

## Enhanced visibility, speed, control and governance while managing your private and public cloud operations

Despite their benefits, multi-cloud environments can be difficult to manage. These cloud services emerge to meet specific business needs, and often, with little IT input - creating organizational inefficiencies, combined with the need for the IT administrator to then deploy and maintain multiple management interfaces, increasing costs and reducing operational efficiency.

Embotics® vCommander® leverages a comprehensive set of multi-hypervisor virtualization and cloud management capabilities to allow organizations at any stage of cloud adoption to build and implement the framework, process, automation, policies, and cloud governance that will result in an optimized hybrid cloud environment.

**Power without Complexity** | Easy to install and configure, vCommander is a cost-effective, scalable solution that delivers customer self-service portals, multi-tenancy and platform-neutral orchestration capabilities in a single, integrated software package.

### AN EASY-TO-USE, INTEGRATED VIRTUALIZATION AND CLOUD MANAGEMENT PLATFORM

- ▶ Delivers the fastest time-to-value in the industry.
- ▶ Integrates with your existing environment.
- ▶ Takes control of your virtualized data center in less than 24 hours.
- ▶ It's non-disruptive and non-intrusive.
- ▶ Integrates smoothly with your existing virtualization and cloud technology providing value-add across both greenfield and brownfield environments.
- ▶ Transparently enforce cloud governance across your varied public cloud environments.

### ONE PRODUCT

vCommander combines automation and resource management into a single product that can start delivering value in less than one hour. No other products to buy, no other interfaces to learn.



# Product Features

## Self-service provisioning and management

- Self-service provisioning and management allow users to view and manage virtual machine (VM) and application workloads, including the ability to request new workloads or request changes to existing workloads. Using the web-based Service Portal, virtual infrastructure administrators provide stakeholders with an elegant but information-rich view of their assets without allowing any access to the underlying private or public cloud infrastructure. vCommander's integrated workflow engine makes it easy to automate your key provisioning tasks.

## Chargeback and IT costing

- vCommander assigns and tracks virtual asset costs in real time, with comprehensive reporting on virtual infrastructure costs and growth trends. Use this information for budgetary planning, VM workload placement decisions and providing costing reports to your IT service consumers.

## Capacity and resource management

- vCommander predicts and identifies constraining resources so that you can address bottlenecks before they happen. vCommander also provides rightsizing recommendations coupled with their cost implications, so that users can make informed decisions about the resources they consume.

## Lifecycle management

- vCommander's robust policy engine automates VM lifecycle management, ensuring that VMs are decommissioned within set time limits, and allowing you to easily target specific areas of public cloud consumption that are used by R&D teams for short-term use (such as accounts, regions, or VPCs). Flexible notification and expiry extension options ensure that users are well informed and able to keep VMs and application workloads active for as long as they are needed, without introducing sprawl.

## Reporting and analytics

- vCommander delivers immediate value with best-practice virtual infrastructure reports, VM sprawl information, and capacity and growth indicators. Use the fully customizable reports to create unique views of your virtual infrastructure that can be sent to organizational stakeholders on a regular schedule. Powerful search capabilities complement the library of predefined reports and enable ad-hoc querying of hundreds of data points.



Through the use of capacity reports and trends, customers are able to track and map capacity utilization in their environments.



# embotics

**about embotics.** Embotics is the cloud automation company for IT organizations and service providers that need to improve provisioning or enable self-service capabilities. With a relentless focus on delivering a premier user experience and unmatched customer support, Embotics is the fastest and easiest way to automate provisioning across private/public/hybrid cloud infrastructures. Its flagship product, Embotics vCommander, is used by organizations such as Nordstrom, NASA, Fanatics, Informatica.



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# Cloud Governance Features

## AWS Tag Enforcement

- With vCommander's AWS tagging synchronization coupled with vCommander's Compliance Policy, you can certify that all your AWS instances follow these best practices. You can also make policy enforcement as strict or lenient as you like, by either just reporting on those instances not following your corporate AWS tagging rules, or by being more restrictive and ensuring they are always powered off or even running custom workflows that can perform any task you'd like upon detection of an offending instance.

## Instance Type Control

- When using vCommander for self-service provisioning automation, you can control the instance types your developers can use. This keeps the number of instance types used by your organization down to a manageable minimum, allowing you to gain economies of scale and more fully take advantage of Reserved Instance purchases. The instance types can be configured per service catalog blueprint providing extensive flexibility across your various service offerings, while still enforcing instance type consistency and governance.

## Automated Governance Policy Enforcement

- vCommander's self-service catalog and provisioning automation gives system administrators the flexibility to offer and/or enforce governance policies at provisioning time through workflows. Security image scans can be executed before powering on a new VM. The master images contained in the service catalog that are used as templates for the organization can be updated with the latest security patches.
- New production VMs can be registered and scheduled for the appropriate backup services when they are provisioned. Similarly, via integrations with third party services such as Zerto ZVR, mission critical VMs can be DR protected automatically.

## Change Request Orchestration

- vCommander's orchestration engine provides an easy mechanism to automate changes for both production and engineering instances. In production you can have strict controls around who must approve changes, and can schedule changes to occur in pre-defined maintenance windows. For engineering workloads you can alternatively have more lenient controls, such as automatically performing any requests to downsize an instance, but enforcing approvals for instance upsizing or when requests exceed any pre-defined resource or cost quota.



The policy based automation of vCommander provides the proper level of control through orchestration, while still enabling engineering teams the freedom to consume public cloud resources as needed.



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# vCommander Use Cases

Do you feel stuck between two positions? Pressured to follow the same tried and true processes while your consumers are asking for faster service delivery that you know will require IT process change?

With Embotics vCommander solutions you will deliver products and services faster to market. Embotics vCommander offers five solution use cases with features tailored to an organization's specific requirements:

## Private Cloud Automation

- Provides all the features you need to manage your on-premise cloud and the underlying virtual resources—you don't have to buy multiple products.

## Multi-hypervisor & Public Cloud Brokering

- Supports multiple hypervisors and clouds without locking you into a particular solution or platform, allowing you to leverage existing data center investments and providing a path to workload brokering across AWS, Azure and other public clouds.

## Lab Management

- Enables you to rapidly provision multiple test and development environments and to reduce test lab capital and operating costs.

## DevOps

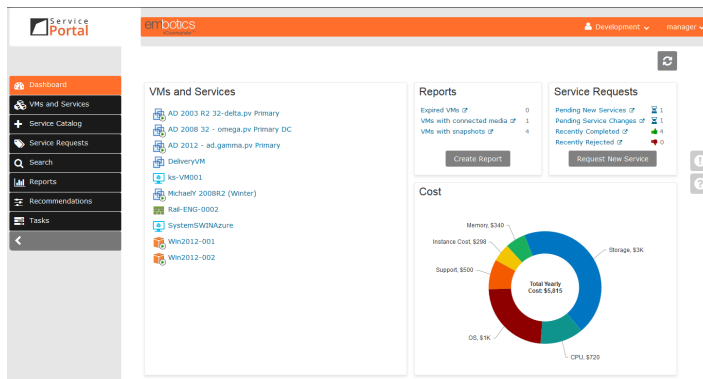
- Integrate seamlessly with third party tools such as Chef or Puppet, and provide application automation to your DevOps team.

## Virtualization Management

- Improves efficiency, reduces costs and complexity while optimizing planning and growth.

## CLOUD INFRASTRUCTURE SUPPORT

- vCommander overlays on top of your existing virtual infrastructure and provides deep support for:
  - VMware vSphere
  - Microsoft Hyper-V
  - Amazon Web Services (AWS)
  - Microsoft® Azure
- The real-time platform is designed to be hypervisor and public cloud independent and suitable for both greenfield and brownfield environments, efficiently overlaying seamlessly across your existing architectures.



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