













CASE STUDY: CHARLOTTE COUNTY PUBLIC SCHOOLS

CHALLENGE Charlotte County Public Schools (CCPS) faced several challenges in managing their VMware environment:

-  Legacy VMware infrastructure approaching end-of-life, limiting performance, capacity, and scalability.
-  Complex multi-site environment, with central data center and multiple school sites needing reliable, consistent access.
-  Limited internal IT staff to manage patching, upgrades, and complex VMware tasks.
-  Growing demand for virtualized servers to support classrooms, administrative systems, and remote learning.
-  Need for proactive monitoring and support to avoid downtime and ensure mission-critical applications remain available.

SOLUTION Copper River IT partnered with CCPS to deliver comprehensive VMware infrastructure support:

-  **Environment Assessment & Optimization**
 - Full audit of existing vSphere clusters, ESXi hosts, vCenter servers, and storage architecture.
 - Performance tuning and capacity planning to ensure efficient resource utilization.
 - Recommendations for upgrades and lifecycle management.
-  **Ongoing VMware Management**
 - Routine patching and updates for ESXi hosts and vCenter servers.
 - Monitoring of virtual machines, storage, and networking for performance and reliability.
 - Proactive troubleshooting and resolution of potential issues before they impact operations.
-  **Disaster Recovery**
 - Backup and replication strategies for critical VMs to ensure business continuity.
-  **Project-Based Support**
 - Assistance with server migrations, new VM deployments, storage upgrades, and scaling virtual clusters.
-  **Training & Knowledge Transfer**
 - Documentation and operational procedures to enable district staff to manage day-to-day tasks independently.





RESULTS

- **Enhanced Stability & Reliability:** Optimized VMware clusters provide consistent, high-performance operation for both academic and administrative applications.
- **Proactive Monitoring:** Copper River IT's ongoing support ensures issues are detected and resolved before they impact users.
- **Scalable Virtual Environment:** CCPS can easily deploy additional virtual machines and expand capacity as needed.
- **Reduced IT Burden:** IT staff can focus on strategic initiatives while Copper River IT handles VMware management, patching, and troubleshooting.
- **Business Continuity:** Disaster recovery configurations provide resilience for mission-critical systems.

TECHNOLOGIES USED

- VMware vSphere (ESXi, vCenter)
- VMware vSAN / Storage Integration
- Backup and replication solutions integrated with VMware environment

