

Master Electronics Optimizes and Saves

Master Electronics leverage's CDW Amplified™ Services Premier Managed Cloud for overall performance improvements, hardened security and cost savings.

Customer Overview

Founded in 1967, Master Electronics is a leading global authorized distributor of electronic components. For more than half a century, they have remained focused on strong relationships, responsive service and added value. This is how Master Electronics has grown to serve hundreds of thousands of customers in partnership with hundreds of world-class suppliers.

The Challenge

As performance issues and costs increases began to climb, Master Electronics found themselves in a position of deciding whether to make the costly investment in design architects, diagnostic tools and around the clock service desk personnel or partner with an organization that can provide all of that to them. Along with the performance and cost issues, Master Electronics wanted to establishing a strong governance policy in order to reduce reliance on tribal knowledge, increase operational efficiency and provide structure for both current and future applications. As a CDW Amplified™ Basic Managed Service customer they contacted us to help them investigate.

The Solution

As Master Electronics' needs were urgent, CDW began by performing a series of assessments beginning with security. While that discovery process was underway, CDW took a deep dive into the application that was experiencing such poor performance. In order to fully understand the issues, a Well Architected Review was run in order to measure the application relative to the 5 pillars of the Framework – Security, Operational Wellness, Reliability, Performance Efficiency and Cost Optimization.

After identifying and rectifying security gaps, implementing Workspaces Cost optimizer and adding additional fault tolerance, CDW was able to quickly identify their issues with the problematic workload; over-provisioned IOPs and 2 EC2 instances which required right-sizing.

AWS Service Used



Amazon Elastic Block Store (EBS)



Amazon Simple Storage Service (S3)



AWS Storage Gateway



Amazon EC2



AWS Lambda



Amazon RDS



Amazon CloudSearch



Amazon VPC



Amazon Elasticsearch Service



Amazon Route 53



Amazon SageMaker



Amazon WorkSpaces

The Benefits

CDW truly optimized Master Electronics' AWS environment, improving performance, security, governance and support while simultaneously saving them a significant amount of money every month. As a result of our engagement, they have realized **cost savings of over \$11,000 every month!**

