



EMC Upgrades

Lance Melancon was able to complete the upgrades that brought the virtual infrastructure storage pathing up to date. The EMC XtremIO and VPLEX that all of our virtual machines reside on use a multipathing software called PowerPath/VE. PowerPath uses algorithms to intelligently manage data paths between servers and storage. This provides better performance when compared with the native VMware multipathing (NMP). PowerPath dynamically load balances across all available I/O paths for the best virtual machine performance.

For PowerPath to be available to these systems, there are other components required to be upgraded: (1) the Virtual Storage Integrator (VSI), a VMware plug-in that enables the communication of the Storage Integration Service appliance (SIS) and (2) the PowerPath Management Appliance (PPMA) which is how the hosts are licensed and managed.

We currently have all 32 hosts licensed and now that all the systems are upgraded we can deploy the new PowerPath drivers. The new updates will ensure standard path management, optimized load balancing, increased performance, and the automation of failover and recovery.



SIS



VSI



PowerPath



CyberSecurity in Education

Presenters



Mary Dickerson is Assistant Vice-President/Assistant Vice-Chancellor for IT Security and serves as Chief Information Security Officer for the University of Houston and the University of Houston System



Special Presenter James Morrison, Computer Scientist with the Federal Bureau of Investigation



Kevin Lewis, Project Manager, IMS Global Learning Consortium Specialist and headed the district's student data privacy, Internet safety and security initiative.



Christopher Kar, FBISD Why you need an information Security Advisor

Topics of Discussion:

- Cybersecurity in the K-12 curriculum
- Digital citizenship and safety
- Hacker principles and curriculum
- Data privacy and protection

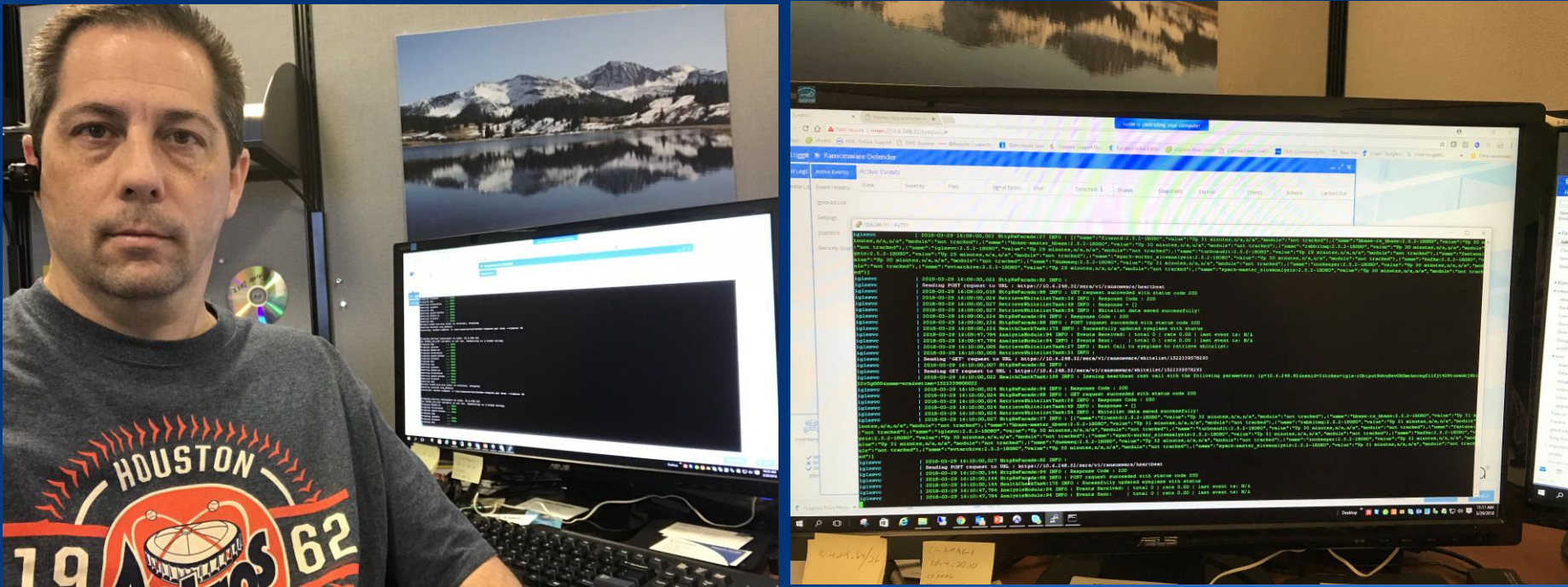


Kimberly Osborn attended a Cybersecurity conference with other CFISD Technology staff, **Tuesday, March 27th**.



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Ken Gibson worked with **Justin Seguin** from Superna via a WebEx session to do a follow up review on the Easy Auditor application. Tests were run and patches applied to make sure the system is at full capacity and performing as expected to audit files and folders for adds, deletes, and changes.



Microsoft ADFS O365 Scoping Call



ADFS



Office 365

Josh Zhang, Kimberly Osborn, Greg Rhodes, and **Paula Ross** participated in a conference call with Microsoft Premiere Field Engineer, **Tanuja Shan**. Tanuja will be the onsite engineer assisting with the O365 aspect of the AD migration from CFISD.LOC to CFISD.NET. There were discussions on workflow, processes, and requirements for transitioning the O365 provisioning and sync configuration from the current one way setup via Identity Automation to a two direction single sign-on configuration using ADFS and Azure AD Connect.