Network discovery

Build repeatable discovery plans for multi-vendor networks using seeded neighbor discovery or subnet scanning.

The business requirement

Network records rarely stay complete as devices, sites, and software change. Automation needs a reliable way to find infrastructure before applying inventory, policy, patching, or recovery operations. Gluware makes network discovery a managed activity rather than a collection of discovery scripts.



HOW THE CAPABILITY WORKS

Choose the discovery approach

Use a seed device and ARP, CDP, or LLDP neighbor information to traverse connected devices, or scan defined subnets when neighbor visibility is limited. Select the approach that matches network reachability and the intended scope.

Build and run a plan

Configure credentials, connection methods, targets, depth or address ranges, and the appropriate processing zone. Save discovery plans, run or schedule them, and review results and logs.

Establish device context

Device Manager interrogates discovered devices for hardware, software, and configuration information. Site Explorer organizes devices into sites for targeting work across the fleet.

Use the discovered fleet

Make inventory available to lifecycle operations and audit processes. Network RPA can invoke discovery tasks; GluAPI provides documented programmatic access. NetBox or ServiceNow CMDB synchronization connects mapped inventory records.

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Connect the operating process to defined component responsibilities.

COMPONENTS DELIVERING THE CAPABILITY

Device Manager	Owns Network Discovery plans, discovered inventory, and sites.
DIAL	Provides supported multi-vendor device interaction.
Gluware Control	Supplies credentials, access, scheduling, and processing services.
Network RPA	Invokes discovery tasks within operational processes.
GluAPI	Provides programmatic access to documented discovery operations.

OPERATING SCOPE

Device Manager: discovery plans

Build and run discovery plans using seeded-device discovery with ARP and CDP/LLDP, or subnet crawling. Discover hardware, software, and configuration information for the fleet.

Device Manager: fleet operations

Add devices manually, import/export devices, or add them through the API. Run device discovery and use multi-edit, grouping, search, filtering, and sorting for fleet operations.

DIAL: platform coverage

Device interaction spans Cisco IOS/IOS XE, NX-OS and API-managed environments, Juniper Junos, Arista EOS, HPE Aruba, Palo Alto PAN-OS, Fortinet FortiOS, F5 TMOS, and other vendor platforms. Coverage varies by application and operation.

Business value and measurement

Measure discovered and managed coverage, exceptions that prevent discovery, and the time required to bring a site or acquisition under management. Device discovery establishes the fleet; configuration-model discovery is a separate Config Model Editor activity.

Technical documentation | Request a demo

Discovery capability background