

# UNIFIED INFRASTRUCTURE MANAGER/PROVISIONING

## Centrally Manage the Components of Vblock™ Infrastructure Platforms

Reducing time to market to efficiently deliver a new service or provide a foundation for cloud computing has become a necessity in today's fast-paced business environment. Without business agility, you may fall behind on new business opportunities, impacting company image and limiting your revenue growth.

You can transform IT into a more agile organization with the Vblock™ Infrastructure Platforms and Unified Infrastructure Manager/Provisioning (UIM/P). With UIM/P, your IT staff can automate the critical functions necessary to efficiently and rapidly deliver a foundation for cloud computing, extending virtualization ROI.

## Speed Service Delivery and Reduce Errors With Policy-Based, Automated Converged Infrastructure Provisioning

### Easily Define and Create Infrastructure Service Profiles to Match Business Requirements

With service profiles, you can create infrastructure “recipes” needed to build IT services and form the basis for delivering Infrastructure as a Service (IaaS). From within a unified dashboard, build various tiers of service profiles for network, compute, and storage configuration to be used as standard units of service.

### Separate Planning From Execution to Optimize Senior IT Technical Staff

Traditional provisioning practices have senior IT technical staff provisioning components within their own IT silos, with many handoffs between groups during the process.



With UIM/P automated provisioning, you can use senior IT technical staff to organize, pool resources, and create and publish the Vblock platform service, leveraging level 1 IT staff to select the service and activate the provisioning process.



## Essentials

- Policy-based, automated converged infrastructure provisioning
- Maintain compliance with Vblock platform standards
- Part of VMware's Zero Touch infrastructure

### Respond to Dynamic Business Needs With Infrastructure Service Life Cycle Management

Once defined and created by senior IT technical staff, provisioned and activated by level 1 IT staff, an infrastructure service might need to be changed. This can be easily accomplished with non-disruptive elastic provisioning, giving you the ability to add infrastructure components (blades, storage, VLANs) and release components within that infrastructure service.

To optimize the resource distribution between services to ensure that the best performance and availability SLAs are met, you can either deactivate a service or release all blade resources from a service to reassign elsewhere.

When the need for the service has expired, the infrastructure supporting it can be quickly and safely decommissioned (including all dependencies), returning the resources to available pools.



### Maintain Vblock Platform Compliance With Policy-Based Management

Set and enforce configuration policies to ensure system-wide compliance to avoid configuration drift. These policies can also ensure that your Vblock platform is configured according to EMC, VMware, and Cisco best practices.

View the inventory of the Vblock platform components to understand the quality of the infrastructure through grading. Examples:

- How much gold storage left in Vblock Series 300?
- Which blade grades and how many are used in a given service?

Track and flag infrastructure services that have been modified outside of the UIM-specified configuration.

Examples:

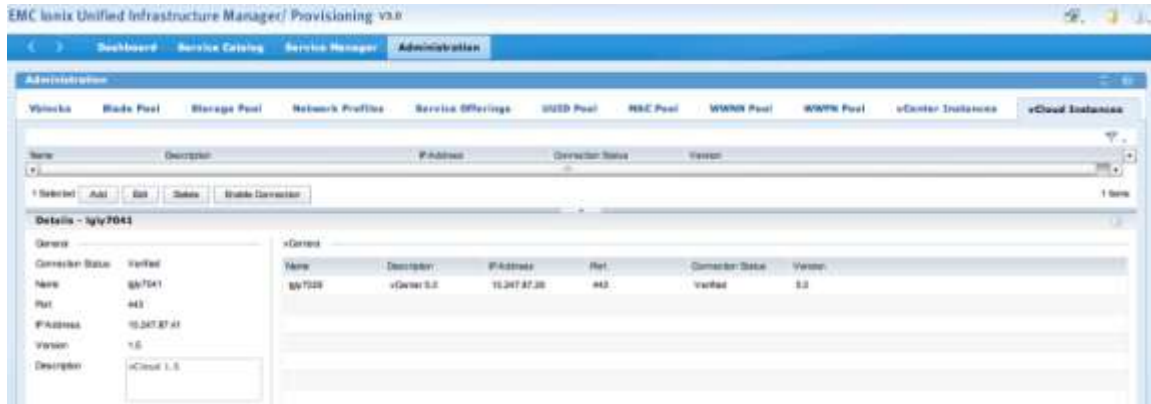
- Verify security settings like SSH or Telnet enabled/disabled.
- Verify there are no duplications of MAC addresses.

View the infrastructure services created. Examples:

- How many development/engineering clusters are in your infrastructure?
- How many server farms did I push to a Vblock platform?

## Extended Management Capabilities With Integration

The in-context integration with VMware vCenter™ server synchronizes ESX and ESXi clusters for comprehensive, aligned management. Common cluster settings such as DRS and HA are also available to be set. The VMware vCloud Director integration provides for the creation of a provider VDC (virtual data center) out of the infrastructure service. This enables users to immediately take the infrastructure and distribute it to the organizations.



Manage your Vblock platform via the in-context integration with Unified Infrastructure Manager/Operations.

- Purpose-built for Vblock platforms, bringing you visibility into the Vblock platform as a single entity, or into the individual components (storage, network, compute, and hypervisor).
- No discovery needed. Just select UIM/P as the data source and you can begin creating topology views and service views, or perform root cause-and-impact analysis to show the services affected by an issue.

For self-service infrastructure provisioning, use the API for external systems such as orchestration solutions, to initiate the provisioning process.

## ABOUT VCE

VCE, the Virtual Computing Environment Company formed by Cisco and EMC with investments from VMware and Intel, accelerates the adoption of converged infrastructure and cloud-based computing models that dramatically reduce the cost of IT while improving time to market for our customers. VCE, through the Vblock platform, delivers the industry's first completely integrated IT offering with end-to-end vendor accountability. VCE's prepackaged solutions are available through an extensive partner network, and cover horizontal applications, vertical industry offerings, and application development environments, allowing customers to focus on business innovation instead of integrating, validating and managing IT infrastructure.

**For more information, go to [www.vce.com](http://www.vce.com).**

