Data Sheet

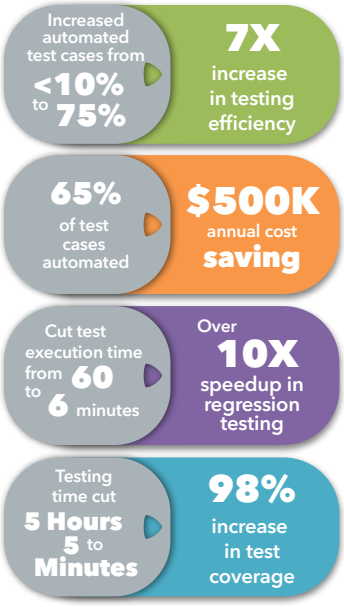
Spirent **iTest**

Python-Based Network Automation and Verification IDE

Highlights

- Python-based platform for automation developers and network engineers
- Abstract the complexity of hybrid networks to create robust Python and Robot automation and verification applications
- Easily convert manual network configurations and testing workflows into secure distributable automation applications, API libraries and keywords
- Integrated system analysis w/ customizable reports for actionable verification
- Portable Automation Format accelerating deployments from lab to production

Testimonials



Overview

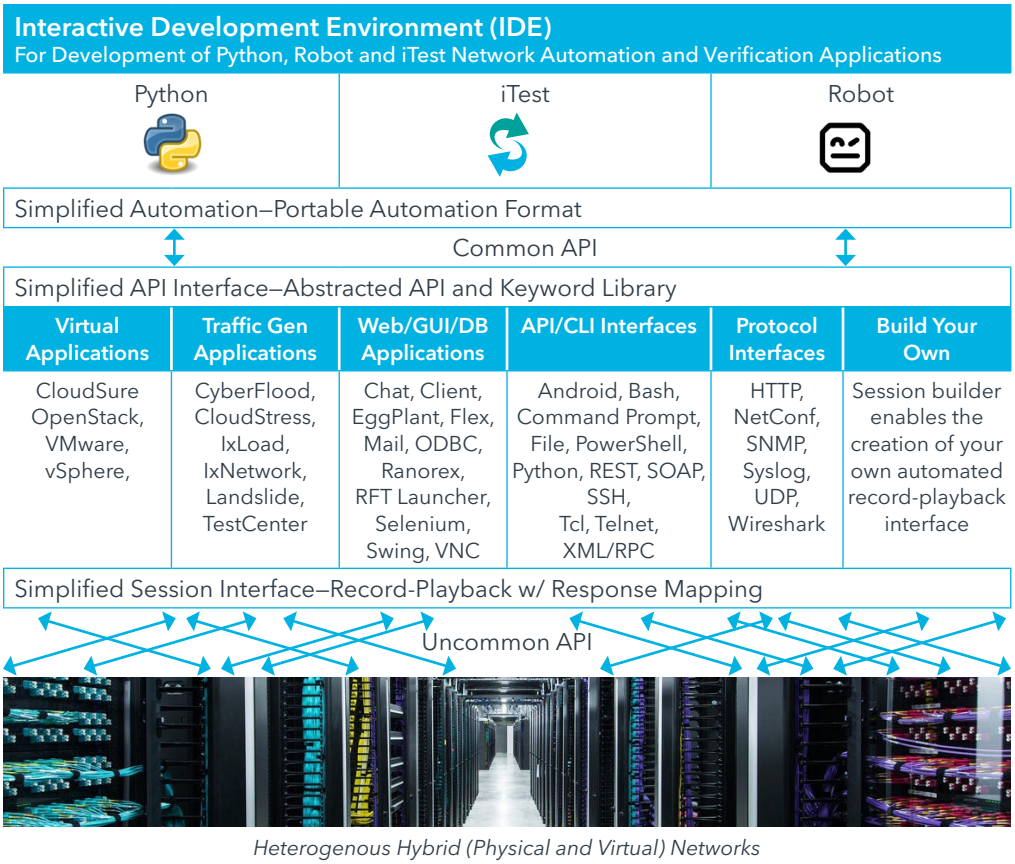
Spirent iTest was created to simplify the complexities presented by heterogeneous networks by allowing development and operations teams to rapidly create portable automation within an agnostic network automation development framework.

Spirent iTest delivers the first ever unified Interactive Development Environment for Python, Robot and iTest users. This release provides the optimal environment for creating modern network automation and verification applications. Our innovative Portable Automation Format (PAF) simplifies automation and adoption by enabling developers to leverage their automated applications for both lab and production use. Spirent iTest highly productive Record-Playback and patented Response Mapping are available within Python and Robot development environments.

Business Benefits

- Single solution for both lab and production environments: automate, verify and seamlessly deploy from lab to production
- Speed up time to market using reusable automation libraries for Python and Robot
- Improve efficiency with built-in DevOps workflows and sharing of environments

iTest IDE is designed to abstract the complexity of networks from the ground up.



Heterogenous Hybrid (Physical and Virtual) Networks

Spirent **iTest**

Python-Based Network Automation and Verification IDE

Spirent **iTest IDE**

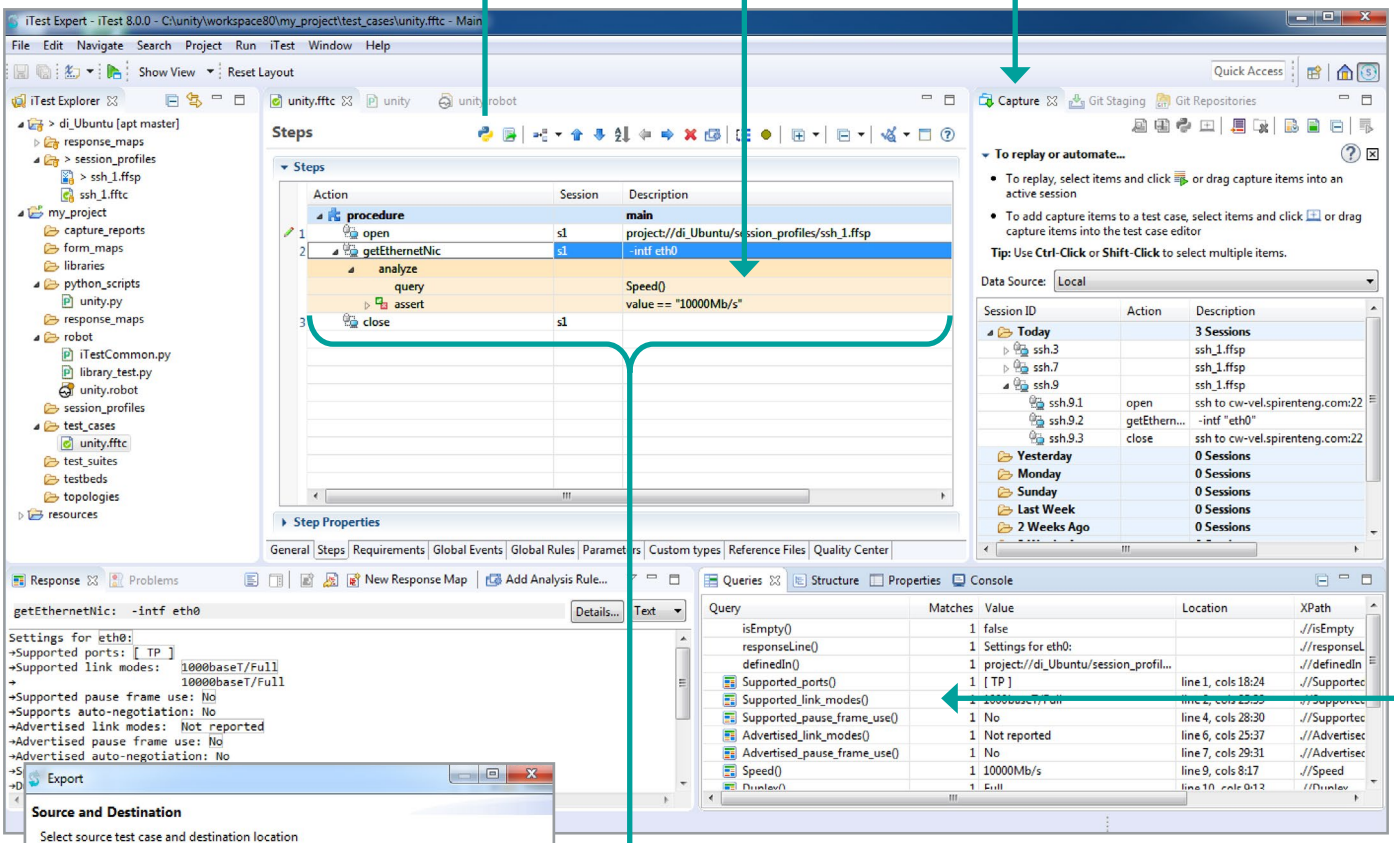
Python-based Interactive Development Environment (IDE) for automation developers and network engineers.

Key IDE Features

Live Interaction: Real-time development and troubleshooting of network and test automation with any device, application, or system.

Python-Based: Rapidly create, reuse and publish Python and Robot Framework automation content from a unified development environment.

Record and Playback: Create automation scripts by capturing every action during a manual test and replaying the captured steps.



Portable Automation Format: Develop and export automated tests for use in any environment including lab, staging and production networks.

Response Mapping: This patented feature automatically parses complex device messages to extract the key information.

Leverage existing automation: Enhance the value of your existing Python, Robot, Bash and PowerShell content by importing them via 'File -> Import'

Spirent **iTest**

Python-Based Network Automation and Verification IDE

spirent™ Promise. Assured.

Spirent **iTest Portable Automation Format**

Network automation and verification applications are easily created and securely distributed for both lab to production use.

Network Automation and Verification IDE

PAF

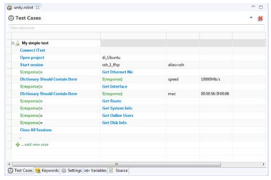
Portable Automation Format

Network Automation and Verification Applications

Integrated Python, Robot and & iTest Editors

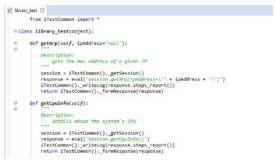
Full capability of iTest applications, API libraries, keywords and results integrated with Python and Robot IDEs

Results Analysis



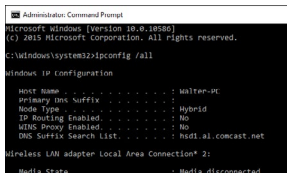
- Apply complex analysis rules with Boolean logic
- Customizable reports with system integrated

Keyword Libraries



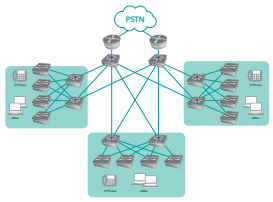
- Build higher level, abstracted automation and test libraries
- Publish as Python, Robot or RESTful APIs

Session Record-Playback



- Abstract devices and applications with common session interface
- Capture and replay user actions
- Troubleshoot issues easily: extensive logs available, including from RESTful sessions

Network Topologies



- Visually model and integrate network or test environments
- Abstract the make, model, and version specifics from the devices being automated

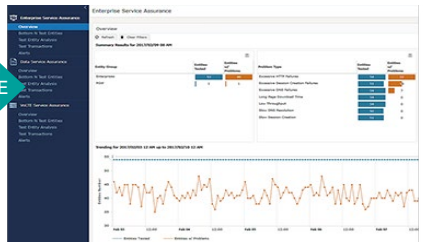
w/ Velocity LaaS/TaaS

PORTABLE

- Create and instantiate development and test environments instantly
- Deploy, schedule, run and share automation
- Store and report all automation results

w/ VisionWorks Service Assurance

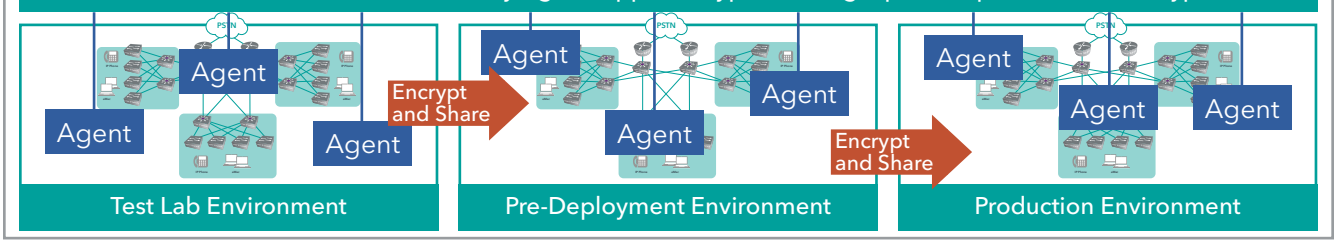
PORTABLE



- Publish automation from lab into production environments
- Test sequences for validating and monitoring network devices and services

Secure Agent Framework Environment

Distributable Secure Automation: Run only signed apps, encrypt all config inputs-outputs, stream encrypted data



Collaborative Network DevOps Workflow Environment

AUTOMATION DEVELOPERS

SHARE AUTOMATION

git + Velocity

SHARE ENVIRONMENTS

NETWORK ENGINEERS

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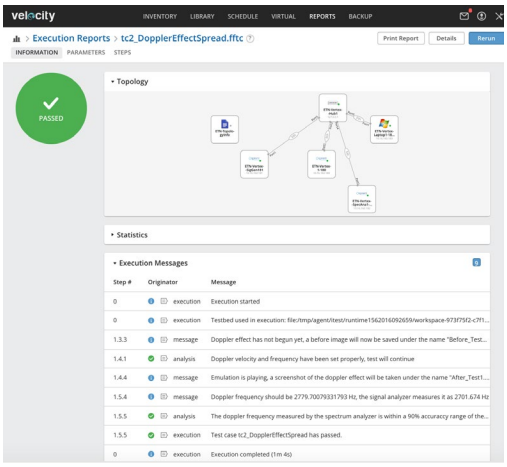
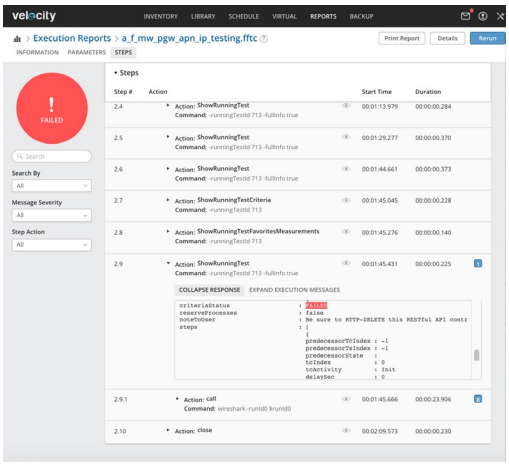
Spirent **iTest Expert Analysis and Community**

Integrated verification tools for expert analysis and community of expert resources to jumpstart your automation.

Expert Verification and Analysis

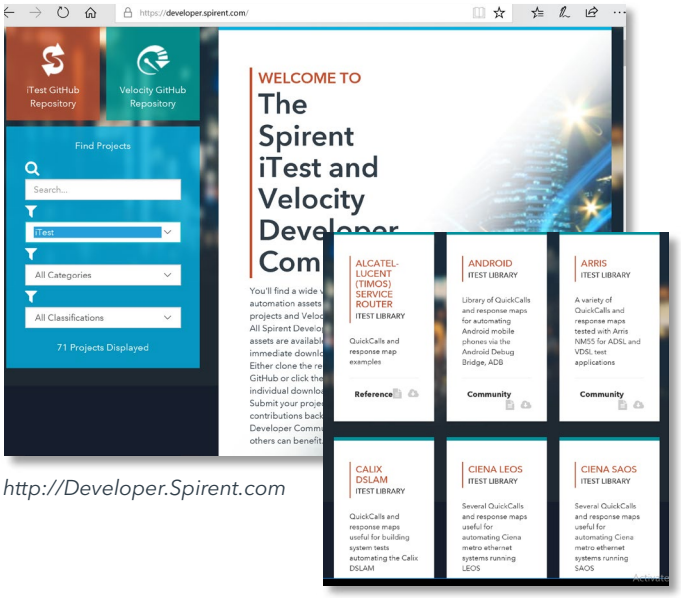


Spirent iTest provides a correlated analysis of the entire system under test with configurable, personalized reports.



Interact during test or post test. Quickly pinpoint issues and easily drill down from test reports.

Expert Community



http://Developer.Spirent.com

Find a wide variety of useful automation assets for your iTest projects. All Spirent Developer Community assets are available for your immediate download and use!

Either clone the repository from GitHub or click the project's individual download button. Submit your projects and contributions back to the Developer Community from which others can benefit.

Contact Us

For more information, call your Spirent sales representative or visit us on the web at www.spirent.com/ContactSpirent.

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Rev A | 03/20