

MIMIC SNMP and Telnet/SSH Simulator Provides Enterprise Grade Networks for Vistara

“MIMIC has been a huge value for us in multiple ways. Our engineers use MIMIC to test and demonstrate Vistara against a broad range of SNMP devices using very little hardware. This gives us a significant cost savings.”

Mahesh Ramachandran
Sr. Director of Product Management

Vistara is a cloud-based lifecycle management solution for end-to-end IT operations. Vistara is disrupting the way the enterprise manages IT operations. It manages applications based on any cloud, virtual and physical IT resources, unifies monitoring, alerts, incidents, maintenance and reports in a single dashboard and helps IT gain control and visibility across their entire hybrid IT infrastructure.

Challenges:

Vistara is a multi-tenant SaaS based product that serves thousands of customers, managing a large number of devices. Vistara runs on a highly scalable Big Data platform that processes over a billion data samples per day. Vistara is architected to be scaled out on demand.

To ensure that Vistara can meet real-time performance demands, the product is tested thoroughly under variety of conditions and against a wide range of devices. Specific features, like Vistara’s performance data visualization, also require in-depth testing. Vistara’s QA team previously used only physical devices in their lab for testing. With this approach, it was very difficult to test product behavior under extreme load scenarios across devices from many different vendors. To address this need, Vistara decided to augment their lab with a network simulator.

Vistara needed an enterprise grade network simulator that can simulate SNMP agent behavior as well as various console protocols such SSH/Telnet in depth. They also needed a tool that came with a large library of pre-defined networks that they could use as simulated test devices. Vistara evaluated the market for an enterprise grade network simulator. [MIMIC SNMP](#) and [Telnet/SSH Simulator](#) stood out in meeting all of its requirements.

Solution:

Vistara is now utilizing MIMIC Simulator in two separate environments: one is a lab for Quality Assurance and the other is Product Demonstration and Customer Trial environment. Both deployments are running MIMIC on Windows servers. Vistara connects to MIMIC via Vistara’s Gateway virtual appliance. The Gateway runs SNMP commands against MIMIC agents. MIMIC simulates various makes and models of networking devices, including Cisco, Juniper, Aruba, etc. Vistara is now able to perform all forms of testing against a MIMIC simulated network: scalability, Telnet/SSH, metric value graphs and other features.

MIMIC delivers substantial benefits for Vistara in multiple ways:

- ✓ The ability to test and qualify the product against a broad range of SNMP devices;
- ✓ Perform scalability testing utilizing inexpensive hardware setups;
- ✓ Testing secure remote console access capability for protocols such as Telnet/SSH;
- ✓ Powerful demonstration capabilities for Vistara’s large feature set.



Dashboard - Visualize the availability, health & performance of services & infrastructure

MIMIC simulates Cisco, Juniper, Aruba and many other devices to test Vistara’s highly scalable platform to process over a billion data samples per day.

For more information:

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