Network state assessments

Define CLI/API state checks for on-demand assessment, provisioning pre/post checks, and Network RPA tasks.

The business requirement

A configuration can look correct while an interface, protocol, or other operating condition is wrong. Engineers need repeatable checks that establish what is happening on the device before and after work, or during troubleshooting. Gluware makes those checks reusable within the change process.



HOW THE CAPABILITY WORKS

Define the assessment

Config Model Editor owns CLI/API state assessment definitions. Select the supported device operation and the conditions to inspect, such as interface or protocol state, and define the expected result.

Evaluate the captured output

Use assessment policy expressions and optional assessment queries to select and evaluate the required information. The assessment establishes only the conditions covered by those checks.

Run in the right context

Run assessments on demand, during provisioning as pre/post checks, or through a Network RPA task. RPA can coordinate an assessment with an OS Plan, service step, or other supported operation.

Review and act on the result

Review assessment output and logs, compare the result with the defined requirement, and route failures through the designed process. Config Model Editor provisioning or OS Manager performs a selected corrective operation.

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Connect the operating process to defined component responsibilities.

COMPONENTS DELIVERING THE CAPABILITY

Config Model Editor	Owns CLI/API state assessment definitions, evaluation, and provisioning checks.
Network RPA	Invokes and coordinates assessment tasks with other operations.
Device Manager	Supplies device context and the target fleet.
DIAL	Provides supported device interaction for the assessment.

OPERATING SCOPE

Config Model Editor: state checks

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

Config Drift & Audit: captured-state audits

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.

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.

Business value and measurement

Measure assessed coverage, failed conditions, and verification time. Reusable assessments help teams detect change-related problems and make troubleshooting more consistent; the checks must match the service or operating condition the business needs protected.

Technical documentation | Request a demo

State assessment and intended-state background