Veritas NetBackup

Next-Generation Data Protection for Teradata Solutions

As an established market leader in enterprise backup and recovery, Veritas NetBackup™ provides unparalleled data protection for enterprise backup and recovery environments. Minimize cost and complexity by implementing a unified data protection solution that provides desktop, remote office, and data center protection across your entire enterprise. NetBackup delivers centralized, simplified real-time management to help organizations manage all aspects of backup and recovery, including disk- and tape-based data protection (See Figure 1). It unlocks the power of disk to help make backup and recovery faster, more reliable, and more secure than ever. Service level

agreement commitments can be met by using storage lifecycle policies to create storage tiers and automatically move backup data through its lifecycle. To help ensure data is secure before it is taken offsite for long-term storage, NetBackup offers a wide variety of authorization and access controls.

Veritas NetBackup Highlights

End-to-end data protection – Data protection for all environments from desktop to data center.

Centralized management – Increase efficiencies by managing all data protection technologies and multiple NetBackup servers from one location.

Disk-based data protection – In addition to classic tape offerings, NetBackup delivers the ultimate in flexibility and choice by allowing disk to be used for data protection in any Teradata system architecture. Although Teradata recommends a separate NetBackup Master Server for total end-to-end Teradata support, you may want a common Master Server for administrative purposes for both Teradata and non-Teradata environments. These situations are jointly supported by Symantec and Teradata Corporation.

Data security – Help ensure the identity of those who access your data and their access levels.

Virtually unlimited scalability – Benefit from a flexible, three-tiered architecture that scales with the needs of today's growing data center.

Real-time, Centralized Management of Global Data Protection Operations

Effective data management and analysis tools are required to address the proliferation of data in today's computing environments. Monitoring and managing this growth is becoming more complex and should be an integral part of any backup application. NetBackup Operations Manager (NOM) is the advanced, easy-to-use, Web-based graphical user interface (GUI) for NetBackup that provides administrators with real-time operational monitoring, management,
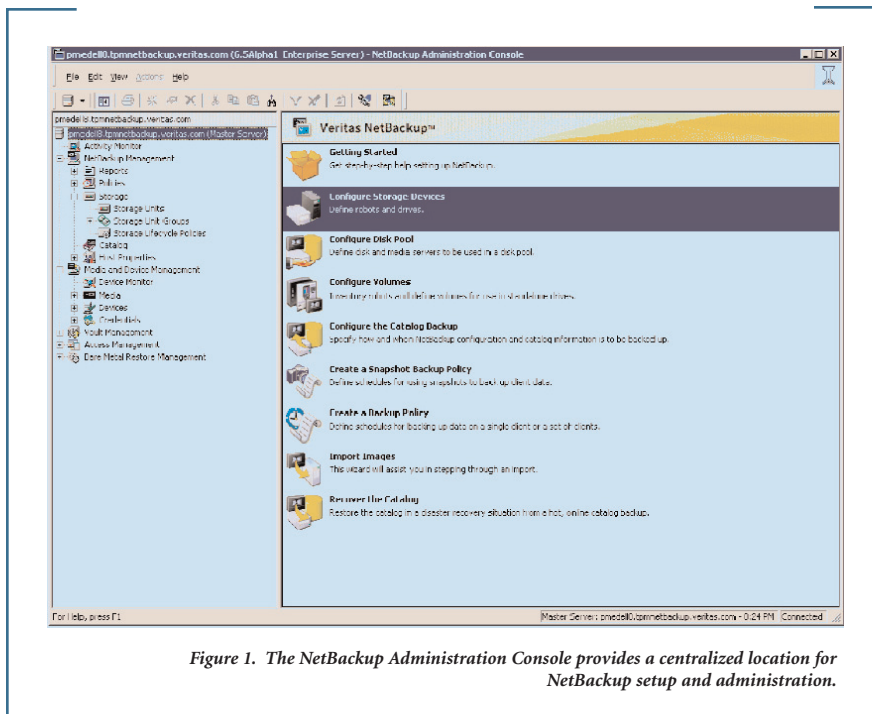

Figure 1. The NetBackup Administration Console provides a centralized location for NetBackup setup and administration.

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troubleshooting, and alerting across multiple NetBackup domains. Key highlights include:

> Policy-based alerts aid administrators with the proactive updating of critical events and allow for a health check of NetBackup server status 24 hours per day, seven days per week.

> Point-and-click operational reports support day-to-day operations.

> Comprehensive data management and reporting solution when used in conjunction with Veritas Backup Reporter.

Changing the Data Protection Landscape with Disk

While tape continues to be a key part of backup and recovery operations, disk has become the technology of choice to achieve better recovery point objectives and recovery time objectives. NetBackup enhances disk-based data protection by unlocking the full potential of disk to make backup and recovery faster, more reliable, and more secure. It allows you to centralize the administration of any type of disk – whether direct attached storage (DAS) or a virtual tape library – at any location. NetBackup also offers a wide variety of features to fully leverage disk.

With storage lifecycle policies, NetBackup introduces a new paradigm for data protection management by allowing protection service levels to be defined so
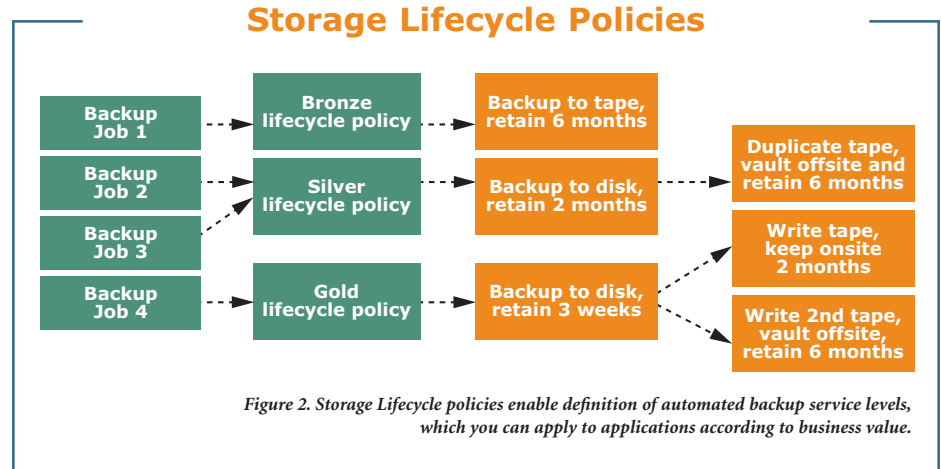

Storage Lifecycle Policies

Figure 2. Storage Lifecycle policies enable definition of automated backup service levels, which you can apply to applications according to business value.

that backup data can be classified based on business value. This allows different types of backup data to be treated uniquely with respect to how they move through the tiered backup infrastructure. With storage lifecycle policies, you can assign tiers of backup service to backup data to help ensure that data is kept on the appropriate media to meet backup windows and recovery objectives. Create service levels such as gold, silver, and bronze, to help ensure data is stored on the right place at the right time and then automatically migrated from disk to tape (See Figure 2).

Disaster Recovery

To help enable disaster recovery operations, the NetBackup Vault Option simplifies tape rotation and creating and managing tape duplicates for offsite vaulting. Vault manages the ejection of tape duplicates and the monitoring of retention periods for offsite media. This facilitates the management of duplicate media created either concurrently with the

primary backup or at a scheduled time, such as during non-production hours.

Teradata Database Interoperability

Veritas NetBackup Enterprise Server has been chosen for the interoperability with Teradata due to its comprehensive solution designed for the data center.

Teradata has developed an Access Module for the purpose of providing integration between the NetBackup operations and Teradata Database operations for managing backups and restores. The Teradata Extension also improves the usability for the NetBackup administrator for Teradata data protection operations. At the same time, it allows the Teradata Database administrator to administer data protection operations without being a NetBackup expert.

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Additional NetBackup Features and Benefits

Management and Reporting

> **Tape volume, drive, and library viewing** – Report on tape utilization, drive configuration, tape logs, tape contents, and more.

> **Operational report for disk** – Report on images on disk, disk logs, and disk storage unit status.

> **Error message identification, categorization, and troubleshooting** – Easily diagnose problems without having to parse transaction logs. Error explanations and recommended actions have been integrated into NetBackup interfaces to further simplify troubleshooting.

Media Management

> **Enterprise Media Manager** – Centralizes and improves the scalability of NetBackup media and device databases.

> **Automatic robotic/tape drive configuration** – Enables you to specify policies for the automatic generation of drive names and automatically configure swapped tape drives. Helps greatly reduce the time required to configure tape devices.
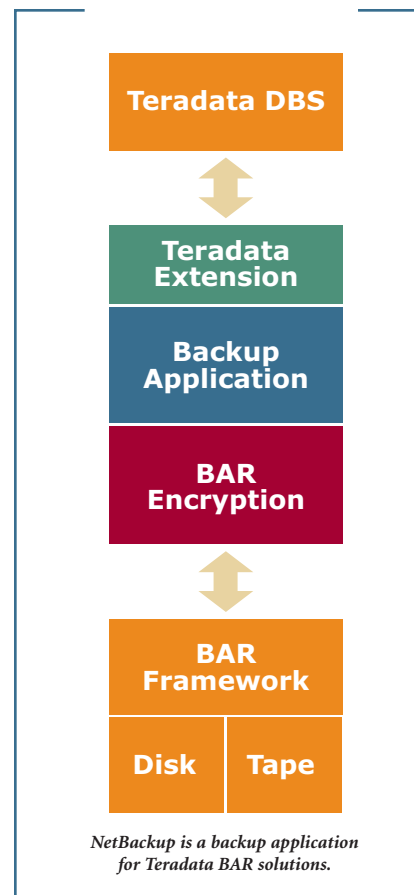
NetBackup Options customize backup and recovery operations:

> Flexible Disk Option (new)

> OpenStorage Disk Option (new)

> Virtual Tape Option

> Shared Storage Option

> Vault Option

About Symantec

Symantec is a global leader in infrastructure software, enabling businesses and consumers to have confidence in a connected world. The company helps customers protect their infrastructure, information, and interactions by delivering software and services that address risks to security, availability, compliance, and performance. Headquartered in Cupertino, Calif., Symantec has operations in 40 countries. More information is available at www.symantec.com.

For more information about Veritas NetBackup, contact your Teradata or Symantec representative or visit **Teradata.com** or Symantec.com.

Teradata DBS

Teradata Extension

Backup Application

BAR Encryption

BAR Framework

Disk | **Tape**

NetBackup is a backup application for Teradata BAR solutions.

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