Challenges
WiFi

- Inadequate Coverage
- Inconsistent Performance
- Lack Technology Refresh Strategy
WiFi Access Point Upgrade

- Replaced 126 APs
- Increased bandwidth from 54 / 155Mb to 1Gb
- Added 28 new APs to a total of 315
Upcoming WiFi Improvement

Replace existing WiFi controllers with the ones from CDI resulting in better security and performance.
Campus Wide WiFi Assessment

- Identify infrastructure weak spots and upgrade path
- Estimate upgrade costs per building
Wired Networking

- Outdated electronics
- Inadequate port capacity & bandwidth
- Failing cable plant
- Inadequate data closets
Network Core Upgrade

- Campus Core network equipment upgrade in NAC
- 10 Gb bandwidth & fully redundant
- New fibers between buildings
10 Gb Network Uplink

Network bandwidth to CUNY increased from 1 Gb to 10 Gb
Upcoming Network Improvements

- $6M Capital Funding for Marshak & Steinman
- $2.7M Reso-A Funding for Shepard
Support

- Shrinking budgets
- Rising annual equipment maintenance costs
Cost Savings

- CUNY ETI / UWI
  - Cisco support contract
  - Microsoft Office suite
  - Adobe Cloud Connect
  - VMware

- New equipment from CDI

- Surplus from CUNY or other campuses

- Grants
CUNYFirst

- Numerous functionality gaps
- Sporadic outages & slowdowns
- Complicated security provisioning
Alert Bar

Developed an application to allow posting of emergency messages at the college website and CityCentral
CityCentral

- CUNYfirst student portal
  - Course schedule
  - Transcript
- Faculty & advisor portal
  - Student records
- Emergency messages
Course Schedule Report Automation

Daily CUNYfirst process to download and distribute class schedule
Online Security Form

Developed a CUNYfirst ASL form for Campus Solutions
Security

• Raise awareness

• Establish policies & procedures

• Fill security gaps in infrastructure
- Send out security advisories and reminders
- Hold weekly & on demand security workshops
- Create security guidelines & procedures
• Leverage new security applications like firewalls in CDI

• Implement encryption for notebook computers & mobile devices
Student Access

- Nemo-Q queuing system
- WiFi printing
- Student Elections voting system
- Graduation Cancellation application
Fund Raising

- Herman Badillo Scholarship Fund Page
- Florence Cosloy Donation Page
- NYC Visiting Fellowship in Transcranial Magnetic Stimulation Site
- Edward Blank Contribution Page
Thank You