Device & OS lifecycle management

Connect discovered inventory, device advisories, image selection, deployment plans, and operational checks.

The business requirement

Acquisitions, new sites, aging devices, and urgent patches create a continuing stream of lifecycle work. A team should not have to build a new operating process for each vendor or each upgrade. Gluware supplies the fleet and software constructs teams can apply to their environment.



HOW THE CAPABILITY WORKS

Establish fleet context

Gluware uses API integration with NIST/NVD for multi-vendor CVE information and Cisco Support API integration for Cisco PSIRT advisories, including their CVEs. Cisco CVE information comes from Cisco, not NIST/NVD. Cisco Support API also supplies EoL/EoS and SmartNet status.

Prepare approved software

OS Manager's optional OS Catalog associates approved images with SKUs. Gluware File Server stores the required images and related files. Distribute File Server instances across the enterprise to bring image delivery closer to devices and improve transfer performance.

Validate and deploy a plan

OS Manager creates plans for supported discovered, managed devices. Teams validate and schedule image transfer or deployment, then review execution status and logs. Supported upgrade and downgrade operations depend on the target platform.

Assess and coordinate

Config Model Editor CLI/API state assessments run on demand, as pre/post provisioning checks, or through a Network RPA task. RPA can coordinate assessment tasks with OS Plans and external records. Recovery paths remain specific to the supported operation.

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Connect the operating process to defined component responsibilities.

COMPONENTS DELIVERING THE CAPABILITY

Device Manager	Owns fleet discovery, inventory, advisories, and supported backup/restore.
OS Manager	Owns software catalogs and image transfer/deployment plans.
File Server	Provides distributed image/file services.
Config Model Editor	Supplies CLI/API state assessments, invoked around OS operations through RPA.
Network RPA	Coordinates lifecycle tasks and connected service processes.
Data Explorer	Formats stored device-related information into reusable reports.

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.

File Server: image delivery

Deploy Gluware File Server instances across the enterprise network and associate devices with the appropriate service to improve transfer performance.

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

Repeatable lifecycle work helps the business shorten patching delays and deliver necessary software changes with operational control. Track completed changes, failed targets, and the time to verified outcomes alongside fleet coverage.

Technical documentation | Request a demo