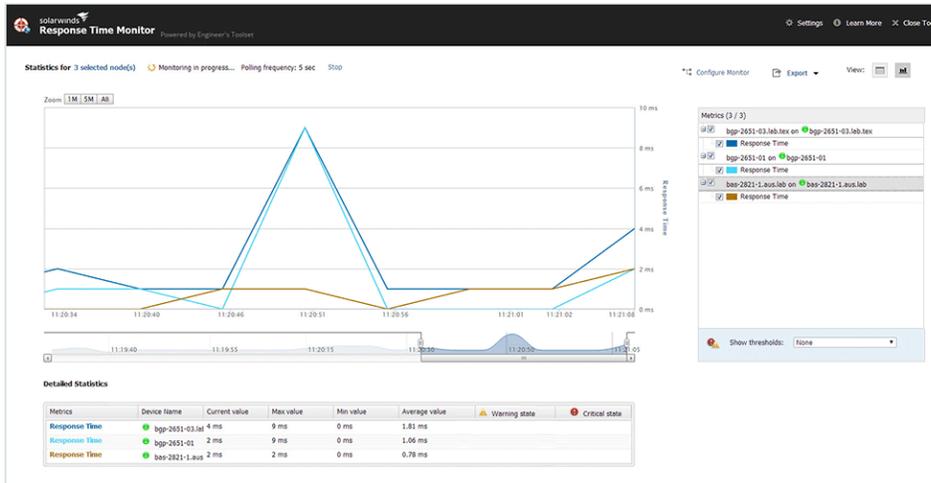


# SolarWinds Engineer's Toolset

## Fast Fixes to Network Issues



SolarWinds® Engineer's Toolset™ (ETS) helps you monitor and troubleshoot your network with the most trusted tools in network management. ETS now comes with an intuitive web console for five of the most popular tools: Response Time Monitor, Interface Monitor, CPU Monitor, Memory Monitor, and TraceRoute.

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14 days, full version

## WHY CHOOSE ENGINEER'S TOOLSET

- **Monitor and alert in real time** on network availability and health.
- **Perform robust network diagnostics** for faster troubleshooting and quick resolution of complex network issues.
- **Easily deploy an array of network discovery tools**, including Port Scanner, Switch Port Mapper, and Advanced Subnet Calculator.
- **Manage Cisco® devices with specialized tools**, including real-time NetFlow Analyzer, Config Downloader, and Config Compare.
- **Cut troubleshooting time in half** and get frequently used tools at your fingertips. SolarWinds Observability Self-Hosted integration streamlines troubleshooting by enabling you to launch tools contextually from any monitored element, ensuring faster issue resolution.

## INTUITIVE WEB INTERFACE

### Response Time Monitor

Web access for Response Time Monitor allows you to track the availability of multiple devices in real time and obtain latency and availability information in tabular form.

### **Memory Monitor**

The web-based Memory Monitor enables you to monitor memory utilization in real time and view current memory utilization alongside the total memory available.

### **CPU Monitor**

CPU Monitor helps you observe the CPU load for multiple devices in real time and set warning and alarm thresholds for each device independently.

### **Interface Monitor**

Interface Monitor allows you to view real-time interface statistics for routers and switches simultaneously.

### **TraceRoute**

The web-based TraceRoute utility enables you to trace the route of a network path and analyze the performance and latency of each hop across a communication path.

## **TOOLKIT ADMINISTRATOR**

### **Toolset Launch Pad**

Quickly access your favorite and all networking tools. Customize these groups as required.

### **Workspace Studio**

Implement tabbed views that display a wide range of your vital network statistics.

## **CONFIGURATION MANAGEMENT**

Manage network devices with specialized tools, including real-time NetFlow Analyzer, Config Downloader, and Config Compare.

### **Config Compare**

Compare the running configuration of a Cisco router or switch with the startup configuration stored in non-volatile NVRAM.

### **Config Downloader**

Download device configuration files from a Cisco CMTS or network router to a remote PC.

### **Config Editor/Viewer**

Extract Cisco router running network configurations and automatically archive them for future reference.

### **Config Uploader**

Upload configuration changes to routers or switches via SNMP. You can change an entire configuration or just one or two parameters.

### **NetFlow Configurator**

Remotely configure NetFlow v5 via SNMP on supported Cisco devices—it's never been easier to get started with NetFlow!

### **TFTP Server**

Concurrently upload and download executable images and configurations to routers and switches.

## **DIAGNOSTICS**

Perform robust network diagnostics for troubleshooting and quickly resolve complex network issues with tools such as Ping Sweep and TraceRoute.

### **Network Diagnostics with Enhanced Ping**

Diagnose network problems by continuously monitoring devices in real time and displaying response rates in graphical charts.

## **GENERAL/OTHER**

A collection of effective systems management tools, including WAN Killer, Wake-on-LAN, and WMI Browser, is available.

### **Remote TCP Reset**

Remotely displays all active sessions on routers and terminal, dial-in, and access servers.

### **Update System MIBs**

Enables you to view, update, and publish MIB changes to the user description fields for any SNMP device.

### **Wake-On-LAN**

Generates a "Magic Packet" to remotely power on PCs attached to networks.

### **WAN Killer Network Traffic Tool**

Lets you test your network by generating random traffic on your WAN, adjusting circuit bandwidth and the percent of load.

### **MIB Scanner**

Interrogates devices to determine if the MIB is supported by the specified network devices.

## IPAM/DNS/DHCP

Monitor IP addresses and DHCP scopes with easy-to-use tools, such as IP Address Management (IPAM), DHCP Scope Monitor, and Advanced Subnet Calculator.

### **Subnet Calculator**

Performs classful subnet calculations, Classless Inter-Domain Routing (CIDR) calculations, and DNS resolution.

### **DHCP Scope Monitor**

Polls DHCP servers to extract IP scopes and highlight scopes low on dynamically assigned IP addresses.

### **DNS Structure Analyzer**

Visually displays the hierarchy of DNS resource records, including name server, CName, and pointer.

### **DNS Audit**

Enables you to locate DNS database errors and validate forward and reverse resolution of domain names.

### **DNS Who Is Resolver**

Allows you to look up and report on domain names, URLs and IP, network, and email addresses.

### **IP Address Manager**

Determines which IP addresses are not in use and how long it has been since they have been used.

## LOG MANAGEMENT

ETS has effective log management tools for creating, receiving, and logging SNMP traps, including Syslog Server for syslog message collection and filtering.

### **SNMP Trap Editor**

Enables you to modify SNMP trap templates and mimic critical alerts to ensure management systems are functioning properly.

### **SNMP Trap Receiver**

Enables you to receive, log, and view SNMP traps and verify that a trap source is configured and functioning properly.

### **Syslog Message Center**

Allows you to send and receive syslog messages and decode them for logging purposes.

## NETWORK DISCOVERY

Deploy an array of network discovery tools, including Port Scanner, Switch Port Mapper, and Advanced Subnet Calculator.

### **IP Network Browser**

Performs network discovery on a single subnet or a range of subnets using ICMP and SNMP.

### **MAC Address Discovery**

Scans subnets and constructs a table that relates IP addresses to MAC, DNS, and manufacturer addresses.

### **Network Discovery Tool: Network Sonar**

Enables you to produce a detailed network inventory in minutes and generate reports using built-in templates.

### **Ping Sweep**

Scans a range of IP addresses to display the ones in use and performs reverse DNS lookups.

### **Port Scanner**

Tests for open TCP ports across IP addresses, port ranges, or a selection of specific machines and ports.

### **SNMP Sweep**

Enables you to query an IP address range to locate used and unused IP addresses and obtain data about each system in the range.

### **Subnet List**

Enables you to discover all subnets and masks on a network by scanning route tables on a seed router.

### **Switch Port Mapper**

Enables you to remotely discover devices connected to each port on a switch or hub and details about each port.

## NETWORK MONITORING

Monitor and alert in real time on network availability and health with tools including Real-Time Interface Monitor, SNMP Real-Time Graph, and Advanced CPU Load.

### **CPU Load Monitor**

Allows you to monitor and graph the real-time CPU load on routers and set alarm thresholds to quickly identify problems.

### **Bandwidth Gauge**

Displays bandwidth statistics in real time for data being received and transmitted for any remote network device.

### **CPU Gauges**

Monitors the CPU load on routers, switches, and Windows® 2000 and later computers via SNMP.

### **NetFlow Real-time Tool**

Enables you to perform real-time capture and analysis of Cisco NetFlow data, providing in-depth visibility into bandwidth utilization.

### **Proxy Ping**

Allows you to initiate a ping test from any remote Cisco router to any other SNMP-enabled device.

### **Network Interface Monitor**

Displays real-time networking monitoring statistics from routers and switches simultaneously.

### **Router CPU Load**

Monitors the CPU load on multiple Cisco routers concurrently, recording peak load level and its time.

### **SNMP Device Performance Tool**

Enables you to collect and graph performance data from any SNMP-enabled device.

### **TraceRoute**

Enables you to trace the route of a network path from your computer to any other device.

### **Availability Monitor Tool**

Enables monitoring and alerting on the availability of critical network devices directly from your desktop.

## **SECURITY**

Ensure network security with handy tools, including Router Password Decryption, SNMP Brute Force Attack, and SNMP Dictionary Attack.

### **Router Password Decryption**

Decrypts any Cisco type-7 passwords for routers and switches to recover lost passwords.

### **SNMP Brute Force Attack**

Enables you to attack an IP address with SNMP queries to determine the SNMP read-only and read-write community strings.

### **SNMP Dictionary Attack**

Simulates attacks using permuted hacker dictionaries on network devices to identify security vulnerabilities.

## **SNMP**

### **MIB Viewer**

Quickly retrieve frequently used MIBs using the extensive SolarWinds MIB database.

### **MIB Walk**

Discover and produce reports detailing which MIBs and OIDs are supported on a particular device.

### **SNMP MIB Browser**

Query remote devices for software and hardware configurations via SNMP using the extensive SolarWinds MIB database.

## **SYSTEM REQUIREMENTS**

Please refer to the [Engineer's Toolset \(ETS\) documentation](#) for the latest system requirements.

## **TRY BEFORE YOU BUY**

Don't just take our word for it. At SolarWinds, we believe you should try our software before you buy. That's why we offer free trials that deliver full product functionality. [Simply download the 14-day free trial](#), install the software, and start using the 60+ tools to easily manage and troubleshoot your network.

**Try It Free →**

14 days, full version

## ABOUT SOLARWINDS

SolarWinds (NYSE:SWI) is a leading provider of simple, powerful, and secure IT management software built to enable customers to accelerate their digital transformation. Our solutions provide organizations worldwide—regardless of type, size, or complexity—with a comprehensive and unified view of today's modern, distributed, and hybrid network environments. We continuously engage with technology professionals—IT service and operations professionals, DevOps and SecOps professionals, and database administrators (DBAs)—to understand the challenges they face in maintaining high-performing and highly available IT infrastructures, applications, and environments. The insights we gain from them, in places like our [THWACK®](#) community, allow us to address customers' needs now, and in the future. Our focus on the user and our commitment to excellence in end-to-end hybrid IT management have established SolarWinds as a worldwide leader in solutions for observability, IT service management, application performance, and database management. Learn more today at [www.solarwinds.com](http://www.solarwinds.com).

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