IPv6 Deployment

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Agenda

- Introduction
- IPv6 Deployment
- IPv6 Deployment in CoE PSU
- IPv6 Deployment in Wireless LAN
- Deployment Issues
- Q&A





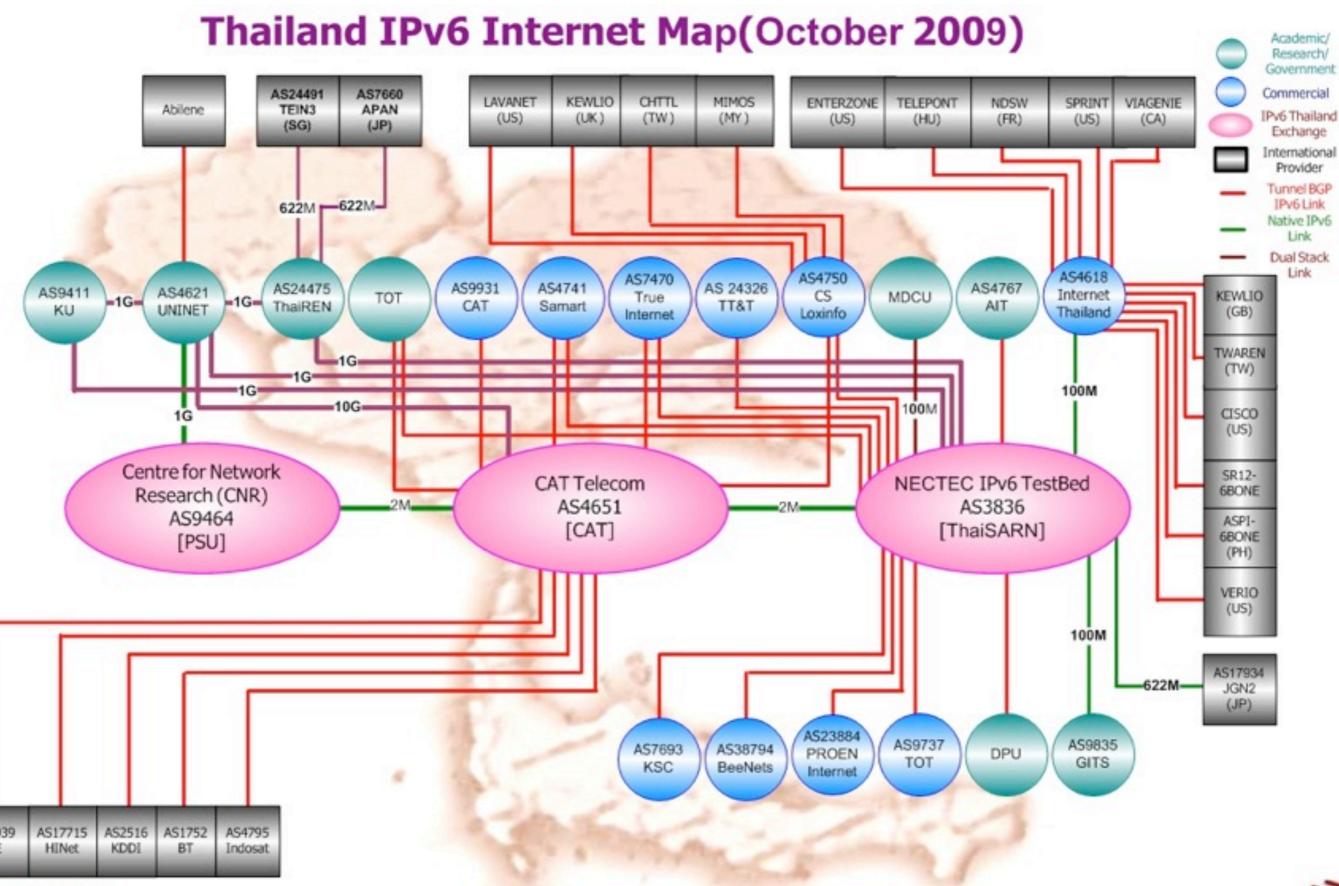


Introduction







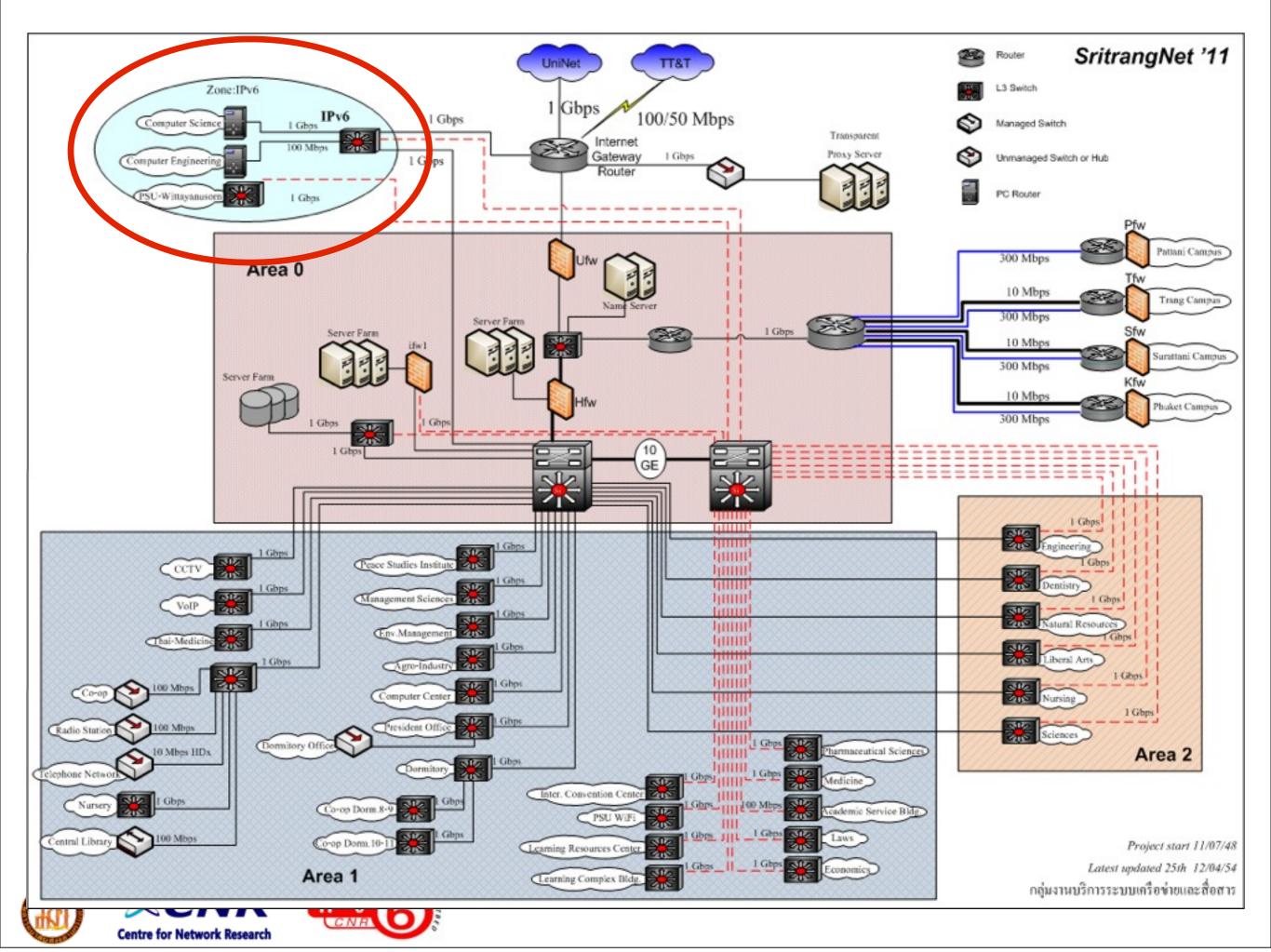


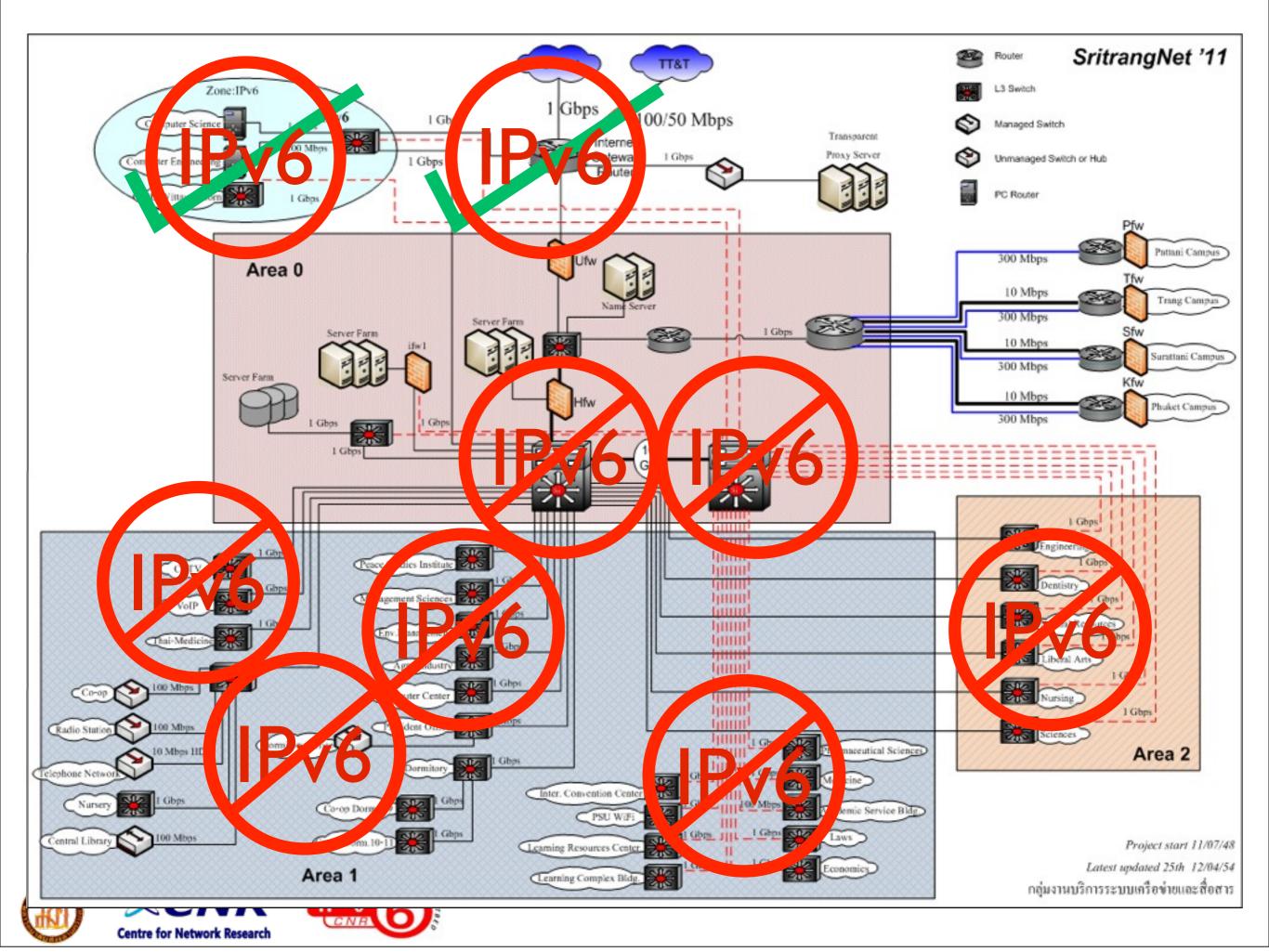
DISCLAIMER

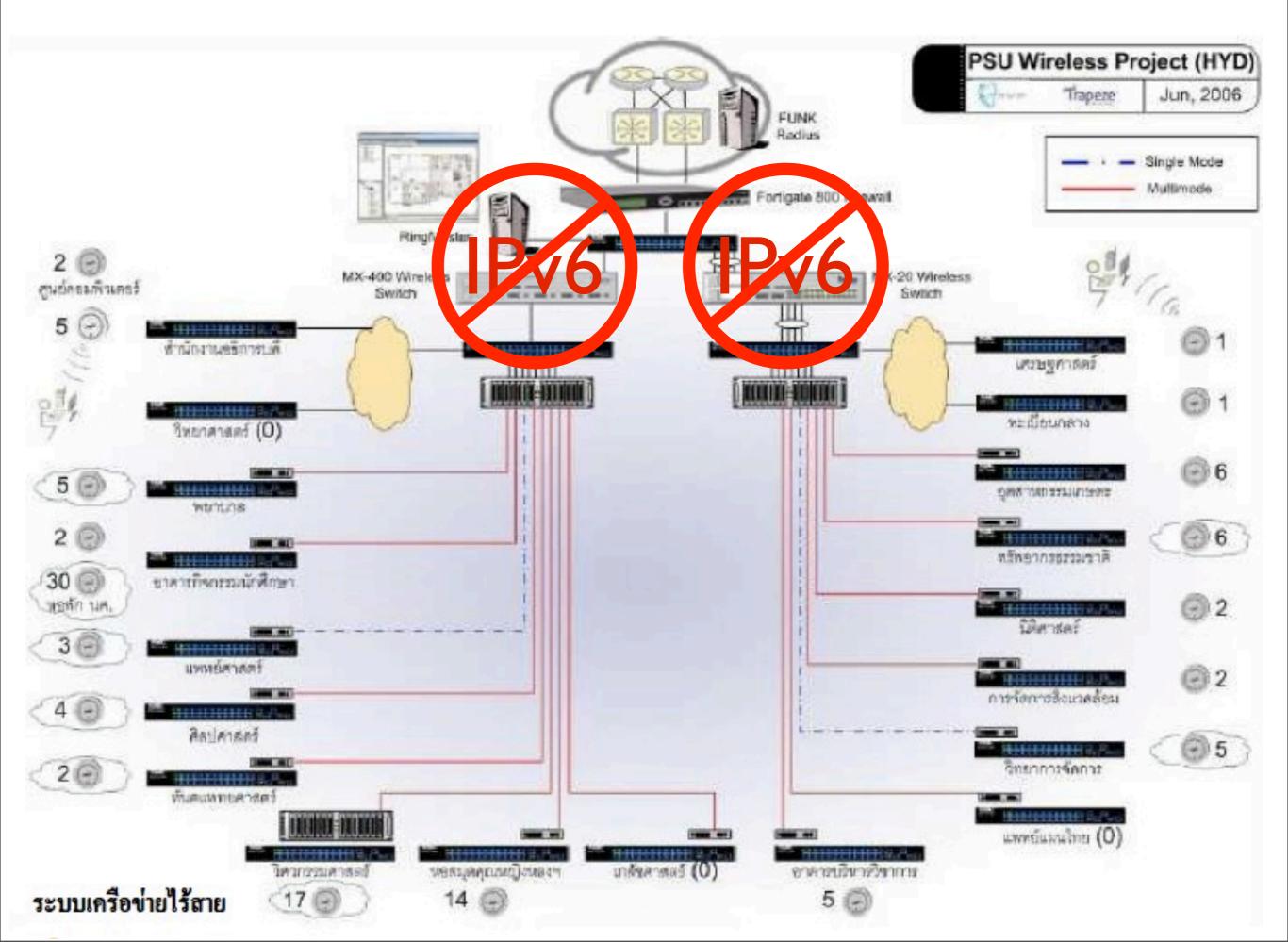
Chart Date: 2009-10-26

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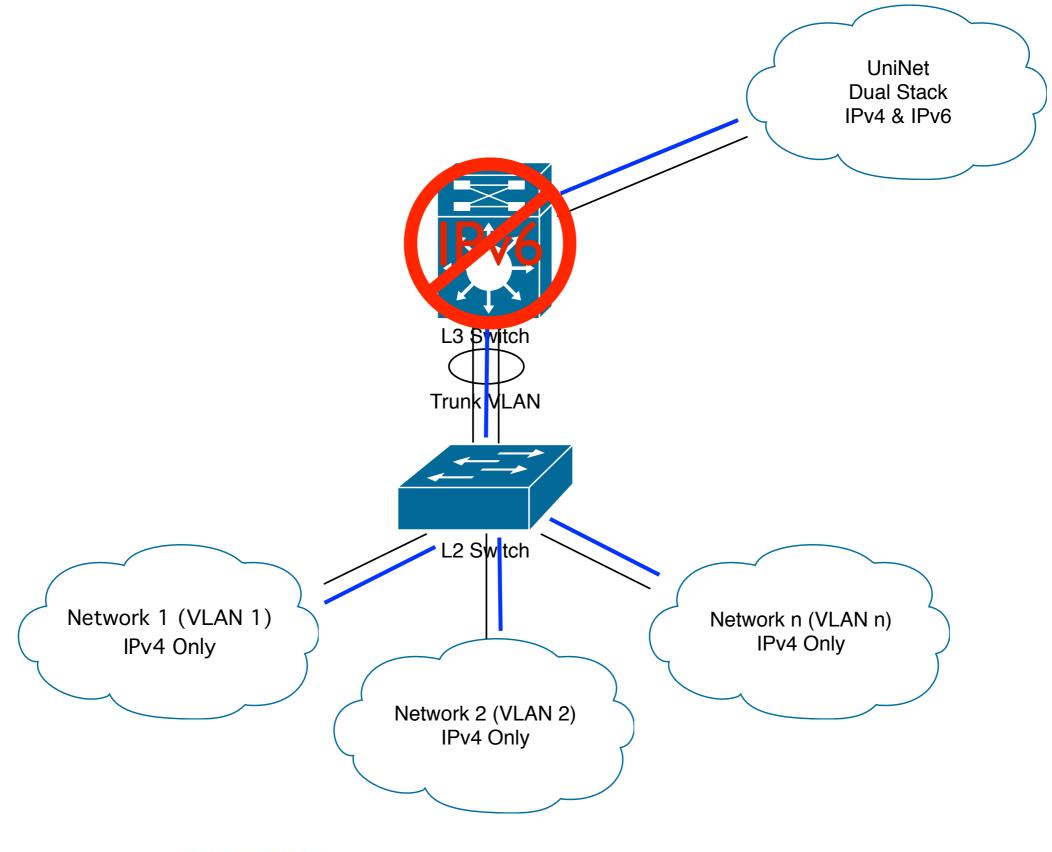
















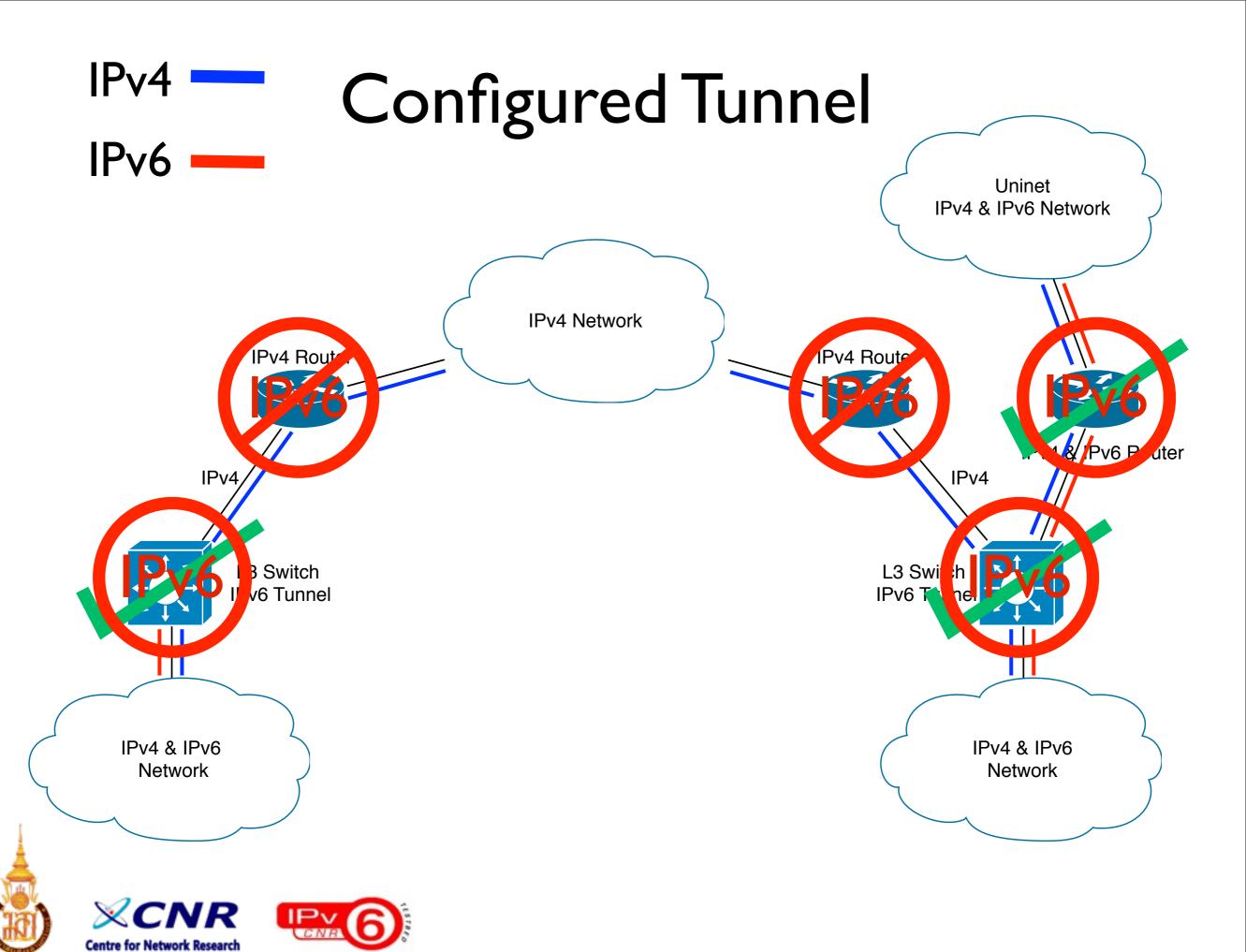


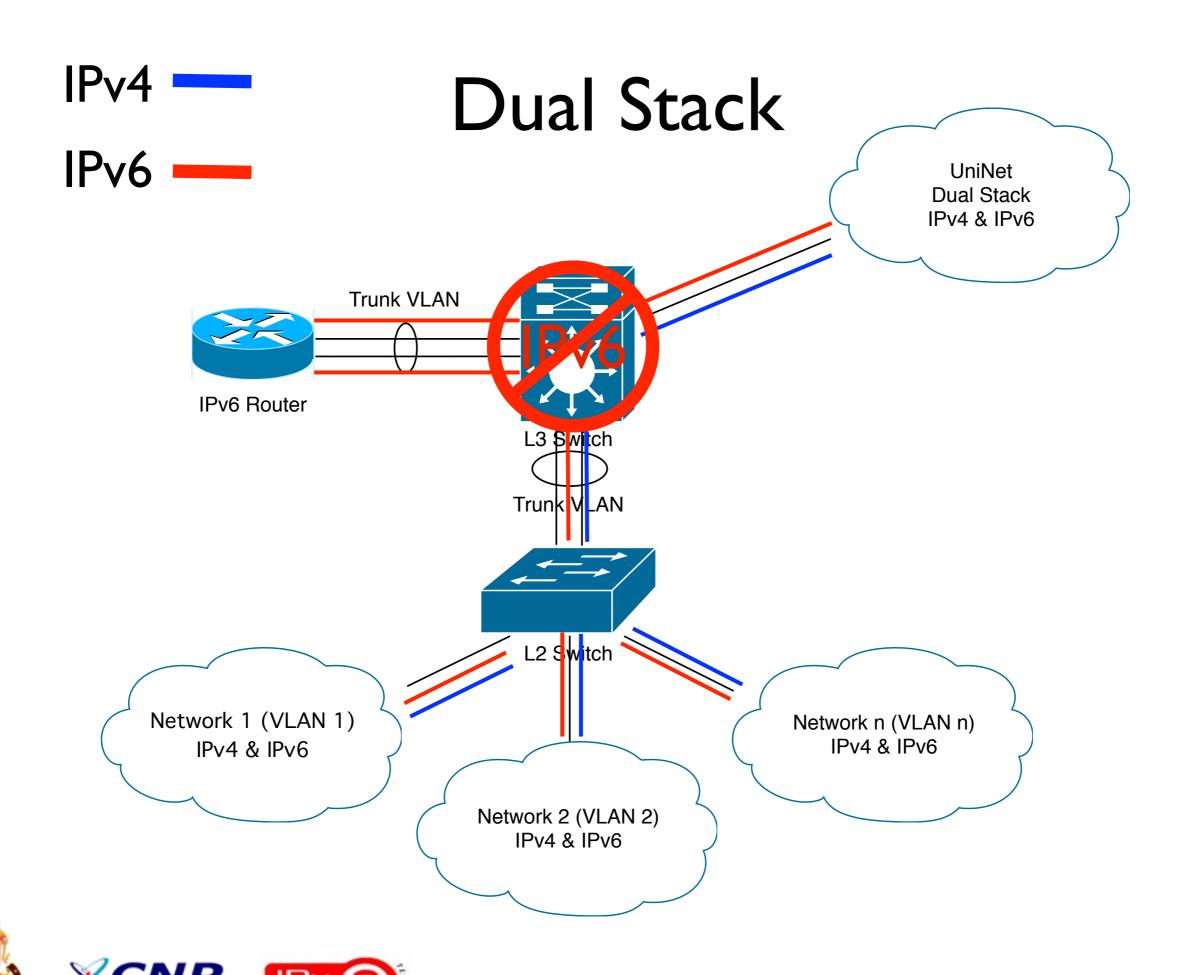
IPv6 Deployment



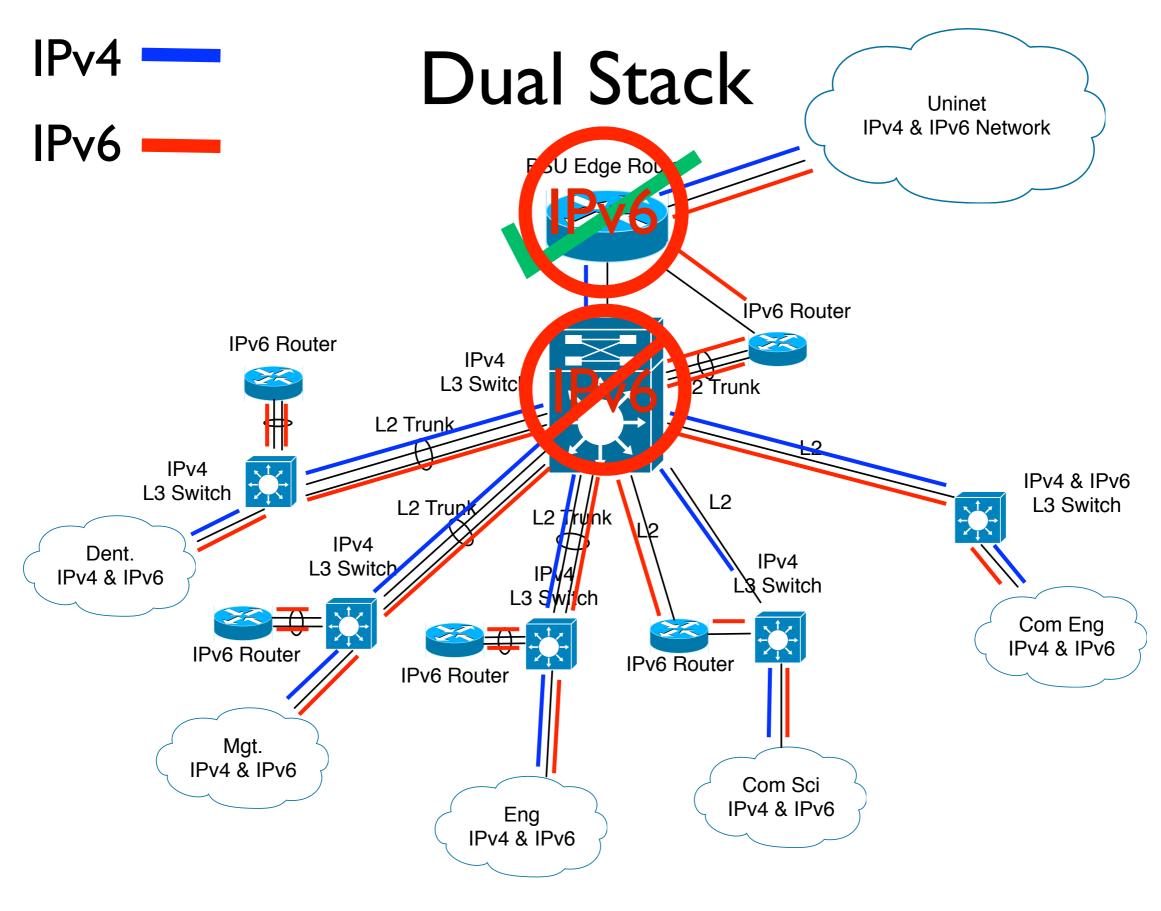








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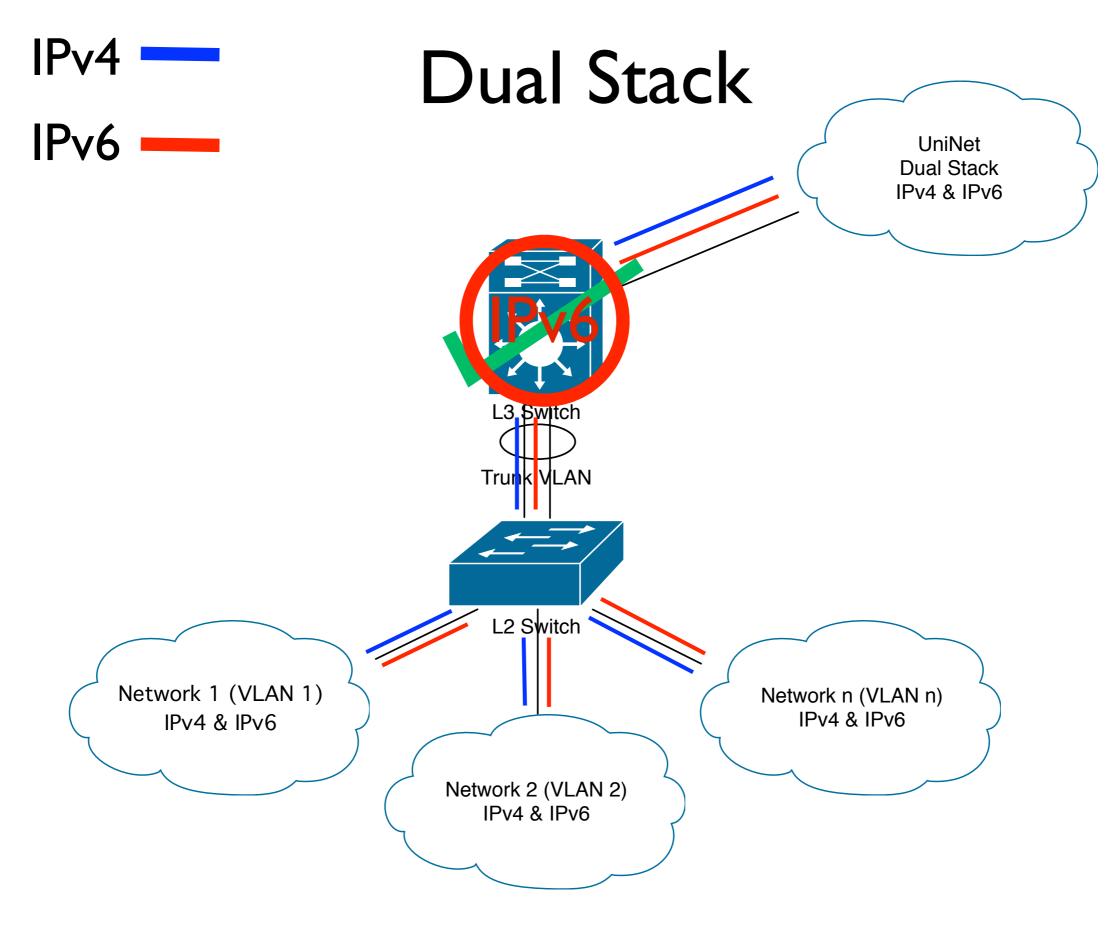


Longterm Solution













IPv6 Deployment in CoE PSU







History

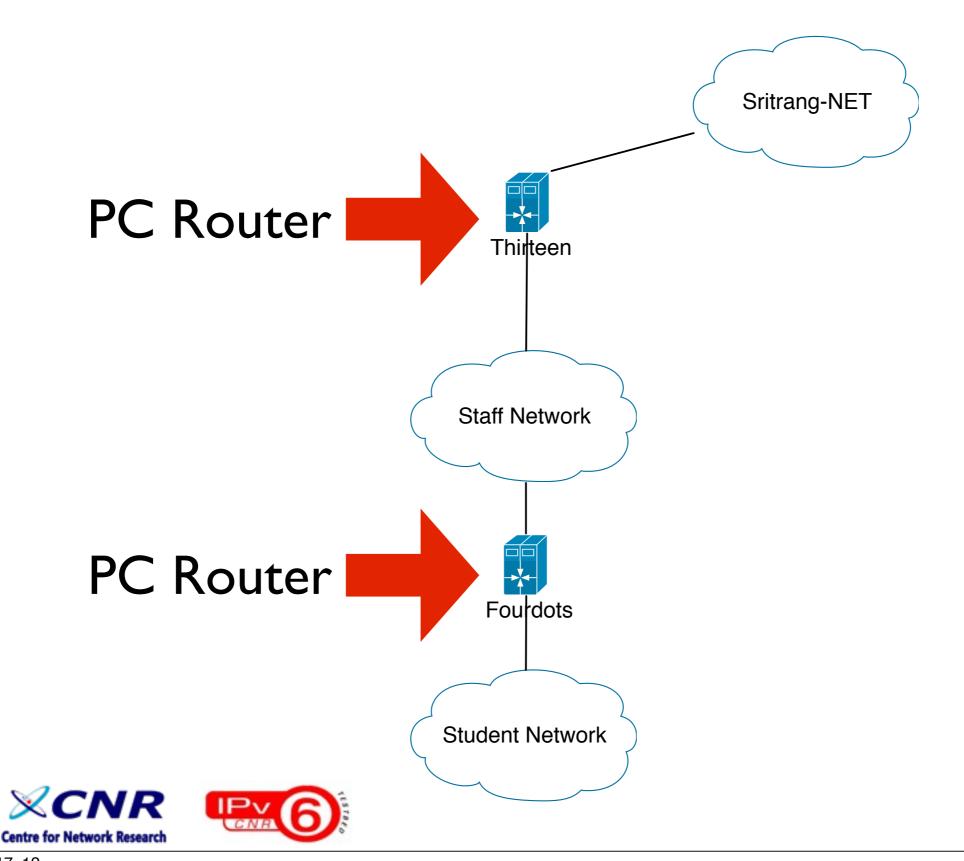
- IPv6 over tunnel to
 - Melbourne, AU (3FFE:8001:2:180::/57)
 - 6bone, CAN (3FFE:B80:53::/48)
 - Cisco, USA (3FFE:C00:802C::/48)
- Dual Stack
 - Uninet (2001:3C8:9009:100::/56)
- Native IPv6 (Research Network)
 - NECTEC and CAT Telecom (2001:3C8:9007::/48)
- IPv6 Multicast
 - SOI-Asia (2001:D30:114::/64)



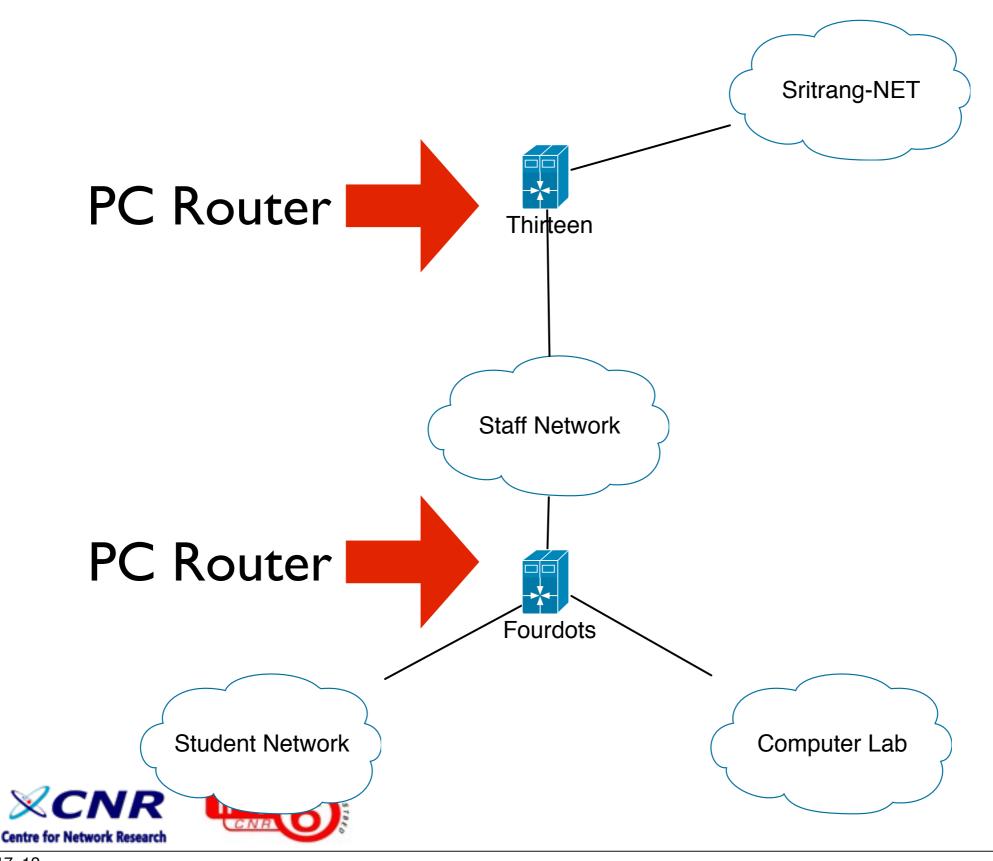


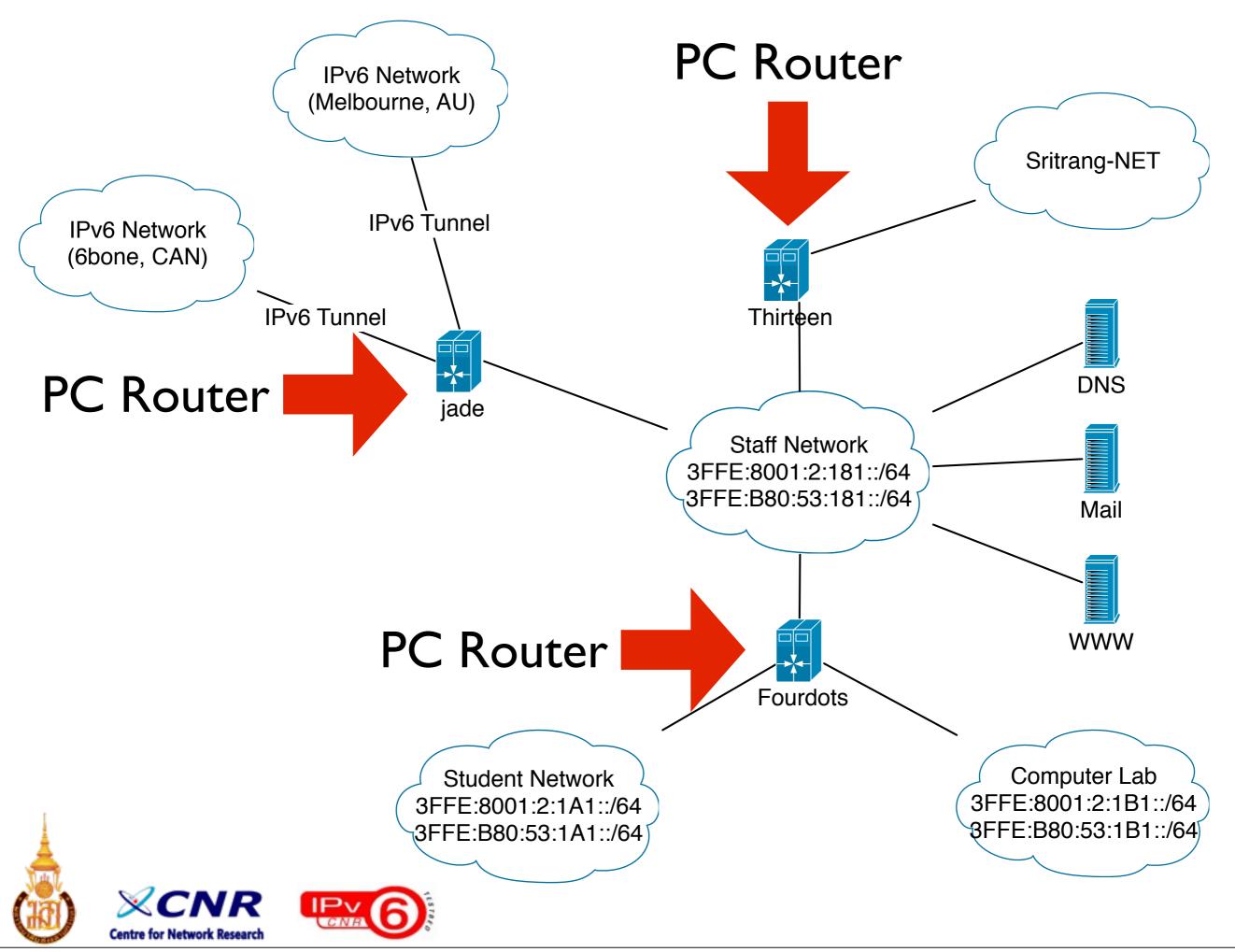


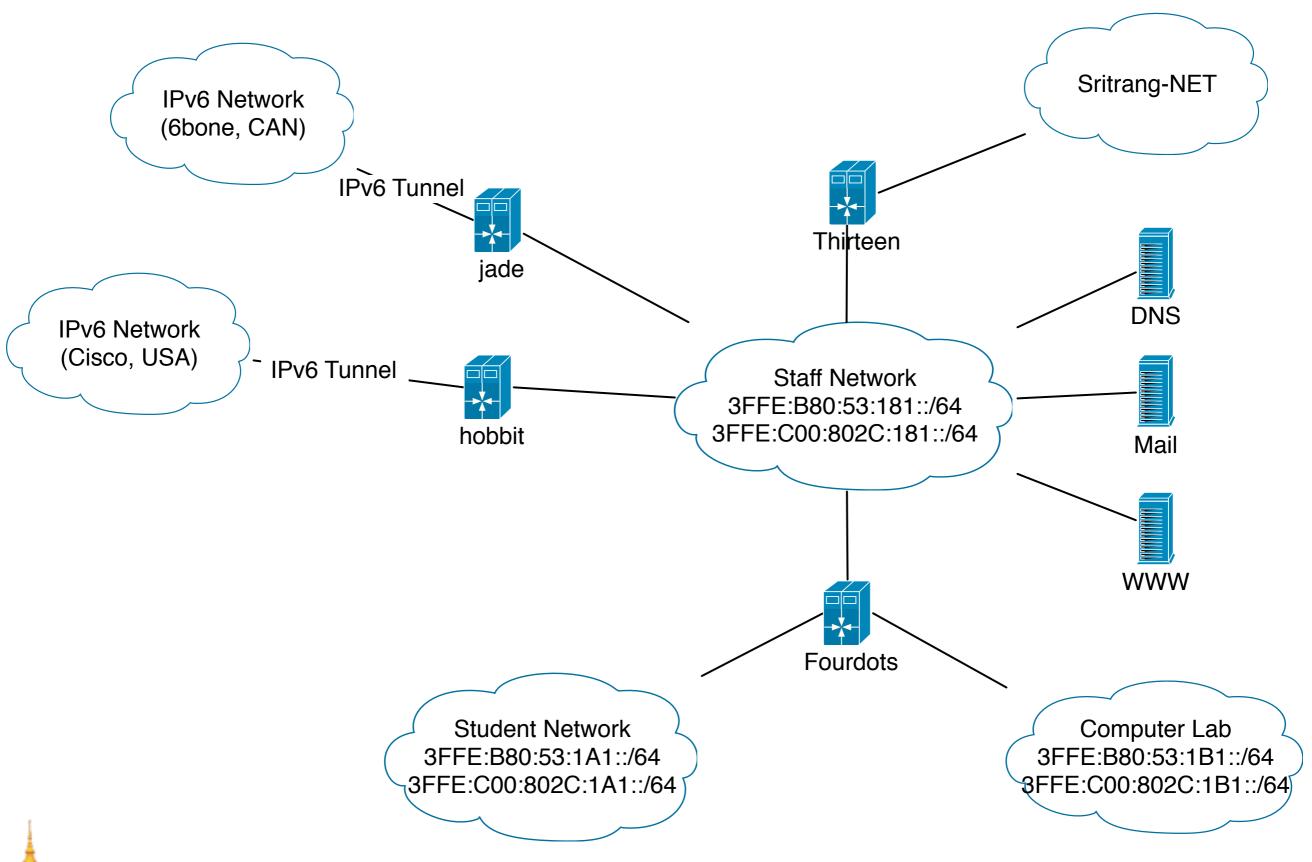
Before IPv6 era.



Before IPv6 era.



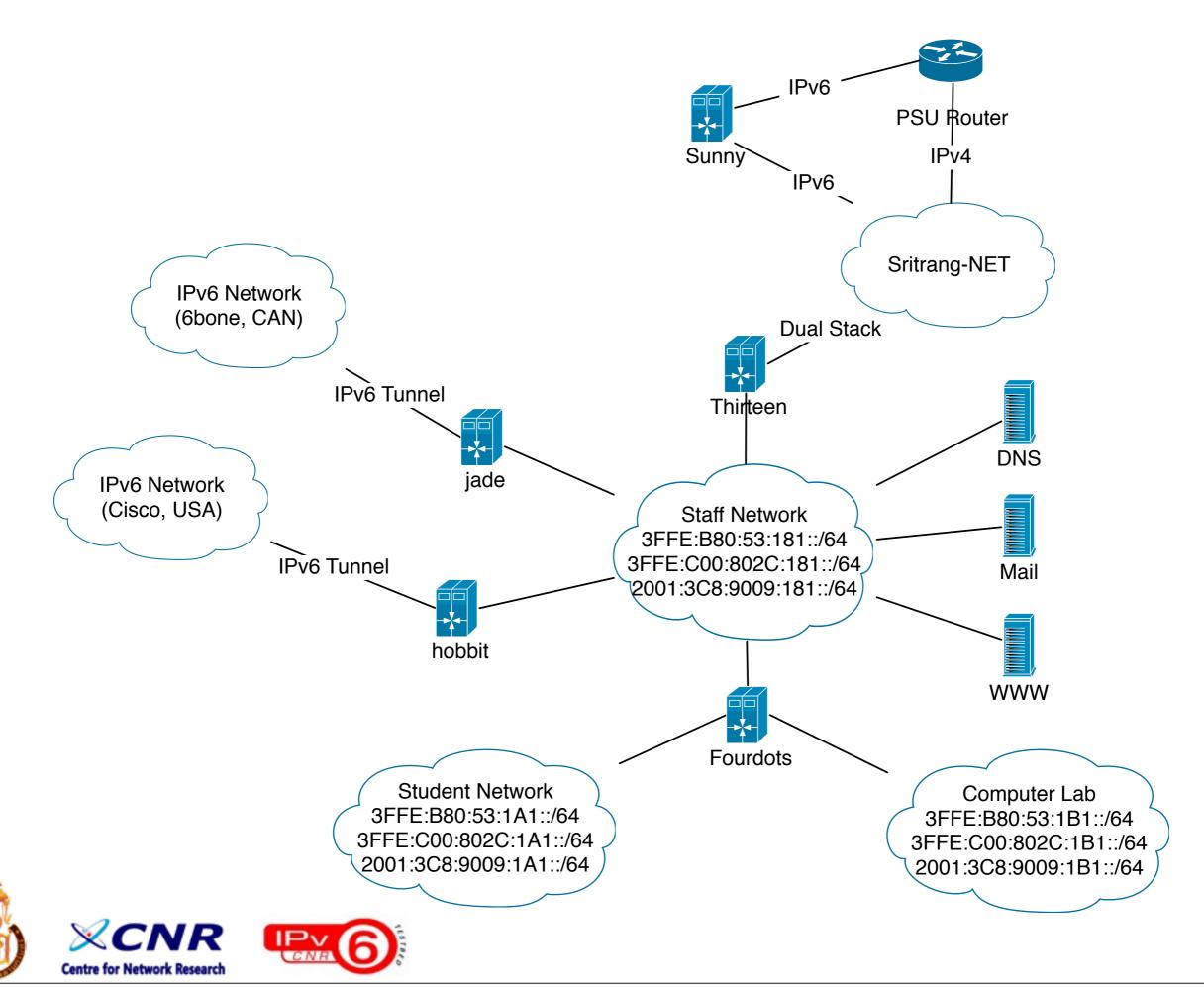












Current Status

- Fully IPv6 implemented Network
 - OSPFv3
 - BGP4+
 - PIM-SM for Multicast
 - DHCPv6 (stateless)
- IPv6 Services







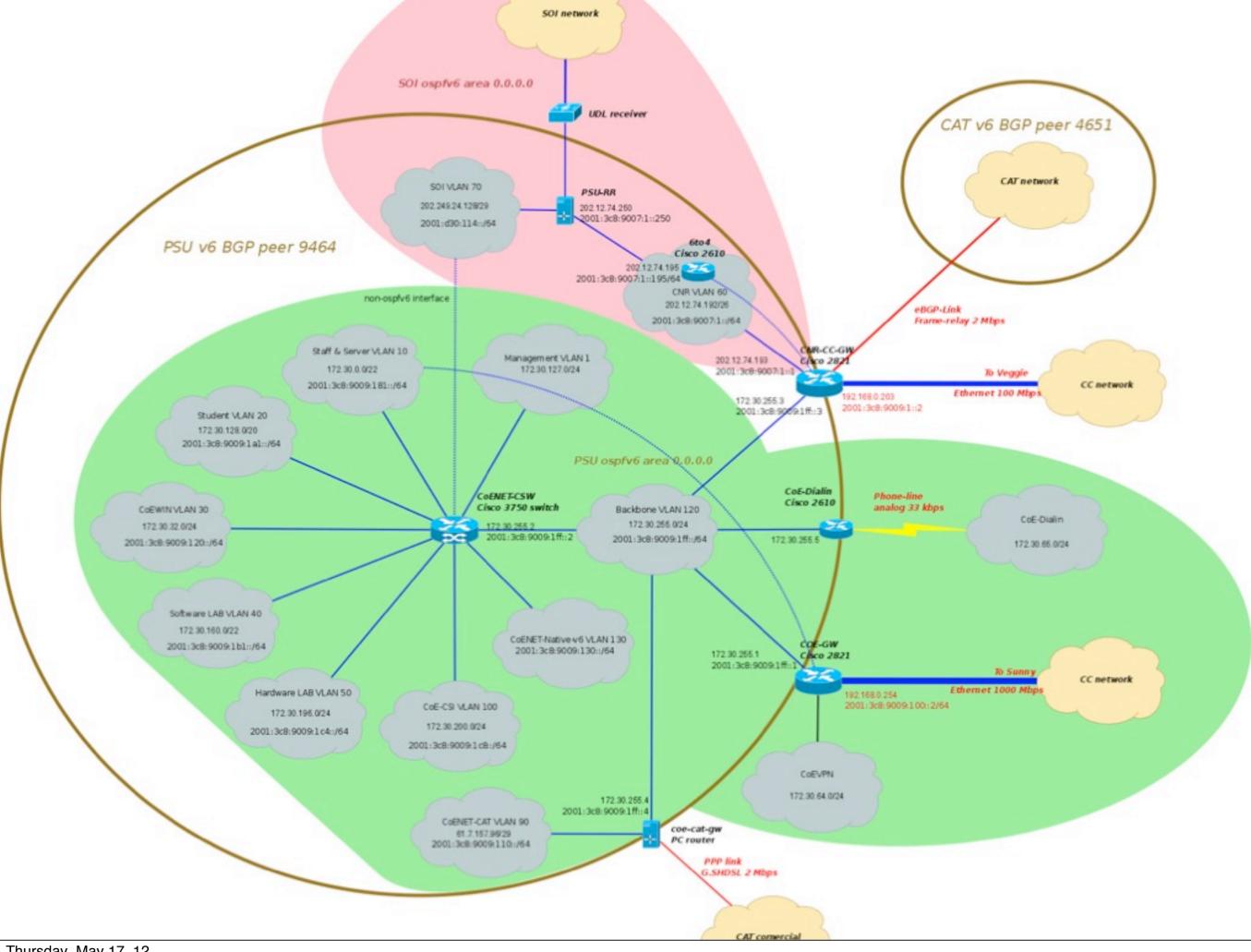
IPv6 Services

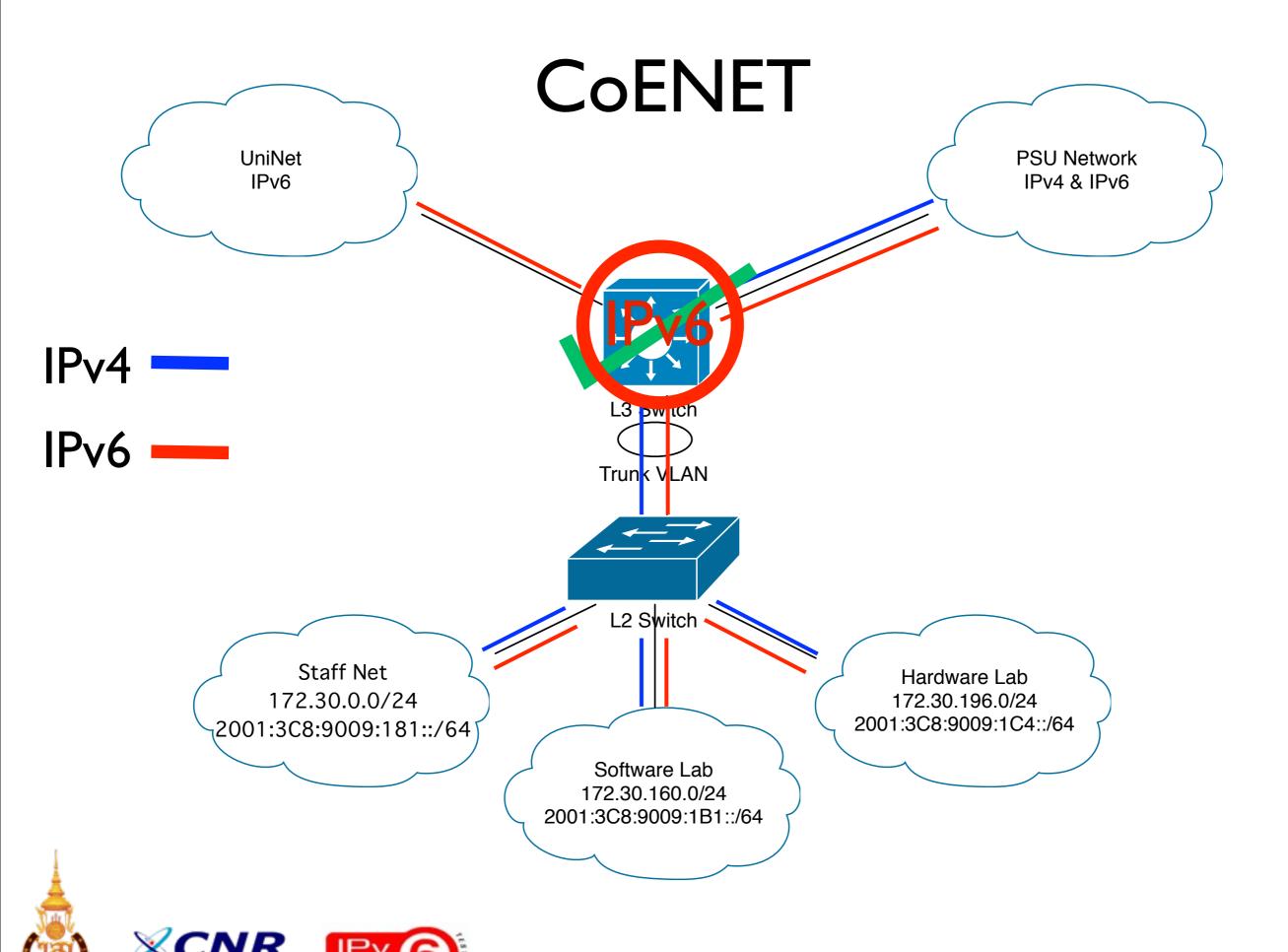
- DNS
- Web Service
- Mail (SMTP, POP, IMAP)
- Media Streaming (IPv6 Multicast)
- anythings that being blocked by IPv4 firewall...











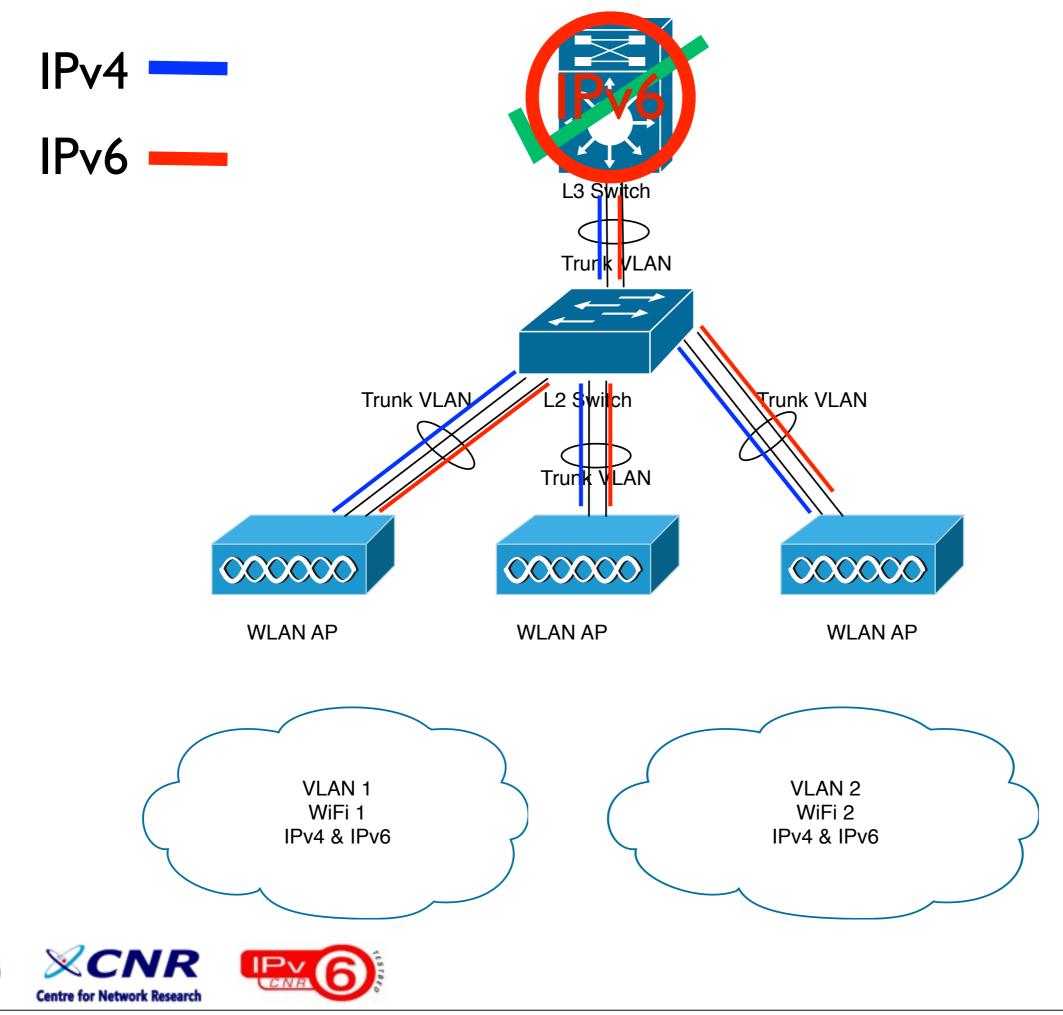
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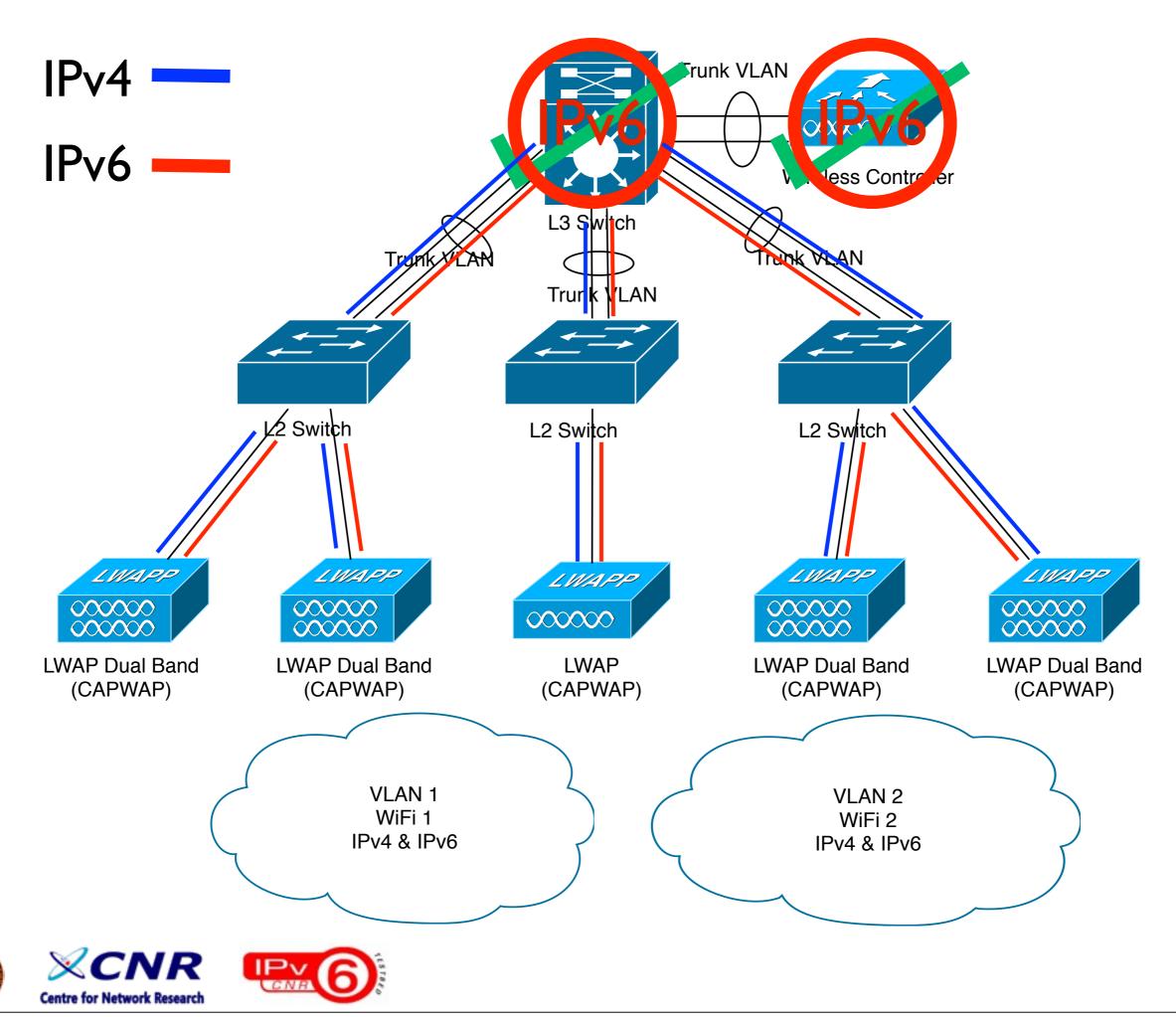
IPv6 Deployment in Wireless LAN











Deployment Issues







Deployment Issues

- Firewall & IPv6
- DNS and NAT
- Mail
- Stateless Auto configuration and DNS
- DHCPv6 client supported







Q&A





