

Cisco CloudCenter Solution

Any application. Any cloud. One platform.

The Cisco CloudCenter™ solution is a multicloud management platform that works across cloud and data center environments. It helps enterprise IT and service providers get the most out of a multicloud strategy while reducing cost and risk.

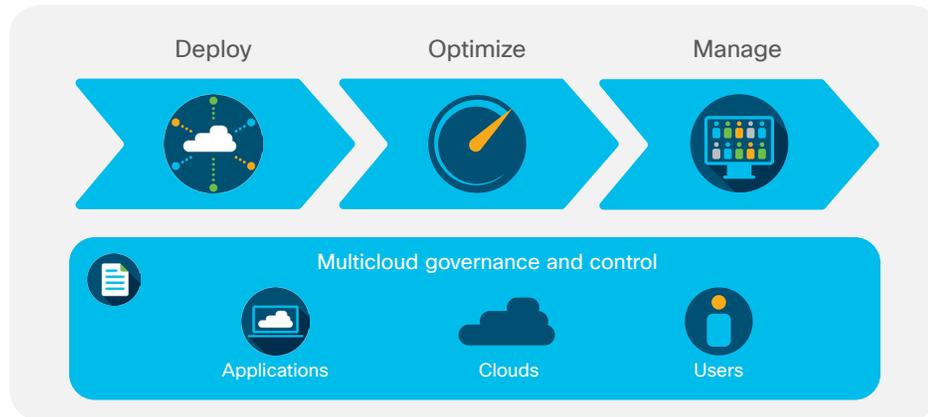
From a single point of access, users can securely deploy, optimize, and manage workloads as well as underlying cloud or data center resources without going through cloud-specific management tools. And IT can easily apply governance and cost controls consistently across all the major cloud providers as well as in private or hosted data centers to make sure users aren't creating risks or wasting resources.

With Cisco CloudCenter you can automate workload deployment and increase new feature velocity. Plus you can consistently enforce multicloud governance and optimize consumption to reduce cloud costs.

Benefits

- **Easier work:** automate workload deployment to eliminate service request wait time and avoid the need to learn multiple cloud-specific management tools.
- **Increased feature velocity:** integrate with DevOps and Continuous Integration/Continuous Deployment (CI/CD) tool chains to automate deployment of environments and the latest build in any development, test, or production environment.
- **Better control:** apply IT policies and controls in a way that consistently guides user decisions and achieves repeatable and predictable results in order to reduce risk and improve security.
- **Lower costs:** cut cloud costs by optimizing cloud consumption and improve both developer and IT operations process efficiency.

Figure 1. Cisco CloudCenter multicloud lifecycle management



Multicloud lifecycle management

Cisco CloudCenter abstracts cloud infrastructure, translating the needs of the workload into cloud-specific practices and API calls. As a result, developers and users can deploy and manage their workloads in multiple environments without having deep cloud expertise or needing to learn multiple cloud-specific management tools.

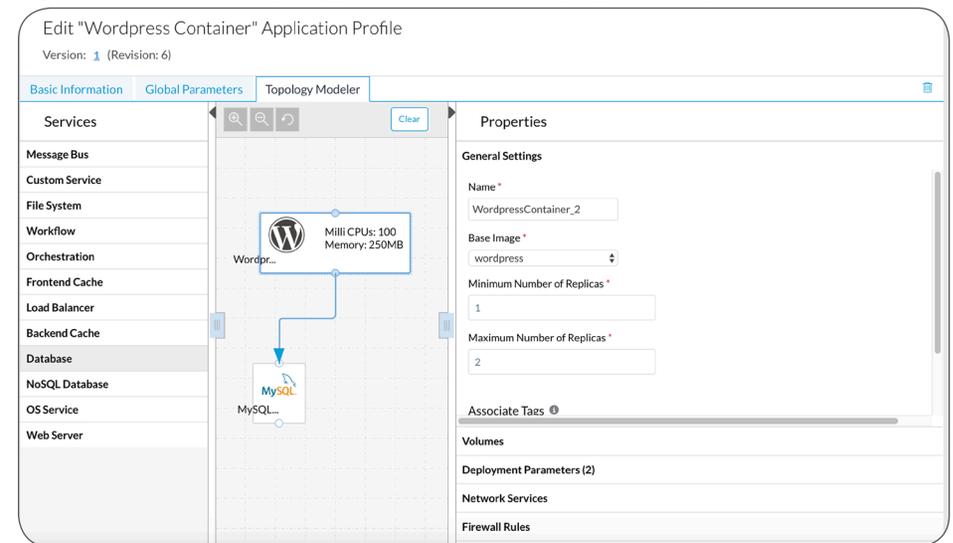
Workloads can be a single virtual machine, a traditional enterprise application, or a containerized cloud native application on Kubernetes. Workloads can be deployed and managed for development, test, or production purposes, in any mix of public cloud or private infrastructure.

With Cisco CloudCenter, users can (see Figure 1):

- **Deploy:** Use one click to deploy the workload and all related components and data to a public cloud or private infrastructure environments.
- **Optimize:** Quickly assess usage and configuration, and accept recommendations that apply policies and right-size instance types to avoid waste and cut costs.
- **Manage:** Apply a wide range of common day-2 management actions from Cisco CloudCenter, without logging into or using cloud-specific management tools.

Each workload is modeled as a deployable blueprint (see Figure 2) using out-of-box, downloaded, or easily customized services, including virtual machines, containers, Platform-as-a-Service (PaaS) services, or cloud-specific services.

Figure 2. the built-in topology modeler creates deployable blueprints



Grow from simple to complex

Cisco CloudCenter is an enterprise-class solution that offers a secure, scalable, and extensible multitenant platform that can start simple and scale to meet the needs of the most demanding IT organizations and service providers.

Some IT organizations start simple by offering on-demand virtual machines in a single on-premises environment, then growing into more complex services, such as database as a service or full stack applications comprising a mix of types of technologies, as they gain confidence and demonstrate the business value of a multicloud IT strategy.

Other customers that already have users deploying workloads in multiple clouds, add Cisco CloudCenter to provide a governance and control layer across all environments to reduce both risk and growing cloud costs.

One Platform. Any Environment.

Cisco CloudCenter supports a wide range of public clouds and private infrastructure (see Figure 3), including:

- **Public:** Amazon Web Services (AWS) and AWS GovCloud, Alibaba Cloud, Google Cloud Platform, Microsoft Azure and Azure Government cloud, Dimension Data platform, IBM Cloud Cloud, VMware vCloud Air, as well as any Kubernetes service.
- **Private:** Kubernetes, OpenStack, VMware vCenter and vCloud Director, both Microsoft Azure Pack and Microsoft Azure Stack, and Cisco UCS® Director.

Cisco CloudCenter is subscription software delivered as a deployed application. Deployment does not require a long professional services engagement. Many customers achieve a successful proof-of-concept deployment or deploy their first application in just days, not weeks or months.

- **For developers:** Cisco CloudCenter boosts productivity and decreases time to market by letting users provision fully configured application stacks for any environment through a self-service platform. No longer do they have to learn each underlying cloud environment or learn cloud-specific management tools.
- **For DevOps engineers:** Cisco CloudCenter plays a foundational role in an integrated tool chain with automated work streams. Engineers can automate the deployment of builds and environments at multiple steps in a continuous delivery flow that may use data center, private cloud, and public cloud resources.
- **For IT operations:** Cisco CloudCenter increases operation efficiency and improves visibility and control by delivering a single platform that consistently applies policies and controls across environments. IT can deliver speed and agility for users, while also controlling costs and helping ensure governance control of infrastructure and applications.
- **For IT executives:** Cisco CloudCenter delivers a flexible mix of data center and cloud IT services without cloud lock-in and without exit costs as business needs change. Executives can support both business time-to-market needs and cost demands, while also reducing complexity and managing the costs and risks inherent in a multicloud strategy.

Figure 3. Cisco CloudCenter supports a wide range of private and public platforms

