Lumen® Center of Excellence for Google Cloud

Boost IT Agility with cloud solutions from Lumen and Google

Many IT organizations are under mandate from senior management to move to the cloud to reduce cost, consolidate data centers, innovate, and accelerate service or product delivery. Migrating to the cloud often requires skill sets that are outside the capabilities of current staff, as well as CapEx and OpEx investments that are beyond existing IT budgets. Lumen and Google Cloud have the experience, infrastructure, and tooling to help you navigate the migration and accelerate next-generation business applications and data with minimal impact on business operations and profitability.

Enhance customer experience

Deliver innovative features and experiences fast.

Google Cloud is continuously pushing the envelope to extend and enhance Google Cloud Platform with production-ready versions of the latest technologies.

- You don't have to understand or manage the underlying technologies.
- Google pre-built APIs make it easy and fast for your app dev teams to quickly add differentiating features, like ML, AI, IoT, and translation, to your applications.

Lumen® Adaptive Networking and IT Agility solutions provide secure network connections and multi-cloud management across the application life cycle to accelerate your app dev pipeline and keep your apps running at peak performance. In a recent IDG study[1] commissioned by Lumen, IT Agility solution customers reported up to 23% faster project delivery and faster time-to-market.

Leverage big data and analytics to understand your customer better.

Understanding what your customers want, how they use your products, and how they navigate the buying process is critical to personalizing customer experience. Lumen data scientists can migrate your current data warehouses to a data lake in Google Cloud. Then, Lumen Adaptive Networking lets you securely capture and transport real-time data from the far reaches of your enterprise.

- Lumen data scientists can configure Google Cloud ML and data analytics tools (Big Data and Big Query) to allow you to rapidly sift through the data generated by CRM systems, product/service usage, and other relevant data sets to build a 360° view of your customers.
- Analytics also provide a powerful feedback loop for the DevOps process and valuable input for continuous improvement of your customer experience.
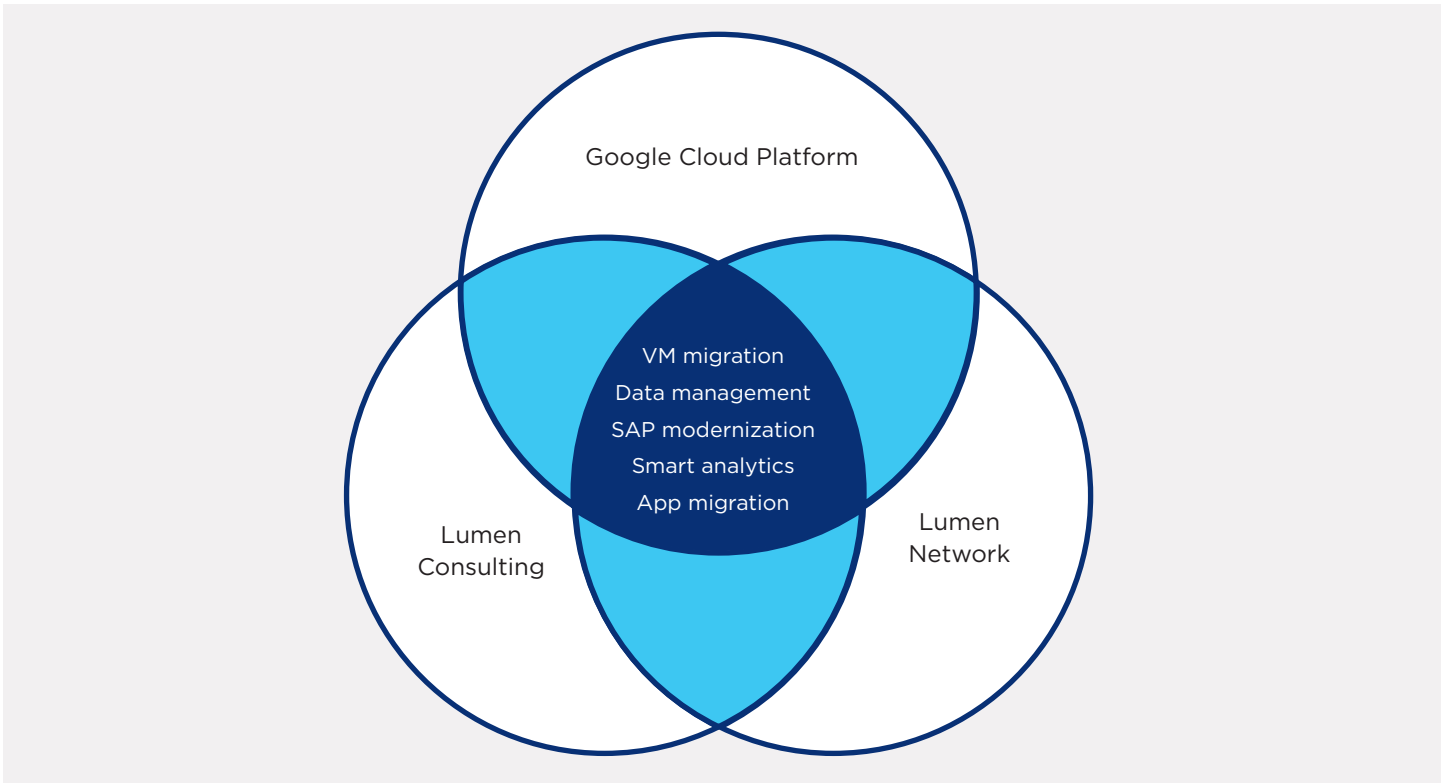
Reduce operational cost

Break free of the cost and constraints of data center operations.

Managing technical debt consumes resources that could be used to improve time-to-value and customer experience. Moving to the cloud offloads the cost and complexity of managing and operating your data center to Lumen and Google Cloud.

- There's no need to hire expensive cloud specialists or deal with the complexity, CapEx, and OpEx of purchasing and maintaining private cloud infrastructure.
- You consume network, compute, and storage on a pay-as-you-go basis—and it's all OpEx. You can also scale and contract instantly without limits.

Google Cloud   LUMEN TECHNOLOGIES

Figure: Cloud Solutions from Lumen Center of Excellence for Google Cloud

- For pre-planned events and unexpected traffic spikes, Google Cloud with Lumen can grow to hyperscale capacities and back with a few mouse clicks, and you only pay for what you use.

In addition, Google Cloud-certified Lumen experts can manage your entire cloud environment regardless of location and free your staff to enhance your value chain and help improve customer experience.

Migrate your VMs quickly and efficiently.

You might not be sure how many VMs and how much data you have, let alone how and which VMs to migrate to the cloud. Lumen can help.

- Google Cloud-certified engineers have more than 20 years of experience managing cloud migrations with SMEs, engineers, and processes in locations around the world.
- Lumen applies proven migration strategies, methodologies, and configurations to help reduce cost and complexity.

- Google Cloud migration tools and Lumen secure, cost effective Cloud Connect Dynamic Connections further minimize migration labor and complexity.

Maximize application performance.

Migrating your legacy apps as-is into the cloud won't give you the full benefits and power that cloud offers. Lumen industry experts can use the powerful application development tools in Google Cloud Platform to re-architect your legacy apps to be cloud-native and take full advantage of technologies like containers and microservices.

Increase security

Enhance data protection.

As you migrate to hybrid cloud and multi-cloud environments, intrusion protection and identity management become more complex. With Lumen and Google Cloud Platform you can minimize security breaches and tighten identity management in the cloud.

- Lumen® Cloud Connect Solutions provide secure private connections for in-flight data between data centers, remote locations, and Google Cloud.
- Google uses AI to continuously protect data and intellectual property by monitoring data health, detecting anomalous behaviors, and proactively preventing security incidents.
- Lumen and Google regularly undergo independent verification of security, privacy, and compliance controls to help ensure compliance with standards around the world.
- Security consultants integrate your and Lumen on-prem access controls with Google Cloud access controls to help ensure security across your hybrid or multi-cloud environment. They also help you set up governance for cloud security process adherence and reporting to help you meet compliance requirements.

Safeguard your reputation and maintain operations.

Security vulnerabilities, breaches, and cyberattacks from state and non-state actors are increasing. When threats emerge, you need to react and mitigate quickly.

- With Lumen and Google Cloud your security posture is proactive—not reactive.
- Your apps and data are available seamlessly backed by a 99.9% uptime SLA using Lumen and Google's global high-speed private networks.
- Lumen® Managed Security Services proactively protect you 24/7/365 from downtime and other damages resulting from lost access, lost data, and security breaches.

Lumen and Google Cloud respond to threats quickly and effectively. Rapid Threat Defense from Lumen automates threat detection and response powered by high-fidelity threat intelligence from Black Lotus Labs.

Learn how to improve your business outcomes on the fastest, most secure platform for next-generation business applications and data at lumen.com/google-cloud or contact a Lumen expert.

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