solarwinds

HIGH AVAILABILITY
## FOR THE ORION PLATFORM

ENSURE 24X7 AVAILABILITY FOR YOUR ORION SERVERS

As an IT engineer, you recognize the necessity of proactive 24 x 7 x 365 monitoring of your IT infrastructure. But what happens if your monitoring system fails? In other words, who's monitoring the monitor?

SolarWinds® High Availability for the Orion® Platform provides continuous monitoring of your infrastructure in the event of a failure with your monitoring system. HA protects key services by pooling a secondary, backup server with each of your Orion servers. If the primary server goes down, the secondary server will take over those critical services, such as polling and alerting, to prevent data loss.

KEY DIFFERENTIATORS

» Provides full redundancy to your Orion server to help ensure data collection continuity with near instantaneous automated failover. This helps make sure you never lose visibility into the health and performance of your IT infrastructure.

» Protects your Orion environment against operating system crashes, application failures, network connectivity problems, and database availability issues to help ensure that your server, application, storage, and network environments are always being monitored.
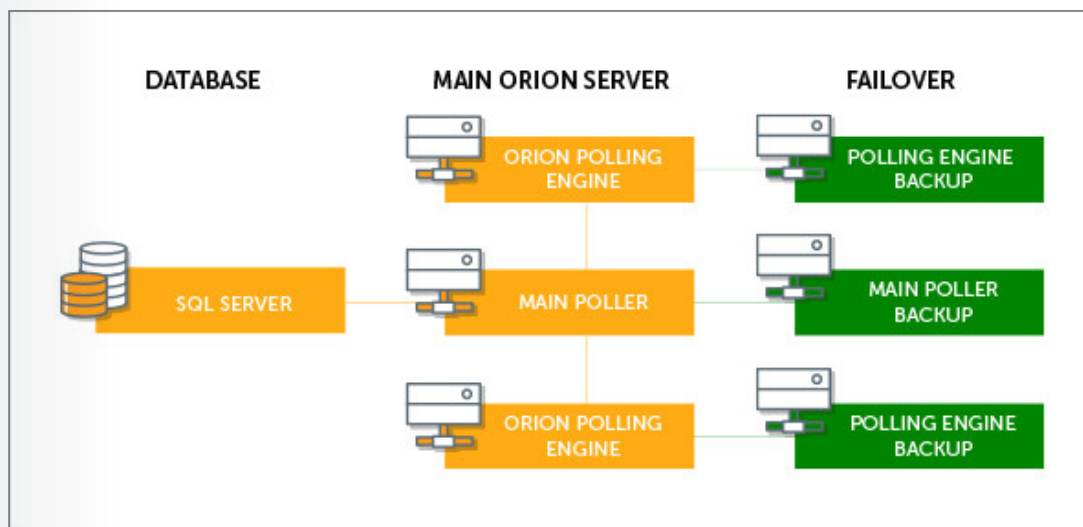

KEY FEATURES

» **Automatic two-minute failover** to help ensure monitoring and data collection continuity.

» **Instant notification and alerting** allows you to be the first to know when key health thresholds for your monitoring system are crossed.

» **Customizable rules allow you** to trigger failover based on application, system, process, and service health thresholds.

» **Real-time monitoring** of your Orion implementation provides high availability to help ensure business continuity.

SERVER PROTECTION
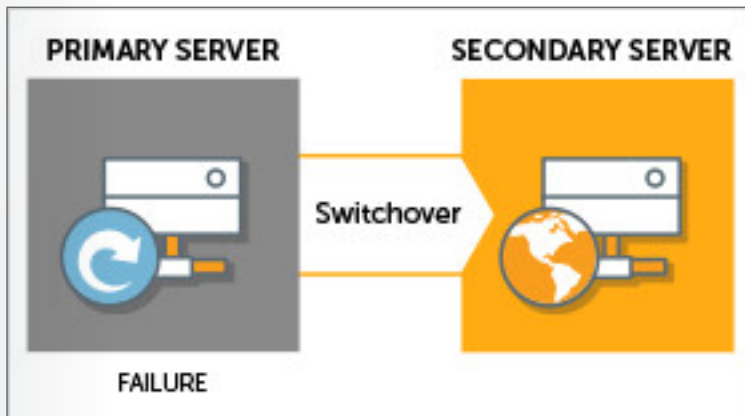
Should the production server fail, HA for Orion protects the network identity of your production server, helping to ensure that users have a replica server, including server name and IP address.

» Installed on a primary ("active") server and secondary ("passive") server.

» Failover is initiated when the passive server detects that the monitoring process has failed.

» The passive server immediately assumes the active server role.

APPLICATION PROTECTION

HA enables you to maintain your application environment by helping make sure that network applications and services stay alive.

» HA on the active server uses plug-ins to monitor the applications and services it has been configured to protect.

» If the protected app fails, HA attempts to restart the application on the active server.

» HA initiates switchover if the restart fails.

NETWORK PROTECTION

HA proactively monitors the network by polling up to three nodes, helping to ensure that the active server is visible on the network.

» At regular intervals, polls define nodes around the network, including the default gateway, primary DNS server, and global catalog server.

» HA initiates a failover if all three nodes fail to respond, allowing the secondary server to assume a network identity identical to that of the primary server.

PERFORMANCE PROTECTION

» By monitoring system performance attributes, HA provides proactive notifications of problems, allowing you to avoid outages.

» Monitors application attributes to help ensure they remain within normal operating ranges.

» Establishes rules to trigger specific corrective actions when these attributes fall outside their respective ranges.

DATA PROTECTION

HA intercepts all data written by users and applications and maintains a copy on the passive server so that it can be used in the event of a failure.

» HA protects files, folders, and registry settings on the active server by mirroring them in real-time on the passive server.

» All protected files are available on the secondary server after a failover.

SYSTEM PREFERENCES

SUPPORTED ORION CORE	Supported Orion Core
SUPPORTED SOLARWINDS® ORION PRODUCTS (OR LATER VERSION)	NetFlow Traffic Analyzer 4.2.1 Network Configuration Manager 7.5.1 Network Performance Monitor 12.1 Database Performance Analyzer 10.2 Server & Application Monitor 6.3 Patch Manager 2.1.2 IP Address Manager 4.3.2 Engineer's Toolset 11.0.3 User Device Tracker 3.2.4 Voice & Network Quality Manager 4.2.4 Web Performance Monitor 2.2.1 Virtualization Manager 6.3.2 Firewall Security Manager 6.6.8 Storage Resource Monitor 6.3 SolarWinds NetFlow Traffic Analyzer version 4.2.1 SolarWinds Network Configuration Manager version 7.5.1 SolarWinds Server & Application Monitor version 6.3 SolarWinds User Device Tracker version 3.2.5 VoIP & Network Quality Manager version 4.2.5
OPERATING SYSTEM	Windows Server® 2008 R2 SP1, 2012, 2012 R2
DATABASE	Supports Express, Standard, or Enterprise versions of the following: SQL Server® 2008, 2008 SP1, 2008 SP2, 2008 SP3, or 2008 SP4 SQL Server 2008 R2, 2008 R2 SP1, 2008 R2 SP2, or 2008 R2 SP3 SQL Server 2012, 2012 SP1, 2012 SP2, or 2012 SP3 SQL Server 2014 or 2014 SP1 SQL Server 2016
MEMORY	1GB (2GB recommended) in addition to any other memory requirements for the operating system or SolarWinds Orion products
DISK SPACE	2 GB of available disk space in the installation drive