

## Neverfail<sup>®</sup> Solutions for SolarWinds<sup>®</sup> Orion<sup>™</sup> Database

When it comes to ensuring that dynamic networks of all sizes are up and running it is critical to make use of appropriate technology to manage those networks. SolarWinds Orion Network Performance Monitor (NPM) has established itself as the leading solution for organizations large and small.

Orion NPM makes it easy to quickly detect, diagnose, and resolve performance issues with dynamic networks. It delivers real-time views and dashboards that enable visual tracking of network performance at a glance.

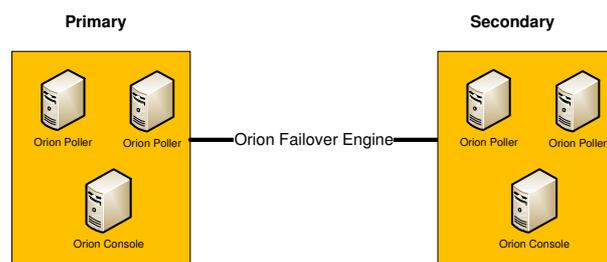
### Guarding Against Downtime

To ensure that the benefits of Orion NPM are always available to network administrators it is vital that any downtime affecting the Orion servers does not disrupt the ability to manage the network as a whole. Outages can come in many forms. Hardware failures or database issues can take down Orion NPM unexpectedly; and regular maintenance or power upgrades can result in planned outages. In either case protecting the Orion NPM against unexpected and planned interruptions of service is an essential part of planning the network infrastructure itself.

To cover all eventualities Neverfail and SolarWinds have collaborated to deliver complementary solutions that protect availability of the overall network-monitoring platform.

### SolarWinds Orion Failover Engine

The Orion Failover Engine (OfE) is a software solution that provides high availability and disaster recovery functionality for Orion installations. It is available directly from SolarWinds and has been built using Neverfail technology. As with other Neverfail solutions, the OfE makes use of secondary clones to protect the primary Orion installation.



To ensure continuous availability, the OfE uses monitoring and replication to maintain cloned primary and secondary installations. A “heartbeat” is maintained between the two installations. Should the heartbeat fail the OfE will automatically switch to make use of the secondary installation to ensure un-interrupted operation. This switch can also be instigated manually in the case planned downtime.

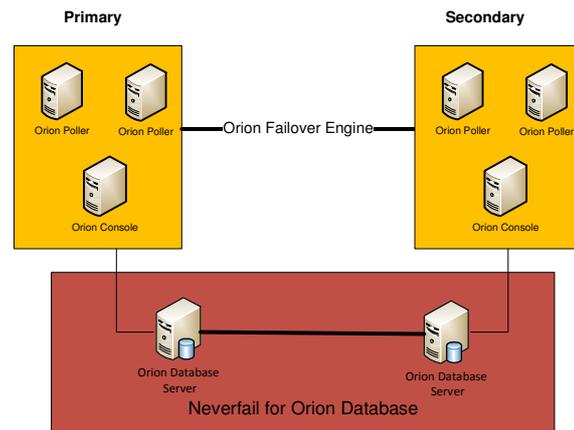
## Neverfail for Orion Database

A key component of any Orion NPM implementation is a Microsoft SQL database. This database is used to store information about configurations and maintain operational and historical data for analysis and further action. If the Orion database becomes unavailable this will cause Orion NPM to fail. For this reason ORION NPM infrastructures should include resilient database operations.

As a leading provider of continuous availability solutions Neverfail for SQL is already a solution of choice for high availability and disaster recovery of mission critical database applications. The protection afforded is second to none as recognized by the inclusion of Neverfail for SQL in Microsoft's SQL Always On program.

Neverfail for SQL can be used to protect a Microsoft SQL Server implementation, including those where Orion NPM shares its database requirements with other applications.

Where Orion implementations use dedicated versions of SQL Server, Neverfail provides a specially licensed version of its award-winning product. Available at attractive pricing, Neverfail for Orion Database brings the proven benefits of high availability and disaster recovery to the Orion database itself. The Neverfail SKU includes first year maintenance and a telephone install service.



## Shared Solutions – Common Benefits

Because Neverfail for Orion Database and SolarWinds Orion failover Engine share the same underlying technology they offer unique benefits for both the Orion and SQL Servers.

Together the SolarWinds OfE and Neverfail for Orion Database:

- Provide **two-minute failover** for the business-critical network management system and database
- Deliver **instant e-mail notification** if key health thresholds for the network management or database system are crossed
- **Support the customization of failover rules** which can be triggered based on application, system, process, and service health for Orion NPM and the Orion Database.
- **Provides high availability and disaster recovery** with real-time monitoring of the Orion implementation (including Orion modules, polling engines and database)
- Saves time by **automating failover tasks** such as creating processes, restarting services, or updating DNS records
- Prevents downtime with almost **instantaneous automated failover** when component failures occur

The combination of the SolarWinds Orion OfE and Neverfail for Orion Database provides maximum protection against outages of the Orion network-monitoring infrastructure.