



The Installation of High Speed Wireless Access Infrastructure for Dense Deployment in Data Center 3 was a Success!

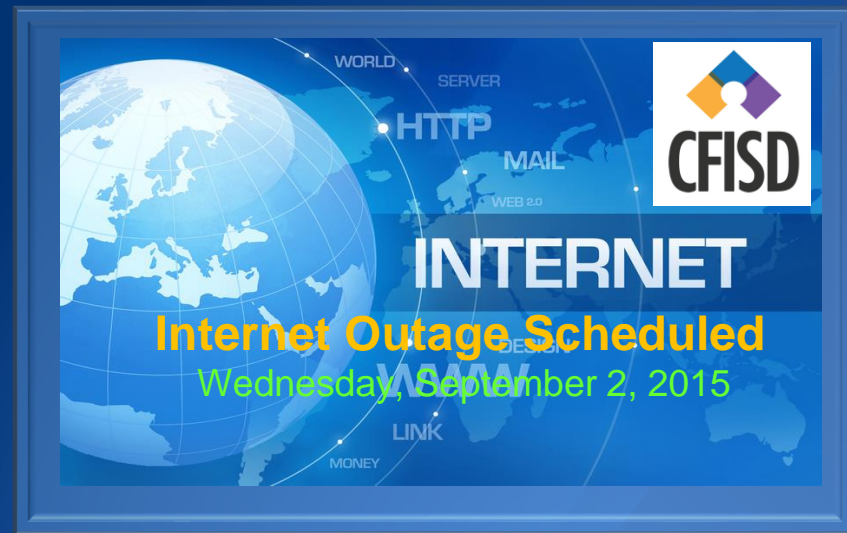
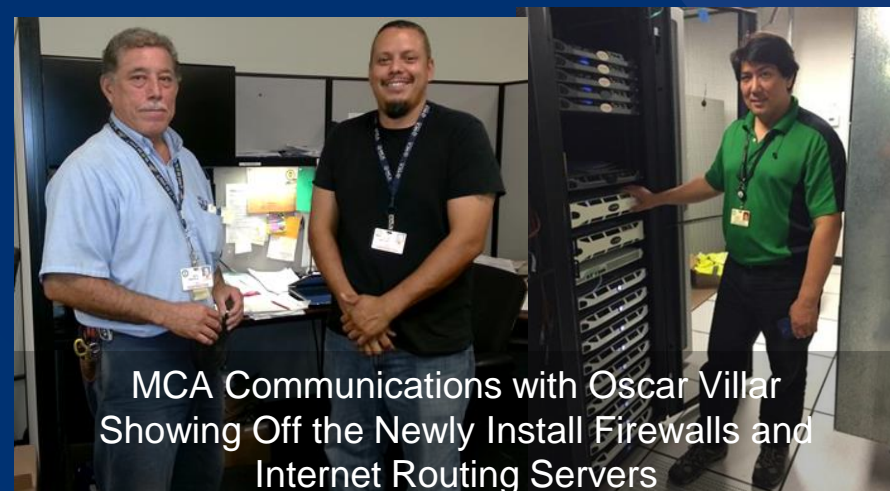
Starting at 5:00 p.m. on Wednesday, **September 2, 2015**, all network services were taken offline to install the infrastructure needed to support high speed wireless access infrastructure for dense high speed, wireless access deployment..

Dense deployment means that the additional high speed cabling drops to provide full wireless coverage at the high schools will now be able to connect to the new core infrastructure (at a much faster speed).

With staff working from 5:00 p.m. to midnight, including Paula Ross, Oscar Villar, Derly Buentello, Presidio, Layer3, M&S, Bluecat, and MCA, the next page is a summary of what was completed.

The great news is all network services were back online the next morning, without any campus or users experience any connectivity issues. Our team is amazing!

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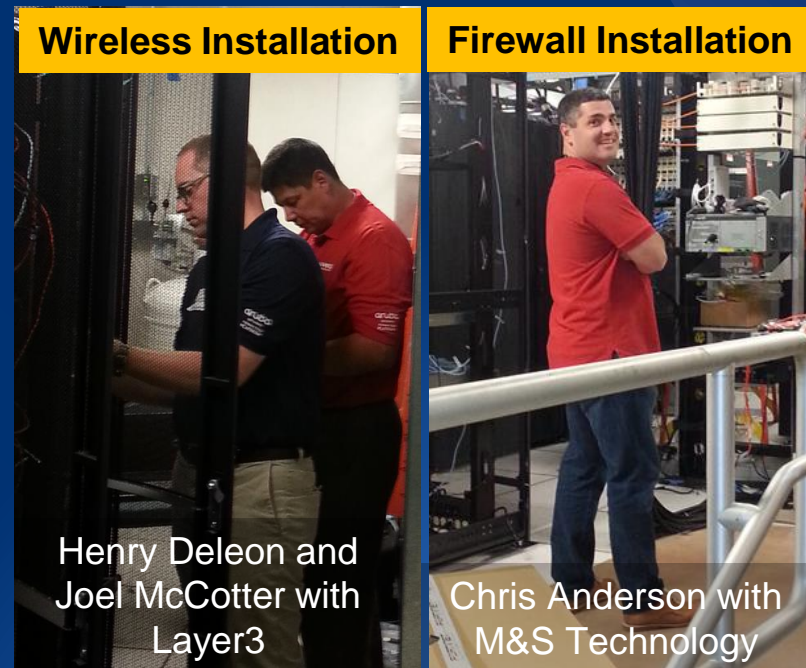




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Summary of work completed in Data Center 3 on Wednesday, September 2, 2015

1. Migrated the network switching routers for Bring Your Own Technology (BYOT) and Visitor traffic off of the old core network infrastructure. This increases the network speed by segregating traffic which will result in increased memory and processing utilization.
2. Migrated from the BYOT/Visitor network address (10.56.x.x) range originally spanning the wireless environments to a new subnet for Aruba BYOT/Visitor access (10.139.x.x)
3. Upgraded the network to 10 GB connectivity from each controller with redundant 10GB connections to the core network infrastructure.



Henry Deleon and
Joel McCotter with
Layer3

Chris Anderson with
M&S Technology

All of the planned Aruba network components for the Data Center 3 are now installed and operational from Data Center 3 as a temporary configuration until Data Center 4 is 100% operational. Once the 2nd Internet Service Provider (ISP Cogent), can be moved, along with the new Internet Protocol (IP) addresses, we will move the Aruba wireless configuration from Data Center 3 to 4. We are now positioned to “cutover” to the CyWoods HUB on **September 25, 2015**. The team will be working on a conversion schedule for the remaining high schools and continue engineering efforts at Data Center 4.

Leadership and Vision

Posted by Frankie Jackson, Chief Technology Officer

September 4, 2015



Project Planning and Execution of the Installation of High Speed Wireless Access Infrastructure for Dense Deployment in Data Center 3

A significant amount of time was spent this week in project planning, working with multiple vendors on a highly complex wireless access deployment and configuration – all in an effort to bring up high speed wireless access infrastructure for dense deployment BYOT and visitor access. **On behalf of the CFISD team – THANK YOU TO:**

- Our CFISD staff, **Paula Ross** for serving as the Director and project leader; **Oscar Villar** for engineering and networking support, **Derly Buentello** for testing wireless access devices and connections.
- **EPS, Polly Gifford**, for proposing the solution then orchestrating, designing, and planning the technical architecture and overall project implementation.
- **Layer, Henry Deleon and Joel McCotter, and Doug Minderhout** for designing and engineering the technical configuration.
- **M&S Technology, Chris Anderson** for installing and configuring the new firewalls.
- **MCA Communications, Rick Martinez, and Benito**, for assisting with the cabling management.
- **Presidio, Stuart Loftis** for working remotely to configure network electronics.
- **BlueCat, David Christenson and Eric Pierce** for working remotely and providing IP addressing management services.

Technology Network Infrastructure Smart Education Network by Design (SEND) Vendor Commitment and Signoff to Ensure 100% Success



THANK YOU TO THE CFISD STRATEGIC PARTNERS

Leadership and Vision

Posted by Frankie Jackson, Chief Technology Officer

September 4, 2015