

Teradata Backup Archive Restore

Protect your data from day-to-day threats and unthinkable disasters

No business can really afford to lose access to its data. After all, in today's economy success depends on the business intelligence you glean from that data. And in many industries, regulators demand that you safely store and retain massive data volumes for extended time periods.

Unfortunately, data is constantly at risk, threatened by everything from user errors to software or hardware failures through natural disasters and terrorist attacks. Yet few organizations have the internal resources or expertise to set up a robust, high performance backup archive restore (BAR) system.



That's why Teradata's dedicated BAR team has created an expert solution that meets the needs of both your company and your Teradata environment. Teradata's cost-effective BAR solutions are optimized for your system, reducing both your backup and recovery time and ultimately lowering support costs. This frees you to focus on

what you do best: producing the business intelligence your company needs in order to succeed.

A One-Stop Shop

Teradata® BAR solution consists of products and services that provide everything required for optimal data protection in the Teradata environment. There is no need to waste time and resources hunting for and piecing together a less complete solution.

Using best-in-class components from industry leading vendors, our solutions include BAR management software, tape libraries, disk back-up systems, and data encryption that we have fully certified for seamless operation with Teradata systems. From the service side, our expert team uses proven processes to plan and implement the solution, tailored to your particular environment, recovery point objective (RPO), and recovery time objective (RTO). The Teradata BAR integrated solution is available in one of three tiers:

- > **Teradata's Advocated BAR solution** is for systems that require rapid recoverability in scalable, high-availability environments. The Advocated Solution leverages all current Teradata products to achieve simplest design and install. This optimally configured, best practice, end-to-end solution delivers the best ROI for a BAR environment.
- > **Teradata's Certified BAR solution** leverages Teradata products of multiple

technology generations and adapts Teradata BAR to the unique needs of customers. This would include, for instance, larger data warehouses that demand a lower or higher system to backup medium ratio for special needs. A Certified solution requires more complex services for design and install.

- > **Teradata Enterprise Fit BAR solution** adapts BAR to customer environments that contain complex combinations of Teradata and non-Teradata components. Due to the infinite possibilities of configurations and vendors, not all solutions have been tested or optimized by Teradata BAR engineers; therefore, the Enterprise Fit requires expert planning and customized installation services.

For all three solutions, our BAR Framework architecture, based on dedicated BAR Servers has numerous advantages, including:

- > **Performance:** The operation of our BAR solution is isolated from the Teradata processing nodes, use of BAR does not impact the performance of your Teradata system.
- > **Expandability:** The Teradata BAR Framework environment is the required platform for new BAR technologies, such as encryption and disk-based backup.
- > **Compatibility:** Our BAR servers can attach to more than one Teradata system and several are available for offline copy.

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A Systematic Approach

Teradata BAR Implementation service is part of our holistic approach to system availability and maximum data protection, known as the Availability Management Services portfolio. This approach revolves around seven controllable real-world IT assets that can be budgeted, selected, administered and supervised to support system availability and manage the impacts of risk events.

The BAR Implementation service is in the recoverability asset of this portfolio, designed to help you:

- > Rapidly recover with maximum data integrity
- > Meet disaster recovery requirements
- > Reduce operator errors through an automated back-up process
- > Synchronize data between multiple sites/systems
- > Work effectively with your BAR solution

Expert Implementation Services

Powerful technology, however, is not enough. Implementation requires specialized education and experience and Teradata has a team of BAR professionals who have been trained specifically on Teradata systems. Their experience and training minimize time and money spent, as well as the data protection risks that are inherent in an ill-conceived BAR

implementation. In most cases, the implementation comes at a fraction of the cost it would take to develop this expertise and do the implementation yourself.

The implementation service is available for first-time installations, as well as BAR software upgrades, migrations from one BAR solution to another, and expansions that add nodes or tape drives to an existing implementation. It includes a BAR strategy consultation and hands-on operational training. Typically, within a week of our arrival on-site, we have your new BAR platform fully functional and your staff fully trained. After we leave, we provide 30 days of direct cell phone support to make sure you are up and running properly, before moving into an ongoing support phase.

Our process includes:

- > Service planning that includes an analysis of your business, during which time we work with you to define your data protection requirements
- > Audit of your existing BAR strategy, hardware, software, and processes
- > Installation of BAR software, including integration of Teradata with BAR solutions and a custom configuration tuned to your Teradata system
- > Testing the BAR technology on Teradata
- > Tuning and optimization of the data throughput

- > Training of your staff so you are immediately productive with your BAR solution

In short, we view this as a partnership, in which we share an equal investment in protecting one of your most valuable assets: information.

Valuable Insurance

No company wants to think about a disaster in which vital data is lost for a critical period of time. Yet given the constancy of data threats, planning for a disaster with an optimized BAR solution is a business essential.

With your Teradata BAR implementation, you have valuable and cost-effective insurance that delivers:

- > Protection from data loss and improved accessibility of protected data
- > Fast, cost-effective, and low-risk implementation
- > The most cost-effective way to back up, archive and recover critical data
- > Confidence that the data your company depends on is protected
- > Fully optimized system and performance

For More Information

To find out more about how Teradata BAR can help you protect and recover your data and help grow your business contact your local Teradata representative or visit Teradata.com.