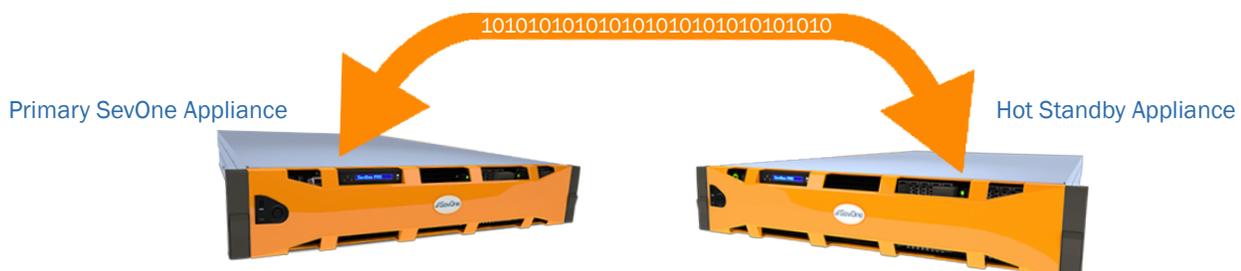## SevOne Hot Standby Appliance

Why Deploy HSA?

SevOne appliances collect gigabytes of business-critical performance data every day. For many organizations, this performance data is so important that customers cannot accept any data loss. Further, our customers cannot risk a disruption to ongoing monitoring of their infrastructure with a loss of polling or monitoring functions. To help meet these goals of reducing operational risks, minimizing risks of polling gaps, and avoiding a single point of failure, SevOne provides a Hot Standby Appliance (HSA).

How Does HSA work?

Using the same hardware and software as a primary appliance, the SevOne HSA provides a one-to-one high availability solution. HSAs store all of the current and historical data of the primary appliance with a full database replication. The HSA maintains the same data in flash memory cache and disk storage in sync with the primary appliance. While in standby mode, the HSA does not perform any active monitoring itself and therefore it places no additional strain on the network.

If you have multiple SevOne appliances, not every appliance in a cluster requires an HSA. You can selectively deploy HSAs to achieve your desired level of business continuity and high availability.

Key Benefits

- Protect historical performance data in the event of hardware or site failure
- Maintain monitoring and alerting functions with a hot failover solution
- Preserve polling data during an upgrade processes
- Removes single point of failure with flexible deployment

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Primary SevOne Appliance   Hot Standby Appliance

Polling data from your primary appliance is replicated to the SevOne HSA, which can also serve as a failover solution in the event your primary appliance suffers hardware or site failure.

When Will a Failover to HSA Occur?

The HSA can take over for the active appliance at any time. The HSA performs a continuous heartbeat check to its primary appliance. In the event the heartbeat of the primary appliance goes away for any reason for a specified time period, the HSA assumes the primary appliance has suffered a catastrophic failure and it assumes the role of the active appliance. This limits the disruption to the monitoring of your infrastructure and avoids any significant loss of polled data.

Additional Use Cases for the HSA

In addition to serving as a hot failover solution and protecting your historical performance data, the SevOne HSA is useful in other business scenarios:

- **Protection during an upgrade** - In the event you need to update your primary SevOne Performance Appliance Solution (PAS), the HSA can temporarily assume the production roles and maintain all polling, reporting, and alerting functions while the original PAS receives an upgrade or update. When the update completes, the HSA data can be used to replace any data gaps on the PAS. The proper PAS/HSA relationship returns after the update. *This requires a professional services engagement.*

- **Reducing risks of replacing an appliance** - If your operational processes make it difficult to replace failed hardware components in a timely fashion, the HSA can serve as your primary appliance during the replacement process.

About SevOne

SevOne provides the world's fastest, most scalable performance monitoring platform to the world's most connected companies. We provide an 'all-in-one' appliance, that detects and alerts you to performance events before they impact your business. SevOne developed a next-generation distributed technology, called the SevOne Cluster™, that combines the cutting edge principles behind distributed computing to address any scalability concerns. SevOne monitors millions of objects, across multiple technologies and provides a single view to the user and the operators. Hundreds of customers, including the top cable companies, wireless network and managed service providers, and top financial services institutions rely on SevOne to monitor the performance of their critical infrastructure and devices.