Network discovery & onboarding

Discover the fleet, establish device context, and turn existing configurations into models your team can manage.

The business requirement

Brownfield networks accumulate vendors, operating systems, and years of configuration decisions. Starting automation with manually assembled inventory and newly written device integrations delays the first useful outcome. Gluware provides discovery and model-onboarding capabilities on a maintained device-interaction foundation.



HOW THE CAPABILITY WORKS

Find and organize the fleet

Device Manager builds and runs seeded-device discovery plans using ARP and CDP/LLDP, or subnet crawls. Site Explorer creates sites and assigns devices; Device Explorer supports device import/export, API additions, discovery, bulk editing, configuration search, snapshots, backup/restore, reboot, and detailed logging.

Discover configuration models

Config Model Editor's Intelligent Model Discovery creates modeling instances from the existing configuration. Required Feature Binders and vendor Config Modeling Kits supply the modeling context; the activity can be launched from Config Model Editor.

Choose the policy to manage

Teams review discovered models, select the Features to manage, and develop the approved configuration intent. Discovering existing state supplies a starting point; the business determines which state should be maintained.

Connect the operating process

Network RPA can coordinate discovery and onboarding tasks. Native NetBox or ServiceNow CMDB integration can synchronize mapped inventory properties according to the configured ownership rules.

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Connect the operating process to defined component responsibilities.

COMPONENTS DELIVERING THE CAPABILITY

Device Manager	Discovers and maintains the fleet inventory.
Config Model Editor	Uses Intelligent Model Discovery and manages configuration-model instances.
DIAL	Supplies supported multi-vendor interaction and translation.
Network RPA	Coordinates discovery and onboarding tasks.
NetBox Integration	Synchronizes configured device and site properties.
ServiceNow Integration	Synchronizes configured device inventory with ServiceNow CMDB.

OPERATING SCOPE

Solutions Manager: modeling prerequisites

Install the appropriate Core Solutions and Config Modeling Kit packages for the required use case and target devices.

DIAL: supported device interaction

The Device Interaction and Automation Layer handles multi-vendor device interaction, semantic translation, normalization, and deterministic validation through CLI and API interfaces.

NetBox: mapped inventory

Define which system supplies each mapped property. Bring NetBox-managed data into Gluware or update NetBox with Gluware-discovered information according to the configured rules.

> **Business value and measurement**
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> Faster onboarding creates a usable foundation for standardization, upgrades, controls, and acquisition integration. Measure the coverage brought under management and the operational work it enables, rather than treating discovered device count alone as the business outcome.

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