

# RestoreLast CLI Commands

SQL Safe provides you with CLI commands to help you manually restore the most recent full backup of a database from the specified directory.

To perform RestoreLast operations use the following command:

- `SQLsafeCmd RestoreLast [options]`

Where the required [options] are:

Option	Description
-BackupLocation <filename>	<p>&lt;filename&gt; - the filename pattern to restore.</p> <p>The most recent backup file matching this pattern will be restored.</p> <p>Set this to TSM for Tivoli Storage Manager.</p>
-DatabaseName <db_name>	<db_name> - the database to restore.

## Common Options

The following options help you perform RestoreLast operations:

Options	Descriptions
-DisconnectUsers	Disconnects all users from the target database before the restore operation begins.
-EncryptedRestorePassword <pwd>	<pwd> - the encrypted password used to decrypt the backup.
-InstanceName <name>	<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>
-Move <logical_filename> <target_filename>	<p>To move the database logical database file to the physical target file.</p> <p>&lt;logical_filename&gt; - the database logical database file.</p> <p>&lt;target_filename&gt; - the physical target file .</p> <p>Corresponds to the WITH MOVE option in the RESTORE DATABASE T/SQL command.</p>

-Password <pwd>	<pwd> - the non-encrypted password used to encrypt the backup.
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## Security Options

Secure your RestoreLast operations with the following options:

Options	Description
-NoPrompt	Never prompt for credentials even if necessary.
-SecurityModel <model>	The security model used to log into SQL Server.  <model> - {Integrated, SQL}.  Note: Integrated (Windows authentication) is the default.
-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.
- EncryptedWindowsPassword <pwd>	<pwd> - the encrypted password for the Windows user generated by EncryptWindowsPassword action.

## Advanced Options

The following advanced options help you perform RestoreLast operations:

Options	Description
-ArgsFile <filename>	The path to a file containing command-line arguments.  <filename> - specifies the file that contains the command line arguments.

-ContinueAfterError	Instructs SQL Server to continue the operation despite encountering errors such as invalid checksums.  Note: for SQL 2005 and later only.
-IncludeLogins	For backup, includes the database logins in the backup file.  For restore, creates the logins from the backup file on the destination server.
-KeepReplication	Preserves replication settings when restoring a published database to a server other than that on which it was created.
-MailTo <email_address>	<email_address> - an email address(es) to send the notification via SMTP.  Note: multiple addresses may be separated by spaces, semicolons, or commas.
-RecoveryMode <mode> [-UndoFile <filename>]	Specifies the mode in which to leave the database after the operation is completed.  <mode> - NoRecovery, Standby.  Note: for Standby mode an undo file may be specified with the - UndoFile option.
-RetryReads <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.
-UndoFile <filename>	<filename> - specifies the ABSOLUTE path to the undo filename.  Note: for Standby recovery mode only.

## Tivoli Storage Manager Options

There are TSM options for your RestoreLast operations:

Options	Description
-TsmClientOwnerName <name>	<name> - the client owner name.
-TsmClientOwnerPassword <pwd>	<pwd> - the client owner password.
-EncryptedTsmClientOwnerPassword <pwd>	<pwd> - the encrypted TSM client owner password.
-TsmConfigFile <filename>	<filename> - the configuration file location.

-TsmHighLevel <name>	<name> - the high level file specification (path).
-TsmLowLevel <name>	<name> - the low level file specification (file name).
-TsmTcpServerAddress <address>	<address> - the TCP/IP address for the TSM server.
-TsmTcpPort <port>	<port> - the TCP/IP port address for the TSM server.

For detailed descriptions and available options, see the CLI Help (`SQLsafeCmd help RestoreLast`).

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