

Orion Enterprise Operations Console

UNIFIED MANAGEMENT FOR DISTRIBUTED NETWORKS

Monitor Your Enterprise with Orion NPM, Manage Your Universe with Orion EOC

*"We've had Orion for less than 3 months, and it has already **paid for itself.**"*

- Spencer Furey,
PMG, Inc.



The world may not be flat, but it sure is big. If you're trying to manage a geographically distributed enterprise network – whether it's scattered across the country or around the globe – you know how tricky this can be. As a network engineer, you need to proactively maintain network stability and instantly respond to any network issues, wherever in the world they may occur. And you need to ensure network resources are correctly utilized to optimally deliver business services across your networks. Until teleporter technology is perfected (we're working on that), you're going to have to do all of this remotely, and without impacting WAN performance.

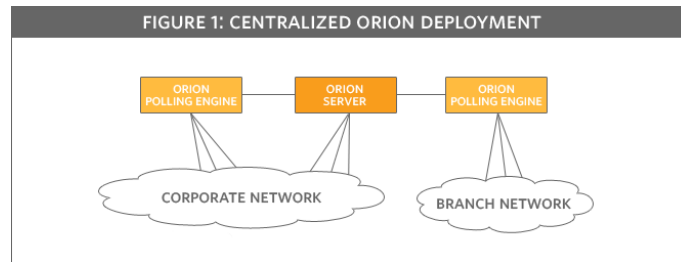
Orion Enterprise Operations Console (EOC) provides a consolidated command center to monitor your entire enterprise network. It gives you unified visibility into remote Orion servers running Orion Network Performance Monitor (NPM) and its associated modules. Orion EOC's point-and-click setup allows it to be installed and configured in just minutes, unlike complex enterprise management solutions which require expensive consultants and significant effort to deploy. Orion EOC's WAN-optimized architecture scales as your network grows; in fact, with Orion EOC, you can monitor as few as several hundred network elements to well over one million elements by consolidating data from dozens of remote Orion server deployments.

Orion EOC Highlights:

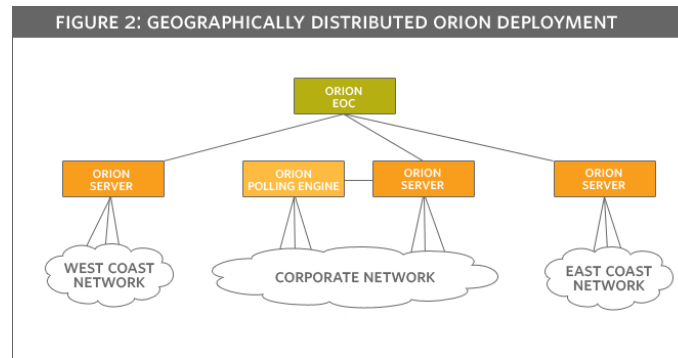
- Establishes a command center by providing a **single interactive screen** that displays your enterprise-wide network health monitored by distributed Orion servers
- Empowers you to quickly begin monitoring your network in just minutes using a simple **point-and-click setup**, without the need for consultants
- Scales to monitor over a million network elements using EOC's **WAN-optimized architecture**, with no degradation in network performance
- Supports **managed service providers (MSPs)** by consolidating critical information from Orion servers deployed at multiple customer sites onto a single screen
- Allows enterprises and MSPs to **monitor overlapping IP addresses**, eliminating the need for clients to change IP configurations due to cross-site IP address conflicts
- Focuses your attention on mission-critical issues with global views of events, alerts, traps and Syslogs, plus **Global Top 10 views** of bandwidth utilization, response time, CPU, memory, and disk space utilization
- Offers **seamless integration** with all other Orion modules to quickly quantify issues with your VoIP infrastructure, network traffic, wireless devices, and applications
- Enables you to **create custom views** by adding, removing and rearranging resources, as well as modifying menu bars and more

Orion Deployment Options

Orion servers can be deployed standalone or with multiple instances across a distributed network. Figure 1 illustrates a configuration in which a single Orion server monitors a large corporate network, as well as a smaller branch network. This straightforward deployment approach uses a single SQL database. Monitoring scalability depends on database performance, which typically limits the number of monitored elements to between 50,000 and 100,000, depending on the polling frequency and other factors. This deployment configuration is ideal when an organization and its IT staff are geographically centralized.



When multiple Orion servers are used for management, Orion EOC can be leveraged as a command center console to aggregate the multiple instances, as shown in Figure 2. This configuration is ideal for enterprise-class organizations with geographically distributed networks or for managed service providers.



In this deployment, each Orion server monitors its local network and feeds aggregate information back to EOC. The corporate office has an Orion server with a polling engine to extend its monitoring scalability. The East Coast and West Coast networks each use a single Orion server to monitor their local networks and minimize international WAN traffic back to the primary corporate network.

Orion EOC securely collects Orion server data directly from each of the regional SQL databases, including the local corporate office. WAN performance is not impacted because Orion servers poll network devices locally and EOC only periodically pulls updates from each Orion server database. This WAN-optimized architecture ensures that WAN traffic is minimized and that, even if the WAN link temporarily goes down, regional Orion servers will continue polling without disruption. Once the WAN link is restored, EOC automatically reconnects to the Orion servers, ensuring you never lose important information about network health.

Orion Modules:

- Application Performance Monitor
- NetFlow Traffic Analyzer
- IP SLA Manager
- IP Address Manager

Orion modules extend the monitoring capabilities of Orion NPM to network traffic analysis, applications and servers, VoIP, and wireless devices.

System Requirements:

CPU Speed: 2 GHz; Hard Drive Space: 100MB; Memory: 2 GB; Operating System: Windows Server 2003; .Net Framework 3.5; Database & Other Services: SolarWinds Orion Network Performance Monitor v8.5.1 or later; SQL Server 2005 Express, Standard, or Enterprise; Internet Information Services 6.0; Ports: Orion Information Service Protocol uses port 17777/TCP