Akamai, Netflix, Microsoft and more



Apr - Webdiscount (RS, open, LAN1 TCYCTY, 100Mb)

Apr - Hibernia Networks (Atrato) (no RS, selective, LAN1 IXDUB2, 1Gb)

Apr - Host Ireland (RS, open, LAN1 TCYKCP, 1Gb)

Apr - Amazon to 20Gb

Jun - Digital Planet (HETG) (RS, open, IXDUB1, 1Gb - LAN2 pending)

Aug - BT Ireland to 20Gb LAN1

Aug - Government Networks to 20Gb

Aug - Microsoft to 30Gb

Oct - Hurricane Electric (open, LAN1 TCYKCP 10Gb)

Oct - HEAnet to 20GB (LAN1)

Nov - IMS / iMedia (RS, open, LAN1+2 TCYKCP, 1Gb each)

Dec - Convergence Group (no RS, open, LAN1 TCYCTY, 1Gb)



Yahoo! should be reconnecting by early 2015 at 10Gb
HE to peer with route servers
Akamai going to 20Gb
eircom going to 40Gb
Tibus going to 20Gb

Plus some prospects in the works....

Please review your capacities and don't get caught out!

After ~5 near-eventless years:

- STP topology change / L2 loop tickles a port security bug on CES2k
- 2 x RMAs of Turboiron 24X's in the last two months port asic failures
- IPv6 L2 ACL bug on FESX

Previously announced:

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- We have the rack, PDUs
- We have all necessary equipment
- Dark fibre provider taking longer than promised
- Due to civils on one end, will open singly-homed to KCP and bring CTY online later
- Still hoping for operational in 2014!



INEX is upgrading to a VPLS network build on Extreme Networks kit

Summit X670 for network core; Summit X460 for network edge

Lab tested at Agile Networks' new HQ in April, with successful PoC



LAN1 Forklift Upgrade

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X670 provides 48x10G in 1U; x460 provides 48x1G UTP.

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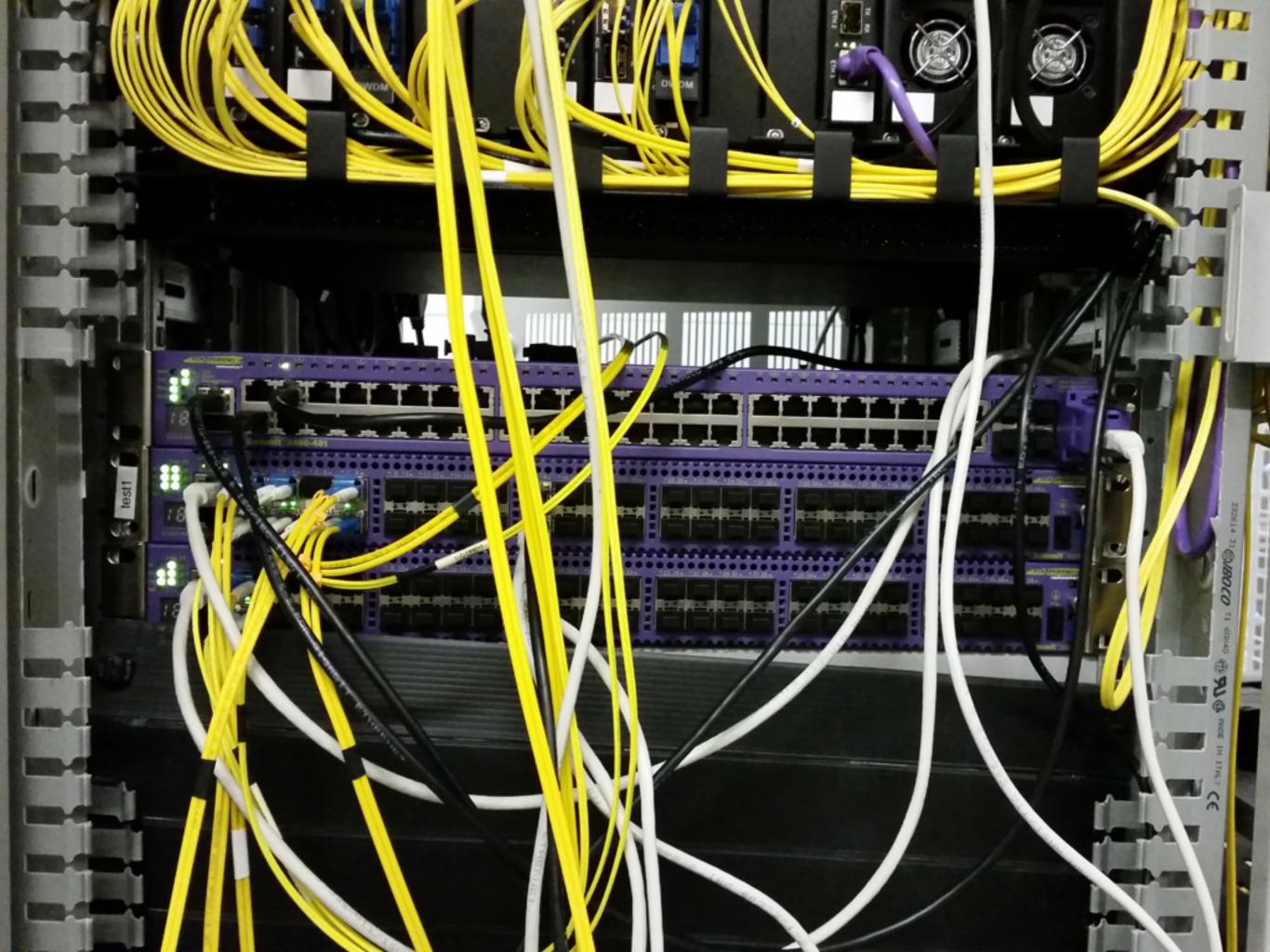
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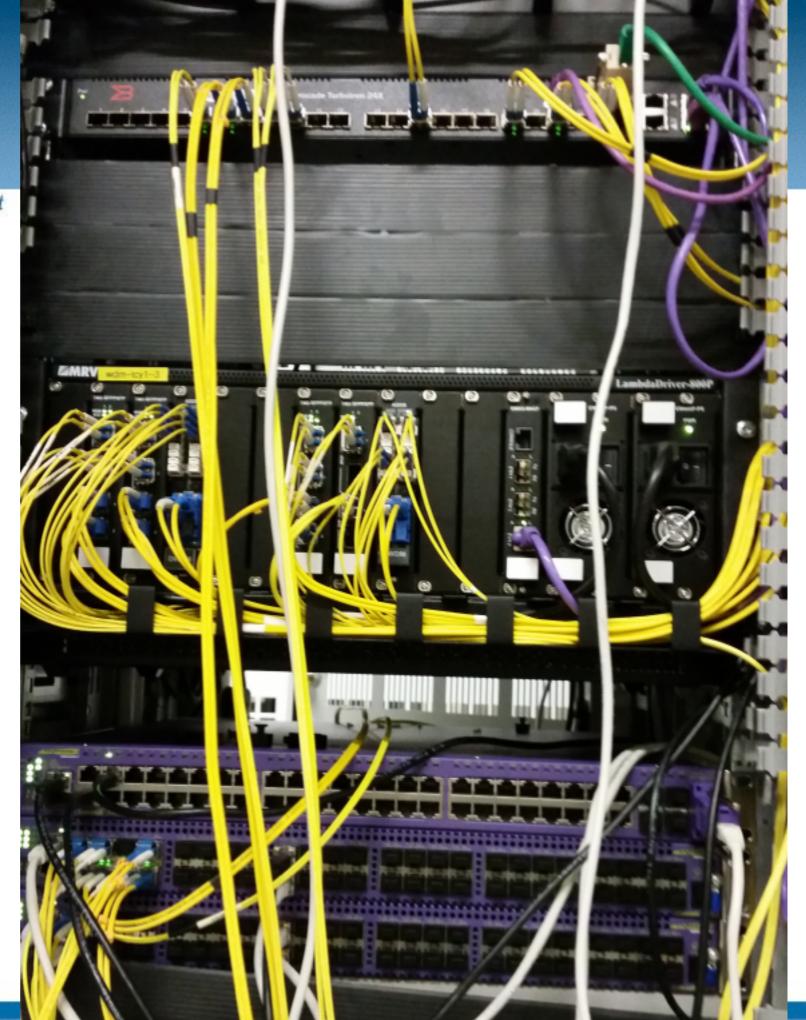
Lab tests completed; currently inserting X670s into the network.



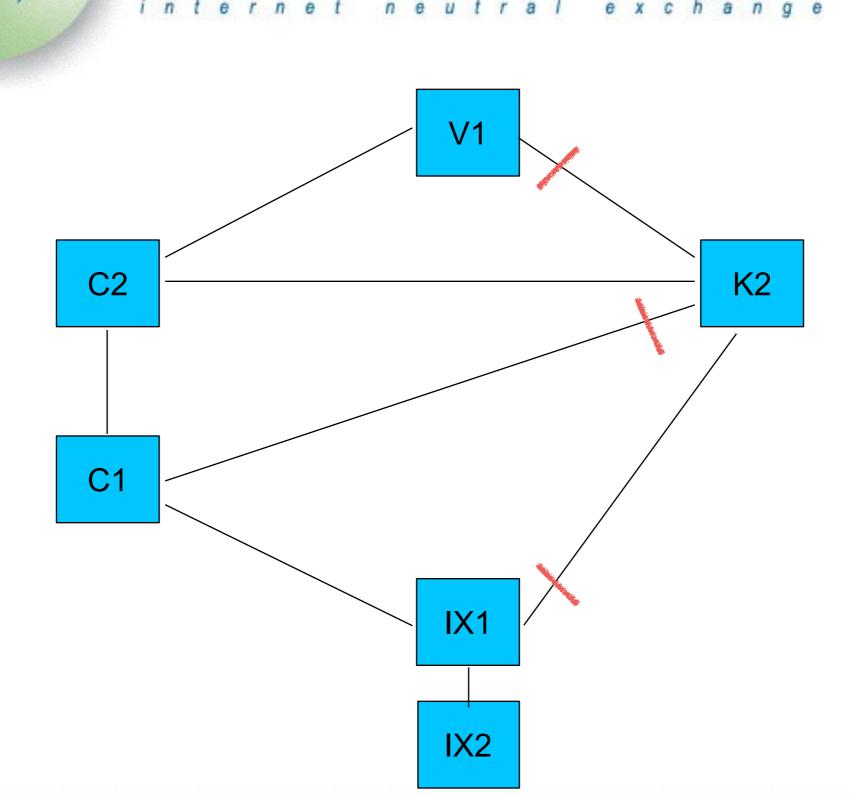


Lab work includes template configs for:

- Mgmt access & TACACS+
- NTP / Syslog / SNMP
- VLANs
- STP
- Sflow
- LLDP / EDP
- LAGs / LACP
- Port mirroring
- Storm control
- L2 ACLs
- Port security
- UTP Auto-neg / hard coding







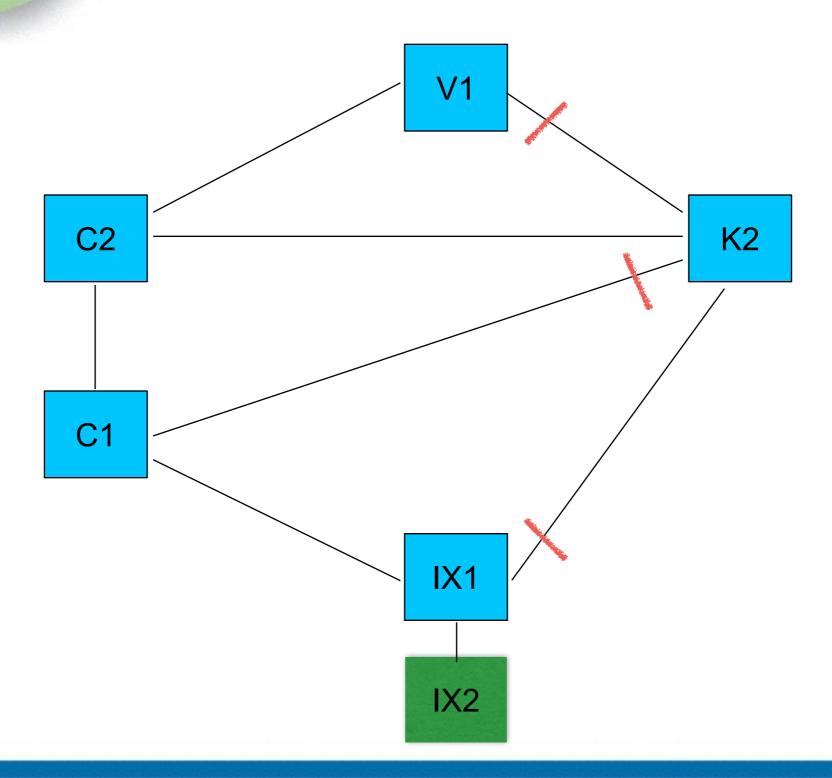


Our current schedule for this operation is:

Nov 27: replacement of current 10G switch in Interxion DUB2 with new 10G core/access switch [**DONE**]







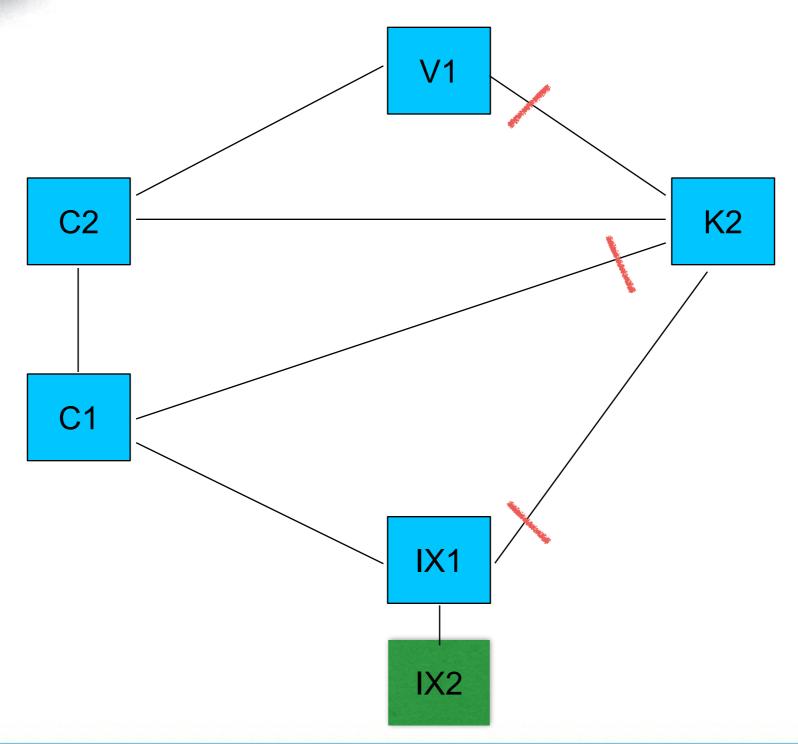
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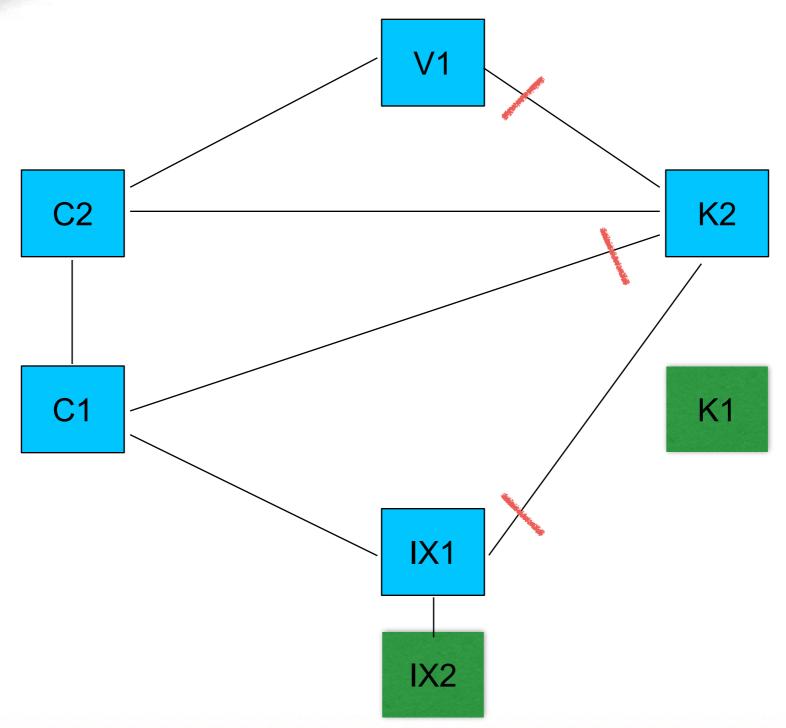




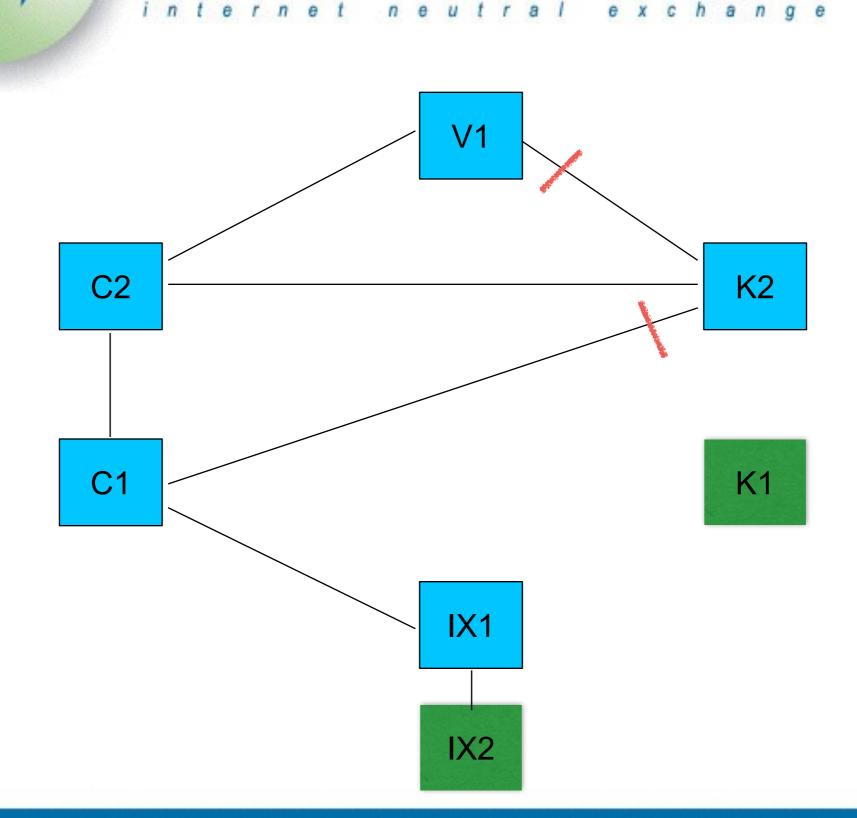




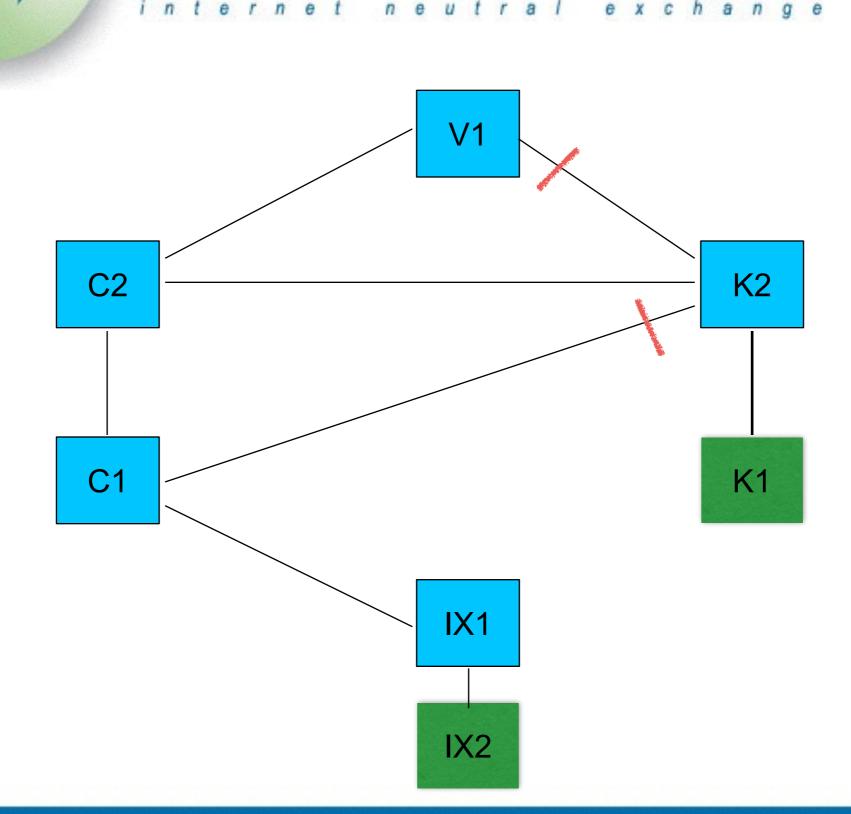




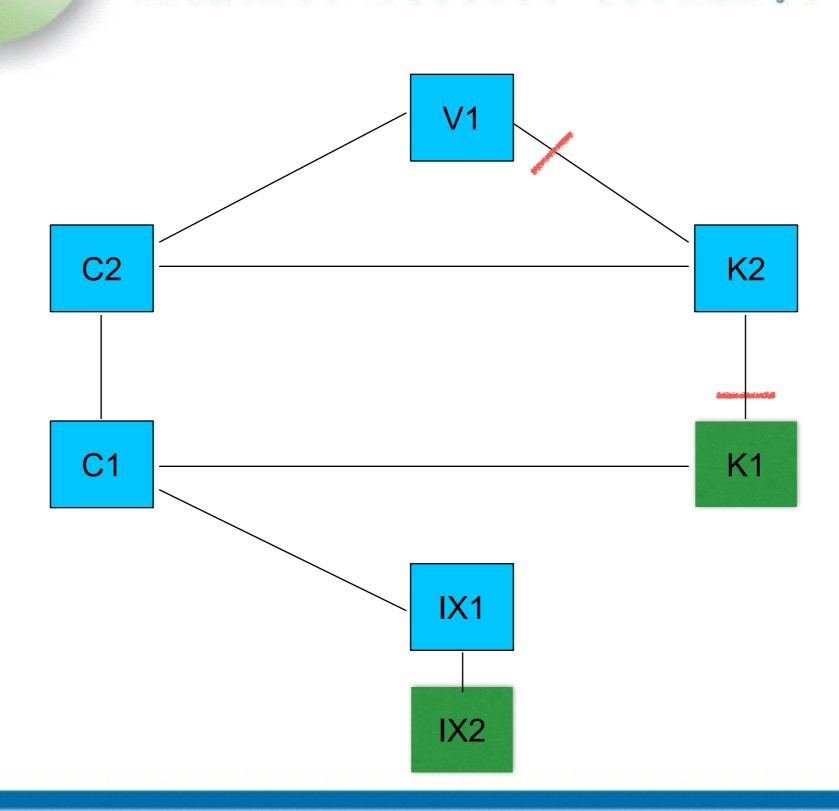






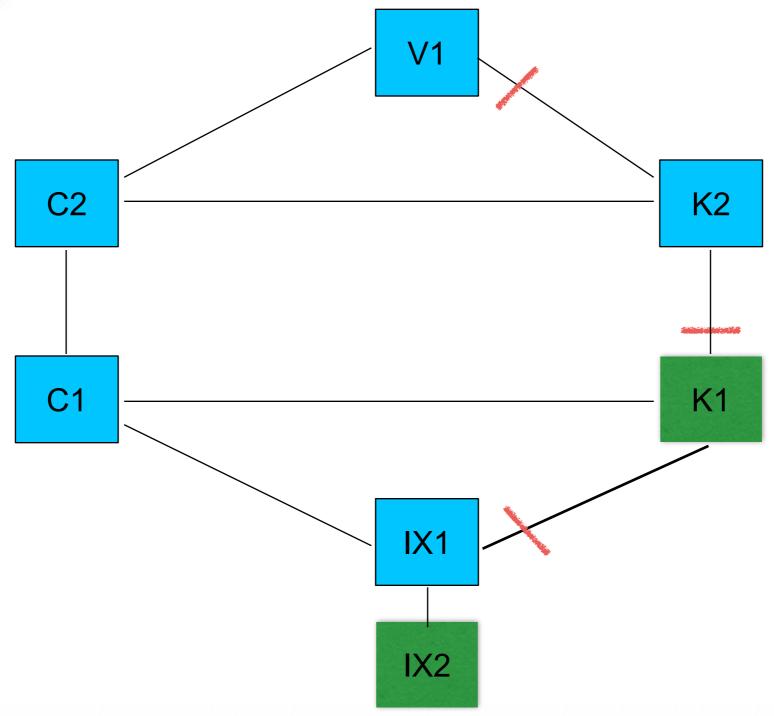












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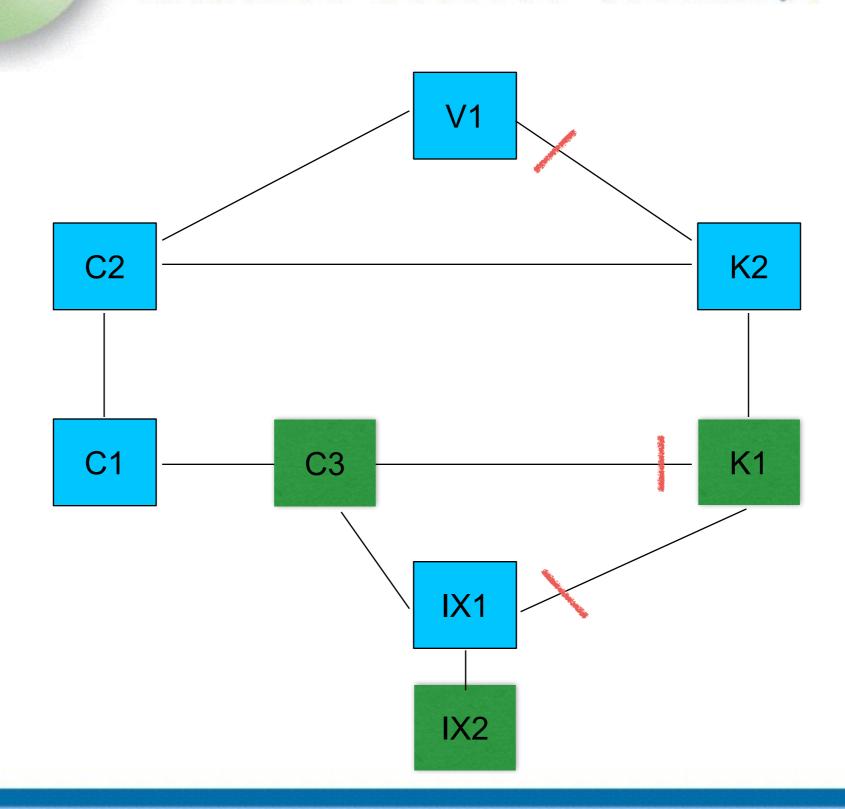
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Dec 11: insertion of new 10G core / access switch in Telecity Citywest, and migration of 4x10G KCP-CWT core trunk from to new kit. [**DONE**]

[break for December change freeze]



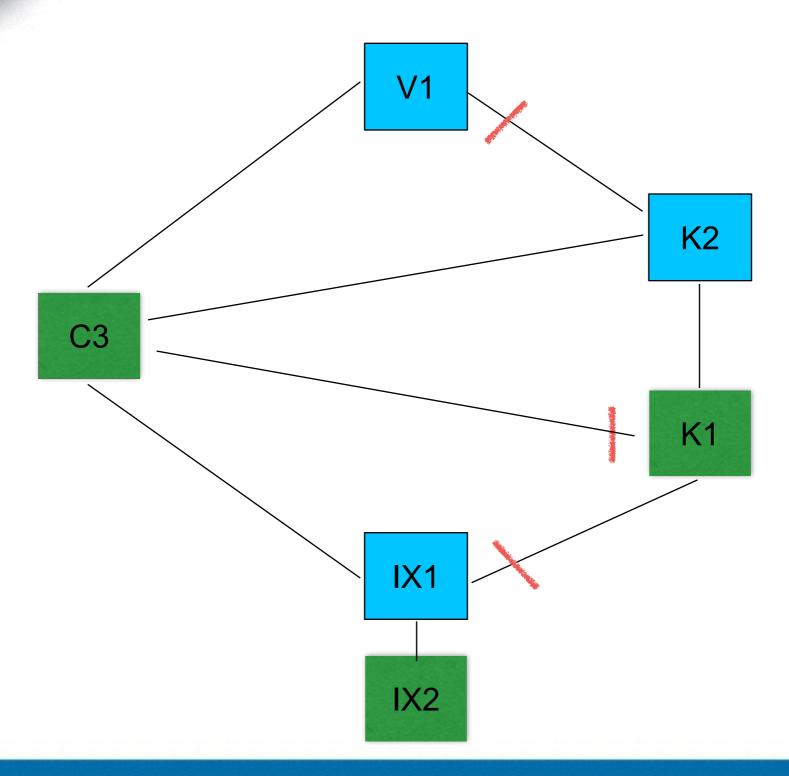


internet neutral exchange

Jan 15: migration of all 10G member ports in Telecity Citywest.







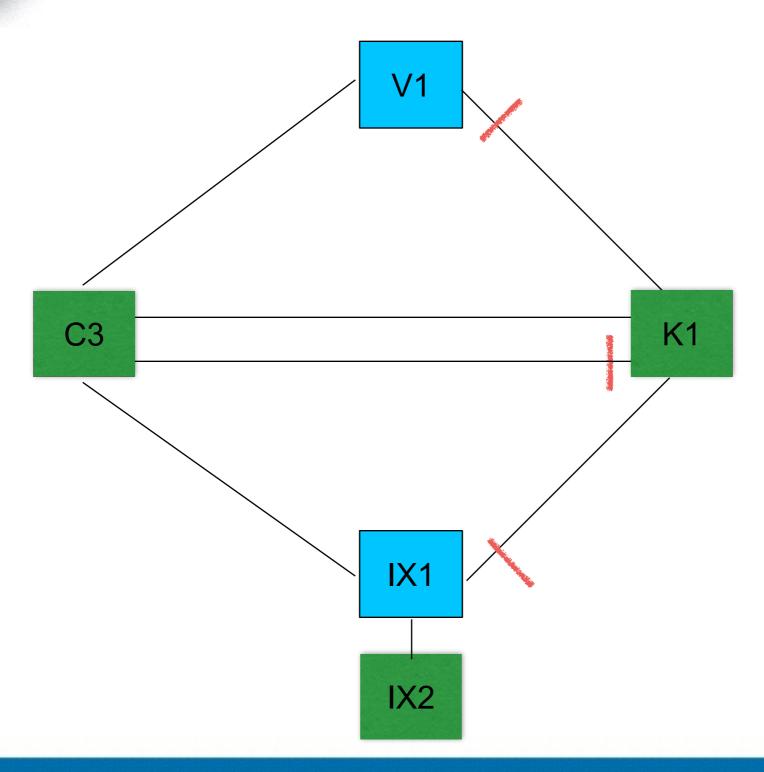


Jan 15: migration of all 10G member ports in Telecity Citywest.

Jan 22: migration of all 10G member ports in Telecity Kilcarbery.







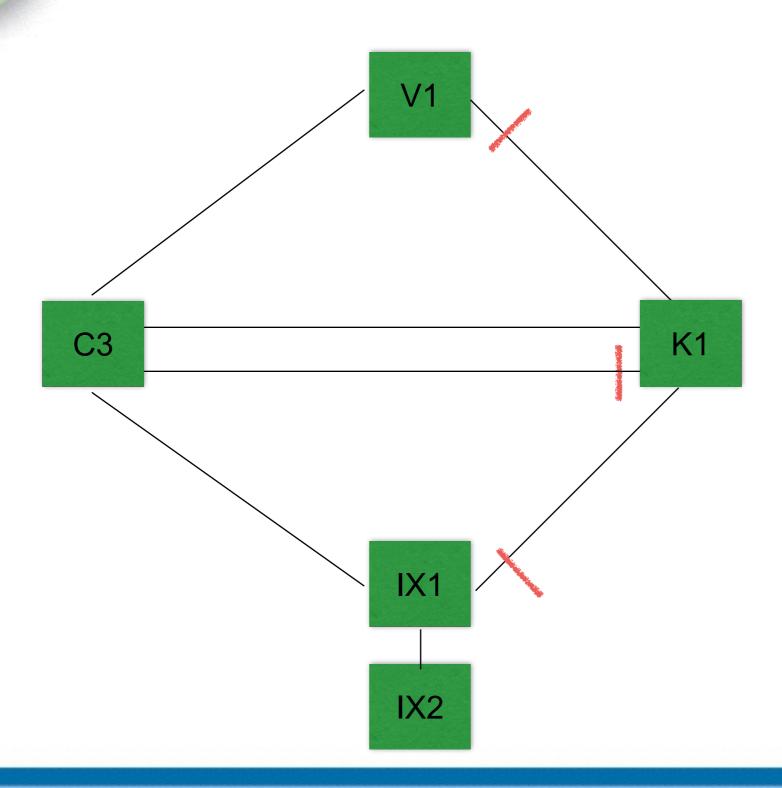
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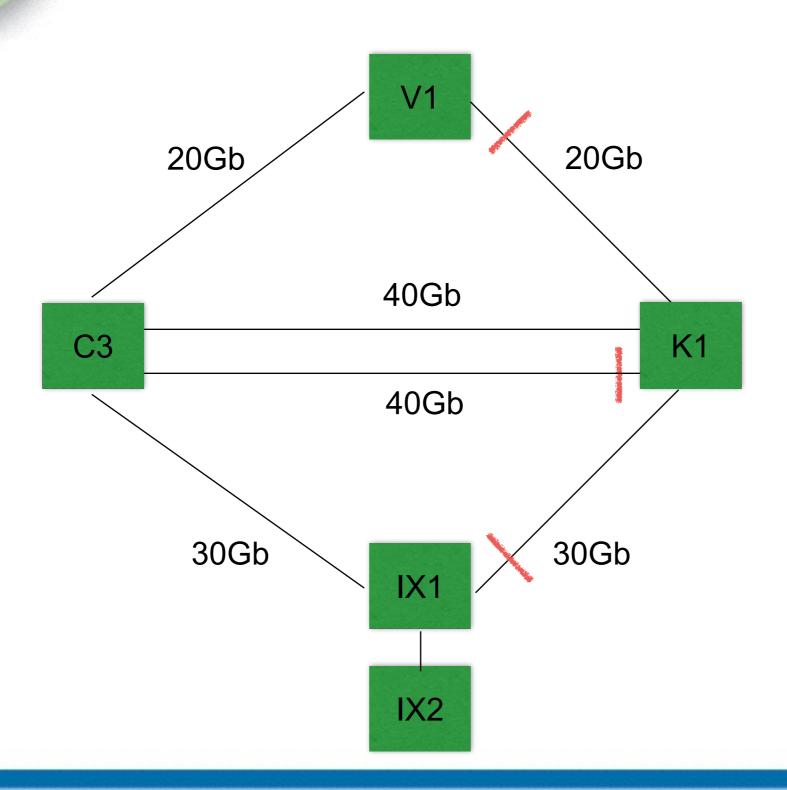






Core Links





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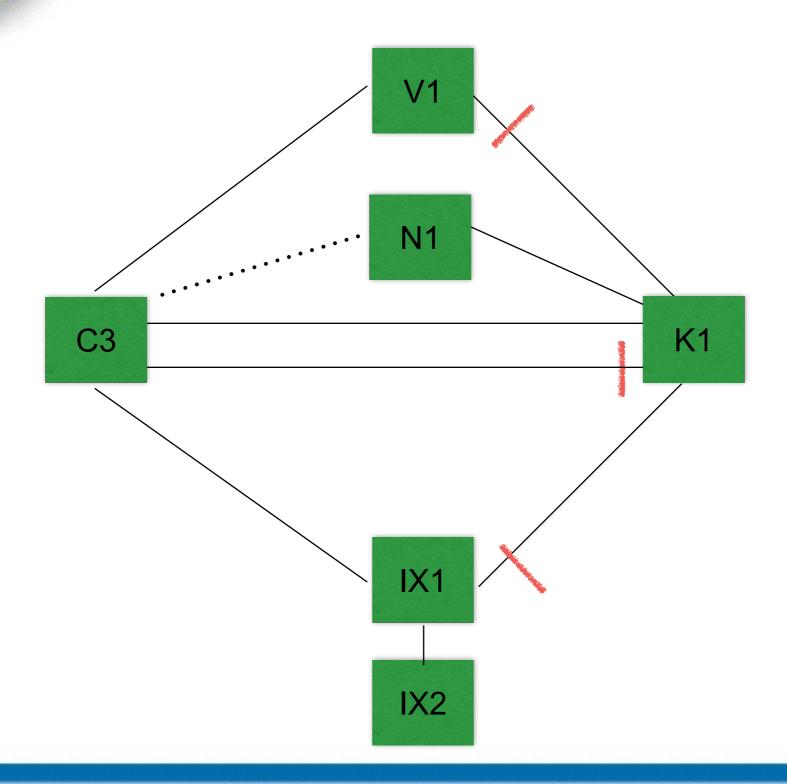
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Feb 12: replacement of Telecity Kilcarbery 100M/1G access switch with Extreme x460.

Feb 19: replacement of Telecity Citywest and Interxion DUB1 100M/1G access switches with Extreme x460 units.







INEX Operations current support details are always available on: https://www.inex.ie/ixp/static/support

Please try and email <u>operations@inex.ie</u> rather than individual team members.

We're experimenting with emailing reminders of maintenance just before we start it.



That's all folks...

...any questions?