



Kolverion

Automated Patching Solution for Azure Automation

Automate patch scheduling, deployment control and compliance processes with secure self-service, consistent runbooks and low-code automation powered by Azure Automation and Kolverion Runbook Studio.

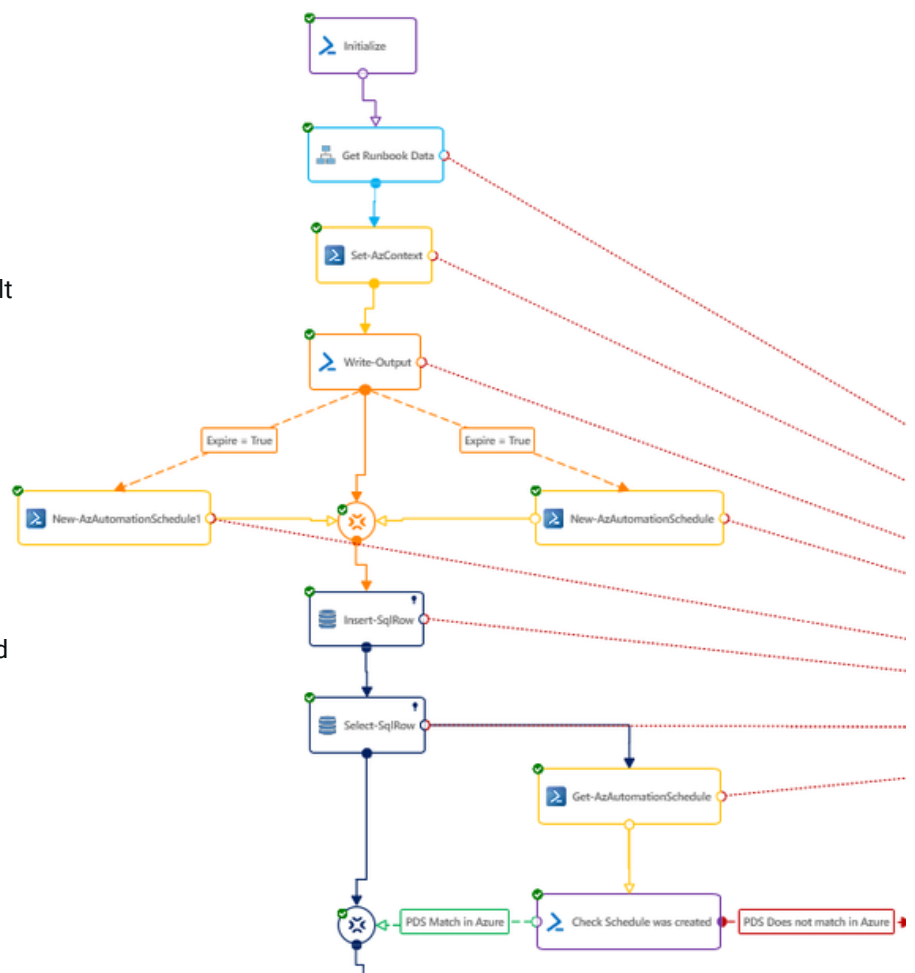
The Automated Patching Solution gives IT operations teams a ready-to-deploy automation framework for controlling monthly software and security patch deployments through Azure Automation. It combines prebuilt runbooks, service desk or portal requests, SCCM integration and Kolverion Runbook Studio so approved users can select patch schedules while Azure Automation performs the orchestration in a controlled, repeatable and auditable way.

The solution helps organisations reduce patching administration, improve deployment reliability, strengthen change control, minimise avoidable disruption and increase patch compliance across Windows client estates.

The Challenge: Manual Patching Processes Create Risk and Delay

Monthly patch deployments are often time-consuming, repetitive and unreliable. Administrators must download updates, test them, agree deployment schedules, create and maintain maintenance windows, raise change requests, verify collections and create deployment jobs for each schedule. In large estates or managed service environments, these repeated tasks can become a full-time operational burden

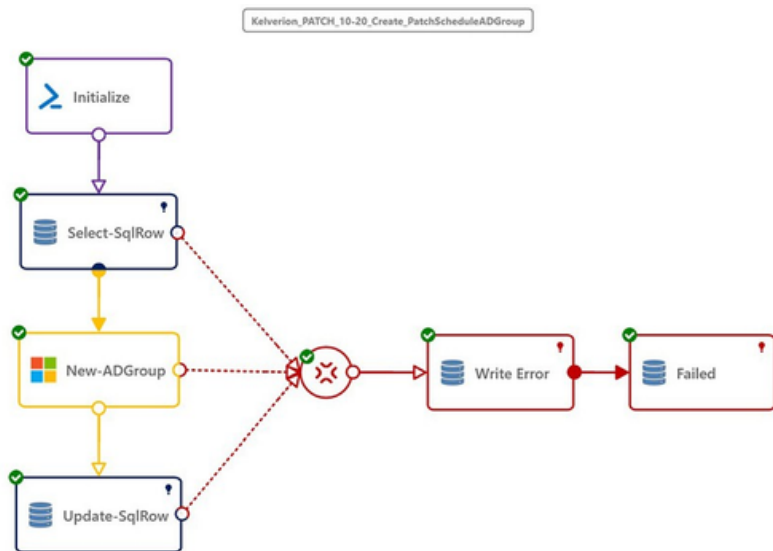
- Skilled SCCM and Config Manager administrators spend too much time coordinating routine monthly deployments
- Manual scheduling increases the risk of inconsistent execution, missed steps and patching delays
- Complex maintenance windows can be difficult to maintain and may not reflect changing service requirements
- Critical systems can be rebooted outside approved change windows if deployment control is weak
- Device owners often have limited control over when their devices are patched
- Compliance teams need clearer visibility of which devices were patched, manually patched or manually rebooted





The Automated Patching Solution is positioned for organisations that want to modernise patch orchestration without replacing their existing Microsoft automation, SCCM, service desk or change management investments. It wraps repeatable patching tasks in governed automation, allowing IT teams to deliver a more reliable patching service while maintaining operational control.

For Azure Automation customers, the solution accelerates value by providing ready-built patching runbooks and a proven operational model. For Runbook Studio customers, it shows how graphical, low-code runbook authoring can turn complex monthly operational processes into reusable, auditable automation services.



Benefits for Azure Automation and Runbook Studio

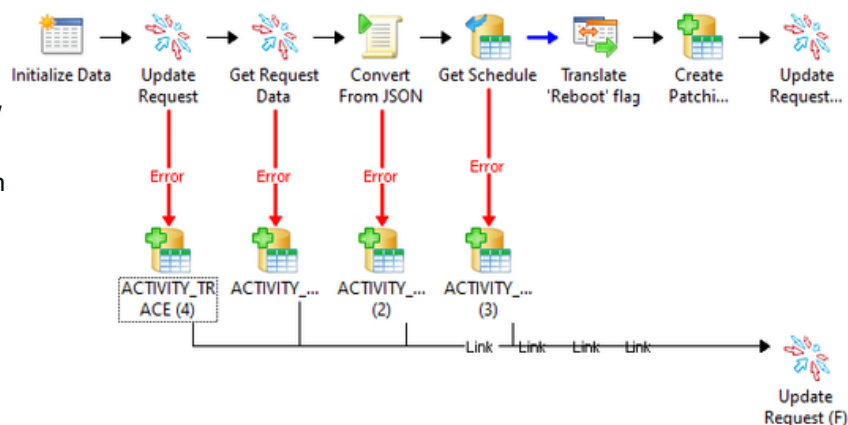
Customers

- **Reduce Manual Effort**
Automate the repeated monthly tasks that consume administrator time
- **Improve Reliability**
Execute patching control steps consistently through runbooks instead of manual hand-offs
- **Strengthen Change Control**
Link patch deployment enablement to approved change requests
- **Increase Service Availability**
Let device owners select appropriate patch schedules so critical devices do not all patch at the same time
- **Simplify SCCM Administration**
Reduce reliance on complex maintenance window configuration
- **Improve Compliance Visibility**
Identify devices that should have been patched, manually patched or manually rebooted
- **Enable Low-Code Automation**
Use Runbook Studio to design, maintain and extend patching runbooks through a graphical authoring experience
- **Extend Over Time**
Build on the supplied framework to automate more service desk, infrastructure and compliance processes



Typical Automation Scenarios

- Allow approved device owners to add devices to a patch deployment schedule through a portal request
- Create or update request records in ServiceNow or the Kolverion Automation Portal
- Use Azure Automation to detect approved patch schedule requests
- Add machines to Active Directory groups that drive SCCM collection membership
- Refresh SCCM so target collections reflect current patch schedule membership
- Create SCCM deployment jobs linked to approved change requests
- Enable patch deployments at scheduled start times
- Mark change requests as complete once SCCM has been instructed to deploy patches
- Support compliance checks for devices that require manual patching or rebooting



Key Capabilities

- **Self-Service Patch Schedule Selection**
Approved users choose the appropriate patch schedule for their devices
- **Azure Automation Execution**
Runbooks perform the orchestration steps consistently and repeatably
- **SCCM Integration**
Automation refreshes SCCM and creates or controls deployment jobs as part of the patching process
- **Service Desk Integration**
Requests can be initiated through ServiceNow or the Kolverion Automation Portal
- **Change-Controlled Deployments**
Patch deployment jobs are enabled in line with approved change windows
- **Active Directory Group-Driven Targeting**
Group membership drives collection membership and patch schedule assignment
- **Runbook Studio Authoring**
Low-code graphical design makes runbooks easier to build, maintain and extend
- **Reusable Automation Framework**
The approach can be extended to additional operational, compliance and service request processes.



Automation Use Cases Included

Automation Area	Included Use Cases	Customer Value
Patch Schedule Request	An approved user selects a patch deployment schedule for one or more devices through the portal	Delegates schedule ownership while maintaining controlled request submission
Device Targeting	Azure Automation adds the machine to the relevant Active Directory group	Standardises collection membership and reduces manual targeting errors
SCCM Refresh	Azure Automation refreshes SCCM so deployment collections reflect current group membership	Keeps deployment targets aligned with approved patch schedule requests
Change Request Deployment	SCCM administration raises a change request for the deployment of patches to deployment groups	Connects patching activity to the organisation's change control process
Deployment Job Creation	Azure Automation detects the change request and creates the corresponding SCCM deployment job	Reduces repeated administrative effort during monthly patch cycles
Scheduled Deployment Control	Azure Automation enables deployment jobs at the scheduled start time	Helps prevent unapproved deployment activity and avoid unnecessary reboots outside change windows
Request Completion	Azure Automation marks the change request as complete once SCCM has been instructed to deploy patches	Improves process closure, auditability and service desk visibility
Compliance Support	Patch schedule data helps identify machines requiring manual patching or manual reboot follow-up	Improves visibility of patch compliance and remediation requirements



Jump Start Service

Kelverion can provide a led implementation service to help deploy and configure the Automated Patching Solution in the customer environment. In this option, the customer provides remote access and subject matter expertise around Service Desk, SCCM and Active Directory configuration while a Kelverion consultant leads the installation and configuration of the solution.

The solution implementation service is valid for 3 months from solution purchase.

Name ▲▼	Description ▲▼
⚙️ Create Patching Schedule	Creates an Azure Schedule for Update Management
⚙️ Create Patching Deployment	Creates a patching deployment
⚙️ Enable or Disable Patching Schedule	Enable or Disable a patching schedule
⚙️ Create KB \ Package List	Creates a list of KBs \ Packages that can be used as an Include or Exclude list
⚙️ Deploy Update Management Clients	Deploys clients to a chosen Resource Group
⚙️ Add Devices to Patching Schedule	Add devices to a Patching Schedule Group
⚙️ Remove Patching Deployment	Removes a patching deployment

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

- Integration of the solution with ServiceNow or the Kelverion Automation Portal only
- Deployment into a single environment only, such as Non-Production or Production
- Configuration of the integration to ServiceNow or the Kelverion Automation Portal
- Configuration of the integration to SCCM
- An approved user enters the self-service portal and adds devices to a Patch Deployment Schedule, creating a new request in the portal
- Azure Automation detects the request and adds the machine to an Active Directory group
- Azure Automation refreshes SCCM
- The SCCM administrator creates a change request for deployment of patches to a set of deployment groups
- Azure Automation detects the request and creates a deployment job within SCCM
- Azure Automation enables deployment jobs at the scheduled start time
- Azure Automation marks the change request as complete once SCCM has been instructed to deploy patches

Customer responsibilities are:

- Provide Kelverion with remote access to the environment
- Install SCCM and the other target systems
- Set up an Azure Automation deployment
- Create collections in SCCM for the Patch Deployment Schedules
- Provide Active Directory groups that drive membership of the collections
- Download and test patches each month and create Software Update Groups in SCCM for deployment through the automated process



North and South America

5401 South Kirkman Road, Suite 700
Orlando, FL 32819, United States
Tel: +1 289 801 0559

EMEA and Asia

Compass House, Vision Park, Chivers Way,
Histon, Cambridge, United Kingdom
Tel: +44 (0) 1223 974889



Why Kolverion?

Kolverion specialises in Microsoft Automation and helps organisations simplify IT operations across Azure Automation, Runbook Studio, Power Automate, Logic Apps, PowerShell and System Center Orchestrator. Kolverion solutions are designed to wrap existing operational systems and service desks, enabling customers to automate cross-functional IT processes without replacing the tools they already use.

- Experts in Microsoft Automation with deep Azure Automation and Runbook Studio experience
- Ready-built automation solution packs that reduce time to value
- Smart integrations with enterprise management, service desk and data platforms
- Low-code and no-code design approaches that broaden automation ownership across IT teams
- Consultancy and implementation support to help customers deploy, configure and extend automation successfully

Ready to Simplify Patching with Azure Automation?

Speak to Kolverion about the Automated Patching Solution for Azure Automation and Runbook Studio. Arrange a demonstration, discuss the Jump Start service and see how quickly your organisation can move from manual patch coordination to controlled, self-service patch automation.



For more information contact our helpful team today

✉ info@kolverion.com

☎ +1 289 801 0559
+44 (0) 1223 974889

🌐 kolverion.com



North and South America

5401 South Kirkman Road, Suite 700
Orlando, FL 32819, United States
Tel: +1 289 801 0559

EMEA and Asia

Compass House, Vision Park, Chivers Way,
Histon, Cambridge, United Kingdom
Tel: +44 (0) 1223 974889