

Traverse Configuration Management

Unified IT Management Solution

Overview

Kaseya's Traverse solution provides IT and Cloud Infrastructure Monitoring functionality, ITIL Business Service Management (BSM) capability, and flexible Configuration Management, all within one pre-integrated system. 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 business service monitoring.

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 shows the Traverse Configuration Management interface. At the top, there is a 'Config Search' section with a search bar set to 'Interface IP Address'. Below this is a table of search results:

IP Address	Hostname	Adapter	Model
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 search results, the interface shows a detailed view for the device 'corp-gw - 75.52.125.78'. It includes a 'Hardware Model' section with the following properties:

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

There is also a 'Configurations' section with a table of configuration files:

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 of the interface, there is an 'Actions' menu with options like 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.

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 support 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 3 Switch 4400
- 3Com SuperStack II and CoreBuilder Switches
- 3Com SuperStack II Switch 3300
- Adtran NetVanta devices 1.0
- Alcatel's OmniSwitch OS
- Alteon AD3 Load Balancers
- APC Smart-UPS
- Arrowpoint Load Balancers
- Aruba Switches Running ArubaOS
- Check Point SecurePlatform
- Cisco 3000 Series VPN Concentrators
- Cisco Aironet with VxWorks
- Cisco Application and Content Networking System devices
- Cisco Catalyst Switches running CatOS
- Cisco Content Services Switches
- Cisco CS500 Terminal Servers
- Cisco Linksys RV042 VPN Routers
- Cisco LocalDirector Load Balancers
- Cisco Security Appliances (PIX, ASA, FWASM)
- Cisco Wide-Area Application Services devices
- Dell PowerConnect Switches
- Extreme Switches running Extremeware
- Enterasys Vertical Horizon Switches
- Enterasys X-Pedition Switch Routers
- F5 3DNS Wide-Area Load Balancers
- F5 BIG-IP Load Balancers
- Foundry FastIron
- Foundry ServerIron
- Generic SNMP Devices
- HP ProCurve M Series Switches
- HP ProCurve switches
- Juniper Routers and Switches running JUNOS
- Juniper ScreenOS Firewalls (Netscreen)
- Marconi ATM Switches
- Nokia Checkpoint Firewalls
- Nortel Accelar
- Nortel Tiara
- Nortel BayRS Routers
- Nortel BayStack Family Switches (BayStack, BPS)
- Nortel Contivity VPN Switches
- Nortel Passport 1600 Series Switches
- Nortel Passport Switches
- Router with IOS (OS Versions 10.1 and above)
- 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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