

Connect, Manage and Automate Network Testing Labs

APNT's CNTL Solution

CNTL (Composable Network Test Labs), also referred to as "Control," offers a transformative approach to network testing environments by leveraging composable infrastructure principles. Our solution empowers users to compose on-demand, dynamic testing environments with secure remote access. Through intelligent infrastructure automation, CNTL streamlines traditional testing processes, enabling network professionals to construct, modify, and deconstruct test environments with exceptional speed.

The Essence of Composability

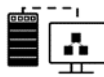
Composability in CNTL is not just a feature—it is the cornerstone that allows for the rapid provisioning of lab infrastructure connectivity, resources and environments. The strength of composability lies in its ability to break down complex network test topologies into manageable, interchangeable components. This modular approach means that test labs can be configured to mimic real-world scenarios accurately, enabling validation, troubleshooting, and optimization without the delays and rigidity of traditional labs.



Automated Connectivity and Orchestration: Simplify the creation of complex network test topologies reducing lab and test setup times from days to minutes.



Resource Sharing and Optimization: Use analytics and real-time monitoring to ensure the efficient utilization of lab resources, avoiding underutilization.



Secure, Remote Accessibility: Enable a global workforce to access and manage lab environments securely from any location, at any time.









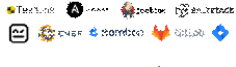
Configurability and Customization: Create on-demand test environments with configurable topologies that can be shared, replicated and instantiated.



Test Automation and Campaigns: Integrated IDE and test executive empower users to visually design, parameterize, and automate tests and test campaigns.

APNT Composable Network Test Lab Available Features






CNTL Automate

 Compose Integrated Test Cases & Workflows	 Compose & Schedule Test Campaigns	 Real-Time Test Interactivity	 Results Collection & Failure Analysis	 Analyze & Drill Down into Test Outputs and Logs	 Version Controlled Configs, Tests & Results	 Integrated CI/CD DEVOps Tool Chains
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CNTL Manage

 Integrated SSO & AAA Role Based Policy Access	 Visually Compose Test Lab Environments	 Configuration Management & Automated Provisioning	 Reserve, Schedule, & Deploy Environments	 Document, Publish & Share Environments	 Automated Power Control	 Monitor Infrastructure Usage & Issues
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CNTL Connect

 Compose Automated LI OEO Switching Fabrics	 Compose Port Aggregation, Replication, Tapping, Impairments	 Compose Automated LI OOO Switching Fabrics	 Compose Automated COTS L2-3 Switching Fabrics	 Compose Cloud, Virtual & Container Hybrid Connectivity
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Network Test Lab Infrastructure

 Test Tools	 Analyzers	 Core Switch	 Blade Server	 Disk Storage	 Routers	 Access/Edge Switch	 App Server	 EMS
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Flexible Solution Options Tailored To Quickly Start, Scale and Simplify

CNTL revolutionizes network test labs with a modular, three-tiered approach designed to meet your evolving lab and testing needs, whether you're a Network Equipment Manufacturer focused on speed of innovation or a Service Provider striving for rapid validation of vendor quality and performance claims. APNT recognizes every lab and test environment is different from budget, technology maturity, and staffing. Our flexible options enable you to start quickly with minimal upfront costs and training. As your lab scales, easily add more capabilities for centralized management, workload and workflow automation, and multifunctional workstreams. Simplify complex testing workflows with powerful automation features, accelerating your time to market.

CNTL Connect

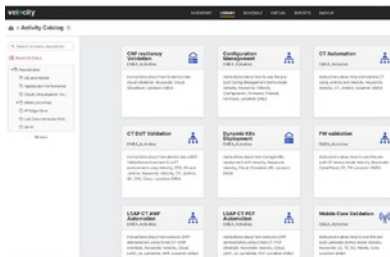


CNTL Connect harnesses the power of composable infrastructure, putting lab operators in control to rapidly establish dynamic connections and eliminate resource bottlenecks.

- Control dynamic connections with a switching architecture
- Design lab infrastructure topologies with ease.
- Discover and import existing lab inventory

Powered by
Velocity TestStream

CNTL Manage



CNTL Manage delivers centralized control and real-time insights, empowering streamlined operations and composable infrastructure for optimal resource use.

- Web-based, self-service user for simplified management
- Rapidly provision complex test environments with visual tools
- Monitor lab resource capacity and utilization in real-time

Powered by
Velocity Core Platform

CNTL Automate



CNTL Automate puts you in control of your testing workflows, unlocking maximum efficiency by automating complex test sequences within a composable lab infrastructure.

- Compose and execute test campaigns with python-base IDE
- Analyze test results and pinpoint failures for rapid troubleshooting
- Integrate with CI/CD pipelines for a controlled DevOps environment

Powered by
Velocity iTest

Deploy And Operate With Confidence

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 innovation.



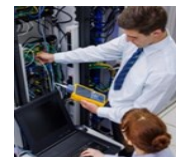
Planning | Design

We lead or guide an CNTL strategy for your lab.



Implement | Integrate

We ensure seamless CNTL deployment.



Support | Manage

We are your partner committed to CNTL outcomes.