



Our Vision: Ensure excellent end-user experience for any end-user, any application, anytime, anywhere.

Slate Network Health Assessment

Find network troubles before trouble find you

The Slate Network Health Assessment (SNHA), discover all network devices, verify device and network-wide configurations for health, performance, correctness, compliance and identify underlying issues that is typically overseen or difficult to detect. A network score is derived from these parameters and you are provided with executive overview and technically detailed reports, including a list of issues, that negatively impact the network score, to be resolved.



These days, your network must support an escalating number of on-demand applications and split-second response times. As a result, your network infrastructure is becoming more complex. It is composed of diverse, often siloed, multi-vendor infrastructure, including mobile devices at the edge and data center infrastructure. To make everything run smoothly, your network engineers likely rely on manual processes and poorly integrated solutions. These approaches hinder agility, do not provide complete visibility and are not scalable. They make it increasingly difficult to meet the increasing demands for service delivery and reliability your enterprise—and your customers—require. The SNHA address these issues and many more.

Efficiently Discover and Analyse Network Configurations



Automatically discover all devices on your network, where they reside and how they link together. Proactively monitor and analyse network configurations to identify configuration problems early. Apply deep analysis and insights to optimize your network, avoid outages and identify rogue devices. Easily inventory and visualize multiple topology layers and network constructs, such as VLANs, routes and virtual networks.

Audit Device Policies for Regulatory Compliance & Best Practice

Audit network infrastructure configurations. Simplify enforcement of corporate and regulatory compliance requirements such as PCI, HIPAA, DISA and STIGs across multi-vendor equipment. Evaluate your network against industry best practices. It is possible to monitor specific vendor devices for advisories, updates, PSIRTs and end of sale/support notices impacting your devices.



Device Performance

Device performance, including CPU, memory, interface (utilisation, errors, broadcasts) and uptime are monitored and reported on for the duration of the SNHA.

Interface Utilization					
Total Interfaces	Up Interfaces	Active Interfaces	Min Value	Average Value	Max Value
11,805	4,984	667	0%	0.49%	20.17%

Asset Register & Network Documentation

A detailed listing of all discovered devices is provided, including vendor, model, IOS version, serial number, port count (used and unused), VLANs, subnets and more. This information can be used to verify an existing CMDB, verify existing maintenance contracts against and network planning, migration and consolidation. Typically, organisations can save between 5-25% on maintenance cost because of devices that are no longer in service.

Network Health Score & Issues

What is an acceptable Network Health Score? A single issue, like a topology change or a congested interface can cause network instability, or a duplex mismatch on a server can cause degraded application response time at the desktop. The answer is, "Address the identified issues as soon as possible, keep improving the score and strive towards a network score of 100%".

The network score is derived from configuration correctness and stability. For example, 9.5 does not necessarily imply a healthy network, it depends on the severity of the identified issues. Points are deducted for each identified issue.

			Overall Score
Info Count	Warning Count	Error Count	
10	21	12	
 Configurations	 Routing	 VLANs	
 Devices	 Security	 VoIP	
 Interfaces	 Subnets	 Wireless	

Corporate networks in South Africa typically score lower than 8.5 during the initial SNHA and score higher than 9.5 after the initial remedial action is completed.

Identified issues are classified as Errors, Warnings or Information and should logically be rectified in the same order. You have the option for your network staff to remediate issues, or contract Slate to discuss an improvement plan.

Severity	Last Seen	Title	# Affected
Error	2012-07-30 11:42:21	VLAN Trunk Port Down	46
Error	2012-07-30 11:41:14	Port in Error Disable State	28
Error	2012-07-30 11:23:58	Policy Violation: IAVA 2059	164
Error	2012-07-30 11:07:05	Config Difference	48
Error	2012-07-30 06:31:37	VLANs Member Priority	
Severity	Last Seen	Title	# Affected
Warning	2012-07-30 11:42:14	Interface Not Stable	46
Warning	2012-07-30 11:42:11	Inconsistent Duplex Settings	28
Warning	2012-07-30 11:40:11	Interface Congested	164
Warning	2012-07-30 11:38:53	Cisco Buffer Memory High	48
Warning	2012-07-30 11:35:24	Config Activity	
Severity	Last Seen	Title	# Affected
Info	2012-07-30 11:42:18	Config Running Not Saved	164
Info	2012-07-30 11:42:14	Cisco Buffer Memory High	48

Contact Slate Communications

Contact Slate Communications today and book your Slate EUX Assessment.

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