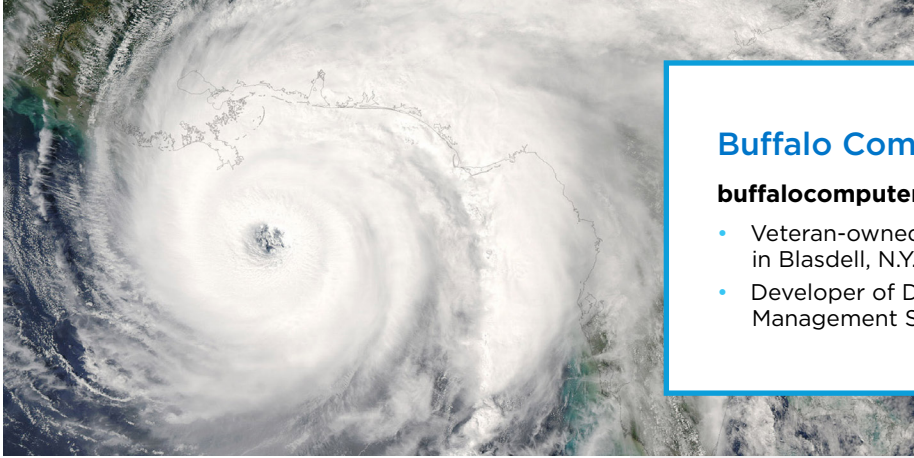


BUFFALO COMPUTER GRAPHICS (BCG)

Migrating to a centralized cloud with Lumen and AWS



Buffalo Computer Graphics (BCG)

buffalocomputergraphics.com

- Veteran-owned engineering and consulting firm based in Blasdell, N.Y.
- Developer of DisasterLAN (DLAN) Emergency Management Software

Challenges

- Implementing cloud migration from a private cloud provider into multiple AWS availability zones
- Engaging AWS Cloud Management Services model to focus on core business competencies
- Optimizing performance, reducing costs and consolidating workloads
- Replicating data for the Disaster Recovery Program to other AWS regions and Azure

Solutions

- AWS allowed BCG to optimize and streamline its cloud platform with AWS and Managed Services from Lumen
- Lumen assigned a dedicated team to relocate applications and services into the AWS public cloud environment utilizing Lumen® Cloud Application Manager
- Lumen® Advanced Managed Services offered flexibility and control with the ability to tailor individual AWS subscription needs
- Lumen designed the Disaster Recovery Program and assigned an implementation team for hands-on assistance

Results

- Improved operational efficiency and agility with cloud deployment
- Gained on-demand, multi-cloud management and consolidated billing
- Boosted resiliency and business continuity
- Successfully architected and implemented replication of Disaster Recovery Program

“ BCG was looking to migrate from a private cloud service to AWS and utilize a validated AWS MSP partner. With our Lumen integrated services and their strength in working with AWS, it was a strategic fit.”

— John Paul Wiejaczka,
Director of Quality Assurance
Buffalo Computer Graphics



Challenge

Migrating from private to public cloud to improve operational efficiency

BCG is a veteran-owned business with over 40 years of experience in software, hardware and systems engineering.

BCG has three primary business areas--maritime simulation solutions incident management systems and customer hardware and software engineering—serving both private sector and government entities. Across all divisions, BCG develops commercial off-the-shelf and custom solutions that set industry standards with all engineering done in house.

To strengthen their standard cloud offering and allow for future flexibility, BCG sought to implement a cloud migration from a private provider into multiple AWS availability zones. To help offset this workload and speed up the learning curve, BCG engaged Lumen® Advanced Managed Services.

Solution

Strategic partner for a seamless transition

Lumen helped BCG understand the new cloud platform while undertaking tasks such as migrating servers and implementing a Disaster Recovery environment. With dedicated support from Lumen, BCG was able to efficiently meet the specific needs of its growing customer base, including geographically dispersed Disaster Recovery and data residency.

BCG utilized the Lumen® AWS Cloud Managed Services program validation, along with the Lumen AWS Partner Status of Strategic Services Provider and Migration Competency, to successfully migrate its private cloud offering and implement the Lumen AWS Managed Services practice with all AWS workloads. Lumen Advanced Managed Services offers BCG flexibility and control with the ability to tailor AWS Cloud subscription options to match evolving requirements.

The migration from the private data center to AWS leveraged Lumen® Cloud Application Manager (CAM), easily relocating applications and services to the new AWS public cloud environment. The centralized CAM platform also enabled greater control and agility of the end-state environment.

Results

An agile cloud environment for business continuity

Lumen deployed multiple senior-level AWS MSP experts to assist the BCG team in the cloud migration, Disaster Recovery Program replication and implement product efficiencies in the AWS environment. This team of experts included a dedicated AMS Program Manager, Client Technology Architect, Security Account Manager, Technical Service Engineer and additional flexible resources to ensure a seamless transition. By migrating to the AWS Cloud and utilizing AWS Managed Services, BCG has improved operational efficiency and agility, gained on-demand multi-cloud management with consolidated billing, and boosted resiliency for business continuity.

With the hands-on assistance of the Lumen team, BCG was able to successfully architect and implement replication of the Disaster Recovery Program, all without additional charge for extra support.

The flexibility of the cloud and relationship with Lumen continues to help BCG scale quickly to support thousands of concurrent users and add capability as needed.

Lumen Solution Set

- Amazon Web Services
- Cloud Application Manager
- Advanced Managed Services