



# Kelverion

## VM Provisioning and Management Solution for System Center Orchestrator

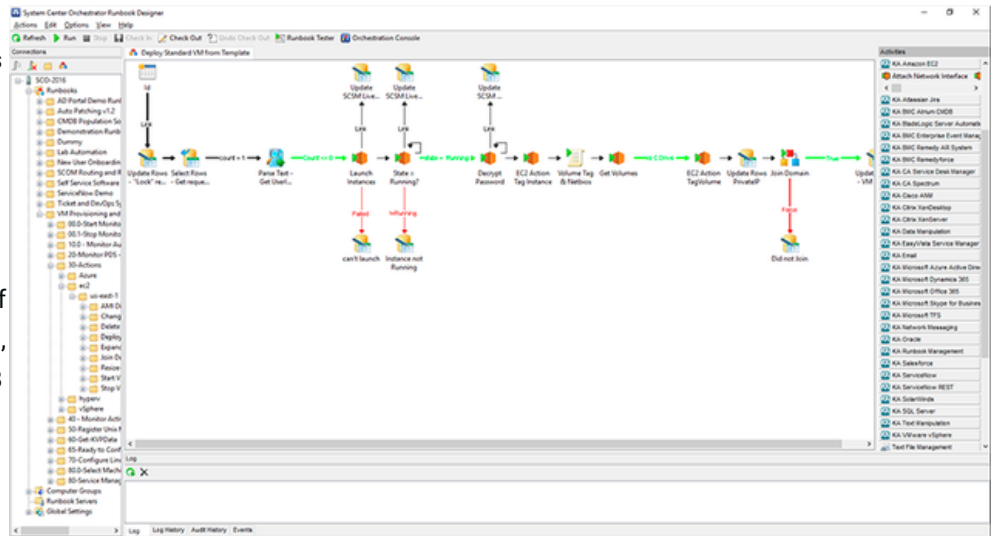
Enable controlled, self-service virtual machine provisioning and lifecycle management across Hyper-V, VMware vSphere, Microsoft Azure and Amazon EC2, automated through Microsoft System Center Orchestrator and the Kelverion Automation Portal.

The VM Provisioning and Management Solution gives System Center Orchestrator customers a ready-to-deploy automation framework for delivering virtual machines through a controlled self-service request process. Approved users request a virtual machine through the Kelverion Automation Portal or an existing service catalogue, while System Center Orchestrator executes the provisioning workflow and updates configuration data in the portal CMDB or a third-party CMDB.

The solution is designed for heterogeneous environments and can support Microsoft Hyper-V, VMware vSphere, Microsoft Azure Compute and Amazon EC2, helping IT teams standardise VM requests, reduce manual fulfilment effort and extend the value of their existing System Center Orchestrator investment.

### The Challenge: Manual VM Management Slows IT Down

- VM requests are often fulfilled manually by skilled administrators, creating delays and operational bottlenecks
- Different platforms, portals and management tools make it harder to deliver a consistent request experience across hybrid infrastructure
- Manual provisioning increases the risk of missed steps, inconsistent configuration, unapproved builds and inaccurate CMDB records
- Service desk tools may not provide the flexible, feature-rich self-service experience required for controlled VM provisioning
- IT teams need to balance fast delivery with governance, approval, security and lifecycle control
- Disconnected request, fulfilment and CMDB processes make it difficult to track what has been built, who requested it and when it should be reviewed or retired



The solution is positioned for organisations that want to keep System Center Orchestrator at the centre of infrastructure automation while giving users a simpler, governed way to request virtual machines. It wraps existing virtualisation platforms, service desks and CMDBs with reusable automation, helping customers modernise service delivery without replacing established operational tooling.



## Benefits for System Center and Orchestrator Customers

- **Reduce manual effort**  
Automate repeatable VM request and provisioning steps so skilled staff can focus on higher-value work
- **Improve consistency**  
Runbooks execute approved processes the same way every time, reducing variation and configuration errors
- **Accelerate service delivery**  
Enable approved users to request VMs through self-service while Orchestrator performs the fulfilment
- **Support hybrid infrastructure**  
Provision across Hyper-V, VMware vSphere, Microsoft Azure Compute and Amazon EC2 from a common automation model
- **Strengthen governance**  
Connect service requests, change activity and CMDB updates into a controlled workflow
- **Extend Orchestrator value**  
Use existing System Center skills and runbook infrastructure to automate modern VM management processes
- **Improve auditability**  
Keep request, fulfilment and completion activity aligned through the automation workflow


**Kelverion**
Automation Portal  
Welcome to the Automation Portal

Services
VM Provisioning and Management
Stop VM - New Request

**Fields**

**Infrastructure**

Search

| Infrastructure                                    |
|---------------------------------------------------|
| <input type="radio"/> Amazon EC2                  |
| <input type="radio"/> Microsoft Azure             |
| <input checked="" type="radio"/> Microsoft HyperV |
| <input type="radio"/> VMware vSphere              |

Found: 4 rows

Please Select the target infrastructure

**Virtual Machine**

Search

| FQDN                                         | Description | DeploymentType | VMTemplateUsed |
|----------------------------------------------|-------------|----------------|----------------|
| <input type="radio"/> TestSW.kelverion.local | TestVM      |                |                |

Found: 1 rows

**ActionDate**  

yyyy-mm-dd

**ActionTime**  

9:28 AM

## Typical Automation Scenarios

- Request and approve a new virtual machine from a self-service catalogue
- Provision a Hyper-V virtual machine through System Center Virtual Machine Manager
- Provision VMware vSphere, Microsoft Azure Compute or Amazon EC2 virtual machines through Orchestrator Integration Packs
- Create or update a VM configuration item in the Kelverion Automation Portal CMDB
- Extend fulfilment to create or update records in a third-party CMDB
- Initiate VM provisioning from an existing service desk or change management process
- Support multi-platform VM provisioning from a consistent request and automation framework



### Key Capabilities

- Self-Service Request Portal**  
 Provide a lightweight portal for approved users to request VM services
- System Center Orchestrator Execution**  
 Automate VM fulfilment through controlled Orchestrator runbooks
- Heterogeneous VM Provisioning**  
 Support Hyper-V, VMware vSphere, Microsoft Azure Compute and Amazon EC2
- Service Desk Integration**  
 Extend the request process to third-party service catalogue and change systems
- CMDB Integration**  
 Record VM configuration items in the Portal CMDB or selected third-party CMDB platforms
- Adaptable Framework**  
 Extend the solution to reflect customer-specific approval, change, naming and infrastructure requirements
- Kelverion-Led Implementation Option**  
 Use Jump Start support to accelerate deployment and configuration

### Automation Use Cases Included

| Automation Area        | Included Use Cases                                                                                        | Customer Value                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Service Request Intake | Receive a VM provisioning request from the Kelverion Automation Portal or a third-party service catalogue | Gives users a simple request experience while keeping fulfilment controlled by IT              |
| Hyper-V Provisioning   | Deploy a Hyper-V virtual machine through System Center Virtual Machine Manager                            | Standardises Hyper-V builds and reduces manual work for infrastructure teams                   |
| VMware Provisioning    | Provision VMware vSphere virtual machines directly through an Orchestrator Integration Pack               | Extends Orchestrator automation across VMware environments                                     |
| Cloud VM Provisioning  | Provision Microsoft Azure Compute or Amazon EC2 virtual machines through Orchestrator automation          | Supports consistent VM delivery across hybrid and cloud platforms                              |
| CMDB Update            | Create a VM configuration item in the Portal CMDB or a third-party CMDB                                   | Improves visibility, governance and downstream operational tracking                            |
| Service Desk Extension | Integrate with external service catalogue, change request or ITSM platforms                               | Allows customers to preserve existing service management processes while automating fulfilment |



## Jump Start Service

Kelverion can provide a led installation and configuration service to help deploy the VM Provisioning and Management Solution into the customer environment. The customer provides remote access and subject matter expertise around the VM infrastructure configuration, while a Kelverion consultant leads the installation and configuration. The implementation service is valid for three months from solution purchase.

The scope of the Kelverion-led implementation is defined as:

- Deployment into a single environment only, such as Non-Production or Production, not both
- Integration of the application with one VM infrastructure, either Microsoft Hyper-V via System Center Virtual Machine Manager, VMware vSphere via vCenter, Amazon AWS EC2 or Microsoft Azure Compute
- Configuration of the integration to the Kelverion Automation Portal
- Configuration of the integration to the virtualisation environment
- An approved user enters the Kelverion Automation Portal and requests the provision of a virtual machine, creating a new request in the portal
- System Center Orchestrator detects the request and provisions a new VM in the infrastructure using an existing virtual machine template
- System Center Orchestrator marks the request as complete when the VM is built

Customer responsibilities are:

- Provide Kelverion with remote access to the environment
- Install the System Center tools, including Orchestrator and the target systems
- Ensure VM templates have been built and are available to call from the infrastructure management platform
- Manually test the templates to confirm successful deployment and operation of a guest VM in the VM platform

Services » VM Provisioning and Management » Modify A Standard VMware vSphere VM » New Request

Request Fields

Virtual Machine

Search

| 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  |

Select the Virtual Machine to modify

Select New Template

Search

| Type                         | CPU's | MemoryGB |
|------------------------------|-------|----------|
| <input type="radio"/> Medium | 1     | 4        |
| <input type="radio"/> Small  | 1     | 2        |

Select new template to apply to the Virtual Machine



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### EMEA and Asia

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### Why Kolverion?

Kolverion specialises in Microsoft automation and has been providing Integration Packs, ready-made runbook solutions and consultancy services for System Center Orchestrator and Azure Automation since 2010. Kolverion helps organisations connect Orchestrator to enterprise IT systems, service desks and infrastructure platforms so automation can trigger, track and report on operational processes across the tools customers already use.

- Deep expertise in System Center Orchestrator and Microsoft automation
- More than 35 Orchestrator integrations available for enterprise IT systems
- Production-ready automation solutions that reduce time to value
- Automation Portal capability for self-service request submission, tracking and reporting
- Professional services support for deployment, configuration, optimisation and ongoing automation success

### Ready to Simplify VM Provisioning and Management?

Speak to Kolverion about the VM Provisioning and Management Solution for System Center Orchestrator. Arrange a demonstration, request a datasheet or discuss the Jump Start service to see how quickly your organisation can move from manual VM fulfilment to controlled, self-service infrastructure automation.



For more information contact our helpful team today

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🌐 [kolverion.com](http://kolverion.com)



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