Streamline Test Development and Execution with Automation

Solution Overview

The increasing complexity of networks, coupled with shorter release cycles, places enormous pressure on quality assurance. Manual testing is error-prone and time-consuming, leading to missed defects and delayed product launches. CNTL Automate is part of APNT's CNTL (Composable Network Test Labs) solution suite that also include CNTL Connect and CNTL Manage. CNTL Automate transforms your testing approach with robust automation tools. It empowers you to develop comprehensive test suites, execute them consistently, and rapidly analyze results – ensuring the quality and reliability of your network products.

Accelerate Testing with **Context-Aware Development**

CNTL Automate empowers you to streamline network test automation. Its core component, Spirent Velocity iTest, provides a powerful IDE (Interactive Development Environment) that seamlessly integrates with Spirent Velocity LaaS. This enables a context-aware development environment for network testing. You can create test cases that directly leverage the devices, topologies, and configurations provisioned within Velocity LaaS. This dynamic integration eliminates the gap between test development and execution, enhancing testing speed, accuracy, and collaboration.

"We went from having no automation to 65% of test cases being automated in the first year enabling us to reduce our time between releases by 1000%"
- Network Equipment Manufacture

Python IDE for Non Developers
Intuitive IDE enables easy and rapid creation of test automation in Python.

Context-Aware Capture-Replay
Capture and replay manual test steps with context awareness of dynamic test environment parameters.
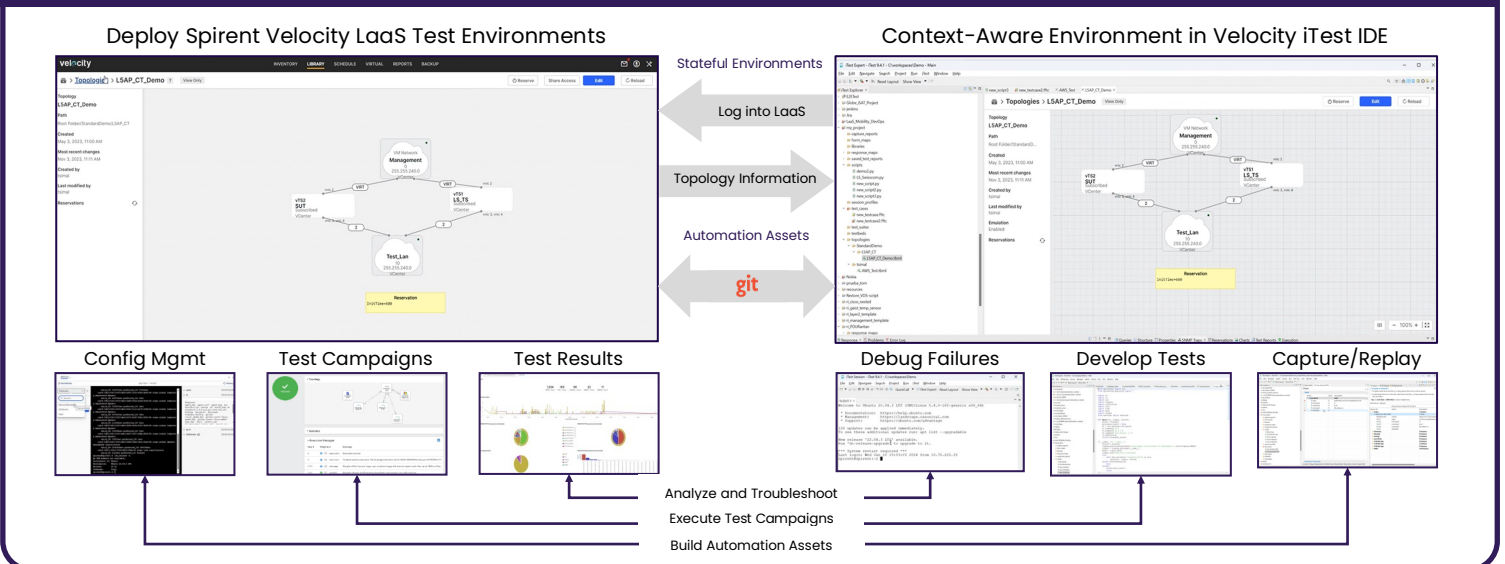
Robust Execution and Analysis
Execute test campaigns, customize reports with in-depth failure analysis.

APNT CNTL Solutions Powered by Velocity

CNTL Automate Solution

Integrated Solution Features by Spirent Velocity iTest and Velocity LaaS

Deploy Spirent Velocity LaaS Test Environments

Context-Aware Environment in Velocity iTest IDE

Stateful Environments

Log into LaaS

Topology Information

Automation Assets

git

Config Mgmt | Test Campaigns | Test Results

Debug Failures | Develop Tests | Capture/Replay

Analyze and Troubleshoot
Execute Test Campaigns
Build Automation Assets

All Systems Are Go

Streamline Test Development with a Context-Aware IDE

Discover the power of Spirent Velocity iTest, the heart of CNTL Automate. This intuitive IDE streamlines network test automation with Python-based scripting, real-time lab interaction, and seamless capture/replay composed in the context of the test environment.

Live Interaction Development
Real-time development and troubleshooting of tests with context awareness of test devices, applications, or systems.

Non-Programmers Get A Jumpstart On Python Automation
Rapidly create, reuse and publish Python and Robot framework automation content from a unified development environment.
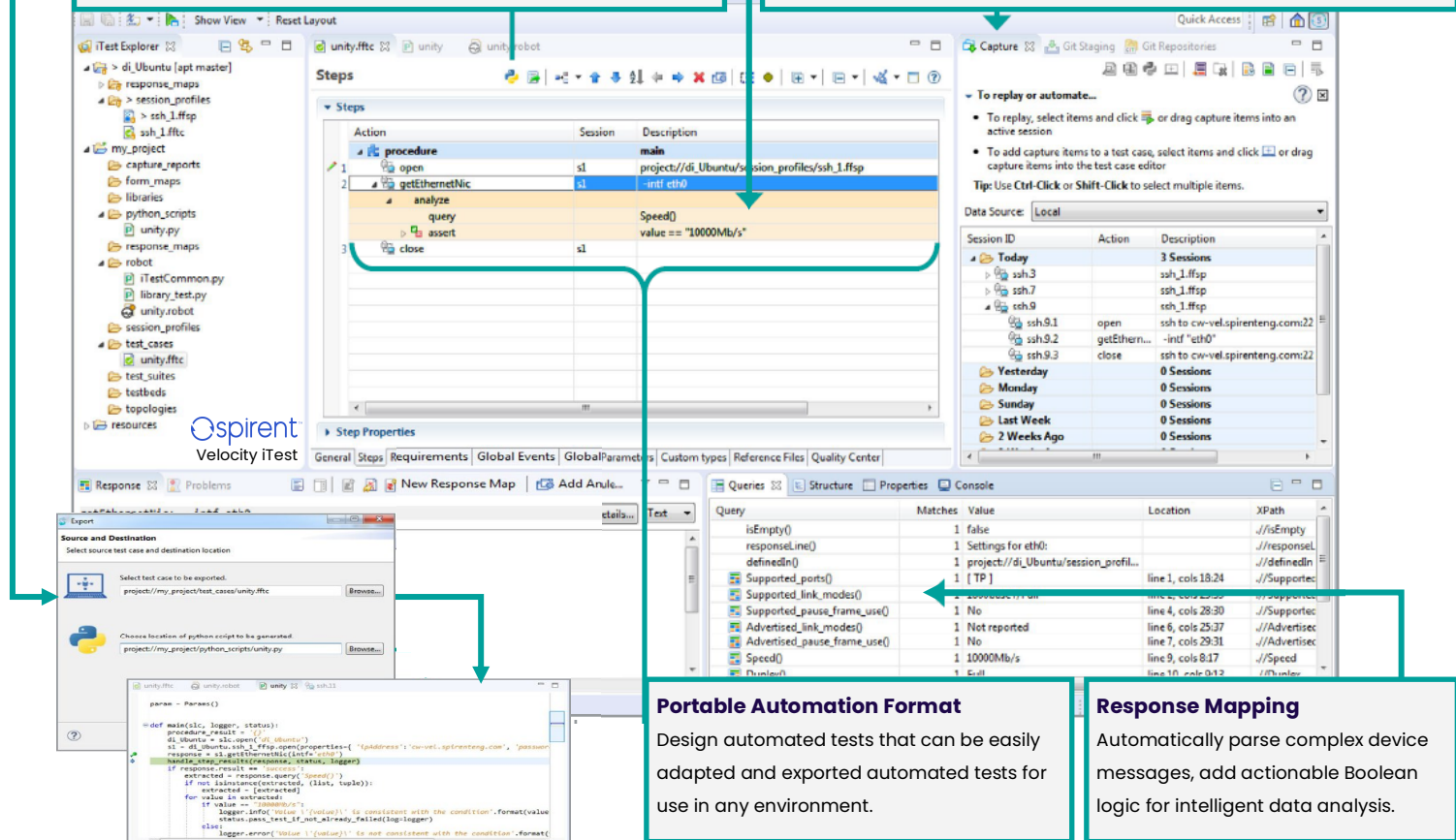
Context-Aware Capture and Replay
Quickly develop automation scripts by capturing every action into a configurable sequence of manual testing. Replay and reconfigure with ease.

Portable Automation Format
Design automated tests that can be easily adapted and exported automated tests for use in any environment.

Response Mapping
Automatically parse complex device messages, add actionable Boolean logic for intelligent data analysis.

Take Control, Achieve Results with APNT's CNTL Experts

Simplify the path to a modern, optimized network test lab with APNT's expert services designed to support your CNTL solution. We tailor solutions to your unique needs, ensuring rapid deployment for fast time-to-value. Our ongoing management maximizes efficiency and offloads routine lab tasks. Let our expertise unlock the full power of your CNTL investment, freeing your team to focus on imovation.
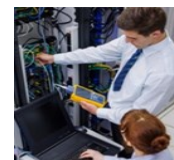
Strategic Guidance
We lead or guide a CNTL strategy for your lab.

Seamless Deployment
We ensure a seamless CNTL deployment.

Ongoing Support
We are your partner committed to CNTL outcomes.

All Systems Are Go