Configuration intent & drift management

Define reusable configuration intent, detect departures, apply modeled changes, and reassess the result.

The business requirement

A network can drift away from the company's standards as teams make changes, software is updated, and incidents are resolved. Detecting the departure and restoring approved behavior are different functions. Gluware brings both into a repeatable operating process.



HOW THE CAPABILITY WORKS

Define the required behavior

Config Model Editor manages reusable multi-vendor CLI/API configuration-model constructs and node associations. Teams define the Features and Assemblies that represent approved intent.

Detect departures

Config Drift & Audit captures configuration and operational results, compares snapshots, and evaluates audit policies. Run drift or audit checks on demand, scheduled with email notification, from syslog events, or through Network RPA. Integrated logs and reports expose the results.

Preview and apply modeled correction

Config Model Editor's Connected Preview analyzes the live configuration and renders proposed differences without writing them. Provisioning is the separate operation that applies the modeled Features. Backup restoration in Device Manager is a distinct recovery path.

Coordinate and reassess

Config Model Editor CLI/API state assessments run on demand, during provisioning pre/post checks, or through Network RPA tasks. RPA coordinates corrective work and reassessment. Git integration synchronizes Config Model Editor constructs and audit policies for backup/restore; restoring an artifact is distinct from changing a device.

Configuration intent & drift management

Connect the operating process to defined component responsibilities.

COMPONENTS DELIVERING THE CAPABILITY

Config Model Editor	Defines, previews, and provisions modeled CLI/API configuration intent.
Config Drift & Audit	Captures snapshots, detects drift, and evaluates audit policies.
Network RPA	Coordinates detection, corrective tasks, and reassessment.
Version Control	Versions supported modeling constructs and audit policies.
Device Manager	Supplies fleet context and a separate supported backup/restore path.
DIAL	Provides the maintained device-interaction foundation.

OPERATING SCOPE

Config Model Editor: preview and provisioning

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.

Config Drift & Audit: captured state

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.

Version Control: supported artifacts

Back up and restore Config Drift & Audit policies, Config Model Editor construct instances, and Network RPA process versions.

Business value and measurement

Maintain approved multi-vendor CLI/API intent and address departures before they become security or continuity problems. Measure recurring drift, time to correction, and policy coverage. Enable Git integration to preserve and restore supported modeling and audit-policy artifacts.

Technical documentation | Request a demo