

Kelverion

VM Provision and Management Solution

Heterogeneous Self-Service Virtual Machine Provisioning

This VM Provisioning and Management Solution enables System Center user to create and manage Virtual Machine instances on premise or in the cloud from a Service Request Portal, automated via System Center Orchestrator.

With the power of Windows Server and System Center Self-Service Virtual Machine Provision has been placed into the hands of all Microsoft's customers large or small. A fully automated Self Service provision of a VM from a Service Catalogue is now a reality whatever the size of your IT team.

We also recognize that for some customers using the Self Service capability of their Service Desk product is either too complex and time consuming or not feature rich. Therefore our solution now leverages the power of the Kelverion Automation Portal to drive the solution from a light weight HTML5 web portal.

This is a fully adaptable offering which is easily extendable to use your own third party Service Catalogue or Change Request System such as BMC Remedy, ServiceNow, CA Service Desk Manager or HP Service Manager to initiate the process.

The flexibility of the solution also allows you to host the Service Catalogue in the Automation Portal and then drive the Change Process via your existing Service Desk.

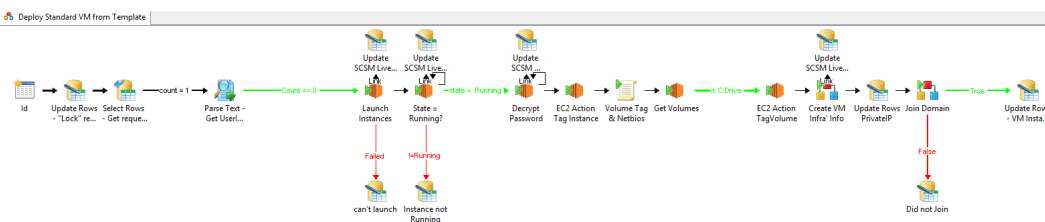
New Virtual Machines are added to the Portal CMDB or could be created in your own CMDB such as BMC Atrium, CA SDM or ServiceNow.

The solution is not restricted to Microsoft HyperV. It will provision HyperV, VMware, Citrix XenServer, Microsoft Azure Compute or Amazon EC2 VMs or all five simultaneously, or alternatively the Self-Service migration of VMs between hypervisors.

The screenshot shows the Kelverion web portal interface for creating a new request. The breadcrumb trail is: Services > VM Provisioning and Management > Deploy a Standard VM to Microsoft Azure > New Request. The 'Request Fields' section includes:

- VM FQDN:** A text input field with the instruction 'Enter the Fully Qualified Domain Name of the Virtual Machine'.
- Description:** A text input field with the instruction 'Enter the Description of the Virtual Machine'.
- Infrastructure Region:** A search box and a radio button selection for 'Region' with options 'Central US' and 'East US2'. Below it, the instruction reads 'Select the Infrastructure Region to deploy the Virtual Machine in'.
- Virtual Machine Template:** A search box and a radio button selection for 'Template Name' and 'Template ID'. One option is visible: 'Windows Server 2012 R2 Datacenter' with ID '6f994f4373c54fcb0cd72bb13896108_Windows-Server-2012-Datacenter-20160430-en-us-127GB_vhd'. Below it, the instruction reads 'Select the Virtual Machine Template to use'.
- VM Instance Type:** A search box and a table of instance types.

Type	CPUs	MemoryGB
<input type="radio"/> Azure ExtraSmall	0.5	0.8
<input type="radio"/> Azure Small	1	1.5
<input type="radio"/> D1	1	3.5



Cloud & Hybrid Automation Experts

Kelverion

This Orchestrator driven solution delivers a number of fully automated functions:

- Automation Portal Service Catalogue Request being received
- HyperV VM deployed via Virtual Machine Manager
- VMware, EC2 or Azure VM provisioned directly via an Orchestrator Integration Pack.
- VM CI created in the Portal CMDB

The offering can be easily extended to enable heterogeneous system support such as:

- Use your own third party Service Catalogue or Change Request System
- Create VM CI in your own third party CMDB
- Self-Service migration of VMs between Hypervisors
- Physical server provisioning

The Self-Service VM Provision offering supports the following Target systems:

Virtualisation Technologies

- Microsoft HyperV
- VMware vSphere
- Citrix XenServer
- Amazon EC2
- Microsoft Azure

Service Catalogue or Change Request

- Kelverion Automation Portal
- System Center Service Manager
- BMC Remedy ARS
- ServiceNow
- CA Service Desk Manager
- HP Service Manager

CMDBs

- ServiceNow
- BMC Atrium
- CA Service Desk Manager
- ServiceNow

The screenshot displays the 'Request Fields' section of the 'Modify A Standard VMware vSphere VM' interface. It includes a search bar for 'Virtual Machine' and a table of available VMs. Below this is a section for 'Select the Virtual Machine to modify' and another for 'Select New Template' with a search bar and a table of templates.

FQDN	Type
<input type="radio"/> RC-TEST-0002.lab.kelverion.com	vSphere.micro
<input type="radio"/> RC-VS-TEST009.lab.kelverion.com	vSphere.small
<input type="radio"/> RC-VS-test011.lab.kelverion.local	vSphere.small
<input type="radio"/> rc-vs-test020	vSphere.custom2
<input type="radio"/> rc-vs-test021.lab.kelverion.local	
<input type="radio"/> rc-vs-test023.lab.kelverion.com	vSphere.Medium
<input type="radio"/> RC-VS-Win002.lab.kelverion.com	vSphere.Medium
<input type="radio"/> vs-rc-test-032.lab.kelverion.com	vSphere.Custom

Type	CPUs	MemoryGB
<input type="radio"/> Medium	1	4
<input type="radio"/> Small	1	2

Kelverion are a Microsoft System Center and Cloud Partner who offer Integration Packs and Tools to enhance System Center Orchestrator and Azure Automation and deliver System Center implementation services.

Find out more at <http://www.kelverion.com>



Cloud & Hybrid Automation Experts