

# LiteSpeed® Engine

## for Oracle

### Advanced Compression and Encryption for Oracle RMAN Backups

As organizations face explosive data growth, the need for more storage and the time required for backup can impact IT budgets. And when data is lost, it must be restored as quickly as possible to avoid liability exposure, lost revenue and lost productivity. But doing so can be a complex challenge.

For years, Quest Software has provided the SQL Server market with LiteSpeed—a high-performance backup compression technology that reduces storage costs and backup windows by up to 90%. With Quest’s LiteSpeed® Engine for Oracle, these same benefits are available for the Oracle platform.

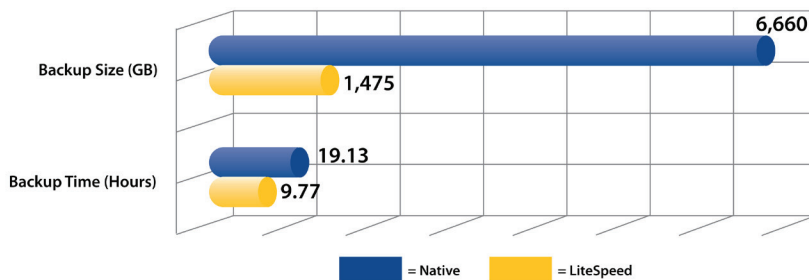
Tailored to the needs of Oracle DBAs, LiteSpeed Engine for Oracle integrates seamlessly into RMAN and Export backup strategies. Plus, this robust solution supports Oracle’s Media Manager architecture. Its simple and flexible configuration design can maximize effectiveness and minimize deployment overhead.

*“LiteSpeed for backup and recovery on both platforms,” said Tom Sager, DBA manager, E.ON US. “Using LiteSpeed Engine for Oracle, we achieved phenomenal results—81 percent reduced storage and vastly increased efficiency in our backup and recovery operations on Oracle.”*

— Tom Sager,  
DBA Manager,  
E.ON US

- Decreases backup size up to 90%
- Reduces backup time by up to 50%
- Reduces restore times by up to 50%
- Provides four different levels of encryption (up to 256 AES)
- Integrates seamlessly with Oracle Recovery Manager (RMAN)
- Integrates directly with Tivoli Storage Manager (TSM)
- Integrates transparently with Symantec NetBackup

### Space and Time Savings with LiteSpeed Engine for Oracle



*Impact of data compression on backup size and backup time—LiteSpeed Engine for Oracle versus native Oracle RMAN backup.*

## LiteSpeed Engine for Oracle Advanced Features:

**Encryption options:** Offers four different levels of encryption (up to 256 AES).

**Seamless integration with RMAN:** Integrates with RMAN via Oracle's Media Manager interface; RMAN writes data through this interface, and LiteSpeed Engine for Oracle then compresses and/or encrypts the data on the fly—as each chunk of data is compressed, it is written to a target for storage.

**EXP/IMP:** Integrates with EXP through a front-end, which creates an operating system pipe; EXP then writes to the pipe and LiteSpeed Engine for Oracle reads from the pipe, compresses the data on-the-fly and writes it to the target file.

**Transparent Integration with Symantec NetBackup:** Backs up and restores data on-the-fly (through locally resident NetBackup client programs) to a Symantec NetBackup Platform for Oracle systems running on Unix.

**Direct Integration with TSM:** Requires only the TSM API for integration; LiteSpeed configures itself to write to the TSM API when DBAs use Tivoli and users can also configure TSM management classes for use with LiteSpeed (but it is not required).

**Hot/Cold Backups:** Copies and compresses any file on the operating system using LiteSpeed's commandline interface; rather than using a generic copy command, users would use the LiteSpeed's copy command—so that compression occurs during the file copy.

## About Quest Software, Inc.

Now more than ever, organizations need to work smart and improve efficiency. Quest Software creates and supports smart systems management products—helping our customers solve everyday IT challenges faster and easier. Visit [www.quest.com](http://www.quest.com) for more information.

## SYSTEM REQUIREMENTS

### Operating System Support:

- Linux RedHat ES 3, 4 or SUSE LE 9, 10 Linux Intel 32 or 64-bit
- Solaris Sun Solaris 9, 10 on SPARC
- IBM AIX 5.3 and above
- HP-UX 11.11 and 11.23 on PA-RISC and Itanium

### Symantec NetBackup Support:

- v4.5 or greater

### Database Server:

- Oracle 9i, 10g, 11g



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