

# Restore CLI Commands

SQL Safe provides you with CLI commands to help you manually restore a database.

To restore a database use the following commands:

- SQLsafeCmd Restore <db\_name> <backup\_archive> [options]
- SQLsafeCmd Restore <db\_name> <point\_in\_time> [options]
- SQLsafeCmd Restore <db\_name> TSM [options]

Where:

Action	Description
<db_name>	Name of the database.
<backup_archive>	Path to the backup archive.
<point_in_time>	Date/Time {"MM/dd/yyyy hh:mm:ss"} to restore to.
Tsm	Use Tivoli Storage Manager (see below for special options).

## Common Options

The following options help you perform restore operations:

Options	Descriptions
-BackupSet <index>	<index> - the index of the backup set within the backup archive. (1-based).
-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>	<name> - SQL server instance name.  Note: it is not required if the instance is set as a default on the target server.

-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.
-Server <hostname>	<p>&lt;hostname&gt; - the hostname of server hosting the SQL Server where the operation should be performed.</p> <p>Note: this option is required for accessing remote or clustered SQL Servers (where applicable).</p>
-Replace	Overrides database if exists.
-SectorType	Public or Government based on Azure Sector.

## Security Options

Secure your restore 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.
-EncryptedWindowsPassword <pwd>	<pwd> - the encrypted password for the Windows user generated by EncryptWindowsPassword action.

## Advanced Options

The following advanced options help you perform restore operations:

Options	Description
-ArgsFile <filename>	<p>The path to a file containing command-line arguments.</p> <p>&lt;filename&gt; - specifies the file that contains the command line arguments.</p>
-BackupFile <filename>	<p>Specifies additional backup archive files to be used for striping backups.</p> <p>&lt;filename&gt; - specifies the backup archive files.</p> <p>Note: use once for each additional stripe.</p>
-ContinueAfterError	<p>Instructs SQL Server to continue the operation despite encountering errors such as invalid checksums.</p> <p>Note: for SQL 2005 and later only.</p>
-IncludeLogins	<p>For backup, includes the database logins in the backup file.</p> <p>For restore, creates the logins from the backup file on the destination server.</p>
-KeepReplication	Preserves replication settings when restoring a published database to a server other than that on which it was created.
-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>
-NoStatus	Prevents status messages from being cached or sent to the Repository.

-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.
-UndoFile <filename>	<filename> - specifies the ABSOLUTE path to the undo filename.  Note: for Standby recovery mode only.
-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.
-StopAt <datetime>	Specifies the database to be restored to the state it was in as of the specified date and time.  <datetime> - {"mm/dd/yyyy hh:mm:ss"}.  Note: for Log BackupType only.
-StopAtMark <mark> [- After <datetime>]	Specifies recovery to the specified <mark>, including the transaction that contains the <mark>.  Note: for Log BackupType only.
-StopBeforeMark <mark> [-After <datetime>]	Specifies recovery to the specified <mark> but does not include the transaction that contains the <mark>.  Note: for Log BackupType only.
-After <datetime>	Recovery stops at the first <mark> having the specified name exactly at or after <datetime>.  Note: only valid with -StopAtMark/-StopBeforeMark options.  For Log BackupType only.

## Tivoli Storage Manager Options

There are TSM options for your restore 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.
-TsmId <object_id>	<p>&lt;object_id&gt; - The TSM object id.</p> <p>Note: if the object id is provided, high level and low level are not needed.</p>

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