InstantRestore CLI Commands

SQL Safe provides you with CLI commands to help you manually perform an Instant Restore to a database.

To perform InstantRestore operations use the following commands:

- SQLsafeCmd InstantRestore <db_name> <backup_archive> [options]
- SQLsafeCmd InstantRestore <db_name> <point_in_time> [options]

Where:

Action	Description
<database_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.

Common Options

The following options help you perform InstantRestore 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>	To move the database logical database file to the physical target file.
	<logical_filename> - the database logical database file.
	<target_filename> - the physical target file.
	Corresponds to the WITH MOVE option in the RESTORE DATABASE T/SQL command.
-Password <pwd>	<pwd> - the non-encrypted password used to encrypt the backup.
-Server <hostname>	<hostname> - the hostname of server hosting the SQL Server where the operation should be performed.
	Note: this option is required for accessing remote or clustered SQL Servers (where applicable).
-Replace	Override database if exists.

Security Options

Secure your InstantRestore 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. (SQL SecurityModel).
-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 InstantRestore operations:

Options	Description
-ArgsFile <filename>	The path to a file containing command-line arguments. <filename> - specifies the file that contains the command line arguments.
-Diff <filename>	The differential backup. <filename> - the file path to the differential backup. This can be followed by -BackupFile, -BackupSet, or -Password to set individual options for this backup set.
-Log <filename>	The log backup. <filename> the file path to the log backup. This can be followed by -BackupFile, -BackupSet, or -Password to set individual options for this backup set.
-BackupFile <filename>	Specifies additional backup archive files to be used for striping backups. <filename> - specifies the backup archive files. Note: use once for each additional stripe.
-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.
-NoChecksum	Disables the validation of any checksums by the restore operation. Note: for SQL 2005 and later only.

-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.
-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.
-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.
-Wait	Wait for hydration to complete before returning result of operation. Note: by default, it is set to return result of bringing database online.

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