

Traverse Network Configuration Management

Unified IT Monitoring & Management Solution

Overview

Kaseya's Traverse solution provides IT and Cloud Infrastructure Monitoring with flexible Configuration Management, all within one integrated solution. This functionality is supported in an easy-to-use and rapidly deployable footprint.

Traverse supports viewing service impacts by correlating data from different parts of the IT infrastructure, drilling-down to identify the underlying technical components, determining the sources of performance degradation, and then where applicable, rapidly making the configuration changes to remediate the problem. Traverse provides a unified environment, where configuration management is directly tied to network performance and service monitoring in a multi-tenant platform.

Configuration Management and ITIL

The Traverse Configuration Management module enables backup, restore and tracking of changes in network device configurations across the enterprise network. Traverse can manage configurations of thousands of network devices including routers, switches, firewalls, load balancers and security appliances.

Configuration Management is an important component of the ITIL framework. Proper tracking and notification of configuration changes in the network prevents unexpected outages, as well as helps to correlate undesired changes in network behavior with recent configuration changes.

Traditional Network Management solutions have disparate monitoring and configuration tracking capabilities with no correlation between them. Unexpected configuration changes can result in major network outages, which can then take an extremely long time to track down. This drives up costs for the enterprise, and effects overall business performance.

Traverse addresses these challenges by providing business service monitoring, IT performance management, and flexible configuration management in one unified and integrated system. Not only can IT administrators correlate network outages to configuration changes instantly, but also see the impact on a business service through use of Traverse's BSM module. This reduces the Mean Time to Recovery from outages and directly improves the bottom line.



The screenshot displays the 'Config Search' interface. At the top, it says 'Display all the devices in the inventory.' Below this is a search bar with 'Interface IP Address' selected. A table shows search results:

Query	IP Address	Hostname	Adapter	Model
IP/CDR:	75.52.125.78	corp-gw	Cisco IOS	3620
	192.168.10.251	switch0.local	Generic SNMP	Unknown
	192.168.20.253	brock-2610-01	Cisco IOS	2610

Below the table, the selected device 'corp-gw - 75.52.125.78' is shown with its 'Hardware Model' details:

Name	Value
IP Address	75.52.125.78
Adapter	Cisco IOS
Hostname	corp-gw
Make	Cisco
Model	3620

At the bottom, a 'Configurations' table shows historical changes:

Config	Date
/Element-Document	9/28/11 5:00 AM
/running-config	9/28/11 5:00 AM
/startup-config	9/28/11 5:00 AM

On the right side, there is an 'Actions' menu with options: Backup, ARP Table (From Database), Firewall Model, Hardware Model, Interface Model, MAC Forwarding Table, and VLAN Member Ports.

Discover and Backup Configurations

Traverse automatically discovers devices and backs up the configuration for all network devices even in distributed, multi-tenant environments.

Store Comprehensive Detail on Devices

Traverse stores full configuration information for devices, including the Hardware Model (make, model, serial #, part #, etc.), Interface Model (type of interface, speed, MTU, MAC, etc.), Firewall Model and more.

Configuration History and Comparison

Traverse maintains the full configuration history of devices. Users can compare device configurations to ensure compliance and standardization.

Changes, Backup and Restoration

Users can easily execute configuration changes through use of templates, and an intuitive and simple interface. Backups can be executed ondemand as needed, or on a defined schedule.

Search Configurations

Users can perform a global search for specific text in any configuration files or find any device with matching text. Additionally, Traverse provides the ability to search ARP and MAC tables for locations of other networked assets.

Integration and Extensibility

Configuration management operations can be directly initiated from within the unified Traverse user interface. The framework to retrieve device configurations is extensible and support for new devices can easily be added.

How Traverse Differs from Vendor-specific Config Tools like Ciscoworks

Traverse provides a central point to control configuration changes and monitor network health. A large number of performance problems and outages are a result of configuration changes, and so being able to immediately correlate a configuration change with an outage or poor performance means much faster problem resolution.

Traverse supports a wide range of devices and is not limited to Cisco infrastructure. Since Traverse has a built-in discovery and inventory interface, Traverse is also able to go deeper into the configuration and status of each device. Additionally, Traverse can be easily extended through use of the plugin API to capture all kinds of data to provide holistic change management support. Traverse's distributed architecture is also highly scalable.

Support for Wide Variety of Device Types

Summarized below is a partial list of supported devices.

- 3Com SuperStack and CoreBuilder Switches
- Acme Packet Session Controllers
- Adtran NetVanta devices
- Alcatel's OmniSwitch OS
- Alteon AD3 Load Balancers
- APC Smart-UPS
- Arrowpoint Load Balancers
- Aruba Switches Running ArubaOS
- BlueCoat ProxySG
- Brocade SilkWorm
- Check Point SecurePlatform
- Cisco 3000 Series VPN Concentrators
- Cisco Aironet with VxWorks
- Cisco Application ACNS & WAAS devices
- Cisco Nexus & Catalyst Switches
- Cisco Content Services Switches
- Cisco CS500 Terminal Servers
- Cisco Linksys VPN Routers
- Cisco LocalDirector Load Balancers
- Cisco SAN-OS
- Cisco Security Appliances (PIX, ASA, FW5M)
- Citrix NetScaler
- Crossbeam X-Series
- Dell Force10 FTOS, SFTOS & PowerConnect
- Extreme Switches running Extremeware
- Enterasys Switches & Routers
- F5 3DNS & Big-IP Load Balancers
- Fortinet Fortigate
- Foundry FastIron, ServerIron
- HP ProCurve Switches
- Juniper DX, EX, MX Series
- Juniper JunOS Routers & Switches
- Juniper ScreenOS NetScreen Firewalls
- Marconi ATM Switches
- Meru Controller
- Nokia Checkpoint Firewalls
- Nortel Accelar & BayStack switches
- Nortel BayRS Routers
- Nortel BPS
- Nortel Contivity VPN Switches
- Nortel Passport Provider Switches
- Nortel Tiara Tasman Frame Relay
- Packeteer PacketShaper
- Palo Alto Networks PAN-OS
- Radware AppDirector & LinkProof
- Riverbed Steelhead
- Silver Peak VXOA & NX Series
- Vyatta Open Flexible Routers (OFR)

ABOUT TRAVERSE

Traverse is a next-generation monitoring solution from Kaseya, a global software solution provider with over 10,000 customers globally. Traverse's patented technology offers a distributed, scalable monitoring platform with rich data analytics and unified cloud & network management. Traverse allows enterprises and Managed Service Providers to optimize their IT operations with faster mean time to resolution for slow or failed IT services within their infrastructure. Customers leveraging Traverse include the Fortune 100 as well as small-sized and medium-sized businesses worldwide. For more information, visit www.traverse-monitoring.com

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