

Stratus Avance Split-Site Deployment



Avance split-site deployment provides enhanced disaster recovery for critical IT applications

An effective disaster recovery (DR) plan prepares your organization to overcome most business interruptions in a few seconds or minutes – not hours or days. Unfortunately, the complexity and cost of setting up and managing a comprehensive disaster recovery (DR) solution has remained an ongoing barrier for many organizations.

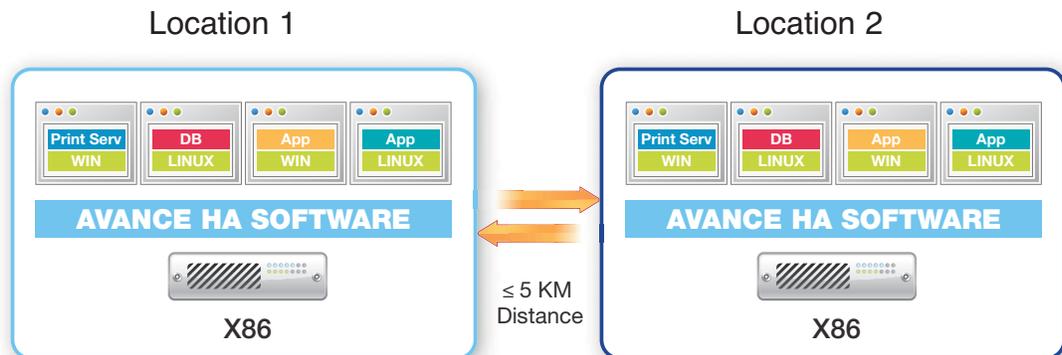
Companies need a way to address the risks that can bring their daily business operations to a halt. Most business continuity plans fail to address the primary causes of prolonged IT outages: Localized “minor disasters” such as lightning strikes, structural damage, hard

equipment failure or even theft. These failures place a heavy financial and recovery burden on organizations with limited IT resources.

Stratus® Avance® high-availability (HA) software offers a cost-effective alternative for business continuity and DR that is easy to deploy and manage. Avance software provides better than four nines availability, without the need for sophisticated IT skills or additional staff.

Deployed in a split-site configuration, Avance software transforms business continuity planning from an exercise in damage control to an endeavor that ensures minimal downtime and rapid recovery from localized disaster.

Avance software synchronously mirrors up to 24 VMs on servers located up to 5 KM apart.



Uptime. All the time.



Benefit from an easy, cost-effective way to protect business continuity

The requirements for setting up an Avance split-site deployment are minimal. Your benefits are immediate and long lasting.

Avance software constantly monitors system heartbeat and the health of drives, fans, power supplies, and other system components to predict faults and performance degradation. Its highly intuitive system management dashboard presents the IT administrator with detailed configuration and alert information with guidance on resolving issues. The software includes a single web-based management console that enables remote monitoring and management of servers, virtual machines and network interfaces.

Avance split-site advantages

The split-site configuration is designed to address the business continuity requirements of most organizations.

- Avance high-availability software runs on two x86 servers that run business processes inside virtual machines (VMs). Up to 24 VMs are synchronously mirrored on both servers.
- Physical separation of the server pair provides immediate protection against a variety of localized disaster scenarios that would otherwise result in downtime and data loss. In split-site deployments, the Avance servers can be located in separate locations up to three miles apart.
- Avance HA prevents downtime and eliminates complex recovery mechanisms. As a result, recovery time objective (RTO) the length of time it takes to get back into service and Recovery Point Objective, the point in time from which you recover your data, are concerns of the past.
- This automated low-cost, low-overhead solution eliminates the need for highly skilled IT specialists and relieves you of routine day-to-day management activities.

Rapid deployment

Setting up your Avance split-site configuration is easy and straightforward. Three basic requirements ensure quick, easy deployment:

- Each business link must be on the same subnet as its matching link on the other node.
- The two servers must have a single dedicated private link that cannot be routed. If interconnections are required on the private link, then non-blocking switches and a dedicated VLAN must be employed.
- The round trip latency of the private link can not exceed 10ms. Latency can be calculated at 1 ms per 100 miles of fiber. Non-routed, non-blocking switches have a negligible latency of less than 1 ms that can be safely ignored at shorter distances.
Please note: The latency calculation is provided as a rule of thumb; your latency may vary and should be tested for your particular deployment.

Learn more about Avance software at: www.Stratus.com/Avance

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