

# Front-Line Assembly

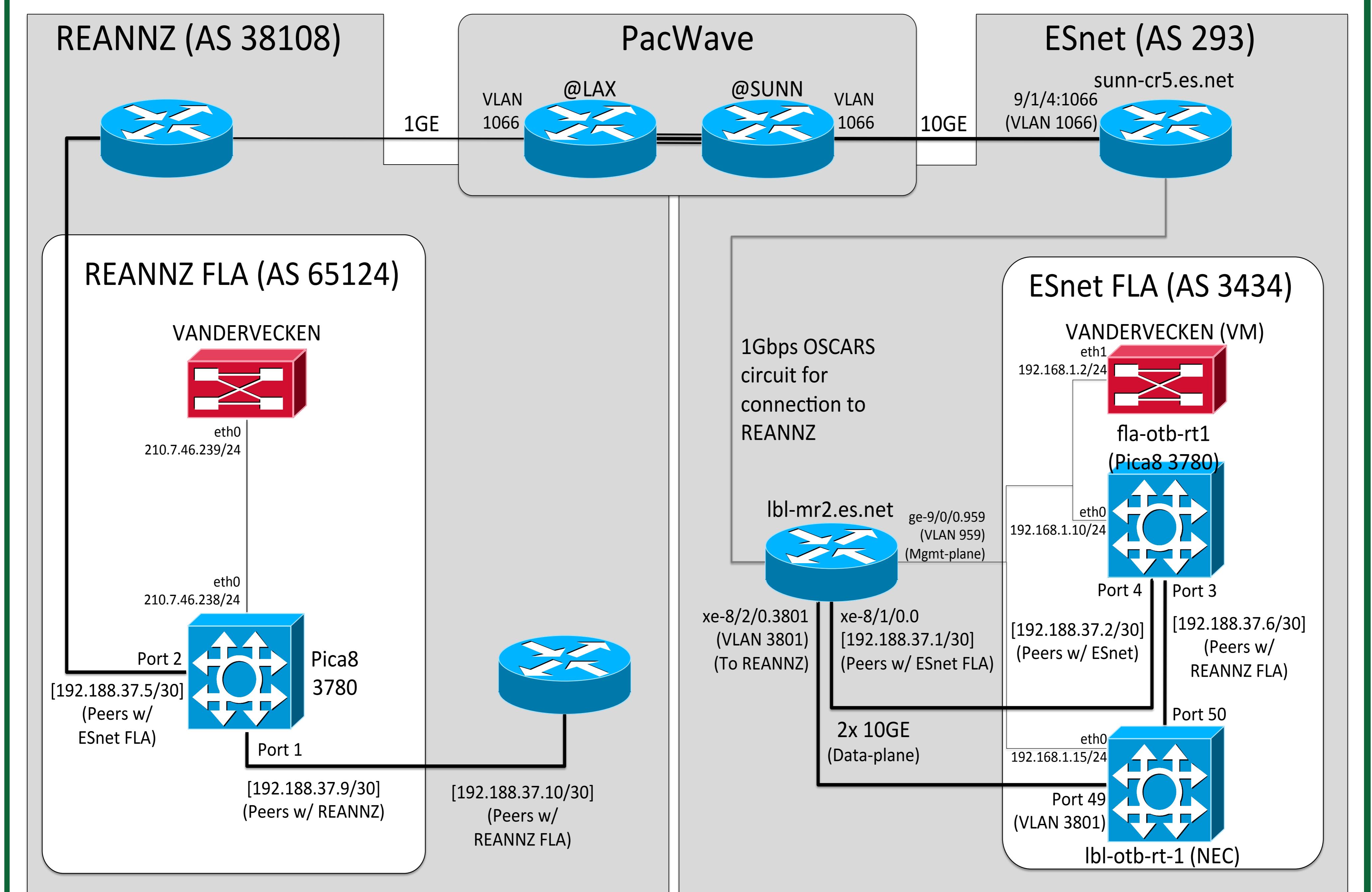
DEMO

First international BGP peering using SDN in production between two national-scale network providers

Innovative FIB compression enables using commodity OpenFlow switches for peering

Leverages community open-source packages.  
RouteFlow and Quagga

Demo Setup



## Results

- ~40% FIB Compression accomplished
- 13215 uncompressed routes, 7757 compressed routes

Demonstration Team:

Google Network Research – Josh Bailey, Scott Whyte  
REANNZ – Dylan Hall, Sam Russell, James Wix, Steve Cotter  
ESnet – Inder Monga, Chin Guok, Eric Pouyoul, Brian Tierney  
Acknowledgements - Joe Stringer