

# Use Command Line Interface (CLI) to automate SQL Safe Backup functions

SQL Safe Backup provides you with a Command Line Interface (CLI) to automate its functions. The CLI commands allow you to make changes to your SQL Safe Backup configurations across multiple SQL Server instances in a few lines of text, saving you time.

## About Command Line Interface (CLI)

A Command Line Interface (CLI) is a user interface that allows you to interact with the operating system. The interaction is performed through commands where you type an specific command and the operating system performs an action.

 Make sure you are aware of proper command format for each action you want to perform.

## SQL Safe Backup CLI Usage

The following commands help you automate your SQL Safe Backup functions:

| Usage                           | Description                                         |
|---------------------------------|-----------------------------------------------------|
| SQLsafeCmd <action> [options]   | Perform an action.                                  |
| SQLsafeCmd help <action>        | Display detailed help for an action.                |
| SQLsafeCmd -ArgsFile <filename> | Perform the action defined within an argument file. |

where:

| Action     | Description                                              |
|------------|----------------------------------------------------------|
| <action>   | A keyword that tells SQL Safe what to do.                |
| <filename> | Specifies the file that contains command line arguments. |

When you use the *SQLsafeCmd* command, the following actions can be performed:

| Actions                 | Description                                          | Example                  |
|-------------------------|------------------------------------------------------|--------------------------|
| <a href="#">Help</a>    | Display detailed descriptions and available options. | SQLsafeCmd help <action> |
| <a href="#">Backup</a>  | Backup a database.                                   | SQLsafeCmd help backup   |
| <a href="#">Restore</a> | Restore a database.                                  | SQLsafeCmd help restore  |

|                                         |                                                                                 |                                        |
|-----------------------------------------|---------------------------------------------------------------------------------|----------------------------------------|
| <a href="#">RestoreLast</a>             | Restore the most recent full backup of a database from the specified directory. | SQLsafeCmd help restorelast            |
| <a href="#">InstantRestore</a>          | Instant Restore a database.                                                     | SQLsafeCmd help instantrestore         |
| <a href="#">Verify</a>                  | Verify a database backup.                                                       | SQLsafeCmd help verify                 |
| <a href="#">RestoreFileList Only</a>    | List files for database in backup set.                                          | SQLsafeCmd help restorefilelistonly    |
| <a href="#">RestoreHeader Only</a>      | List backup sets in an archive.                                                 | SQLsafeCmd help restoreheaderonly      |
| <a href="#">Browse TSM</a>              | Browse Tivoli Storage Management.                                               | SQLsafeCmd help browse TSM             |
| <a href="#">Expire TSM</a>              | Expire Tivoli Storage Management backup archives.                               | SQLsafeCmd help expire TSM             |
| <a href="#">Extract TSM</a>             | Extract a file from Tivoli Storage Management.                                  | SQLsafeCmd help extract TSM            |
| <a href="#">License</a>                 | Register a Backup Agent license.                                                | SQLsafeCmd help license                |
| <a href="#">EncryptBackup Password</a>  | Encrypt plain-text password for encrypted backups.                              | SQLsafeCmd help encryptbackuppassword  |
| <a href="#">EncryptRestore Password</a> | Encrypt plain-text password for encrypted restores.                             | SQLsafeCmd help encryptrestorepassword |
| <a href="#">EncryptSqlPassword</a>      | Encrypt plain-text password for SQL Server logins.                              | SQLsafeCmd help encryptsqlpassword     |
| <a href="#">EncryptWindowsPassword</a>  | Encrypt plain-text password for Windows logins.                                 | SQLsafeCmd help encryptwindowspassword |
| <a href="#">InstallXsp</a>              | Install SQL Server extended stored procedures for SQLsafe.                      | SQLsafeCmd help installxsp             |
| <a href="#">Delete</a>                  | Delete backup archives older than the specified date.                           | SQLsafeCmd help delete                 |
| <a href="#">LogShipBackup</a>           | Log Shipping primary backup.                                                    | SQLsafeCmd help logshipbackup          |
| <a href="#">LogShipRestore</a>          | Log Shipping secondary restore.                                                 | SQLsafeCmd help logshiprestore         |

|                                     |                                                                         |                                     |
|-------------------------------------|-------------------------------------------------------------------------|-------------------------------------|
| <a href="#">ObjectLevelRecovery</a> | Restore database objects.                                               | SQLsafeCmd help objectlevelrecovery |
| <a href="#">Create-Policy</a>       | Create a new policy.                                                    | SQLsafeCmd help create-policy       |
| <a href="#">Edit-Policy</a>         | Edit existing policy.                                                   | SQLsafeCmd help edit-policy         |
| <a href="#">AddDatabase</a>         | Deploy new database for existing policy (LogShipping or Backup policy). | SQLsafeCmd help adddatabase         |
| <a href="#">Virtual Database</a>    | Display detailed descriptions and available options.                    | SQLvdbCmd help                      |

 The examples in the above table provides you with commands to use in Command Prompt. Those commands will display detailed descriptions and available options for each action.