

UCFSD Technology Update September 2018

Executive Summary

- Technology team completed over 95% of summer projects
- Network phase I off to a great start
- Chromebook rollout for technology initiative program complete
- Projects in line with three year technology plan

2018-19 Technology Priorities

Keep the Lights On

- Design and implement technology security program
- Stay current on hardware and software
- Support mission critical systems

Execute Board-Approved Initiatives

- Continue LMS and Chromebook rollout
- Expand network bandwidth
- Improve network resiliency and redundancy

Refresh End of Life Equipment

- Replace aging classroom systems
- Replace Telephone systems

Evaluate Emerging Solutions

- Assess new classroom technologies
- Assess district office automation opportunities



Keep the Lights On - Completed Tasks

- Upgraded our Powerschool System
- Upgraded our Digium Telephone System
- Upgraded our VMware Virtual Environment
- Upgraded 65% of our existing network infrastructure (firmware)
- Created/Updated ~600 staff and student accounts
- Upgraded and Reconfigured our Mobile Device Management System
- Added ~200 Chromebooks at our Elementary buildings
- Google Domain Audit remediation



Board Approved Initiatives - Completed Tasks

- Fiber installation at Unionville Elementary and Chadds Ford Elementary
- 18 new fiber drops at Unionville High School
- 2 Core Router upgrades
- 33 Switch upgrades at Unionville High School
- 13 Switch upgrades at Unionville Elementary
- 1 Switch upgrade at Chadds Ford Elementary
- Rolled out ~1,400 Student Chromebooks



Refresh End of Life Equipment - Completed Tasks

- 430 staff and student (shared devices)
- 18 classroom Smart Boards with new Smart Interactive Panels
- 41 classroom sound systems with Front Row systems
- Andover system
- 10 Cafetera terminals (mobile solution)



Evaluate Emerging Solutions

- Apple School Manager at our Elementary buildings (Complete)
- Automated Account Provisioning Service (In progress)

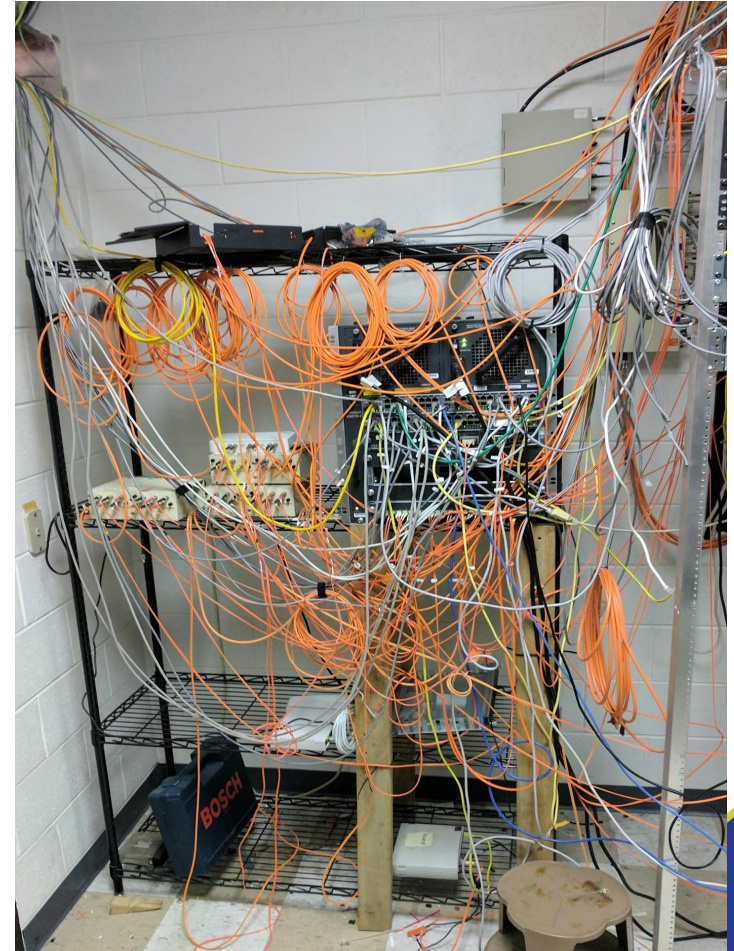
2018-19 Look Ahead

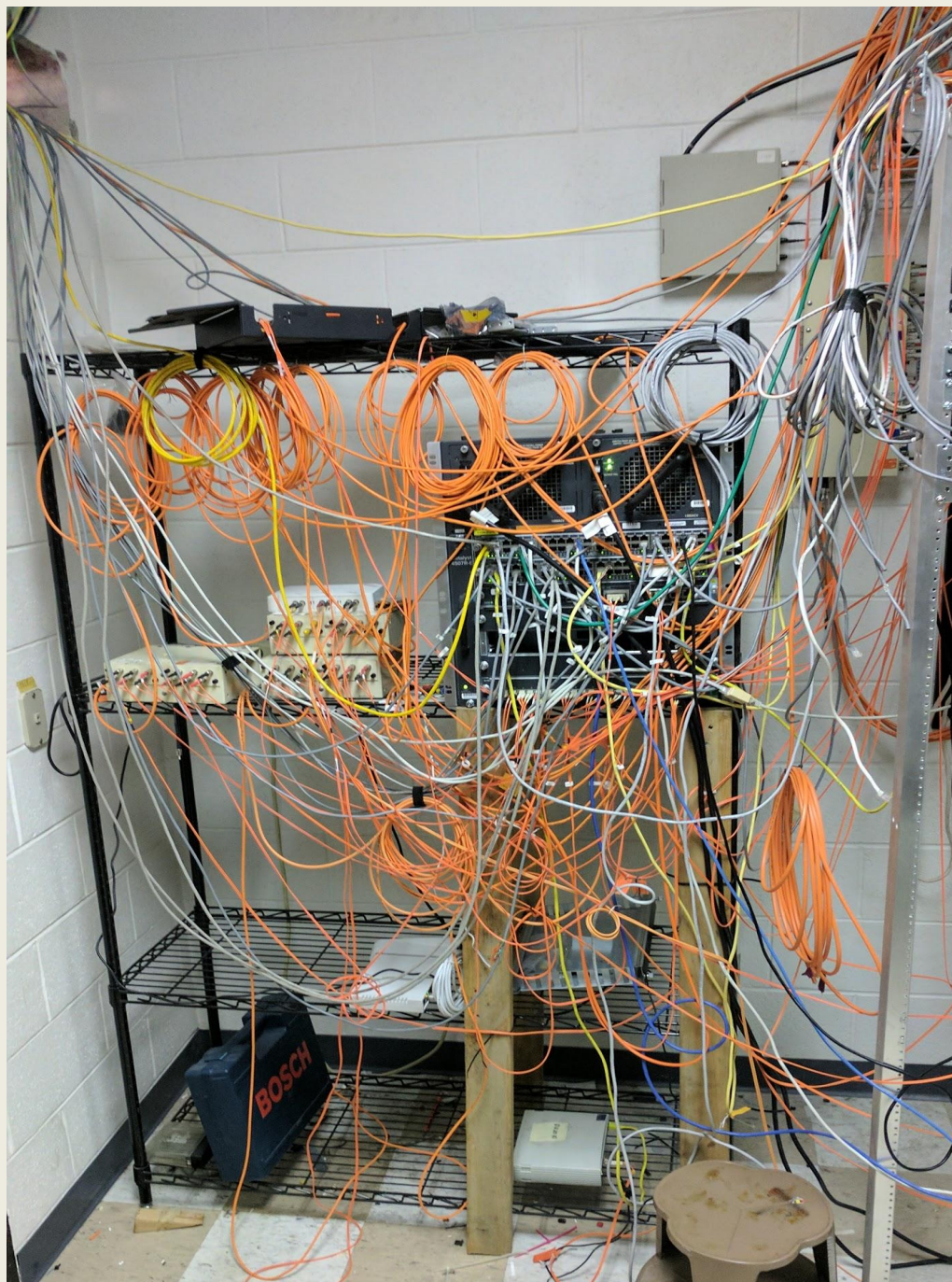
- Conduct a Wireless Assessment (December 2018)
- Deploy new account provisioning utility (December 2018)
- Finish fiber internet line transition at PES and HES (January 2019)
- Roll out final set of Smart interactive panels (March 2019)
- Conduct a Security Assessment (May 2019)
- Complete Network Phase I (March 2019)
- Continue to refine our Mobile Device Management Solution (ongoing)
- Evaluate single sign on opportunities for online curriculum (ongoing)

UHS Internal Fiber Project Update

Past State

- All fiber (18 runs) ran from our main data center inside UHS to our extended distribution racks throughout the building are **multimode fiber**
- All fiber is terminated in a side room of the data center, **unlabeled and located on a baker's rack**
- All fiber runs are **too short** to extend to the data center



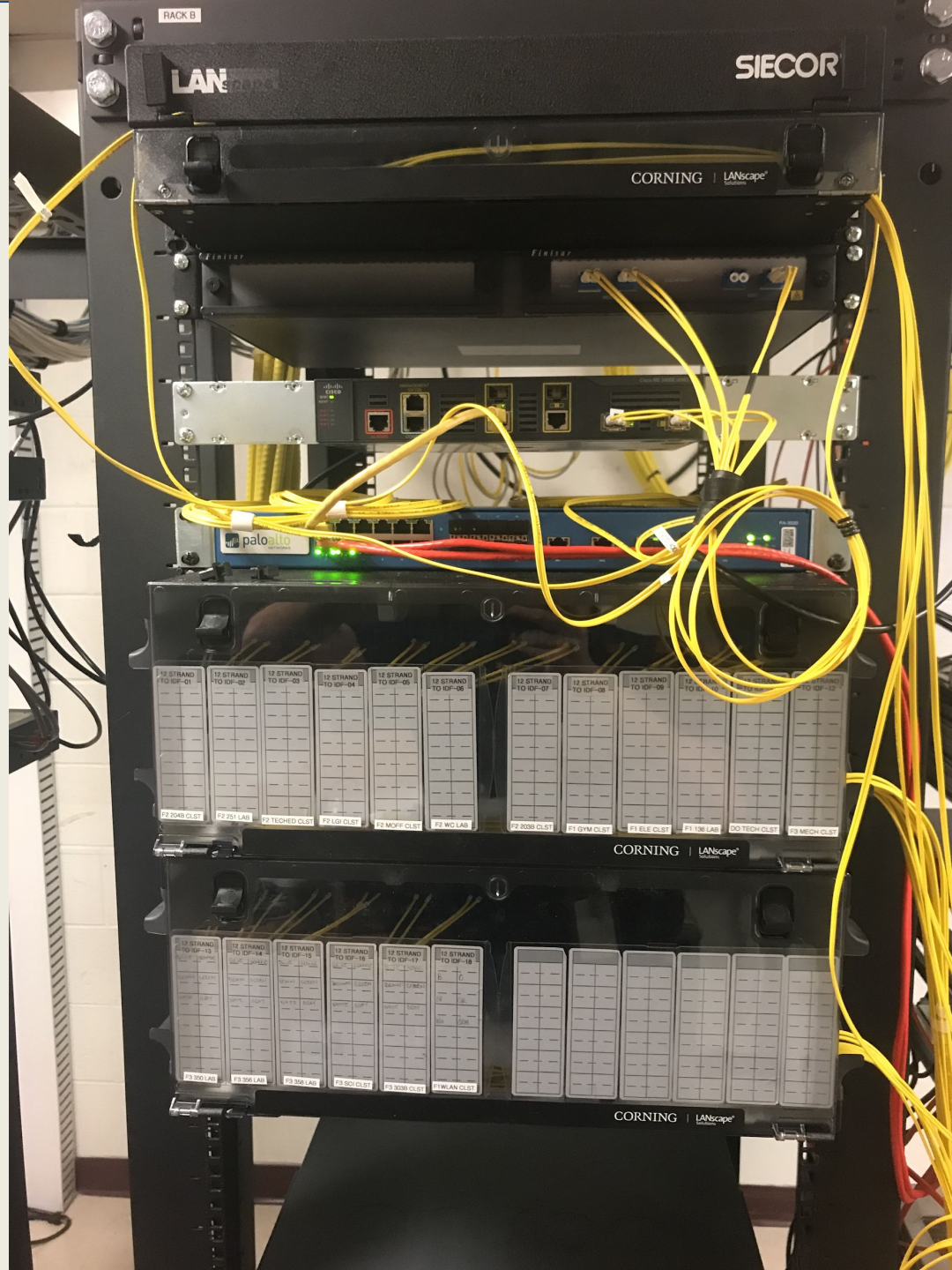


Current State

- Current fiber is **single-mode fiber**
- All fiber strands are terminated in our UHS data center and properly labeled
- All fiber strands (6 in total) are terminated at each distribution rack







Network Phase I Update

- March 19, 2018 - Board Approval
- June 2018 - Network design and implementation plan
- July 2018 - Purchase network equipment
- **June 2018 - March 2019 - Install and configure network equipment**
 - Completed UHS switch installation
 - Completed UES switch installation
 - PES switch installation
 - CFES switch installation
 - Elementary wireless installation
 - Elementary firewall installation
- May 2019 - Perform security audit on UCFSD network

We are
here

