



Assure1 Topology

OVERVIEW

Federos Topology Manager provides integrated auto-discovery, topology mapping, and root-cause analysis to give customers a dynamic representation of their networks. These tools have always been highly desired by companies in the technology management arena, but most vendors have struggled to develop a workable solution.

Federos leads the industry with this new addition to the mSuite ITM Solution. Topology Manager allows organizations to automatically discover their networks, create dynamic topology-based maps, present Realtime status indicators for each node, and perform

connectivity-based Probable Root Cause Analysis (PRCA) to provide downstream suppression.

THE FEDEROS ADVANTAGE

With Topology Manager, organizations can automatically discover their networks, view dynamically created topology maps, deliver topology dashboards with real-time status

indicators for network operations staff, perform connectivity based Probable Root Cause Analysis for providing downstream suppression functionality, and adapt the hierarchy storage engine and correlation models to meet their unique needs. Federos has distinct advantages over our primary competitors in this market segment. The first key differentiator is the fact that Federos has not acquired this technology. It was

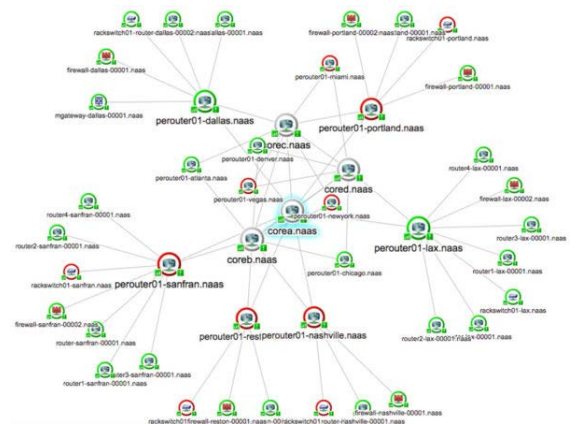
built by our developers to fit into our single code-set solution. This allows the look, feel and administration of Topology Manager to be highly consistent with our other modules and allows us to leverage data from our other components for a more streamlined solution. The second distinctive advantage is our open architecture. The few competitors that do have solutions in this space deliver it with a black box construct.

ASSURE1 TOPOLOGY BENEFITS

- Fully integrated into Federos' single code set
- Great time-to-value (quick deployment)
- Fast discovery and easily maintainable
- Highly scalable
- Capable of handling any hierarchy – logical or physical

NETWORK INVENTORY COLLECTION

Topology Manager offers an ideal solution for organizations needing to consolidate network inventory onto a single pane of glass. Customers leverage out-of-the-box SNMP collection agents to retrieve and display a variety of useful information. The standard agent collects Interfaces, IP Routes, ARP Table, MAC Addresses, and CDP Neighbors.



PRODUCT FEATURES AND BENEFITS

FEATURES	BENEFITS
<ul style="list-style-type: none"> Auto-discovery of network infrastructures 	<ul style="list-style-type: none"> Provides accurate and up-to-date network inventory
<ul style="list-style-type: none"> SNMP deep discovery of devices 	<ul style="list-style-type: none"> Key tool for help desk and managers to drill into device attributes
<ul style="list-style-type: none"> Topology Overview reports showing number of devices or interfaces being managed, by type and by status 	<ul style="list-style-type: none"> Improves network availability & reliability due to faster MTTR delivered via correlation & topology displays
<ul style="list-style-type: none"> Supports standard and customer topology hierarchies 	<ul style="list-style-type: none"> Improved operational efficiency via correlation & real-time displays
<ul style="list-style-type: none"> Open correlation engine supporting customer specific enhancements (not a black box correlation engine) 	<ul style="list-style-type: none"> Automates management efforts
<ul style="list-style-type: none"> Full integration with Dashboard Engine for real-time Topology Dashboards 	<ul style="list-style-type: none"> Complete visibility of your network devices
<ul style="list-style-type: none"> Supports custom topologies incorporating business logic & visualization (e.g. application modeling) 	<ul style="list-style-type: none"> Improves accuracy of inventory data to provide for more informed decision making

LAYER2+3 STITCHING

Processing your Network Inventory Data for Topology Mapping and PRCA

Stitching collected network inventory into topology data is now easy with Federos' rules-based stitching. The standard stitcher will process IP Routes (for Layer3) and CDP Neighbors / ARP (for Layer2), generating the hierarchy needed for PRCA (Probable Root Cause Analysis) correlation as well as the layout for the topology-based dashboard engine.

The stitcher can also be enhanced to leverage other pieces of data to accommodate customer specific hierarchy updates to accurately reflect the client's actual environment. These updates leverage Federos' HSE (Hierarchy Storage Engine) rules sets which are completely open and able to be modified directly by the customer with our 100% Perl based Rules Engine.

CUSTOM STITCHING

CIRCUIT/CUSTOMER HIERARCHY & DISCOVERY

Topology Manager's custom stitching capability also allows integration with business logic data stores, such as provisioning information linking a device/port to a circuit id. Integration with the billing/CRM system allows Federos to link the circuit ID to a customer. With this hierarchy information, Topology Manager can be used to correlate customer/circuit impact.

APPLICATION MODELING / DISCOVERY

Topology Manager offers vast capabilities in the Server/System/Application Monitoring arena. With the use of CMDB or application discovery agents, Topology Manager can map server-to-switch, server-to-server, app-to server and application to application relationships to provide unique correlation and display capabilities.

BUSINESS LOGIC DISCOVERY (SLM/BSM)

Service Level Management and Business Service Management are garnering significant mindshare from IT executives. Federos' Topology Manager plays a pivotal role by providing the capability to discover and autoconfigure BSM/SLM hierarchies. This process involves integrating with customer's billing and provisioning systems via Federos' collection architecture to access the necessary information to auto create these SLM/BSM service trees.

ABOUT

Federos

Federos provides a next generation, service assurance solution that unifies fault, performance, topology and service level management in a single scalable platform. With the product suite from Federos, you can drive IT and OSS transformation to service-oriented operations and accelerate delivery of new services to increase revenue, while consolidating disparate and legacy tools to significantly reduce operations costs.

