

Object Level Recovery CLI Commands

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

To perform ObjectLevelRecovery operations use the following commands:

- SQLsafeCmd ObjectLevelRecovery <db_name> <backup_archive> [options]
- SQLsafeCmd ObjectLevelRecovery <db_name> <point_in_time> [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.

Common Options

The following options help you perform ObjectLevelRecovery operations:

Options	Descriptions
-Async	Performs Action in background. Returns command control as soon as possible.
-InstanceName <name>	<p><name> - SQL server instance name.</p> <p>Note: it is not required if the instance is set as a default on the target server.</p>
-Server <hostname>	<p><hostname> - 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>
-BackupFile <filename>	<p>Specifies additional backup archive files to be used for striping backups.</p> <p><filename> - specifies the backup archive files.</p> <p>Note: use once for each additional stripe.</p>
-BackupSet <index>	<p><index> - the index of the backup set within the backup archive. (1-based).</p>

-RestoreAs <db_name>	<db_name> - a database new name. Note: the default is "<dbName>OLR" name.
-DatabaseFilesLocation <path>	<path> - specifies the database files location.
-TemporaryVdbLocation <location_path>	<location_path> - location where save VDB files.
- TemporaryVdbServerName <hostname>	<hostname> - host where create VDB for OLR Restore action.
-Password <pwd>	<pwd> - the non-encrypted password used to encrypt the backup.

Advanced Options

The following advanced options help you perform ObjectLevelRecovery operations:

Options	Description
-ArgsFile <filename>	The path to a file containing command-line arguments. <filename> - specifies the file that contains the command line arguments.
- KeepReplication	Preserves replication settings when restoring a published database to a server other than that on which it was created.
-IncludeLogins	For backup, includes the database logins in the backup file. For restore, creates the logins from the backup file on the destination server.
- DisconnectUsers	Disconnects all users from the target database before the restore operation begins.
- ContinueAfterError	Instructs SQL Server to continue the operation despite encountering errors such as invalid checksums. Note: SQL 2005 and later only.
-VerifyOnly	Perform Verify Only Action.
-MailTo <email_addresses>	<email_address> - an email address(es) to send the notification via SMTP. Note: multiple addresses may be separated by spaces, semicolons, or commas.

-Threads <number>	<number> - specifies the number of threads that should be used to distribute the backup process across multiple processors.
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Options for Objects to Recovery

The following options are required to perform ObjectLevelRecovery operations:

Options	Description
-SchemaObjects <name1> [<name2> ...]	<name1> [<name2> ...] - the list of database schema objects. * (select all).
-UserDefinedTypeObjects <name1> [<name2> ...]	<name1> [<name2> ...] - the list of database user defined type objects. * (select all).
-XmlCollectionObjects <name1> [<name2> ...]	<name1> [<name2> ...] - the list of database xml collection objects. * (select all).
-TableObjects <name1> [<name2> ...]	<name1> [<name2> ...] - the list of database table objects. * (select all).
-FunctionObjects <name1> [<name2> ...]	<name1> [<name2> ...] - the list of database function objects. * (select all).
-ViewObjects <name1> [<name2> ...]	<name1> [<name2> ...] - the list of database view objects. * (select all).
-StoredProcedureObjects <name1> [<name2> ...]	<name1> [<name2> ...] - the list of database stored procedure objects. * (select all).
-ConstraintObjects <name1> [<name2> ...]	<name1> [<name2> ...] - the list of database constraint objects. * (select all).

Security Options

Secure your ObjectLevelRecovery 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.

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

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