

# Activator Router Provisioning and Management



- Reduced cost of sending installation engineers to site
- Easy router installations
- Automated deployment
- No end-user action required
- Real-time diagnostics
- Full scheduler for bulk updates
- Simple integration with your existing systems

## Overview

Activator is a telco-grade, automated provisioning and monitoring system designed to simplify the logistic issues associated with deploying and managing thousands of routers.

Activator can be a cloud-based or a privately installed server.

Monitor is a secure portal built in to Activator that provides your support team with access to router availability, real-time diagnostics, and dashboard reporting. Routers that are created as devices on Activator are automatically created on Monitor. Together, Activator and Monitor provide a highly scalable management solution that grows with your service.

## Features

Activator offers a comprehensive solution for managing a large estate of routers covering the following elements:

- Import facility: easy to import router configuration files
- Router template design
- Bulk import facility: ability to import large numbers of router configuration files using CSV/XML or API web services.
- User groups
- Browser-based access
- Advanced scheduler

## Deployment - How it Works

It is simple to get customer information into Activator for deployment of thousands of routers by importing files using CSV or XML format or through a web services API. These files are populated with site specific information from the customer database. The process is quick and easy and can be incorporated into any backend system.

When all the devices have been created, routers are ready to be shipped to your end-customer site.

When installed and powered up, the routers call home to Activator. They present their serial number and download their configuration file and then reboot. Once they have rebooted, the router is live on Activator's monitoring system.

## Bulk Software & Configuration Updates

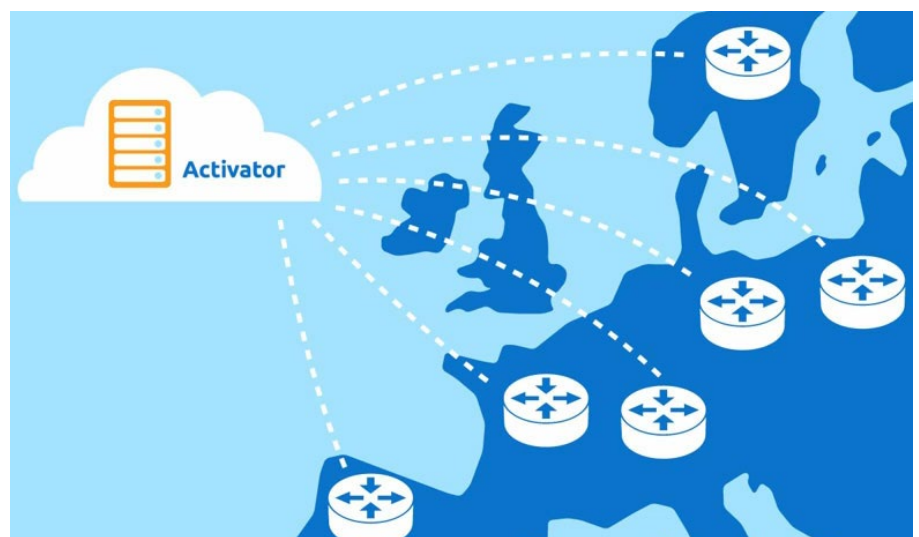
Managing networks of devices has traditionally been a complex and time consuming activity. Activator's Active Updates feature allows you to update configurations to a device or many devices on a network at a touch of a button. You can update all remote routers simultaneously. Active Updates supports software updates and bulk operations such as changing network-wide settings to selected groups of routers or the entire network.

## Job Queue Work Flows

Activator's job queue workflow means you can schedule updates to occur immediately or at a specified time of day during a week. You can also monitor live updates status, configure re-try behaviour and access on-demand reporting.

## Simple Integration with Your Existing Systems

You can integrate Activator with your existing Operational Support System (OSS). OSS integrator can be used to create device by importing files in CSV or XML format or a web services API. The imported file can create a single device or many thousands of devices providing an easy solution for the building of router configuration files.



# Activator Hardware & Software Requirements

Activator Hardware Requirements												
	Minimal Evaluation System Requirements	Recommended Requirements										
Processor	2GHz	3GHz or faster										
Memory	6GB	Minimum 6GB (this allows for 2K devices) up to 10,000 devices: 14GB RAM up to 20,000 devices: 24GB RAM up to 30,000 devices: 34GB RAM										
Storage	200GB (no RAID) 7600RPM or better	<table border="1"> <tr> <td colspan="2">All disks minimum 6Gb/s</td> </tr> <tr> <td>Operating system disk</td> <td>1 x 50GB</td> </tr> <tr> <td>Application disk</td> <td>1 x 50GB</td> </tr> <tr> <td>Database log disk</td> <td>2 x 200GB RAID 1</td> </tr> <tr> <td>Database data disk</td> <td>4 x 250GB RAID 5</td> </tr> </table>	All disks minimum 6Gb/s		Operating system disk	1 x 50GB	Application disk	1 x 50GB	Database log disk	2 x 200GB RAID 1	Database data disk	4 x 250GB RAID 5
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Integrated Network Card 1	Standard 10/100/1000 Mbps Base T or equivalent	Standard 10/100/1000 Mbps Base T or equivalent										
Integrated Network Card 2	Not required	Standard 10/100/1000 Mbps Base T or equivalent										
Power Supply	No special requirements	2 power supplies (for redundancy)										

Activator Software Requirements			
Component	Description	Software Version	License Requirements
Operating System	Windows Server 2012 64bit* (English version only)	Windows Server 2012 64bit* (English version only)	1 server license for Windows Server
Database Software	Microsoft® SQL Server Standard or Enterprise Edition (English version only)	SQL 2012	1 processor license
Application Support Software	.NET Framework 4	4.5	None
*Windows Server Web Edition cannot be used			