# GOOGLE CLOUD VMWARE ENGINE

## THE CHALLENGE

Migrating workloads to a public cloud platform posses significant business and operational benefits, but can be a challenge for an enterprise scale IT estate. A strategic approach to public cloud adoption, based on a process of modernising applications and platforms, will take many years to complete and will often be challenged by business and operational demands to accelerate the process. These demands typically come in the form of time constraints arising from hard deadlines to exit data centers, impending hardware refreshes, or a need for systems to have better proximity to new cloud native workloads.

Meeting these demands and accelerating migrations can often be hampered by technical and operational dependencies, such as VMware platform and tools, support for 3rd party integrations and cloud platform skills.

## SERVICE OFFERING

Google and VMware provide customers with the ability to run their VMware platform natively in Google Cloud, with Cloud VMware Engine (GCVE). As a fully managed service customers can migrate existing VMware workloads from their own data center to Google Cloud without the need to change the technical platforms used to host and run their applications.

Computacenter can provide customers with the skills and services needed to assess the benefits of using GCVE and carry out the readiness and migration of VMware workloads to GCVE platform.

## ENABLE PRIORITY ENTERPRISE USE CASES

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| **Data center retirement or migration** | Scale data center capacity in the cloud and stop managing hardware refreshes. Reduce risk and cost of cloud migrations and modernise applications at your pace. |
| **Data center extension and hybrid cloud** | Extend your data center to the cloud to enable on-demand burst capacity and unify DevOps across VMware and Google Cloud. |
| **Disaster recovery** | Build or shift disaster recovery capabilities to the cloud, lower costs, and remove operational burdens. Leverage third-party DR services to maintain continuity with on-premises environment. |
| **Virtual desktop infrastructure** | Leverage VMware Engine's high-performance, all-flash, hyper-converged architecture to build and scale your virtual desktop infrastructure on demand and run VMware Horizon 7 to manage the delivery of virtual desktops and apps on-premises, in the cloud or in a hybrid or multi-cloud environment. |
| **Application modernisation** | Use GCVE as a first-party Google Cloud solution, with its low latency and high-speed access to all Google Cloud services to unify operations and securely connect both legacy and cloud-based workloads across environments. |
| **Compute-intensive applications** | Scale on-demand and achieve consistent performance for compute-intensive applications without having to refactor applications. From high-volume transactions, Oracle DB, and VDI, you can run your most demanding applications with confidence. |

## OUR APPROACH

Google Cloud VMware Engine (GCVE) provides a managed platform service for running VMware virtual machines inside Google Cloud. Workloads can be migrated without complex and time-consuming changes from on-premises ESXi hosts onto VMware managed hosts running in a supported GCP data center of your choice to accelerate your use cases.

GCVE is a powerful and flexible solution, and needs careful consideration of commercial, technical, and use case requirements. We have established partnerships and technical experience with both VMware and Google solutions that work to accelerate customer's migration programmes. Our proven methodologies and governance models ensure infrastructure and operations are prepared to best practice and workloads are moved safely.

We provide customers with an end-to-end migration solution, and the flexibility to adapt to each customers' needs. This means assisting with a clear strategy and plan for migration, performing workload discovery and dependency mapping, ready for piloting and then executing a larger scale production migration to GCVE.

## OUR GCVE SERVICES

### Migration Business Case and Planning

Our GCVE planning service helps customers determine their GCVE TCO, measures of success aligned to key use cases, validate the strategy and build a plan to ensure successful adoption.

### Discovery Analysis and Pilot Migration

Our discovery service aims to fully understand the application set, their technical requirements, interdependencies and user access patterns. We run a pilot exercise to validate the processes, tooling, and key measures needed.

### Production Migration and Validation

Our migration service builds on a validated pilot and provides an assured approach to readying the business and performing workload migrations with systems and support for functional testing and acceptance into support.

## BENEFITS

Validated business case for adoption

Governed end-to-end migration

Fully managed VMware platform in GCP

Flexibility to integrate with GCP services

Measured pilot before full migration

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**Google Expertise**

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**Google Cloud Partner**

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To understand more about how Computacenter is helping organisations adopt Google Cloud, please contact your account manager, call **01707 631000** or email **enquiries@computacenter.com**

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