# gluware®
## Intelligent Network Automation

# Device Manager

## Gluware® Intelligent Network Automation

Gluware Intent-Based Applications transform your enterprise, letting you simply and seamlessly automate and orchestrate multi-vendor, multi- platform networks at scale, taking the guesswork out of maintaining today's mission-critical networks.

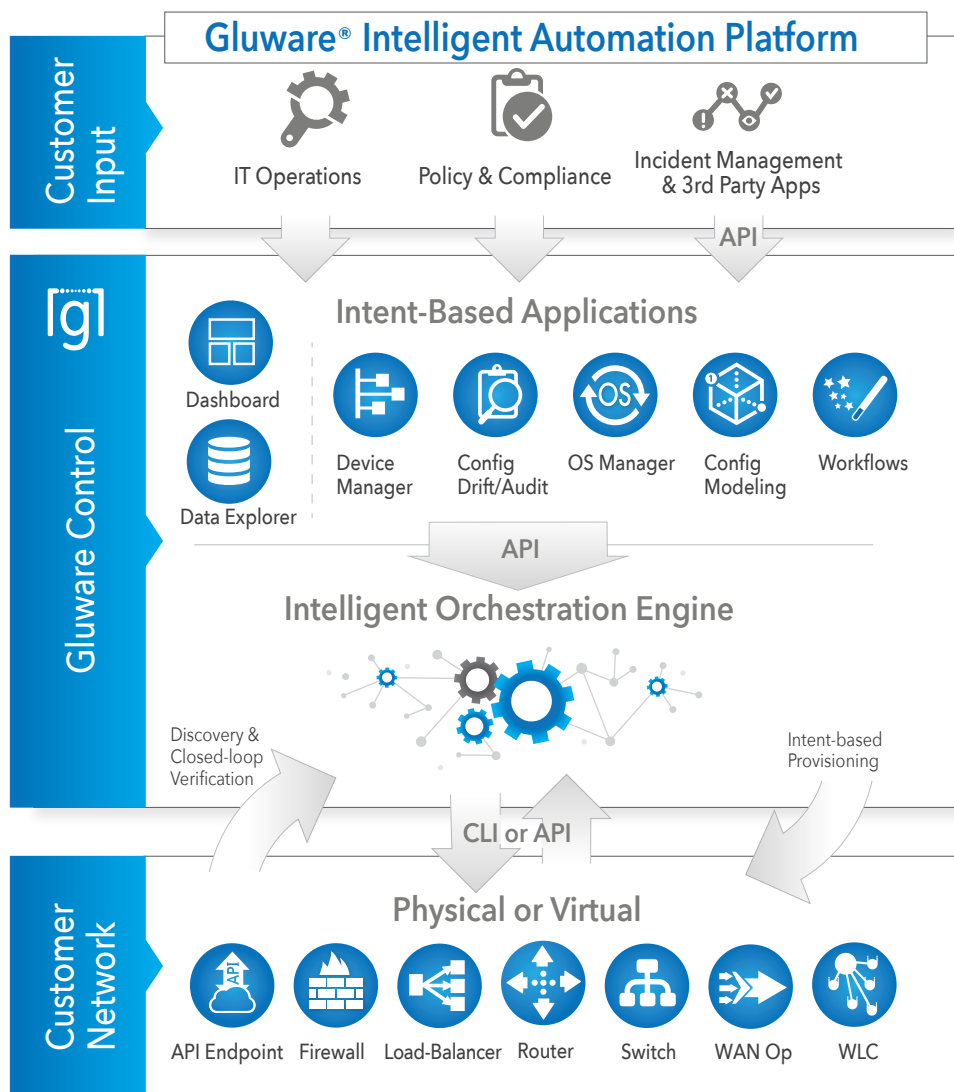## Auto-discover your network devices and details—at scale

**Gluware® Device Manager** helps large organizations quickly execute auto-discovery across their entire network, no matter how large or complex. The application intelligently interrogates networks to build a device inventory database that includes hi-res details critical to automating the network code-free and at scale.

Included is network auto-discovery which accesses Gluware's powerful layer of Intent-based intelligence. It is able to clearly discover any brownfield or greenfield network devices, enhancing overall network accuracy, agility and security.

> " What I found was a pre-packaged automation solution that allows our engineers to use the same CLI they are used to. Gluware allows them to use the same syntax, the same commands, and it will abstract that and build the automation that they need.
>
> **James Radford**
> VP of Operations, Mastercard

**Gluware® Intelligent Automation Platform**

**Customer Input**
- IT Operations
- Policy & Compliance
- Incident Management & 3rd Party Apps

API

**Gluware Control**
- Dashboard
- Data Explorer

**Intent-Based Applications**
- Device Manager
- Config Drift/Audit
- OS Manager
- Config Modeling
- Workflows

API

**Intelligent Orchestration Engine**

Discovery & Closed-loop Verification

Intent-based Provisioning

CLI or API

**Customer Network**

**Physical or Virtual**
- API Endpoint
- Firewall
- Load-Balancer
- Router
- Switch
- WAN Op
- WLC

## Single Source of Truth

To establish the clearest picture possible of their network inventory, Enterprise IT needs to know the current running operating system on each network device, discovering information critical to operate effectively and minimize risk. In just a few minutes, Device Manager queries across 30+ different operating systems, leveraging their respective detect libraries and interrogating each device for current details, all the way down to the CLI. Gluware's underlying orchestration engine powers Device Manager discovery across thousands of devices. It also synchronizes and reconciles with external 3rd party systems through the published REST-based GluAPI.

Once device details have been discovered, Gluware grid search and sort features discover the inventory, enabling planning device swap/replace and operating system change management.

Gluware Device Manager integrates with Cisco® API Console to use the inventory information and make API calls to access EoX bulletins, SmartNet contract details and PSIRT advisories.

## Features

### Network Auto-Discovery

- Uses seeded devices to discover ARP tables, LLDP and CDP neighbors then propagate discovery of devices in your network
- Identifies the devices and types for import into Gluware intelligent automation
- Ability to attempt multiple credentials to access each device

### Device Discovery of Details

- SSH or Telnet support
- Device detect libraries for 30+ OSes used to identify device and performs an intelligent discovery of the details
- Information discovered includes vendor, hostname, SKUs, serial number, operating system version and more
- Customizable grid with searching, filtering and export capability
- Current configuration is backed up
- Full detailed logs provided

### 3rd Party Assessment*

- Leverage 3rd party API calls to check
  - EoX bulletins
  - SmartNet contract details
  - PSIRT advisories

*3rd Party Assessment is supported for Cisco only and requires customer to request API access

Device Manager

API Endpoint    Firewall    Load-Balancer    Router    Switch    WAN Op    WLC
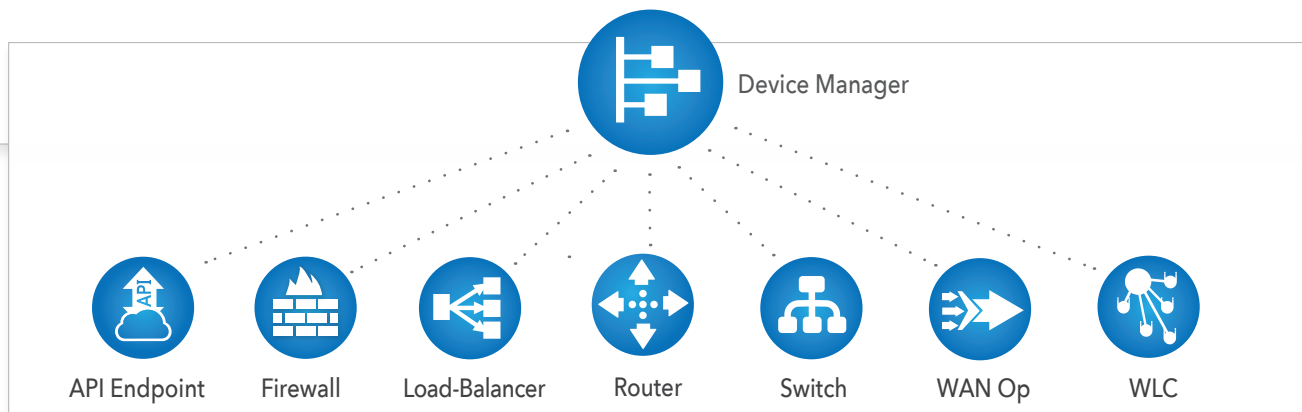
## Smarter
### Centralized Control

- The network auto-discovery intelligently crawls your network using ARP, LLDP and CDP from seeded devices
- The inventory feature leverages the Gluware device detect capability to dynamically identify the vendor and interrogate each device
- The Cisco® Console API integration enables you to understand and act on important information from your vendor

## Faster
### Time to Value

- Gluware leverage the power of the underlying scalable compute resources from the cloud or on-prem systems to execute network discovery and inventory across thousands of devices in minutes
- The Gluware orchestration engine is able to perform tasks in parallel and supports distributed provisioning engines for faster execution no matter the sale of your network
- Search, sort and filter across all your devices to identify exactly what you are looking for in seconds

## Simpler
### No Manual Effort

- Leverage Gluware providing a single platform to discover and inventory your multi-vendor, multi-platform network
- Import a list of your existing devices into Gluware or, use the network auto-discovery to onboard all your devices within minutes
- In a single grid view, understand exactly what is running in your network down to every detail you require including operating system, SKU, serial number and more