

ORACLE DATABASE PROTECTION CHALLENGES

Oracle database backup and recovery is an inherently challenging process that becomes more difficult as databases grow and demands on their availability increase, limiting the time available for backup and recovery operations. Many organizations use custom scripts and manual backups to protect their Oracle data. However, these methods do not provide the reliability required by corporate environments or improve the availability of critical systems.

Eliminating the backup overhead on critical production Oracle databases is a requirement for today's online business applications, while ensuring they remain continuously available. Since databases are the foundation for most business applications, it is easy to understand that the slightest performance impact or downtime can result in significant business loss. A complete backup and recovery solution will help companies eliminate downtime, provide additional backup efficiency and simplify recovery for both standard Oracle and Oracle RAC environments.

Today's Oracle database backup and recovery challenges include:

- Administrators require detailed knowledge of Oracle R/MAN syntax to execute backup and recovery operations.
- Oracle RMAN backups are typically performed and managed separately from a larger centralized data protection solution
- When viewing RAC configurations it is not always clear as to which node owns what database at time of the backup operation

SETTING THE STANDARD IN ORACLE DATABASE PROTECTION

The Symantec™ Backup Exec 12.5 Agent for Oracle on Windows and Linux Servers offers non-disruptive data protection for business-critical Oracle 11g, 10g, 9i, and 8i databases. Advanced features such as the granular protection of individual tablespaces or complete application/database backup and the protection of archived redo logs and control files enable companies to protect Oracle-based applications and databases without taking them offline.

Backup Exec 12.5 leverages the capabilities and technologies of Oracle to provide complete protection of the Oracle database components including:

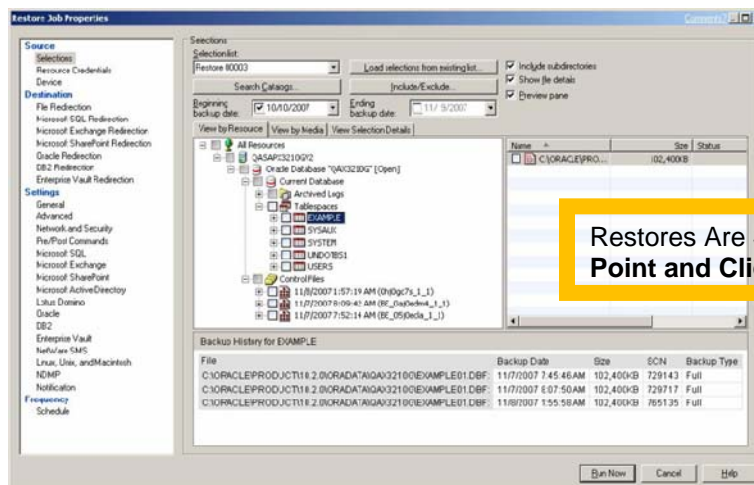
- Integrated RMAN functionality simplifying backup and restore job creation syntax.
- Granular restores of individual tablespaces.
- Improved backup performance via multiple data streams.
- Integrated support for Oracle RAC configurations, offering a single view for RAC environments. (Requires the Agent for Oracle RAC on Windows and Linux Servers.)

Key Benefits

- Supports Oracle 11g, 10g, 9i, 8i databases running on Windows or Linux operating systems (x86 & x64 platforms)
- Offers flexible restore options such as individual tablespace, point in time, or to a specific system change number (SCN)
- Single point of management for all Oracle protection operations

Platform Support

- Microsoft Windows Server 2003 Family (including R2 versions) on x86 and x64 platforms.
- Red Hat EL 4 & 3 (on x86 & x64 platforms)
- SLES 10 & 9 (on x86 & x64 platforms)



FEATURES AND BENEFITS

Automatic RMAN Scripting	When backup selections are made through the Backup Exec UI, detailed RMAN scripts are created by Backup Exec and delivered to RMAN saving the administrator valuable time.
Oracle Agent UI	Backup and recovery selections are simplified when created using the Oracle Agent offering a single point of control to view data sets.
Improved recovery functionality	Backup Exec 12.5's Oracle Agent simplifies both granular data restore and database recovery operations, including individual tablespace and point in time restores.
Works with existing RMAN scripting	Backup Exec 12.5's Oracle Agent will recognize and permit the use of existing RMAN scripts to reduce time-consuming scripting operations.
Oracle RAC Support	Backup Exec 12.5 fully supports Oracle RAC environments increasing database availability and recoverability with the Oracle RAC Agent on Windows and Linux Servers. (RAC support requires the purchase of an additional Agent component.)

BACKUP EXEC ORACLE AGENT LICENSING

The Backup Exec 12.5 Agent for Oracle or Oracle RAC is licensed per Oracle server. Backup Exec 12.5 for Windows Servers is designed to accommodate the needs of Windows-based environments of all sizes– whether it's a single Windows Server or a large, multi-Domain Windows enterprise including multiple remote Linux and UNIX servers. The Backup Exec 12.5 Windows Server portfolio provides a wide array of high powered Agents and Options which are licensed on a per-Server or per-Storage device for added scalability, supporting all Windows 2000, 2003 and 2008 environments, physical or virtual servers, and unlimited processors on the system.

Scenarios	Customer Environment	Licensing
Protecting multiple Oracle Database Servers on Windows and Linux	Five Windows Servers Two Linux Servers One Unix Server	Qty:1 of Backup Exec 12.5 for Windows Server license Qty:7 of Backup Exec 12.5 Agent for Oracle on Windows and Linux Servers Qty:1 Remote Agent for Linux or UNIX Servers*Note- Oracle RAC installations require the Agent for Oracle RAC on Windows and Linux Servers

INTEGRATED DATA PROTECTION

Symantec Backup Exec 12.5 for Windows Servers can be expanded to protect additional remote systems and applications through the purchase additional Agents and Options which enable administrators to design and easily implement a comprehensive data and system protection solution for any Windows server environment. Other Backup Exec 12.5 agents & options that compliment the Backup Exec Oracle Agent include:

• Agent for Oracle RAC	• Remote Media Agent for Linux	• Central Admin Server Option
• Agent for SAP Applications	• SAN Shared Storage Option	• Remote Agent for Linux and Unix Servers

FOR MORE INFORMATION

Symantec Enterprise Sales Support: 800-745-6054
Backup Exec on the Symantec Web Site : <http://www.backupexec.com>