LiteSpeed™ for SQL Server

The fastest, most flexible SQL Server backup and recovery solution on the market

Experience unprecedented capabilities in backup compression, speed, control and management — and say goodbye to frustratingly slow backup and recovery jobs. With LiteSpeed™ for SQL Server, you can greatly reduce backup times and storage costs with smaller, more intelligently managed backups.
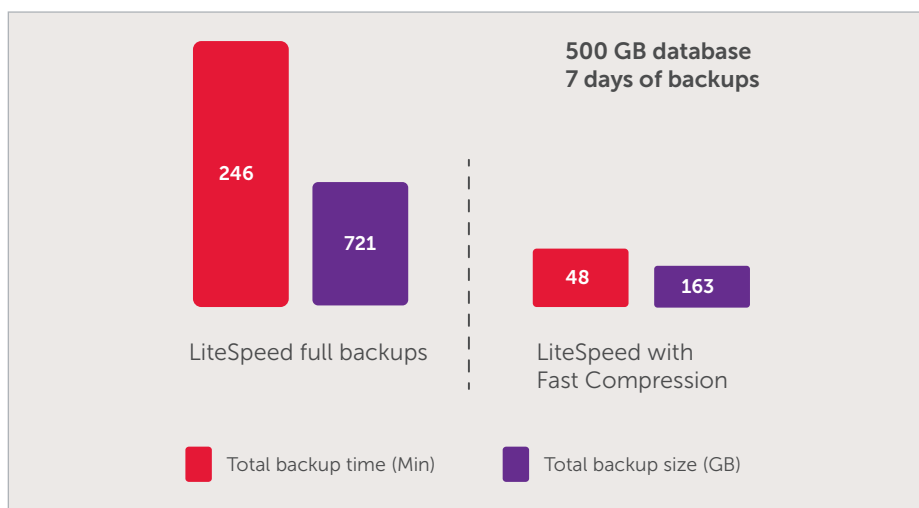
The Fast Compression technology in LiteSpeed reduces the database backup footprint up to 85 percent more than traditional solutions. By deduplicating, compressing and validating, LiteSpeed ensures backups are small, run fast and can be recovered quickly and efficiently. LiteSpeed provides an enterprise view of the backup and recovery environment through an intuitive interface, scripting commands via

T-SQL or a fully functional command line API. It simplifies enterprise installation and job management through its remote installation and backup template technologies.

LiteSpeed's Adaptive Compression feature maintains optimal backup performance while ensuring backups never interfere with normal server operation. Advanced Object-Level Recovery and Transaction Log Reader features allow you to query backup files, recover lost data and objects, and reverse transactions to undo critical changes — without the need to restore an entire database. This allows faster recovery from potentially disastrous changes.

Benefits:
- Compresses backups up to 85 percent more than competing solutions
- Creates small, fast and managed backups with our patented Fast Compression technology
- Uses Adaptive Compression to continually monitor backups and adjust compression for optimal performance
- Simplifies enterprise backup deployment and management with customized Backup Templates
- Supports direct backups and restores to Amazon S3
- Provides automatic recovery from I/O issues during backup and restore operations
- Recovers data and object information from backup files to reduce database downtime
- Secures data with advanced 256-bit AES encryption
- Creates portable backup files that allow database restores without requiring LiteSpeed to improve disaster recovery time
- Attaches external files to backups, providing complete backup coverage of all database relevant data and documentation
- Automates log shipping setup and monitoring for disaster recovery
- Provides an automated way to restore backups to refresh a secondary environment, perform restore testing and check database integrity

**500 GB database
7 days of backups**

246

721

48

163

LiteSpeed full backups

LiteSpeed with
Fast Compression

■ Total backup time (Min)   ■ Total backup size (GB)

LiteSpeed with Fast Compression significantly reduces backup time and size.

System requirements

Operating systems:

Windows 8/8.1

Windows 7

Windows Server 2012/R2

Windows Server 2008/R2

Windows Vista

Windows Server 2003/R2

Windows XP

Windows 2000 (Service Pack 4)

Database Server:

SQL Server 2014

SQL Server 2012

SQL Server 2008/2008 R2

SQL Server 2005

SQL Server 2000

32-bit, 64-bit and Itanium SQL Server

Tivoli Storage Manager (TSM) version 5.3 or later

Features and Benefits

- **Advanced Data Compression** — Compress data using Adaptive Compression or one of eight compression levels to accommodate all database and server requirements
- **Fast Compression** — Achieve significant reductions in backup size and time with the highest degree of recoverability
- **Cloud Backup** — Back up and restore directly to Amazon S3
- **Restore as Compressed** — Restore a LiteSpeed backup as a compressed, read-only database to save valuable disk space
- **SQL Server AlwaysOn Availability Groups** — Easily back up the databases on the preferred instances in SQL Server AlwaysOn Availability Groups
- **Backup Templates** — Design backup strategies and easily deploy them to multiple instances as jobs or maintenance plans
- **Network Resilience** — Recover automatically from I/O problems during backup and restore operations
- **SmartCleanup** — Remove backups from disk, TSM and cloud with customized retention parameters without disrupting backup integrity
- **Object-Level Recovery** — Restore individual objects and query backup files without doing a database restore
- **Automated Restore** — Easily restore the most recent backups of multiple databases on any instance and check database integrity
- **Transaction Log Reader** — Roll back transactions to recover data and objects from operations that would otherwise adversely affect the database
- **Centralized Reporting** — Track all backup activity for easy DBA review by using the comprehensive reporting option

- **Intuitive Log Shipping Monitor** — Configure and monitor log shipping plans and latency alerting; add/remove subscribers on demand
- **Robust Encryption** — Secure data with nine levels of encryption, up to AES 256-bit, without impacting performance
- **Double-Click Restore** — Create portable database backup files that you can restore simply by double-clicking on the file
- **File Attachments** — Attach externally stored files and folders as a part of any LiteSpeed backup
- **IBM Tivoli Storage Manager (TSM) Integration** — Integrate directly with IBM's Tivoli Storage Manager
- **Backup Analyzer** — Test compression levels and backup locations to determine optimal backup settings and identify bottlenecks
- **Job Manager** — View and manage jobs from multiple instances using grid or calendar-style views
- **Re-Execute Failed Backups** — Easily re-run a failed backup right from the LiteSpeed console

About Dell Software

Dell Software helps customers unlock greater potential through the power of technology—delivering scalable, affordable and simple-to-use solutions that simplify IT and mitigate risk. This software, when combined with Dell hardware and services, drives unmatched efficiency and productivity to accelerate business results. www.dellsoftware.com.