



BMC Cloud Lifecycle Management and VMware vCloud Director

BMC and VMware enable full lifecycle control for business-critical services on private, public, and hybrid clouds.

Key Benefits

By combining technologies from BMC and VMware, enterprises and large service providers gain end-to-end management of their cloud infrastructure

- » Accelerate the transition to cloud computing while preserving existing investments and improving control
- » Enforce consistent management of public, private, or hybrid cloud services
- » Achieve significant cost savings and accelerated time to market

Business Challenge

Cloud computing enables the pooling of resources into an on-demand, self-managed infrastructure, consumed as a service. By enabling users to directly configure and request computing resources — from basic infrastructure to applications — and to receive those services in an automated manner, cloud computing increases business agility and IT efficiency.

However, one critical challenge organizations face as they move to broader adoption of cloud technology is management of the cloud — from physical hardware to virtual machines to available cloud services.

The Joint BMC and VMware Solution

BMC, with its heritage of enterprise-class management solutions, and VMware, the industry leader in virtualization, help IT departments achieve the goals of cloud computing. Together, these industry pioneers provide enterprises and service providers with an integrated, end-to-end management solution for on-boarding users, enabling service requests, and delivering the full lifecycle of cloud services.

BMC Cloud Lifecycle Management

BMC brings together the benefits of traditional IT management — operational excellence, automation, and service delivery models — and merges them with the dynamic potential of cloud architectures. BMC Cloud Lifecycle Management provides the foundation for a strong, flexible, and valuable cloud infrastructure that supports IT operations and delivers exceptional service quality to the business. Like all BMC solutions, BMC Cloud Lifecycle Management is built on a philosophy of open, heterogeneous support for a variety of platforms, including physical, virtual, and private, public and hybrid cloud environments.

BMC Cloud Lifecycle Management enables clouds that can provision configurable, multi-tier cloud services. Each service is defined in a Service Blueprint that brings together a functional description of the service and a variety of deployment models and sizes. Beyond this, a service can have a set of user-configurable options, such as compliance verification, monitoring, additional capacity, or applications.

Guiding the delivery of cloud services is the Service Governor, a policy-based engine that brings together information about the user, the cloud service request, compliance and security requirements, and even service levels to guide the provisioning and intelligent placement of the new cloud service.

BMC Cloud Lifecycle Management can even layer compliance rules and monitoring tools into each service delivered, thus providing users with precisely the options they require, while also maintaining the tight controls necessary to manage a complex IT environment. In this way, IT is not burdened with maintaining an enormous template library. Once provisioned, the service enters its operational phase, where BMC solutions can manage the normal day-to-day activities of performance and capacity management, as well as patching and configuration management.

VMware vCloud Director

VMware enables a pragmatic approach to achieving the levels of efficiency and agility characterized by cloud benchmarks. Since businesses do not have the luxury of throwing away their existing investments in applications, hardware, and know-how, the transformation to cloud needs to start inside the enterprise firewall by turning today's data center into a secure private cloud. Because the private cloud uses elastic pools of resources and offers self-service access, enterprises can finally meet these benchmarks.

vmware

 **bmcsoftware**
PARTNER NETWORK

VMware vCloud Director is a software solution that enables enterprises and service providers to build clouds to deliver infrastructure-as-a-service. The result is an agile, efficient, and trusted cloud infrastructure with the capability to leverage the hybrid cloud.

VMware vCloud Director enables customers to build secure, multitenant hybrid clouds by pooling infrastructure resources into virtual data centers and enabling those resources to be consumed by users on-demand. vCloud Director pools data center resources, including compute, storage, and network, along with their relevant policies, into virtual data centers. Fully encapsulated multi-tier virtual machine services are delivered as vApps, using the Open Virtualization Format (OVF). End users and their associated policies are captured in organizations, with programmatic and policy-based pooling of infrastructure, users, and services.

VMware vCloud Director enforces policy intelligently to create flexibility and portability. By building secure and cost-effective hybrid clouds with vSphere and VMware vCloud Director, IT organizations can become true service providers for the businesses they support, driving agility and efficiency with confidence and control.

In parallel, VMware is working with hosting and service providers to enable compatible public cloud infrastructures. By driving towards federation and common management services between clouds, VMware's cloud infrastructure presents a path towards a seamless, dynamic operating environment. This approach will ultimately enable the bridging of internal resources with available external resources, helping businesses achieve the full flexibility and benefits of cloud computing. The result is a hybrid cloud that offers the best of both worlds with the lowest total cost.

VMWARE

VMware (NYSE:VMW), the global leader in virtualization and cloud infrastructure, delivers customer-proven solutions that accelerate IT by reducing complexity and enabling more flexible, agile service delivery. VMware enables enterprises to adopt a cloud model that addresses their unique business challenges. VMware's approach accelerates the transition to cloud computing while preserving existing investments and improving security and control. With more than 250,000 customers and 25,000 partners, VMware solutions help organizations of all sizes lower costs, increase business agility and ensure freedom of choice.

BUSINESS RUNS ON I.T. I.T. RUNS ON BMC SOFTWARE.

Business thrives when IT runs smarter, faster and stronger. That's why the most demanding IT organizations in the world rely on BMC Software across distributed, mainframe, virtual and cloud environments. Recognized as the leader in Business Service Management, BMC offers a comprehensive approach and unified platform that helps IT organizations cut cost, reduce risk and drive business profit. For the four fiscal quarters ended June 30, 2011, BMC revenue was approximately \$2.1 billion.

The Joint Value

BMC Cloud Lifecycle Management is integrated with VMware management tools to provide consistent management and performance of virtual infrastructure. Coupling BMC Cloud Lifecycle Management with VMware vCloud Director enables infrastructure-wide orchestration and service catalog with the scalability and multi-tenant VM provisioning technologies, giving customers control of the entire lifecycle of business-critical services for private, public, and hybrid clouds.

Figure 1 depicts the flow of the joint solution, starting with the submission of the request through a portal, moving through the configuration of the service, and ending with the underlying provisioning of the server, network, and storage components.

Together, these advanced, integrated solutions enable organizations to leverage existing personnel, processes, and technologies. As a result, IT staff has a single set of solutions that encompass physical and virtual assets, both inside and outside the data center.

For More Information

To learn more about BMC Cloud Lifecycle Management, visit www.bmc.com/cloud. To learn more about VMware vCloud Director, visit www.vmware.com.

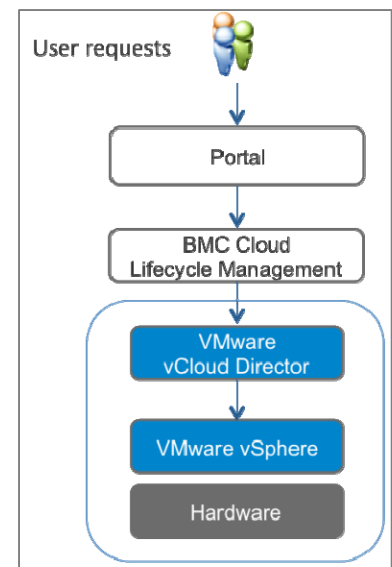


Figure 1. The BMC and VMware solutions, in concert.