

# Bridge the DevOps Gap with Unified Orchestration

Morpheus is a powerful hybrid cloud management platform that also provides a systematic approach to building, managing, and consuming heterogeneous Kubernetes clusters.



MORPHEUS

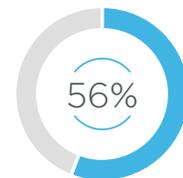
## As container use increases, you must design for simplicity and self-service.

Recent Gartner research indicates that roughly 50% of container management falls on the shoulders of platform engineering and IT operations teams while another 21% is the shared responsibility of DevOps professionals.

This same research shows that 62% of organizations are worried about a lack of skilled resources and 43% cite operational complexity as a top concern. The skill and complexity gap is amplified with large enterprises trying to manage VMs, containers, and cloud-native PaaS applications at the same time.

Infrastructure and Ops leaders must partner with App Development teams and provide platform services which enable efficient CI/CD pipelines independent of the underlying platform. It's why Gartner also predicts that by 2025, 75% of enterprises will build self-service infrastructure platforms to enable rapid innovation.

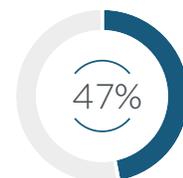
### EXPECTED BENEFITS OF CONTAINER ADOPTION



Developer Productivity



Modernize Applications



DevOps Enablement

Source: Gartner Research Circle Container Adoption and Strategy Survey (2020)

**Morpheus is a recognized leader in cloud and container self-service**

We've helped hundreds of customers quickly turn on-prem hypervisors like VMware into true private clouds while extending governance and control to public clouds such as AWS, Azure, and GCP.

Enterprises also use Morpheus to Build, Manage and Consume hybrid cloud Kubernetes clusters.

This eliminates management silos for platform engineering teams trying to enable developer self-service and modernize legacy applications.

## BUILD

### Morpheus Kubernetes Service (MKS)

A CNCF-certified distribution deployable on any attached cloud. Includes open-source components such as Prometheus, Grafana, Calico and others to quickly get started with a robust Kubernetes solution.

### Custom Cluster Layouts

At the heart of the Morpheus platform is a provisioning engine for hybrid cloud workloads. You can create custom K8s cluster layouts to deploy distributions such as Rancher's k3s, AWS EKS-D or vanilla upstream Kubernetes.

### Cloud Managed & Brownfield Kubernetes

Provision and manage AWS EKS, Azure AKS, and GKE clusters. Import and manage CNCF conformant clusters like Rancher, OpenShift, VMware Tanzu, and vanilla Kubernetes.

### Environment Integrations

Automate the creation of DNS records, CMDB entries, and more with workflows and codeless integration with dozens of common technologies including ITSM, IPAM, Load Balancers, and more.

## MANAGE

### Multi-Cluster Visibility

Quickly view the status and health of K8s clusters across heterogeneous public and private clouds from a single dashboard to dramatically simplify operations.

### Cluster Monitoring & Logging

View cluster and container performance metrics and logs. The built-in Morpheus Kubernetes Service (MKS) cluster includes Prometheus and Grafana for additional detail.

### Native Kubectl Command Execution

Execute kubectl commands directly from Morpheus for management and troubleshooting. This eliminates the need to switch between kubectl contexts or locally store credentials for cluster access.

### Cluster Object Visibility

Create and manage objects like deployments, service accounts, and storage classes to simplify the management of Kubernetes clusters without the need to remember exact kubectl commands.

### Day-2 Automation Integration

The Morpheus automation engine enables native execution of cluster management operations and simplifies use of scripts from Ansible, python, bash, PowerShell in an on-demand or scheduled fashion.

## CONSUME

### App Catalog

The Morpheus self-service catalog enables you to create a curated set of app services that can be deployed on any attached clusters. Catalog items can be provisioned via GUI, API, ITSM Integration, or the Terraform provider.

### Unified Provisioning Blueprints

Create blueprints that encapsulate a Kubernetes deployment along with mixed workload types such as virtual machines, bare metal servers or even IaC provisioned resources.

### Phase Based Automation

Integrate automation scripts with the provisioning of Kubernetes workloads to facilitate automation that follows the lifecycle of the service from creation to teardown.

