

Migrate and Run Business Critical Workloads in Production

VMware Pro Cloud Services

At a glance

Move application workloads from your on-premises data center to a new private cloud or the public cloud efficiently and reliably.

Key benefits

- Migrate applications quickly and securely
- Complete large-scale migrations of thousands of workloads
- Gain a network view of your applications and infrastructure
- Understand dependencies between applications
- Minimize disruption to existing resources and operations
- Minimize downtime and reduce risk
- Free IT staff to work on business-critical tasks

Adapting to changing business requirements drives the need to move application workloads from one platform to another. Whether you've deployed a new private cloud, need to extend to a public cloud to support capacity spikes or consolidating data centers, you need to migrate your application workloads.

Whatever the reason, moving application workloads from one platform to another is not simple or easy. Do you have a well-defined migration strategy? Do you know what the dependencies are between your applications and what you need to migrate? Do you have the resources and time to plan and execute the migrations without disrupting current operations? Does your staff have the required skills and expertise?

Service overview

VMware Pro Cloud Services™ can help you efficiently and securely move applications to a new VMware platform. Prior to starting your migration project your VMware SDDC needs to be activated. We have additional VMware Pro Cloud Services that can help you quickly and seamlessly set up your VMware Cloud environment if needed.

Develop a migration strategy

We start by developing a migration approach based on your business goals and priorities. We identify what you want to achieve, any deadlines or time constraints, cost constraints, and application constraints. Then we develop a high-level migration plan with specific tasks that identifies who will do what and when.

A key aspect of your migration strategy is building the migration team. We work with you to select champions in critical areas/disciplines including network and security, operations, infrastructure, and applications. Our VMware experts collaborate with your champions to drive the migration.

Learn more

Visit vmware.com/services

Discover and analyze the environments

We gather information through interviews with stakeholders on the applications and workloads in scope. This includes information on physical workloads, virtual workloads, third-party tools (for example CMDB and ServiceNow), applications and infrastructure. We use various tools to verify the information is up to date and discover any gaps.

We evaluate the capacity, performance, network connectivity/throughput, and packet flow between applications in the current environment. We assess any business continuity/disaster recovery, compliance, and security requirements needed for the target environment.

Using the discovery information, we map application dependencies to avoid potential conflicts such as sequence, bandwidth, or data security concerns.

Create and complete a detailed migration plan

To create a detailed migration plan, we start by mapping the source infrastructure (server, network, and storage) to the target infrastructure. We prepare and configure external and core services at the target such as load balancers, active directory, file servers, public IP addresses, and DNS names.

We create a testing schedule and contingency plans including a rollback strategy to mitigate risk if the migration execution encounters problems. We also create a migration runbook that defines the VMs to be migrated, their order, and additional configuration parameters.

Finally, we bundle, schedule, and accomplish the migration in waves and perform a validation to ensure the migration is accurate and complete.

Get started operating the environment

To help ensure your team is fully enabled we provide knowledge transfer at each stage of the engagement. We also provide best practices and standard operating procedures for processes such as service request management, capacity management, VM management, and monitoring. We provide guidance on how to integrate these operating procedures with your existing ones.

Benefits

VMware Pro Cloud Services can get your applications where they need to be, faster. We leverage specialized toolchains and a holistic approach that addresses the end-to-end application migration lifecycle. Our scalable and standardized methodology supports large scale migrations with minimal downtime and reduced risk, and leveraging our experts frees your staff to work on business-critical tasks.