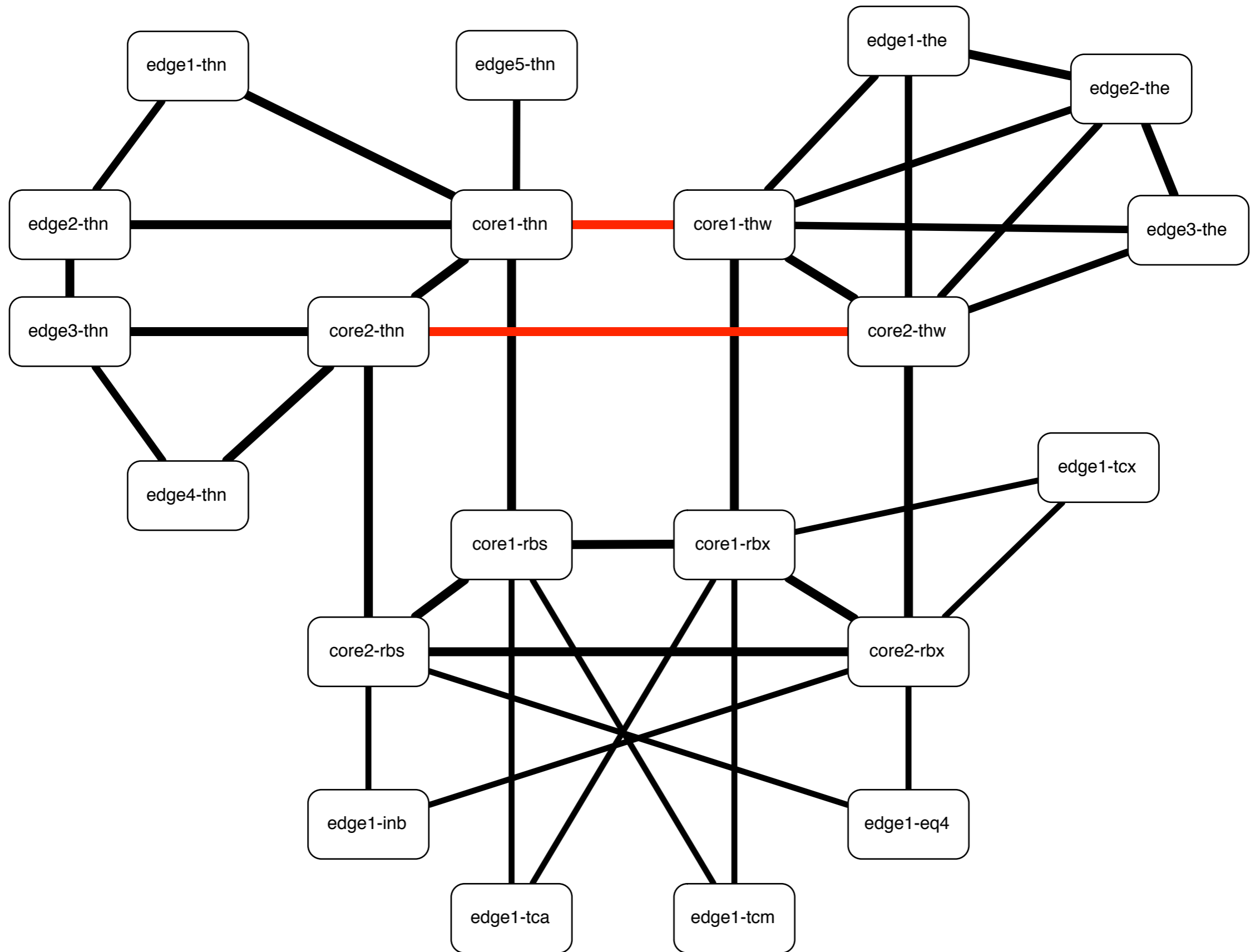# EIX @ RIPE 66
LINX Update

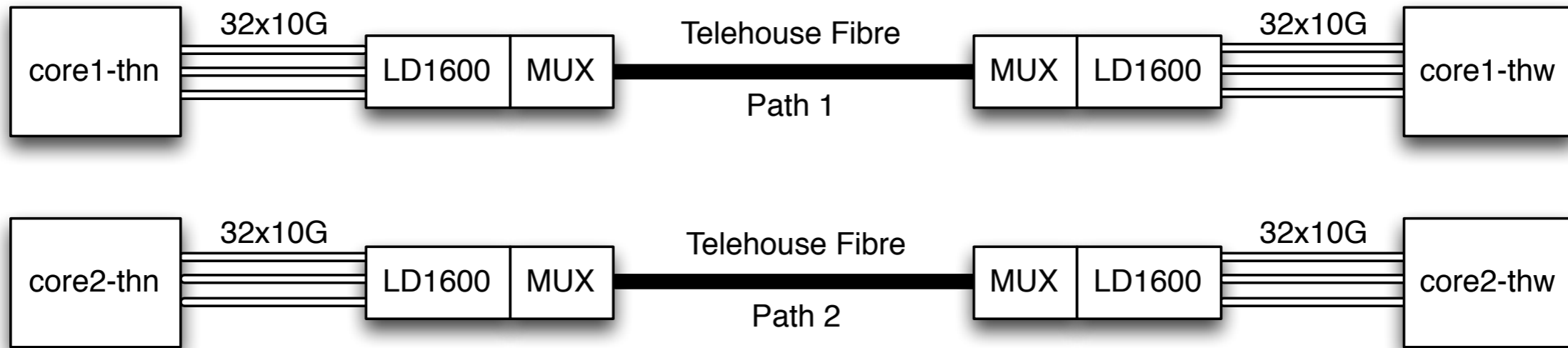Bartek Raszczyk / Sr. Network Engineer

Dublin 2013

100GE core upgrade on Juniper LAN

- We are moving away from bundles of Nx10Gb and introducing 100Gb links in the core

- 64 x 10Gb between THE and THN (PTX5000) will be replaced by 12 x 100Gb

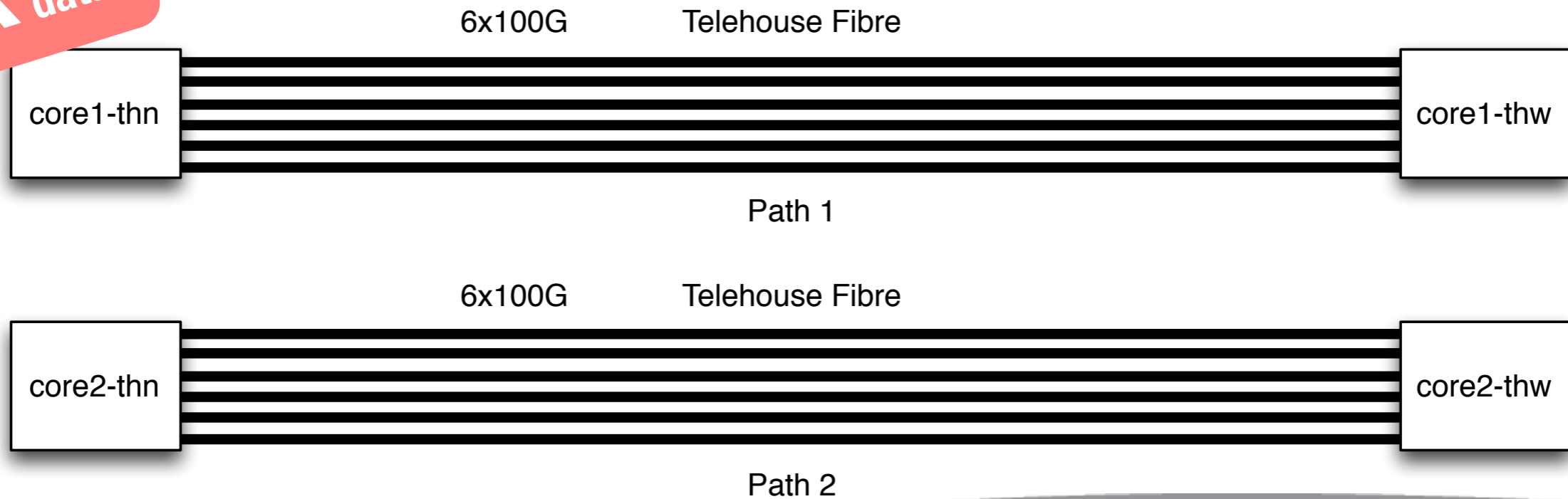- Optical transport (MRV DWDM) replaced with diverse dark fibre from Telehouse

LINX

640 Gbps (64x10Gb)

core1-thn	32x10G	LD1600	MUX	Telehouse Fibre Path 1	MUX	LD1600	32x10G	core1-thw

core2-thn	32x10G	LD1600	MUX	Telehouse Fibre Path 2	MUX	LD1600	32x10G	core2-thw

1200 Gbps (12x100Gb)

2X more data

core1-thn	6x100G Telehouse Fibre Path 1	core1-thw

core2-thn	6x100G Telehouse Fibre Path 2	core2-thw

LIN✕

Extreme LAN update

- We need XOS to support LSP ECMP to achieve better load-sharing on Nx10Gb LAGs, hashing done on MPLS label only

- We need to bridge multiple VLANs into single VPLS instance to deliver ConneXions (our reseller programme)

- Extreme Networks are committed to deliver both in the next XOS release (15.4)