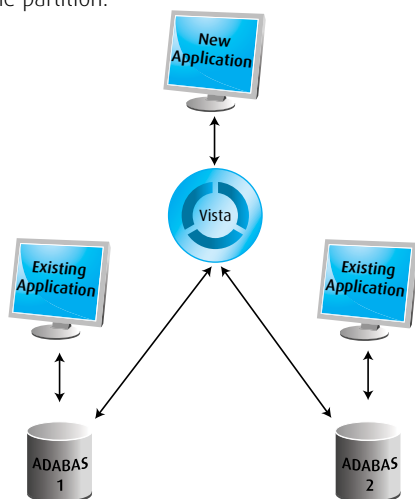


Adabas Vista

INTELLIGENT DATA MANAGEMENT THROUGH TRANSPARENT PARTITIONING

With Adabas Vista, you can divide a large volume of data across many files to simplify maintenance, increase availability and store data where it's needed the most.

The original file is partitioned according to the values of a specific Adabas field – the partitioning field. The resulting group of physical files continues to be viewed as a single logical entity. In other words, partitions are transparent to end users. Partitioning does not lead to data duplication: each record is stored in only one partition.



You can partition data according to your needs in a way that does not affect existing applications.

Using Adabas Vista, you can:

- Define logical views based on partitions, which can be within a single database, or distributed across multiple databases and/or across a network of computers
- Tolerate outage of one or more partitions, maintaining the availability of the remaining partitions
- Control user access at partition level
- Support Adabas calls from Natural or a 3GL

KEY FEATURES

• **Focused and distributed access** – In many applications there is a dominant key field in the majority of search criteria for most access operations. This key field makes an ideal partitioning field. Queries based on this key are addressed to only one of the partitions. This is called focused access. If this is not the case, the query is sent to all partitions and Adabas Vista collates the results. This is known as distributed access.

• **Partition outage facility** – This facility lets you take one or more partitions offline while applications continue accessing the remaining partitions. It is possible to make an application

sensitive to partition outage, so that users who only need to access unaffected partitions can continue to work normally.

• **Restricted partition facility** – It is possible to restrict the usage of partitions according to end user roles. End user access rights for a partition can be none, read or read/write.

• **Partition maintenance** – Each partition is a separate Adabas file. You can perform utility operations on Adabas files individually and in parallel, reducing the time needed to process the whole logical entity.

• **Mixed mode access** – Although partitions are transparent to users, applications can access a specific file partition via its real file number in parallel with view-based access via Vista. This situation is referred to as “mixed mode access.”

• **Consolidation** – The physical file layouts for the files in each partition do not have to be identical provided that the views of data employed by Adabas Vista are identical. That means you can define a common (Vista) view of disparate files and access them as if they were a single entity.

- **File translation** – An additional Adabas Vista feature is support for dynamic runtime modification of Adabas file numbers. In some installations, the test environment and the production environment use different file numbers, so an application has to be modified when it is taken into production. This is something that auditors tend to dislike, and it can be avoided with Adabas Vista.

YOUR BENEFITS

- **Reduced maintenance costs** – Applications do not have to be modified to benefit from partitioning.
- **Greater flexibility** – Data can be restructured and relocated easily.
- **Increased availability** – Individual partitions can be taken offline, while the others remain available.
- **Faster access to data** – Queries are dynamically directed to a single partition, where appropriate.

PRACTICAL APPLICATIONS

Physical separation of logically integrated data can be used to solve several problems, such as:

- **Archiving** – In most countries, there is a legal requirement to store business data for up to seven years. Separating old from current data by extracting the respective records from a database is complicated and time-consuming. With Adabas Vista, archiving becomes much easier to manage. A new partition can be created for each new time period, older data can be restored to cheap storage media, and all partitions continue to be accessible to applications. In addition, using the restricted partition facility, access to partitions containing archived data can be restricted to those employees who really need it.
- **Separation by geographical location** – Adabas Vista also allows you to separate data according to region or country. For example, U.S. customer data can be stored locally for fast

access by U.S. branches, while data on German customers is stored at the company's German headquarters. This does not affect the ability to generate reports on the activities of the company as a whole.

- **Data consolidation** – Following a merger between two companies, it is often expedient to consolidate data. Adabas Vista facilitates this consolidation, allowing you to impose a single file image upon previously unrelated files, as long as the view is limited to fields common to both files. Thanks to mixed-mode access, existing applications can continue to use original files as before, protecting investment in legacy systems. New applications using Adabas Vista can work with consolidated views appropriate to the new merged organization.
- **Multiple client support** – Service companies typically have several clients, and are required to hold the data for each client separately, even though the data model is exactly the same for each. Adabas Vista offers an elegant and efficient solution to this problem with its "restricted partition" and "partition outage" facilities. A service company can employ a single application and data model for multiple clients, using Adabas Vista to separate the data by means of partitions.
- **Very large files** – Adabas Vista makes it much easier to manage extremely large data volumes and allows you to spread processing load by partitioning large files across multiple databases. And whenever a partition grows excessively large, it can easily be split into two or more new ones. Partitions do not have to be located in the same Adabas database. They can be distributed across multiple databases on a computer network. This means that you can take advantage of multiple CPUs to process data even if you do not wish to migrate to the multiprocessor version of Adabas.

GET THERE FASTER WITH ADABAS VISTA

Achieve your data management goals faster with Adabas Vista, one more way Software AG helps you speed access to data while increasing availability.

SOFTWARE AG COMMUNITIES

Software AG's Developer Communities include an Adabas Community to keep you connected to Adabas users and experts around the world. By registering for the Adabas Community, you can participate in discussion forums that enable you to exchange best practices, enhance productivity and improve your technical skills. Registered members can also subscribe to the TECHniques newsletter, which offers technical tips and tricks. Membership to the Developer Community is FREE. For more information, please visit: <http://developer.softwareag.com>

WORLDWIDE USER GROUPS

Our strong network of worldwide user groups also helps build Adabas and Natural skills. Through a local user group, you can exchange ideas and discuss technology issues, experiences and concerns. Many groups offer classes that provide product hints and tips. Through ServLine24, regional meetings and annual International Conferences, user group members have access to a broad product knowledge base. To learn more, please visit: www.softwareag.com/corporate/community/usergroup

To find the Software AG office nearest you, please visit: www.softwareag.com

ABOUT SOFTWARE AG

Software AG is the world's largest independent provider of Business Infrastructure Software. Our 4,000 global enterprise customers achieve business results faster by modernizing, integrating and automating their IT systems and processes. As a result, they rapidly build measurable business value and meet changing business demands. Based on our solutions, organizations are able to liberate and govern their data, systems, applications, processes and services – achieving new levels of business flexibility.

Our leading product portfolio includes solutions for high performance data management, developing and modernizing applications, enabling service oriented architecture, and improving business processes. By combining our technology with industry expertise and best practices experience, our customers improve and differentiate their businesses – faster.

Software AG – Get There Faster.™

© 2008 Software AG. All rights reserved. Software AG and all Software AG products are either trademarks or registered trademarks of Software AG. Other product and company names mentioned herein may be the trademarks of their respective owners.