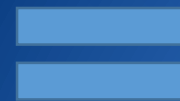




eFinance Hardware Issue

This week NMO was made aware of a performance issue with the finance servers. After troubleshooting several key systems and finding no obvious indications of performance degradation, **Lance Melancon** began to work more closely with ISA. Ultimately, **Son Nguyen** of ISA found that one of the work flow servers was not responding. This had a direct affect on the application.

Lance went to Data Center 2 to assess the issue and found that two of the eight redundant power supplies had failed in the work flow server. The server, to prevent overheating, had automatically powered off. Lance was able to use parts from a spare server to get the machine back online and functioning. With the server back up, the finance systems have been running at normal operating performance.





ESRS Upgrade

Mike Diaz and EMC support engineer **Chris Bell** upgraded the ESRS virtual appliance to the latest version. **Ken Gibson** assisted with the process.

The ESRS system is a virtual appliance that allows are current EMC hardware to be able to auto generate tickets in the event of a failure or upgrade.





Isilon Repair

Ken Gibson was on site with service technician **Brian Bozovsky** of Dell/EMC at Data Center 4 to replace a faulty memory module in node 3 of the HD400 Isilon Cluster. This is the storage cluster for the SB 507 video mandate.

After shutting down the node, Brian removed and opened the chassis that holds memory and cooling fans. He quickly replaced the part and got the node back online. Brian lives local in the Cyfair community and has a child that attends Cypress Woods High school.



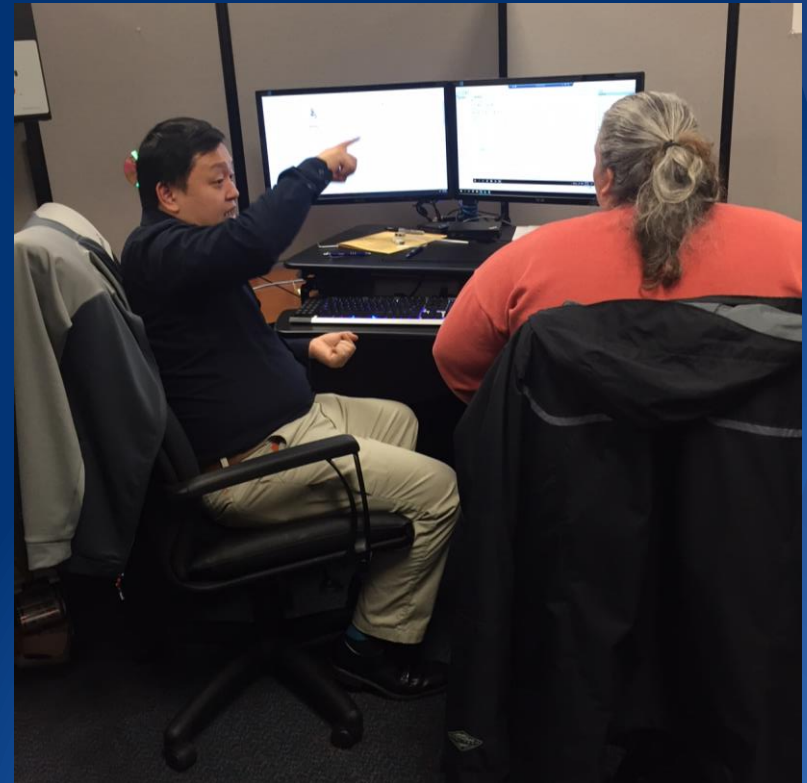


CFISD.NET Implementation

Josh Zhang met with **Kimberly Osborne** to plan the OU structure for CFISD.NET. An OU or Organizational Unit is a logical structure Active Directory uses to apply policies, extend rights, and give other privileges.

With CFISD.NET being a new install, this is a great opportunity to create an optimal OU to enable better management and growth.

One of the goals is to merge O365 groups and distribution lists with Active Directory groups, reducing management complexity.





Meltdown and Spectre

Over the **December break**, **Josh Zhang** reported to NMO that Project Zero, a security team at Google tasked with discovering security flaws, released to the public that there was a severe vulnerability in all Intel based processors along with a medium risk flaw on most consumer CPU's.

The more severe vulnerability, Meltdown, allows secure information such as passwords, personal information, and other sensitive data to be stolen by an attacker.

NMO met with members of Layer 3 to discuss exposure, mitigation, and patch implementation to secure the district network. Though there are no reported exploits at this time, inventories of servers and appliances are being collected and patches are being applied.

All the domain controllers have been fully patched by Josh, protecting them from these vulnerabilities.

