OS management & patching

Plan, validate, schedule, and review supported network software upgrades, downgrades, and patching operations.

The business requirement

Urgent vulnerabilities, aging software, and modernization create a continuing change backlog. Manually selecting images, moving files, and coordinating devices makes each update another project. Gluware connects inventory, image management, deployment plans, and operational checks into a repeatable software lifecycle.



HOW THE CAPABILITY WORKS

Choose targets and approved images

Device Manager supplies discovered fleet and software context. OS Manager's optional OS Catalog associates approved images with device SKUs; select the required image and supported target set for an OS Plan.

Prepare and distribute the files

Gluware File Server stores images and related artifacts. Distribute File Server instances across the enterprise and associate the appropriate service with target devices to improve image-delivery performance.

Execute the appropriate upgrade path

Use platform-specific upgrade paths including In-Service Software Upgrade (ISSU), multi-step upgrades, and controller-based deployment. Availability and sequence depend on the target platform, image, and installed package. Validate readiness, then transfer or deploy immediately or on a schedule.

Verify and recover

Review failed targets and execution logs, then use the supported rollback or downgrade path to return to the prior image when available. Rollback behavior and prerequisites depend on the device and upgrade type; a new OS Plan can retry failed targets. Network RPA can coordinate separate Config Model Editor assessment tasks around the plan.

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Connect the operating process to defined component responsibilities.

COMPONENTS DELIVERING THE CAPABILITY

OS Manager	Owns OS Catalog use, image selection, OS Plans, validation, and deployment.
File Server	Provides distributed image and related-file delivery.
Device Manager	Supplies inventory, software context, management state, and advisories.
Config Model Editor	Runs separate CLI/API state assessments through supported paths.
Network RPA	Coordinates checks, plans, approvals, and external records.

OPERATING SCOPE

OS Manager: upgrade paths

Use platform-specific upgrade paths including In-Service Software Upgrade (ISSU), multi-step upgrades, and controller-based deployment. Availability and sequence depend on the target platform, image, and installed package.

OS Manager: platform-specific recovery

Review failed targets and execution logs, then use the supported rollback or downgrade path to return to the prior image when available. Rollback behavior and prerequisites depend on the device and upgrade type; a new OS Plan can retry failed targets.

Config Model Editor: state assessments

Run CLI/API state assessments on demand, as pre/post checks while provisioning, or through a Network RPA task.

Business value and measurement

Measure completed changes, failed targets, software coverage, and time to verified patching. The business gains a repeatable path to reducing exposure and keeping infrastructure supportable, with the operational result recorded.

Technical documentation | Request a demo

Full vendor and OS coverage