

Netpremacy Workload Transformation Service

G-Cloud 15 – Service Definition

This service definition provides a strategic roadmap for evolving your IT environment through Google Cloud Platform (GCP). Whether you are looking to migrate legacy applications or modernize your entire infrastructure, this framework ensures a smooth transition tailored to your specific business goals.

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Executive Overview

The Workload Transformation service, delivered by Netpremacy, facilitates the migration and modernisation of classic on-premise applications to Google Cloud. By moving away from legacy technologies, organisations can address growing computational needs and reduce the management burdens associated with traditional hardware. Netpremacy acts as a consultative partner, utilising extensive cloud expertise and Google Partnership Funding (PSF) to accelerate the migration journey.

Key Features

The service is built around three primary transformation methods and a structured delivery lifecycle:

1. Transformation Methods

- Lift-and-Shift: A direct migration of workloads to Compute Engine VMs with minimal changes.
- Lift-and-Optimise: Migrating workloads while optimising specific components, such as moving databases to managed services like Cloud SQL.
- Improve & Move: Modernizing applications into cloud-native architectures, utilising microservices, Docker, and Cloud Run.

2. Structured Migration Lifecycle

- Discovery & Assessment: Comprehensive discovery of infrastructure and selection of migration candidates.
- Planning & Build: Defining pre- and post-migration steps, creating runbooks, and building the target design.
- Migration Sprint: Execution of data replication, workload migration, and cutover tasks.
- Test & Verify: Conducting User Acceptance Testing (UAT) and regression testing.
- Hypercare: A final two-week troubleshooting period with hands-on support.

Key Benefits

- **Cost Efficiency:** Specifically designed for organisations looking to reduce IT costs and management overhead.
- **Security and Compliance:** Improves data security and ensures alignment with modern compliance standards.
- **Operational Agility:** Addresses changing business requirements and eliminates licensing challenges associated with legacy providers.
- **Expert Guidance:** Leverages Netpremacy's experience to ensure better context of existing infrastructure and a smoother transition to GCP.

Target Use Cases

Workload transformation is categorised by a RAG (Red, Amber, Green) complexity scale to align implementation effort with technical requirements:

Category	Workload Characteristics	Target Use Case Examples
Green (Low Complexity)	Single assets with little or no data to migrate; no software/OS upgrades required.	Simple internal tools or static web apps.
Amber (Moderate)	Multiple interdependent assets (e.g., App + DB tier); minor remediations or migrations to managed services like Cloud SQL.	Standard web applications and databases.
Red (High Complexity)	Complex architectures with external dependencies, business-critical data, and significant refactoring/development needs.	Enterprise-level infrastructure and Windows Domain Services.

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