

# Log Shipping Backup CLI Commands

SQL Safe provides you with CLI commands to help you manually perform a log shipping primary backup.

To perform LogShipBackup operations use the following command:

- SQLsafeCmd LogShipBackup [options]

Where the required [options] are:

Options	Descriptions
-BackupLocation <path>	<path> - the network path where backups will be stored.
-DatabaseName <name>	<name> - name of the primary database.

## Common Options

The following options help you perform LogShipBackup operations:

Options	Descriptions
-BckDstType <type>	The backup destination type is used for the backup.  <type> - {0, 1, 2, 3, 4}.
- CompressionLevel <level>	The compression level used for the backup.  <level> - {ispeed, isize, 0, 1, 2, 3, 4}.  Note: if the compression level is not specified, ispeed is the default.
-EncryptionType <type>	The type of encryption used to encrypt the backup.  <type> - {AES128, AES256}.
- EncryptedBackupPassword <pwd>	<pwd> - the encrypted password used to encrypt the backup. (Used with EncryptionType).

<p>-Delete &lt;n&gt;&lt;time_period&gt;</p>	<p>After a backup successfully completes, delete archives that are older than the specified amount of time.</p> <p>&lt;n&gt; - amount of time.</p> <p>&lt;time_period&gt; - {minutes, hours, days, weeks, months}.</p> <p>There must be NO SPACE between &lt;n&gt; and &lt;time_period&gt;.</p> <p>E.g., -delete 2hours.</p> <p>Note: if you use the space between &lt;n&gt; and &lt;time_period&gt;, the backup archive filename will be automatically generated with the following pattern:</p> <p>&lt;instancename&gt;_&lt;databasename&gt;_&lt;backuptype&gt;_&lt;timestamp&gt;.safe</p> <p>where the &lt;timestamp&gt; is in UTC time and in the form of YYYYMMDDHHMM.</p>
<p>-InstanceName &lt;name&gt;</p>	<p>&lt;name&gt; - SQL server instance name.</p> <p>Note: it is not required if the instance is set as a default on the target server.</p>

## Security Options

Secure your LogShipBackup operations with the following options:

Options	Description
-NoPrompt	Never prompt for credentials even if necessary.
-SecurityModel <model>	<p>The security model used to log into SQL Server.</p> <p>&lt;model&gt; - {Integrated, SQL}.</p> <p>Note: Integrated (Windows authentication) is the default.</p>
-SqlUsername <username>	<username> - the SQL Server username. (SQL SecurityModel).
-SqlPassword <pwd>	<pwd> - the SQL Server password. (SQL SecurityModel).
- EncryptedSqlPassword <pwd>	<pwd> - the encrypted SQL Server password generated by EncryptSqlPassword action. (SQLSecurityModel).
-WindowsUsername <domain\user>	<domain\user> - the Windows user that will be used to read/write the backup archive.

-WindowsPassword <pwd>	<pwd> - the password for the Windows user.
- EncryptedWindowsPa ssword <pwd>	<pwd> - the encrypted password for the Windows user generated by EncryptWindowsPassword action.

## Advanced Options

The following advanced options help you perform LogShipBackup operations:

Options	Description
-MailTo <email_address>	<p>&lt;email_address&gt; - an email address(es) to send the notification via SMTP.</p> <p>Note: multiple addresses may be separated by spaces, semicolons, or commas.</p>
-Threads <number>	<number> - specifies the number of threads that should be used to distribute the backup process across multiple processors.
-RetryWrites <interval> <retry_time> <total_time>	On a network file error, retry every <interval> seconds for up to <retry_time> seconds. Total retry time allowed is <total_time> minutes.
-PreCommandRun	<p>Specifies that a pre-command is expected. No value is expected here, just the presence of the parameter -PreCommandRun.</p> <p>Note: Optional.</p>
- PreBackupDestination	<p>The UNC location and filename of the pre-backup command.</p> <p>-PreBackupDestination = '\\myserver\safecommands\prebackupcommand.bat'</p> <p>Note: Optional.</p>
-QuitJobPreJobFail	<p>Quits the backup operation if the pre-backup command fails. No value is expected here, just the presence of the parameter -QuitJobPreJobFail.</p> <p>Note: Optional.</p>
-PostCommandRun	<p>Specifies that a post-command is expected. No value is expected here, just the presence of the parameter -PostCommandRun.</p> <p>Note: Optional.</p>

- PostBackupDestination	The UNC location and filename of the post-backup command.  -PostBackupDestination = "\\myserver\safecommands\postbackupcommand.bat"  Note: Optional.
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For detailed descriptions and available options, see the CLI Help (`SQLsafeCmd help LogShipBackup`).

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