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GROUNDWORK OPEN SOURCE

How it Works

On a configurable schedule, GroundWork Windows Child Server:

- Initiates the polling of your network's Windows devices for disk, memory, and CPU usage via Windows Management Instrumentation (WMI).

- Transfers monitoring results to the GroundWork Monitor Enterprise Server via NSCA (Nagios Service Check Acceptor protocol).

- Pulls configuration data from the GroundWork Monitor Enterprise Server via either HTTPS or SSH protocols.

Administer all the devices and applications that make up your heterogeneous network from one central dashboard on the GroundWork Monitor Enterprise Server.
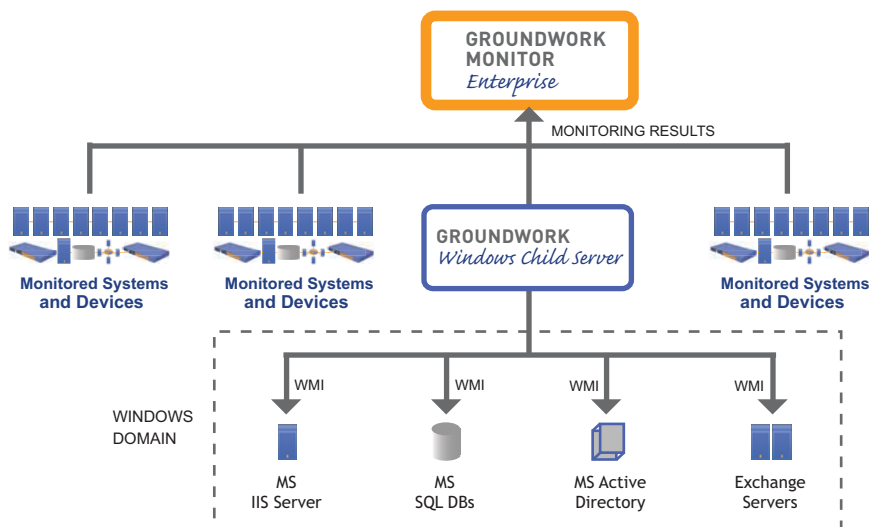
GROUNDWORK WINDOWS CHILD SERVER

Eliminating the need for agent-based monitoring, the optional GroundWork Windows Child Server combined with GroundWork Monitor Enterprise natively monitors your network's Windows systems using WMI (Windows Management Instrumentation).

WINDOWS CHILD SERVER

Agentless monitoring of Windows systems and applications. From one dashboard, seamlessly monitor systems and applications based on Linux, Windows, Solaris, or other operating systems.

The GroundWork Windows Child Server with GroundWork Monitor Enterprise offers:

- **Reduced administration time** – Agentless monitoring avoids the need to install and manage agents on individual systems.

- **Native Windows monitoring** – GroundWork Windows Child Server uses Windows Management Instrumentation (WMI) to natively monitor your Windows devices without agents.

- **Central control** – Configure all your systems and devices, no matter their operating system, from one GroundWork Monitor Enterprise Server.

- **Monitoring for distributed environments** – Monitor hosts located in different geographic locations, in customer premises, DMZ's, remote offices or behind firewalls.

- **Increased monitoring capacity** – Adding the GroundWork Windows Child Server to your environment increases monitoring capacity while maintaining central standardized control.

- **Auto-Discovery of Windows configurations** – GroundWork Windows Child Server automatically discovers your Windows environment and loads configuration data into your GroundWork Monitor Enterprise Server.

- **Deployment options** - Can be deployed and configured on a physical server or as a Windows guest on VMware ESX.

Example Deployment with GroundWork Windows Child Server

INCLUDED SERVICES AND PROFILES

Services

Included with your purchase of GroundWork Windows Child Server, GroundWork Professional Services will:

- Deploy and configure the GroundWork Windows Child Server software on a Windows server of your choice or as a Windows guest on VMware.

- Set up and enable communications and discovery between the GroundWork Windows Child Server and the GroundWork Monitor Enterprise Server.

Profiles

By default, GroundWork Windows Child Server profiles collect these values.

Profile Name	Value Collected
check_cpu_load_percentage	Load percentage of one or more CPUs
check_disks_io	Disk I/O of one or more logical disks
check_disks_percentage_space_used	Disk usage of one or more logical disks
check_memory_percentage_space_used	RAM, page file, or total memory usage
check_network_io	Network I/O of one or more TCP/IP network interfaces
check_proc_num	Number of running processes matching a search
check_services_states	The state of an installed service
verify_wmi_status	OS version to verify WMI is working

Optional Profile Configuration

You can create custom profiles that return performance counters from Windows systems exposed via WMI. The following types of measurements are supported:

- **Average number of operations per time interval**
  Example: File Read Operations Per Second.

- **Active time in 100ns intervals**
  Example: Percent Processor User Time.

- **Last counter value**
  Example: Memory Available Bytes.

- **Instantaneous percentage utilization**
  Example: Paging File % Usage (Peak).