

Gluware Lab

An IDE to rapidly develop
network features, workflows
and API integrations

The **Gluware® suite** of applications provides turn-key capabilities to discovery, inventory, drift monitor, audit and provide configuration management. Sometimes, features or integrations required by customers are not available as productized components. Gluware employees and partners have been using Gluware Lab for over seven years to rapidly extend capabilities, build network features and workflows and integrate API calls. Gluware Lab is now available for select customers to develop and extend Gluware yourselves. Gluware Lab is an integrated development environment (IDE), built on the well-known Eclipse framework providing a rich-client platform desktop software. It is a modular design that leverages many plugins.



Gluware plug-ins

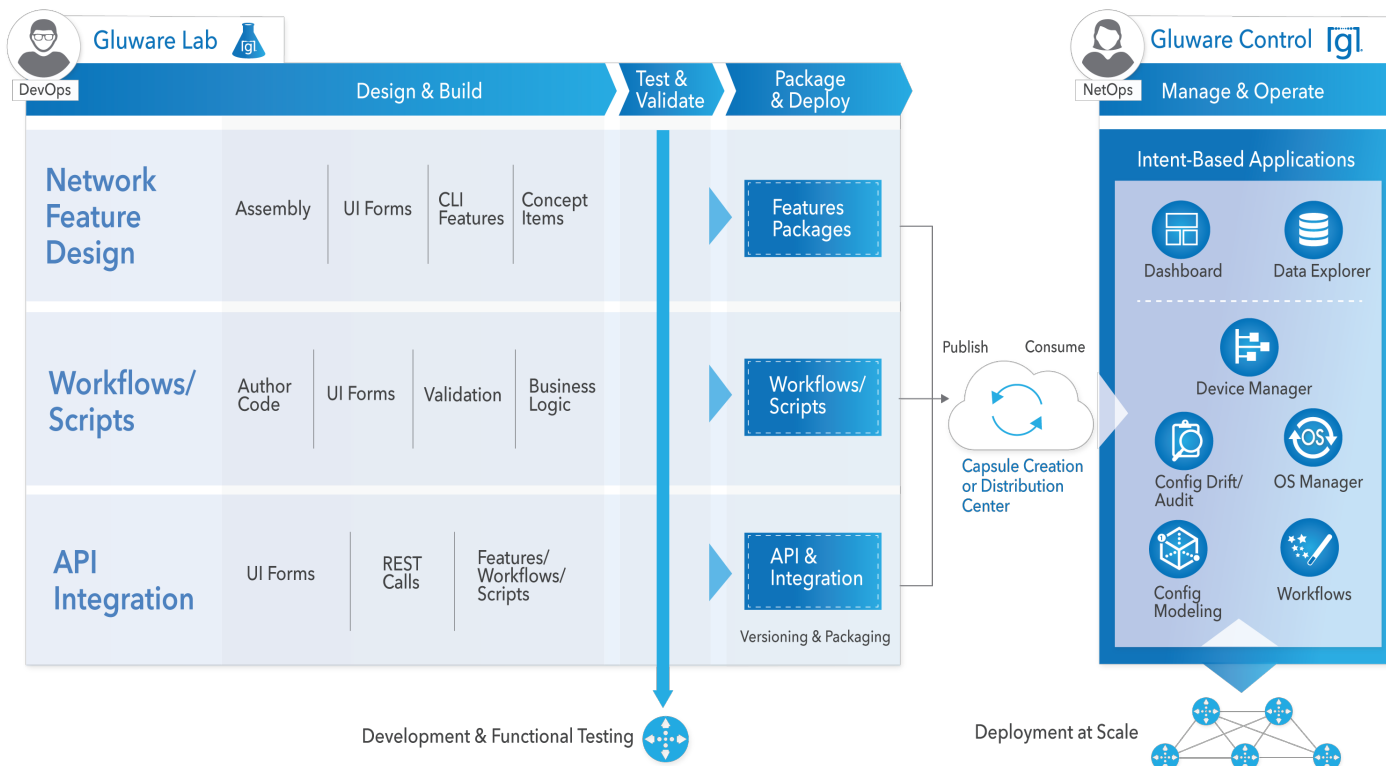


Open-source plug-ins



Eclipse plug-ins

It provides an all-in-one Gluware application stack with the full provisioning engine for end-to-end development, testing and deployment to Gluware Control. It also has extensive debugging capabilities for working through any issues.



Gluware is the recipient of the prestigious TechTarget **Network Innovation Award** for its innovative approach to intelligent multi-vendor, multi-domain, and multi-cloud network automation.



NetOps and DevOps

Network Engineers/NetOps or developer/ DevOps use Gluware Lab to develop and test modules that are then packaged and published for consumption in one or more Gluware Control instances. The distribution capabilities include:

- A public and/or private Distribution Center and Distribution Areas
- Built-in versioning
- Dependency management
- Offline package distribution supported through the use of Capsules
- Action replay with Provisioning Bundles to bring issues back to Lab from production instances

JSON and JavaScript Access

Gluware Lab provides access to the underlying technology of Gluware enabled through JSON based data modeling and JavaScript based business logic components. While Gluware Lab uses standard JSON notation, it has multiple annotations for UI forms, data validation, classes and more. Using the Gluware data modeling enables:

- Ability to build and customize UI forms
- Data validation and constraints
- Device definitions
- Network feature definitions
- Use of Network Development Kit (NDK) classes
- Use of REST Development Kit (RDK) classes

Key Benefits

Key Benefits of Gluware Lab Integrated Data Modeling

1

No scripting or development expertise is required

2

No need for Back-End (Database languages for SQL or MongoDB) expertise

3

No need for Front-End (UI) building expertise

The Gluware Lab programming capabilities enabled through JavaScript are also lightweight and powerful. JavaScript pairs well with the JSON based data modeling and it is supported by chromium-based browsers.

