

Site Services

SMARTTEAM - Multi-site (MUS)

SMARTTEAM V5R18





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SMARTTEAM - Multi-site

To supply a rapid, safe, and easy-to-implement product data management solution, including full data sharing and collaboration, to dispersed team members in distributed organizations. MUS allows company users working in different physical locations to access the same database, share the same resources and files, and work on mutual projects simultaneously. MUS can also maintain data integrity and maintain high performance.

Product overview

SmarTeam Multi-site is an asynchronous replication solution, designed for the distributed environment that enables dispersed team members to collaborate efficiently on product data. Maintaining data integrity and high performance at all sites, SmarTeam Multi-site allows company users working in different physical locations to access the same database, share the same resources and files, and work on mutual projects.

- ❑ Users in different physical locations access the same database, share the same resources and files, and work on mutual projects
- ❑ The data is identical for all: all modifications are propagated to all sites
- ❑ Simultaneous, independent work: users continue to work at each site, regardless of the network connection between them

SmarTeam provides two levels of multi-site collaboration:

- ❑ the full Multi-Site solution, which enables replication of metadata (database and vault data)
- ❑ Multi-site Vault solution, a subset of the full Multi-site solution, which enables vault replication only and requires working with a central database for managing SmarTeam metadata.

Product Highlights

- ❑ Full data sharing and collaboration among dispersed company locations and team members
- ❑ A unique, distributed and asynchronous replication solution for reduced network over the WAN
- ❑ Asynchronous replication and synchronization of data deltas to increase independence
- ❑ Local availability of data originated in remote locations for quicker turn-around and overall performance; supports of files stored in Vault directories across for faster and easier access to file repository on all locations
- ❑ Reliable mechanism for up-to-date maintenance of data integrity
- ❑ Built-in security measures for file replication, and full support of organizational security measures for database synchronization
- ❑ Sharing the benefits of ENOVIA SmarTeam across the entire organization
- ❑ Built-in rules to avoid and resolve conflicts

Product Key Customers Benefits

- ❑ Short implementation cycle
- ❑ Environment that is transparent to ENOVIA SmarTeam users
- ❑ Reliable, up-to-date data
- ❑ Increased enterprise productivity, through global work environment with local feel and identical data at all sites

- ❑ Ability of users to work independently and continuously at each site regardless of the network connection between sites for turnaround time
- ❑ Local availability of data on LAN increases overall throughput
- ❑ Increased end-user productivity, due to transparent environment
- ❑ Reduced network bottlenecks, due to traffic-reducing replication approach
- ❑ Reduced network maintenance increases ROI

Existing WAN-based synchronous replication solutions, which require having all sites online at all times, have proven extremely inefficient: System intervention is commonly required for user authentication, maintaining site security, and data encryption; Bandwidths are not large enough to cope with the large volumes of transfer, resulting in costly slowing of the product lifecycle; and most importantly, a single WAN connection failure at one site paralyzes all other sites in the network.

SmarTeam Multi-site overcomes all these challenges, providing immediate ROI and dramatically speeding time-to-market. SmarTeam Multi-site leverages Oracle replication and synchronization capabilities to enable work on the same database from different physical locations, without the need to maintain a steady, open connection between them. The database from the original site is copied to each of the sites where the data is to be shared. Periodic synchronization of the databases ensures all of them are identical, thus maintaining data integrity.

SmarTeam Multi-site supports replication and synchronization of files that are stored in vaults. When replication takes place, files are encrypted and compressed automatically, and are decompressed when reaching their destination, reducing traffic over the WAN to speed up productivity and design time, and providing local access to files originated in remote locations.

ABOUT SMARTEAM V5R18

SMARTEAM manages and leverages corporate product knowledge and links it with business processes.

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