

# VMware Cloud Foundation on IBM Cloud

Enterprise-Class Software-Defined Data Center

With the pace of innovation accelerating, enterprises are experiencing increasing stress on their IT bandwidth. This dynamic may also challenge their ability to respond to the need for additional resources while also managing the demands of an ever-expanding data center footprint.

Typically, companies pursue a public cloud option as a viable solution. However, adding the wrong cloud to the portfolio could potentially increase both cost and risk. Issues that may arise include incompatibilities within the current workload, the necessity to revise existing governance and security models, and the need to invest in new tools and innovative skills.

VMware Cloud Foundation on IBM Cloud offers a better alternative. This solution brings together VMware vSphere, vSAN, and NSX into a native integrated stack of virtual compute along with virtual storage and networking. This service can operate independently or as a seamless hybrid extension of your existing on-premises data center.

VMware Cloud Foundation on IBM Cloud uses automation to save considerable time when deploying a new VMware environment, reducing the setup to hours instead of weeks. Dedicated bare

## Solution benefits

### Compatibility

VMware Cloud Foundation on IBM Cloud is compatible with workloads running in on-premises VMware environments.

### Consistency and Control

Native and full access to vCenter, as well as full function vSAN and NSX, allows you to manage resources using the familiar skills, tools, and policies already in place.

### Dynamic App Availability

Use vMotion to quickly and seamlessly move workloads to the cloud, between cloud data centers, and back again, as needed.

### Global Infrastructure

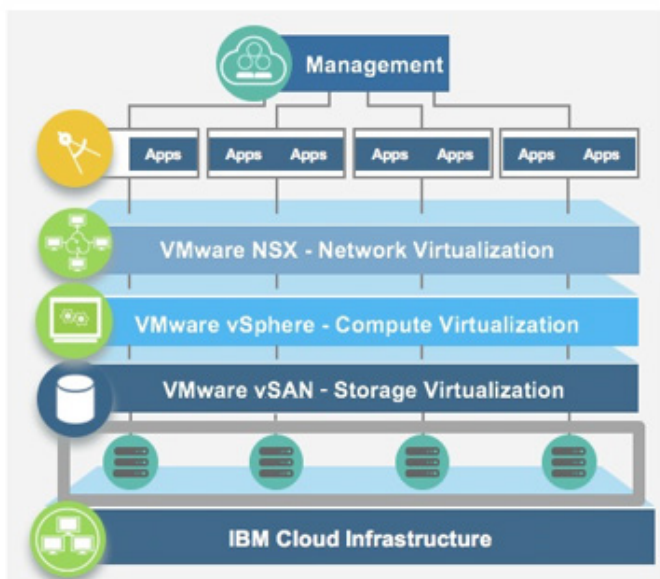
VMware Cloud Foundation on IBM Cloud is available in cloud data centers across the Americas, Europe, and Asia.

### Agility

Start with the size you need and expand or contract resources as needed. Pay only for what you use with IBM's monthly subscription pricing model.

### Lifecycle Management

VMware Cloud Foundation on IBM Cloud offers unique lifecycle management capabilities, including VMware's Software-Defined Data Center (SDDC) Manager, to simplify and reduce day-two management effort.







metal servers deployed in the IBM Cloud data center of your choice provide full control and security for important workloads. They also offer compatibility with your on-premises VMware environment, allowing you to move and deliver workloads seamlessly to the cloud.

Native access to the vCenter can deliver the same familiar interface for users ensuring existing tools, scripts and policies will work in the cloud. Additionally, VMware and IBM-provided integrated lifecycle management capabilities can automate and reduce day-two operational tasks while increasing admin productivity.

IBM offers VMware Cloud Foundation on IBM Cloud as a monthly subscription - inclusive of all infrastructure and software licenses and the flexibility to start small, expand or contract as needed.

Experience a virtually seamless transition to cloud with VMware Cloud Foundation on IBM Cloud. With a robust set of products, this solution enables you to manage your workloads in the cloud just as you do on premises.

## Use cases

	<p><b>Capacity Expansion</b></p>	<p>Quickly address resource constraints by adopting a hybrid model that deploys workloads in the cloud, growing as your needs expand. Take advantage of workload portability and compatible environments with VMware Cloud Foundation on IBM Cloud.</p>
	<p><b>Data Center Consolidation</b></p>	<p>Eliminate aging or redundant brown-field infrastructures by moving workloads onto a centrally managed, software-defined data center solution hosted on VMware Cloud Foundation on IBM Cloud.</p>
	<p><b>Development &amp; Testing</b></p>	<p>Provide teams a separate and fully compatible environment to deploy, test, and delete workloads rapidly and repeatedly, on demand. No more hiding and hoarding physical servers.</p>
	<p><b>Disaster Recovery &amp; Backup</b></p>	<p>Replicate environments and secure valuable data in the cloud while speeding recovery times, reducing risks, and cutting costs.</p>

## Available Cloud Foundation Configurations

### Small

Dual Intel Xeon E5-2650 v4, 24 cores total, 2.20 GHz, 128 GB RAM, 12 disks

**4-node cluster:**

74 vCPU & 256GB vRAM, 26 TB Storage  
(Approx. 41 production workloads\*)

**Expansion node:**

21 vCPU, 81 GB vRAM, 7.2 TB Storage  
(Approx. 13 production workloads\*)

### Standard

Dual Intel Xeon E5-2690 v4, 28 cores total, 2.60 GHz, 256GB RAM, 12 disks

**4-node cluster:**



88 vCPU, 582 GB vRAM, 26 TB Storage  
(Approx. 94 production workloads\*)

**Expansion node:**

24 vCPU, 163 GB vRAM, 7.2 TB Storage  
(Approx. 26 production workloads\*)

\* Production workload assumption = 4 vCPU, 8 GB vRAM

## Available Services

	<b>IBM Cloud Professional Services</b>	The IBM Cloud Professional Services team can help design, accelerate, and implement VMware solutions on bare metal servers. Whether you need help with implementation, workload migration, or a fully managed environment, we can assist.
	<b>IBM Integrated Managed Infrastructure Services</b>	Integrated Managed Infrastructure Services provide a catalog of customizable services to support proactive monitoring and management of your hybrid cloud infrastructure, applications, and workloads. By allowing clients to select specific service components and the level of service desired, IMI services support a full range of small business needs and large enterprise requirements based on cost, delivery time, quality, and compliance.

## Ready to Learn More?

Visit [www.ibm.com/cloud/vmware](http://www.ibm.com/cloud/vmware) or call **1-844-95-CLOUD (Priority code: CLOUD)**