

Server BS2000 SE series

High Availability

Fujitsu's SE infrastructure solutions offer very high availability not only due to their design, but also through the use of high-quality, partly redundant hardware components. This is also based on a mature concept for handling unexpected error situations by the system software as well as on a comprehensive quality assurance concept.

"Best-in-class" business continuity.

Fujitsu offers optional additional components for integration into the customer's high availability concept in accordance with the specific customer requirements, in order to almost completely avoid downtimes during maintenance work and to minimize unplanned downtimes even further.

Building blocks for High Availability solutions

Maximum availability is achieved by a **second Fujitsu Server** of the BS2000 SE series. The clear presentation of the entire **Management Cluster** in the SE Manager ensures user-friendly and secure administration.

Live Migration (LM) is a key element for High Availability. **Fujitsu Servers of the BS2000 SE series** are the world's first and so far only mainframes to support the uninterrupted movement of guest systems with their customer applications to a second server during operation. System downtime due to maintenance work on hardware or software is now a thing of the past. Simple, efficient and reliable, the SE infrastructure thus achieves "always-on" availability of mainframe applications.

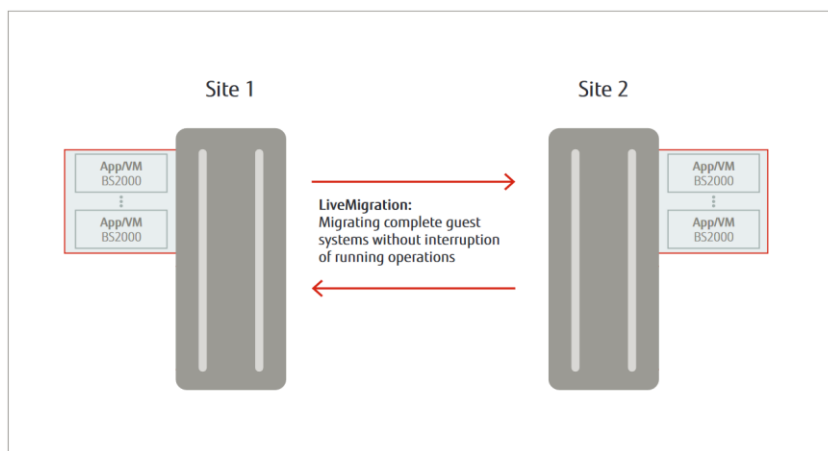
In relation to customer data, a **Storage Cluster** rounds off the set-up further.

This is supplemented by **SE/HA services** for the automatic detection of failures and the rapid restoration of operational readiness.

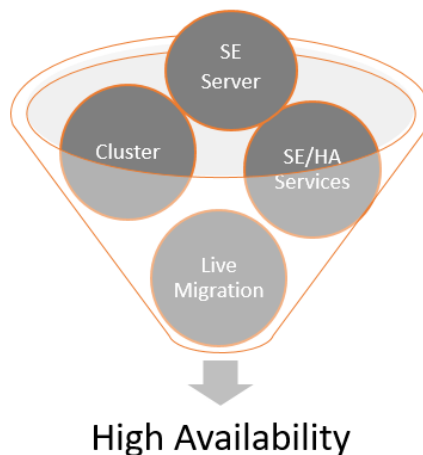
Uninterrupted processing thanks to High Availability

Core components of High Availability using Fujitsu Server of the BS2000 SE series

- **Management Cluster**
Management Units (MU) run in parallel on at least two SE Servers and offer redundant access also via remote service
- **SU Cluster**
Live Migration enables non-disruptive movement of BS2000 guest systems between Server Units (SU)
- **Storage Cluster**
Data access between mirrored storage systems can be switched non-disruptively and transparent for SE Servers



The **SE/HA Monitoring Service** enables the implementation of a monitoring and managed automation system for BS2000 SE infrastructures for the targeted monitoring of selected hardware components, virtual machines and applications.



The role of Cluster and Live Migration

With the Cluster concept of the SE Infrastructure enables Fujitsu the best possible safeguarding of continuous business processes – namely so wide that downtimes during maintenance are almost completely avoidable and unplanned downtimes are minimized. A Cluster consists of several interconnected SE Servers and forms the foundation for Live Migration. Both Cluster and Live Migration are essential to avoiding downtime.

Contact

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