



Case Study: Maynard Public School - VMware & Microsoft OS Upgrade



Summary: Maynard Public Schools is located in eastern Massachusetts with three facilities and 1350+ students. The client was requesting a proposal for a refresh of their aging VMWare/Servers environment.

Challenges: The client wanted to upgrade the entire environment with MINIMAL down time and interruption. WCA performed a LIVE Optics scan and IT assessment and then provided a SOW to perform the complete configuration/installation of all equipment to be upgraded. During the actual memory upgrade of 4 servers, it was determined that 3 of the servers were failing but WCA was able to use parts from two of the servers with failures to build 1 stable server. The memory upgrade enabled these 2 servers to be upgraded as listed in the SOW.

Solution: : WCA installed memory, upgraded to VMWare Essentials Plus & version 6.7 vCentral appliance, upgrade to 6.5 Hypervisors on 3 ProLiant DL360p Gen8, Windows 2016 Server upgrade as outlined in the complete SOW. This project was scheduled/completed during the Pandemic and WCA maintained all the needed safety protocols during this challenging time.

Benefits: The solution implemented at Maynard Public Schools provided a smooth installation with minimal down time. The details of this install are as follows:

- Upgraded the existing G8 servers' memory to 192G
- Configured two new Windows Server 2016 DC's
- Configured the three hosts with a licensed version of VMWare essentials Plus. The hosts have been upgraded to version 6.7
- vCenter has been upgraded to version 6.7
- The new VMWare cluster has installed all existing VMs and the 7 physical servers have been P2V's as they currently exist
- Test and validation work completed
- WCA completed a knowledge transfer to client with documentation.

Client Testimonial: "Whalley is always thorough, responsive, and efficient. We have come to them with several projects over the years and they are always willing to talk through our needs and develop a proposal that matches exactly what we are looking for. During projects they are always quick to respond to questions. - Adam Steiner – *Director of Technology*

Industry

Maynard, MA
Education, Pre - K - 12

Environment

- 1350+ students & 3 facilities
- Aging VMware Server environment

Challenges

- Client was concerned that several of their VMWare servers would not be upgradable

Solution

- Perform extensive Live Optics Scan of client hardware infrastructure
- Delivered a SOW based upon the results of Live Optics scan
- Install, upgrade & configure new VMWare & Microsoft OS, to all proposed hardware in SOW
- Install & configure printers, UPS's SonicWALL, Synology NAS & Aruba Switches