LBNL Site Update

Rune Stromsness

LBLnet Services Group

ESCC

15 July, 2013

Staff Turnover

- **8-person team**
- **New LBLnet Manager in May**
- **3 Vacancies remaining**
  - **interviews start next week**
- **Org chart change – Network and Security now report directly to CIO**

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Wireless Network

- **Wireless expansion, vendor change**
  - **Current wireless network ~ 200 Cisco autonomous AP's (mainly a/b/g)**
  - **In August will start rolling out ~600 Aruba controller-based a/b/g/n AP's**
- **Currently offer WPA2 employee SSID using standard lab credentials OR unencrypted, unauthenticated visitor SSID**
  - **90% of use is on "visitor" SSID**

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Router Replacements/100G Upgrade

- **Border Router Replacement**
    - **Old single Force10 replaced with pair of Juniper MX**
    - **Primary ESnet link upgraded from 10G to 100G**
    - **Should go live in September**
- **Site Core/Edge Router Upgrades**
    - **Currently core switch and two Cisco Cat6500 routers in same building**
    - **Planning to retire core switch and have four routers distributed around the site**
    - **Planning to add Science DMZ router**

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Router Replacements/100G Upgrade
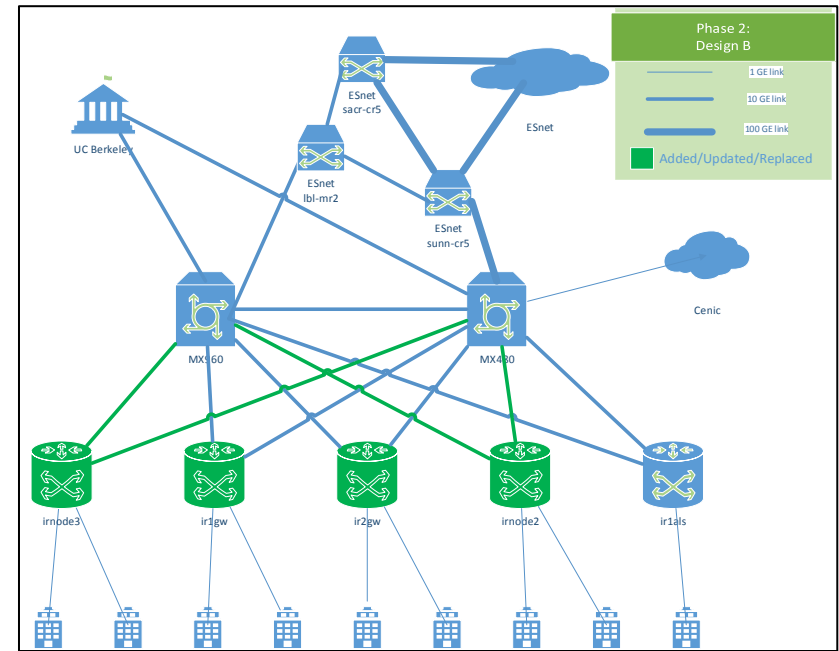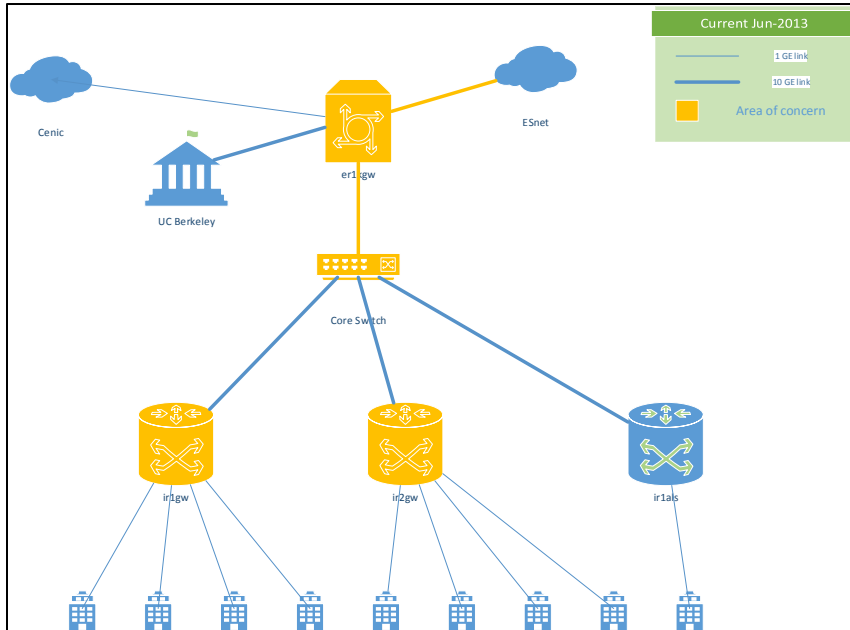
Multi-Vendor Edge

- Currently access/edge switches have all been from a single vendor

- Will get bids from several resellers in August for next year's switches with at least two competing switch vendors

Questions?

THANKS!

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