

Spirent CloudStress

Web Application for Virtual Infrastructure Validation

- **Infrastructure Validation**—all the tools needed for virtualized infrastructure validation and diagnosis delivered in one application
- **Cost-Effective Solution**—application up and running with minimal investment through the use of virtual technology
- **Quality of Experience**—ease of use, improved productivity and user experience, pre-configured topology profiles help save time
- **Trusted Partner**—benefit from decades of testing experience with Spirent as your guide through a world of complex testing
- **Convenient Access**—web application for infrastructure testing, available when and where you need it

Application Overview

Spirent CloudStress is a web application that enables you to achieve predictability, resiliency and fault isolation in virtualized infrastructure. At its core, CloudStress is a synthetic workload generator that helps validate Enterprise VMs, VNFs and NFV / Cloud infrastructures by dynamically generating configurable simulated VM, VNFs or container to model various application loads.

VM profiles created in CloudStress deliver highly accurate and precise load generation capabilities. Simulated workloads include CPU, Memory I/O, Storage I/O and Network I/O dimensions on the infrastructure bringing realism to the test and validation. CloudStress dashboard will provide you with real-time stats and analytics which would help on improving the underlying infrastructure. The interactive (noisy neighbor) feature helps you to manually change the configuration of the dimensions and see its impact on the underlying infrastructure. You can also achieve automation and third-party integration using REST APIs.

With CloudStress web application, the tests are 100% repeatable and the realistic profiles can be scaled to your needs as applicable to cloud and NFV applications. The multi-dimensional testing compared to uni-dimensional helps in improving predictability by performing virtualized infrastructure tests.

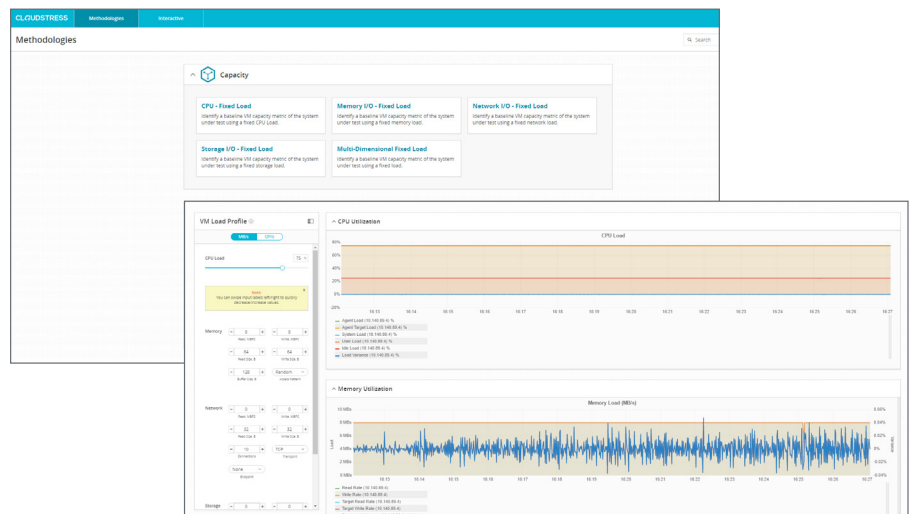


Figure showing Spirent CloudStress capacity / performance-based methodologies and real-time analytics

Introducing Spirent CloudStress

New web application targeted to users looking for an easy way to verify their NFV and cloud infrastructures

Ideal for Enterprise, NEMs, and Carriers-focused testing, for those planning to deploy private or public cloud services

Incredibly simple user interface for test creation, for users looking to find a less complex, easier-to-use application compatible with Spirent hardware

Features and Benefits

- Web-based application runs on any popular browser and operating system
- Simulate physical footprint of any virtual machine to help define the right infrastructure
- Ability to compare and contrast the health of multiple clouds
- Improve predictability and performance of virtual infrastructure
- Ability to isolate the problem between VMs and the infrastructure and validate VM resiliency to faults
- Performance, capacity-based methodologies and Interactive mode for CPU, Memory, Storage and Network I/O
- Automation and third-party integration using REST APIs

About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information, visit: www.spirent.com

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Technical specifications

- Supported Cloud Platform – Openstack
- Supported Hypervisors – ESXi 5.5, 6, KVM, Oracle VM
- Support Linux OS – Ubuntu 14.04, Centos 6.6, 7
- Packaging – Software available in .ova, .qcow2, .img, VDI and VHD formats
- Minimum VM Spec
 - CloudStress Application VM – 2 vCPU, 2GB memory
 - CloudStress agent VM – 1 vCPU, 256 MB memory
- REST API support

Ordering information

Spirent CloudStress Standard Subscription for 1VM/YR	TMV-CS-STD-1YR
Spirent CloudStress Standard Perpetual License for 1VM	TMV-CS-STD-PER
Spirent CloudStress Professional Subscription for 1VM/YR	TMV-CS-PRO-1YR
Spirent CloudStress Professional Perpetual License for 1VM	TMV-CS-PRO-PER