

Welcome to Technology Exchange 2016

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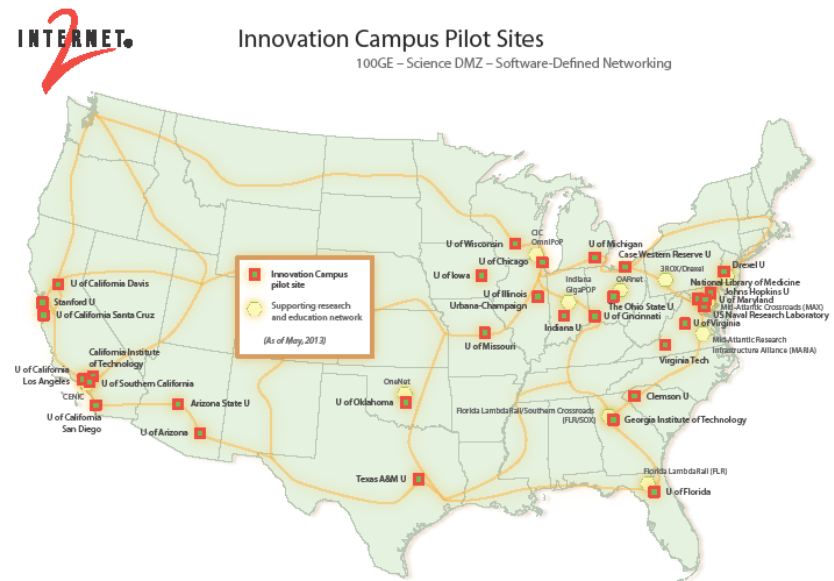
The one constant – Change

- ▶ Universities both large and small face an ever changing list of demands on IT services.
- ▶ Large Universities such as UF are:
 - Providers of Education.
 - Institutions of Research and Academic Development.
 - Providers of Healthcare.
 - Businesses.
 - A residential community.
 - A meeting place for a large number of guests.
 - A small town with a physical plant and police force.
 - And more...
- ▶ We must serve these constituencies across a large distributed campus environment, but at the same time meet our security, privacy and regulatory obligations.
- ▶ We must also be able to handle fundamentally new requirements without having to redesign.

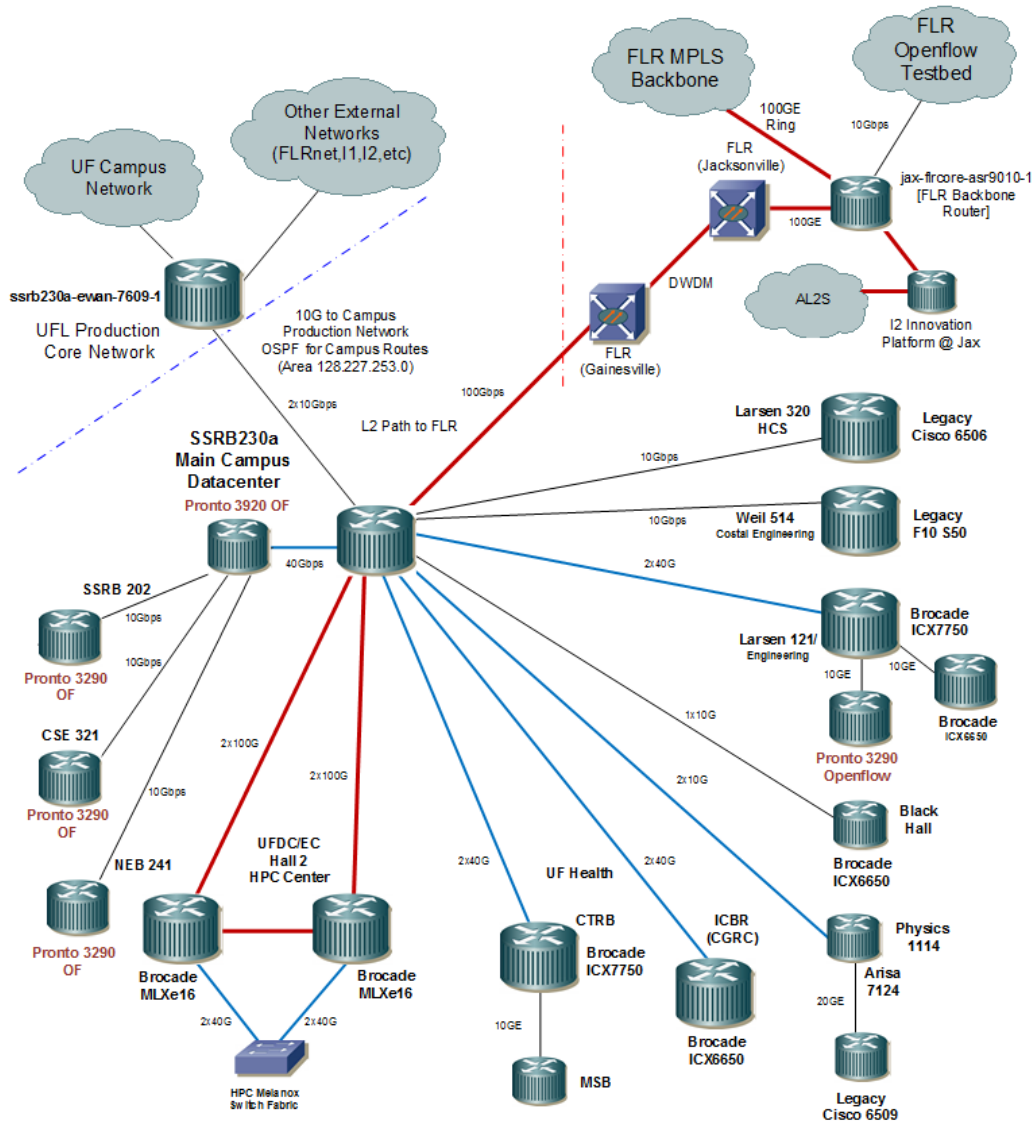
Strategic Directions

▶ “Friction Free” network for research

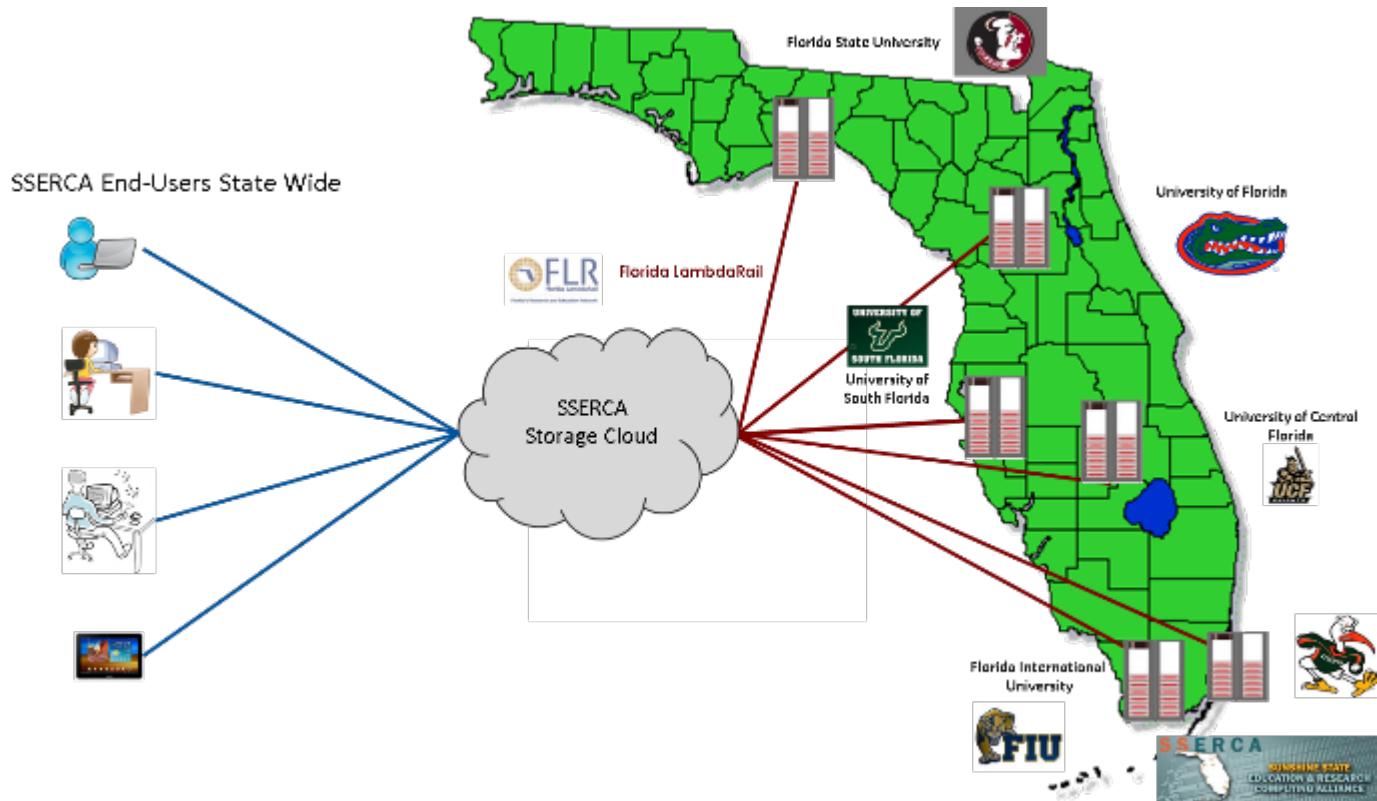
- 2003-2005 CRN
- 2013 – 100G to AL2S, Upgrade CRN to 200G capacity.
- 2016 – Connect to FLR Regional ScienceDMZ



UF ScienceDMZ



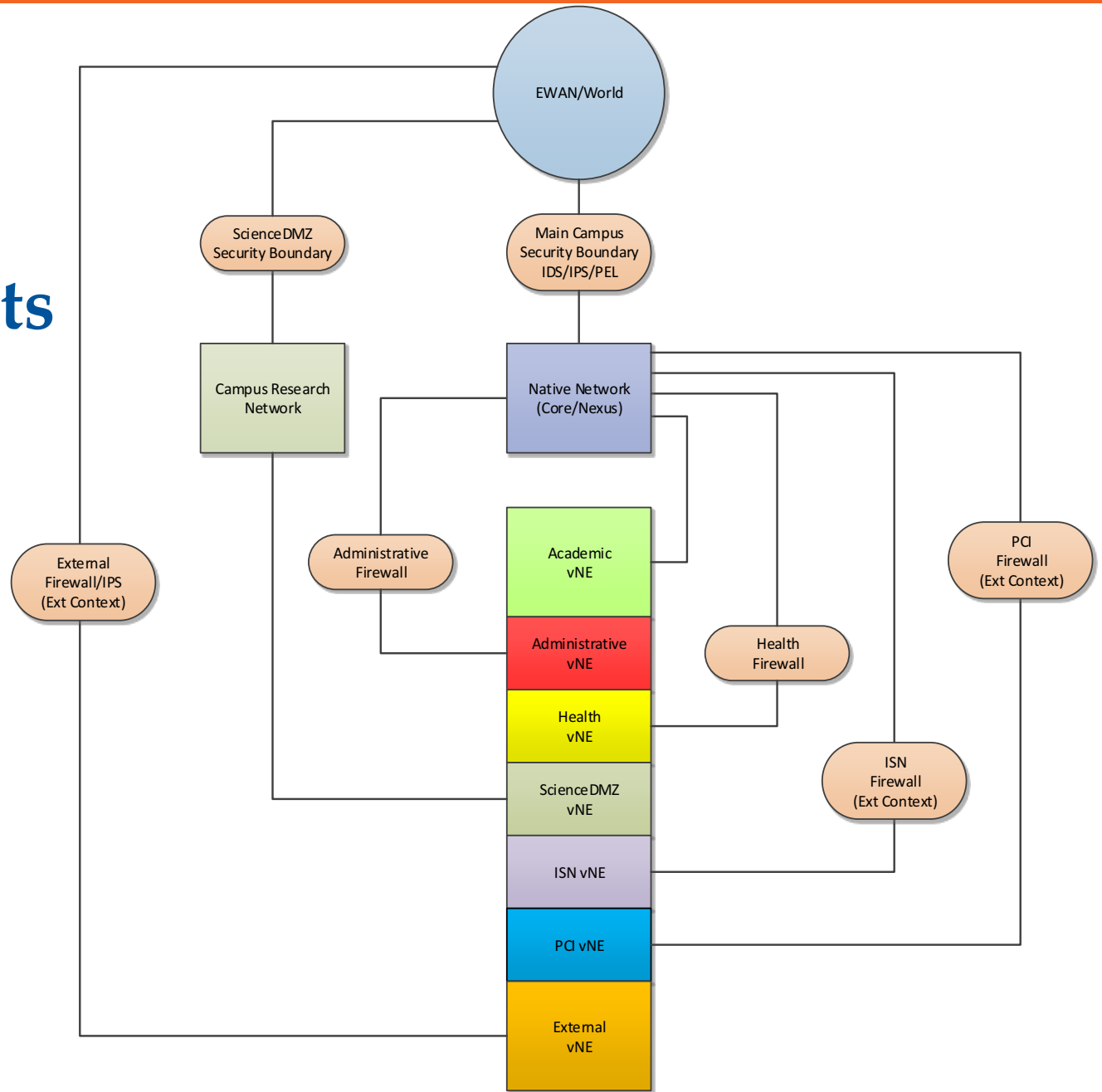
Connect to FLR Regional DMZ



Strategic Directions (cont)

- ▶ Virtualize the Campus Network.
 - 2014-2015. MPLS Based Network Environments
 - Data centric approach to networking.
- ▶ SDN approach for all major functions of the campus network.
 - 2016+ Build/Expose APIs to authorized groups
 - Border, Edge, Data center, NE Security and provisioning.
 - Device registration and location services.
 - All of our major services will be “programmable,” The network becomes an agile platform.

UFNet2: Virtualized Network Environments



Thank you and enjoy the conference!

