

Spirent Velocity

Virtual Lab Environment for Validation of SDN/NFV Networks

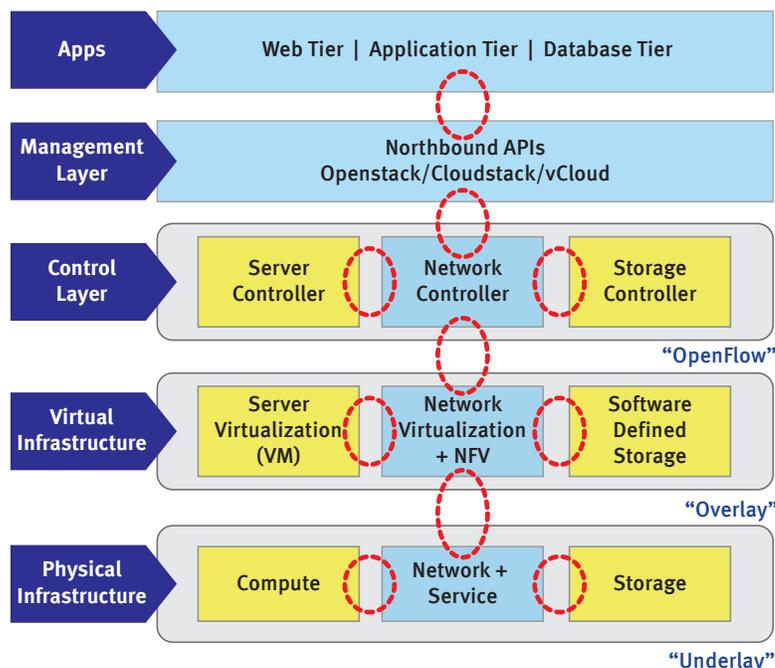
Spirent Velocity accelerates the adoption and deployment of SDN/NFV by removing the barriers around experience, complexity and cost. This is accomplished through access to customizable predefined test methodologies and a virtual 'sandbox' to design in—all without the traditional hardware and software investment normally associated with such rich testing capabilities. Once only available to large Network Equipment Manufacturers, the same level of testing is now available to organizations of any size.

Today's networks are more complex than ever. With everything going 'virtual', it's no longer a case of connecting physical boxes but connecting a broad range of virtual appliances. It's an attractive proposal—the agility to quickly make changes, and is simpler to manage—all at a lower cost. But there is a nagging question, "will it work"?

A virtualized environment means multiple vendors and multiple points of potential failure. In a traditional network dedicated devices run on controlled hardware in a controlled environment. With virtualization you must

contend with shared hardware, multiple OSs and an environment where other tenants generate traffic consuming resources.

Compounding these challenges is fact that the test tools on the market today are focused on point solutions. They test one layer of the stack, one application, one subset of protocols. There's nothing comprehensive that provides you with an overall testing solution and a certainty that the entire stack is going to work as you predict it to work. As a result, even the most advanced testing experts find this a daunting task.



Complex Co-Dependencies in Virtual Environments

Common Questions

Performance—How close to line rate can be achieved so it is a replacement for physical infrastructure?

Availability—With intelligence at the edge, are the virtual elements and controllers able to communicate under load?

Security—Are tenants truly isolated so attacks don't affect other tenants?

Scalability—What is the maximum number of VMs and tenants that can be added without affecting performance, availability and security?

Enter Spirent Velocity

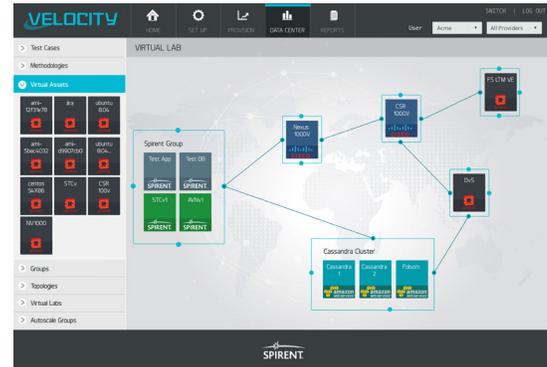
Spirent Velocity helps you overcome these challenges by delivering an integrated platform—easy to deploy—with next-generation solutions for testing and validating. Users don't need to be virtualization experts to create the test environment. Spirent has simplified the process by creating a virtual test fabric environment where users can quickly create complex topologies that focus on validating the SDN/NFV network performance.

Benefits

- Realize predictability of virtual network environment performance
- Increased productivity by reducing learning curve
- Improved test coverage since time is spent on testing, not figuring out test environment
- Subscription-based cost model eliminating the need for CAPEX expenses
- Helps prevent under/over investment in network designs

With Spirent Velocity you can perform:

- **Test Elements Provisioning**—Select and connect various virtual network elements
- **Test Provisioning**—Select from a library of ready-to-run test methodologies
- **Execution and Analysis**—Save, schedule, test and analyze with intelligent results

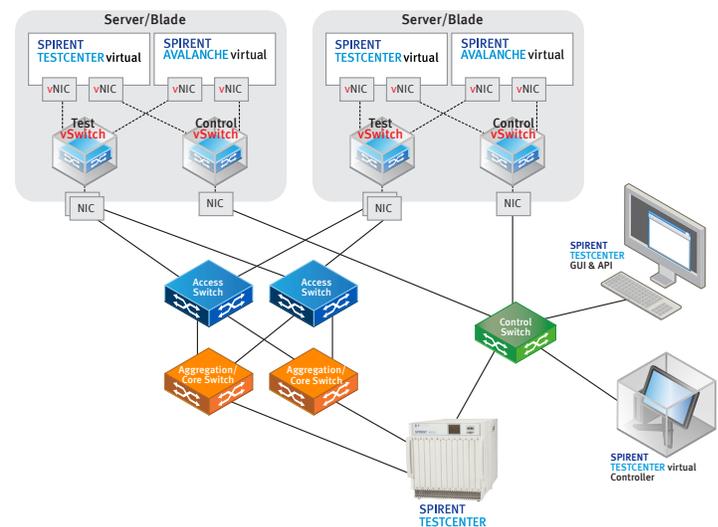


Velocity Virtual Lab

Transformation to a Software Defined Data Center (SDDC)

SDN/NFV deployments will initially be seen mostly in Data Centers. This transformation will not be overnight and will result in a hybrid of both physical and virtual elements.

Spirent Velocity seamlessly incorporates Spirent's TestCenter Virtual and Avalanche Virtual test appliances in its cloud-base design to simplify and remove the guesswork with Velocity-enabled test methodologies for testing performance, availability, security and scale (PASS) of SDN/NFV. Its cloud-based framework lets test engineers utilize physical and virtual test products of their choice on the platform including other test appliances or open source tools on the market to can take advantage existing investments and resources.



A recognized leader



SPIRENT TESTCENTER virtual



SPIRENT AVALANCHE virtual



SPIRENT Velocity



SPIRENT TESTCENTER virtual
SPIRENT AVALANCHE virtual



SPIRENT AVALANCHE virtual

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