Config Model Editor

Model multi-vendor CLI and API intended configuration state with declarative enforcement.



Configuration intent needs a lifecycle, not a collection of one-off changes.

A successful command does not by itself establish that the network meets the intended policy. Teams need to define required state, understand the current configuration, control policy revisions, and apply the changes needed to reach the approved state. Config Model Editor provides those configuration intent management constructs within the Gluware platform.

CORE FUNCTIONALITY

Model reusable CLI/API configuration intent

Define reusable CLI/API modeling constructs, Features, and Assemblies to represent the intended configuration behavior across vendors. Associate modeled Features with target nodes.

Preview and enforce intended state

Validate the model, preview proposed differences, and provision the modeled configuration through declarative execution. Connected Preview reads the current device state without writing changes; provisioning is a separate operation.

Run CLI/API state assessments

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

Synchronize and restore constructs

Enable the Git integration to synchronize Config Model Editor constructs into a repository for backup and restore. Audit policy ownership remains with Config Drift & Audit.

> **Business contribution**
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> Configuration intent management turns enterprise standards into reusable automation. It gives teams a way to extend approved policy across the fleet while investing their expertise in required behavior, exceptions, and verified results.

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RELATED FUNCTIONS AND OPERATING SCOPE

Vendor and OS coverage

Modeling packages cover Cisco CLI platforms and ACI/Meraki APIs, Juniper Junos, Arista EOS, HPE Aruba, F5 TMOS, Fortinet FortiOS, Check Point Gaia, and Palo Alto PAN-OS. Device family, feature, and interface coverage depend on the installed modeling package.

Git integration and Version Control

Git integration is the capability; Version Control is the Gluware component that provides it for supported automation artifacts.

Config Drift & Audit: captured state and policy checks

Capture configuration and operational command results, compare snapshots to identify drift, and evaluate audit policies for required or forbidden conditions. Installed modeling Concept Items can scope the audit inputs.

Working with the wider platform

Device Manager provides discovered devices; Config Model Editor owns multi-vendor CLI/API configuration intent models, previews, declarative provisioning, and CLI/API state assessments. Config Drift & Audit owns snapshot comparisons and audit policies. Network RPA coordinates the distinct operations; Git integration synchronizes Config Model Editor constructs for backup and restore.

Supports: Network discovery & onboarding; Device & OS lifecycle management; Configuration intent & drift management; Continuous compliance & reporting; Network exposure management; Cross-system orchestration; AI-assisted automation building; Network state assessments; NIST & Cisco CVE/PSIRT integrations; Configuration audit; Git integration; OS management & patching; Backup & restore.

Technical documentation | Request a demo
Full vendor and OS coverage