COMPONENT OVERVIEW

OS Manager

Use OS catalogs and deployment plans to select approved images, validate readiness, schedule upgrades or downgrades, and review execution results on supported devices.



The upgrade process needs to be ready before the next urgent patch.

Delaying a software update can leave the enterprise exposed. Rushing one without a repeatable process can interrupt services. OS Manager gives teams built-in lifecycle constructs for firmware and operating-system management, so every patching priority does not become a new scripting project.

CORE FUNCTIONALITY

Select approved images

Use the optional OS Catalog to associate approved images with device SKUs. Build OS Plans for discovered, managed devices.

Validate and execute 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.

Distribute the image service

Deploy Gluware File Server instances across the enterprise network to place image delivery closer to target devices and improve transfer performance.

Review results 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.

> **Business contribution**
>
> Repeatable software management supports faster security response while protecting continuity. Teams can measure progress through policy coverage, completed upgrades, and time to verified remediation instead of counting scripts written.

OS Manager

Functions, dependencies, and operating boundaries.

RELATED FUNCTIONS AND OPERATING SCOPE

Vendor and OS coverage

Examples include Cisco IOS/IOS XE, IOS XR, NX-OS, ASA, SD-WAN and wireless controllers; Arista EOS; Juniper Junos; HPE ArubaOS-CX; Extreme EXOS; and Palo Alto PAN-OS. Check Point Gaia has transfer-only support. Upgrade and recovery paths vary.

File Server: distributed 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.

Network RPA: process coordination

Connect targets, tasks, variables, conditions, scheduling, triggers, and notifications across Gluware applications and external systems. Each task uses its supported application or execution mechanism.

> **Working with the wider platform**
>
> OS Manager owns software image selection and deployment plans; distributed File Server instances provide image delivery. Device Manager supplies inventory and management state. Config Model Editor owns separate CLI/API state assessments. Network RPA can invoke assessment tasks around OS operations and coordinate approvals, records, and operation-specific recovery paths.

Supports: Device & OS lifecycle management; Network exposure management; NIST & Cisco CVE/PSIRT integrations; OS management & patching.