

Interstage® Shunsaku Data Manager™

Interstage® Shunsaku Data Manager™ is the data integration solution that we have all been waiting for. Years of research have culminated in Interstage Shunsaku Data Manager's adoption of grid-like architecture to provide a single, efficient and simple to use data storage and access solution for all your XML data. The power and flexibility provided by Interstage Shunsaku Data Manager is made available without the usual setup and management overheads of traditional integration solutions. Interstage Shunsaku Data Manager is the ideal solution for problems of consolidating data from multiple sources, of multiple formats and for multiple uses. Where growth and change in data is expected but not predictable, Interstage Shunsaku Data Manager is the ideal solution.

Features

Minimal Schema Restrictions

Traditional solution design requires the data structure definition to be known or defined beforehand. Any change in this underlying data structure would warrant a design change resulting in significant effort, cost and delay to cope with the change. With Interstage Shunsaku Data Manager, as long as the data is well formed XML – all open tags are closed properly – it can be put to use instantly. There also is no effort or work required to be done on or with Interstage Shunsaku Data Manager to cater to the change.

Search, Sort and Aggregate

Interstage Shunsaku Data Manager provides flexibility in data access with the provision of sorting and aggregation of the retrieved data. Full text as well as context-sensitive, meta-data based search of the data is handled seamlessly by Interstage Shunsaku Data Manager. Commonly used aggregations and complex combinations of search conditions allow the results to be tailored as required.

Data Integrity

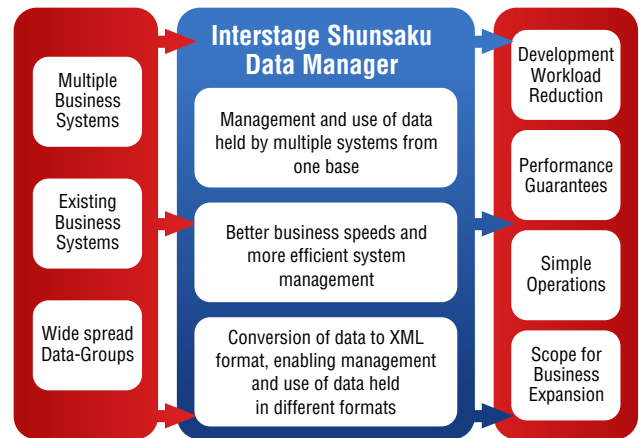
Transaction control aspect of Interstage Shunsaku Data Manager ensures that data integrity is preserved during all operations. Backup and rollback support provide the necessary additional mechanisms to ensure the integrity of mission critical data.

Application Programming Interface

All the power of Interstage Shunsaku Data Manager can be harnessed through a simple and small, yet extremely powerful interface. The interface is architected to leverage well established paradigms of program design and development.

Automatic Failover and Recovery

Components of Interstage Shunsaku Data Manager are built with preparedness to cater for hardware failures. The



recovery process that is necessary to be executed following a hardware failure is triggered automatically and transparently within the components of Interstage Shunsaku Data Manager.

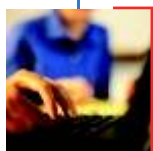
Benefits

Data – As Is

The minimal schema restrictions on the data stored and retrieved through Interstage Shunsaku Data Manager allow for data to be used “AS IS”. Data, both new and old, is thus instantly available for consumption with no recycling of the components or the system and no changes in operations. Unplanned, unforeseen changes in data no longer pose a problem to be dealt with.

Stable, Configurable Performance

System performance is a factor of data volume and access loads. The architecture of Interstage Shunsaku Data Manager provides an unparalleled and unique flexibility in designing the system for a required performance or to envisage performance impact for variations in the parameters and cater for such impacts. System performance remains consistent even when the parameters change within a large range.



Rapid Development and Deployment

Interstage Shunsaku Data Manager's simple API and the use of XPath like expressions for querying allow for information retrieval solutions to be built in no time. Coupled with the support of failover, automatic error detection and recovery and minimal configuration parameters, Interstage Shunsaku Data Manager can be deployed and be operational with ease akin to plug and play.

Extremely Scalable

Interstage Shunsaku Data Manager's architecture requires no modifications or tuning based on the size of the deployment. The design considerations to be made remain the same for small, medium, large or super large configurations causing minimal impact on system architecture and design. Improving performance or catering for large data volume is achieved with the simple provision of additional hardware – without ceasing operations.

24x7 Operations

Interstage Shunsaku Data Manager's capability to detect and automatically recover from failures provides for true 24x7 operation. The recovery process eliminates the failed components from future operations continuing on-going smooth processing of requests. The system automatically caters for addition and removal of hardware without stopping operations or recycling servers.

Key Components

Searcher

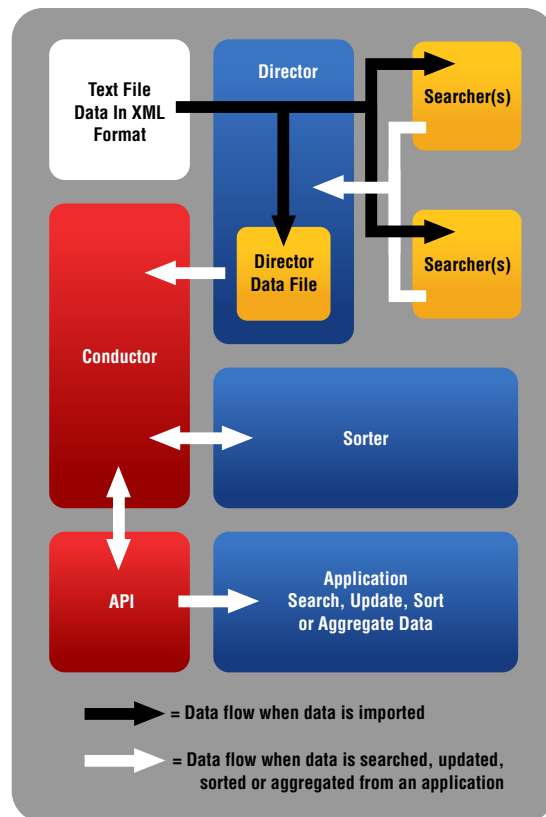
True to its name, the Searcher executes the user provided search criteria on the data and identifies the matching data. Multiple searchers operate in parallel to realize improved performance and scalability. Searchers can be added or removed dynamically and independently to cater for changes in access load and/or data volume.

Director

Director functions as a facilitator, managing the distribution and consolidation of data, searches and results to and from the Searcher(s). The Director also plays an integral part in realizing the automatic failure detection and recovery processes.

Sorter

Sorter receives results for the search requests and performs the required sorting and aggregation. The search results are



first passed onto the Director from the Searcher(s) and then passed on to the Sorter for the required sorting and aggregating.

Conductor (optional)

Using Conductor, Interstage Shunsaku Data Manager provides applications with the ability to distribute searches across multiple Directors. When the optional Conductor is in use, searches from applications and the results thereof are routed by and through the Conductor.

System Requirements

Supported Operating Systems

Microsoft Windows 2000 Server
Microsoft Windows 2000 Advanced Server
Microsoft Windows 2003 Server, Standard Edition
Microsoft Windows 2003 Server, Advanced Edition



THE POSSIBILITIES ARE INFINITE



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