

# Create Restore Policies CLI Commands

SQL Safe provides you with CLI commands to help you manually create restore policies.

## Options to Create Restore Policies

To create restore policies with minimal required options use the following command:

- `SQLsafeCmd Create-Policy Restore <policy_name> -InstanceName <name> -DatabaseName <source_db_name> -SourceBackupPolicy <policy_name|GUID> -TargetInstance <name> -TargetDatabase <target_db_name> [options]`

The following options can also be used to create restore policies:

Option	Description
<code>-ActionType &lt;action&gt;</code>	Specifies the policy action.  <action> - SqlAgent, SqlSafeBackupAgent, MonitorOnly.  Note: the default is the SqlAgent action.
<code>-RestrictRun [on off]</code>	[on off] - Enable/Disable the policy.
<code>-Description &lt;description&gt;</code>	<description> - specifies the policy description.
<code>-InstanceName &lt;instance_name&gt;</code>	<instance_name> - specifies the source instance.  Note: this parameter is required.
<code>-DatabaseName &lt;db_name&gt;</code>	<db_name> - specifies the database to restore.  Note: this parameter is required.
<code>-Server &lt;server_name&gt;</code>	<server_name> - specifies the source server.  Note: this parameter is optional.
<code>-RetryWrites &lt;interval&gt; &lt;retry_time&gt; &lt;total_time&gt;</code>	On a network file error, retry every <interval> seconds for up to <retry_time> seconds. Total retry time allowed is <total_time> minutes.
<code>-SourceBackupPolicy &lt;policy_name GUID&gt;</code>	<policy_name GUID> - specifies the backup policy for source database.
<code>- BackupEncryptionPass word &lt;pwd&gt;</code>	<pwd> - specifies the password for encrypted source backup file.

## Account Options

The following account options help you create restore policies:

Options	Description
-UseAgentAccount <yes no>	Specifies the Agent account for accessing to files.  Note: by default, the policy uses Agent account.  This parameter is optional.
-WindowsUsername <domain\user>	<domain\user> - specifies the user name, used when writing /reading to files during restore.
-WindowsPassword <pwd>	<pwd> - specifies the password.

## Target Options

The following target options help you create restore policies:

Options	Description
-TargetInstance <instance_name>	<instance_name> - specifies the target instance.  Note: this parameter is required.
-TargetDatabase <db_name>	<db_name> - specifies the new database.  Note: this parameter is required.
-TargetServer <server_name>	<server_name> - specifies the target server.  Note: this parameter is optional.
-LogLocation <path>	<path> - specifies where to store the database log files.  Note: the default value is the current target database log files location.
-DataLocation <path>	<path> - specifies where to store database data files.  Note: the default value is the current target database data files location.
-RecoveryMode <mode>	Specifies the database state after restore action.  <mode> {NoRecovery, Standby, Recovery}.

-DisconnectUsers <yes no>	<p>Disconnects all users from the target database before the restore operation begins.</p> <p>Note: this parameter is optional.</p>
-ContinueAfterError <yes no>	<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> <p>This parameter is optional.</p>
-IncludeLogins <yes no>	<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> <p>Note: this parameter is optional.</p>
-KeepReplication <yes no>	<p>Preserves replication settings when restoring a published database to a server other than that on which it was created.</p> <p>Note: this parameter is optional.</p>

### Schedule Options

You can schedule the creation of restore policies by using the following options:

Options	Description
-Schedule <occurs_type>	<p>Specifies the schedule type (occurs type).</p> <p>&lt;occurs_type&gt; - OnDemand, Daily, Weekly, Monthly.</p>
-Every <n>	<p>Specifies how often the policy runs. It depends on the schedule type.</p> <p>For Daily: every &lt;n&gt; day(s).</p> <p>For Weekly: every &lt;n&gt; week(s).</p> <p>For Monthly: every &lt;n&gt; month(s).</p> <p>Note: the default value is "1".</p>

-Day <day>	<p>&lt;day&gt; - specifies a day of the week or a day of a month.</p> <p>Note: it is valid only with Weekly, Monthly schedule types.</p> <p>Valid values for Weekly: MON - SUN and * (every day). SUN is default.</p> <p>Valid values for Monthly: MON - SUN, Weekday, WeekendDay, Day or number 1 - 31. Is required when -MonthDay option is used.</p>
-MonthDay <month_day>	<p>Specifies how often the policy runs.</p> <p>&lt;month_day&gt; - FIRST, SECOND, THIRD, FOURTH, LAST use with -Day option. LASTDAY - the policy runs on the last day of the month.</p>
-StartTime <time>	<p>&lt;time&gt; - specifies the time of day that the policy runs.</p> <p>Note: it is required with a "once" frequency.</p> <p>The default value is the current local time when policy creates.</p>
-EndTime <time>	<p>&lt;time&gt; - specifies the time of day that the policy ends.</p> <p>Note: it is is not valid in a "once" frequency.</p> <p>The default value is the "23:59:59".</p>
-Frequency <n><time_perio d>	<p>Specifies daily frequency (how often the policy runs within a day).</p> <p>&lt;n&gt; - amount of time.</p> <p>&lt;time_period&gt; - {hour, minute}.</p> <p>E.g., -Frequency 2hours.</p> <p>Special keyword: Once. E.g., -Frequency Once.</p>
-StartDate <date>	<p>&lt;date&gt; - specifies the date that the policy starts.</p> <p>Note: The default value is the current date.</p> <p>This parameter is optional.</p>
-EndDate <date>	<p>&lt;date&gt; - specifies the last date that the policy is scheduled to run.</p> <p>Note: by default, the schedules have no ending date.</p> <p>This parameter is optional.</p>

Note: you can optionally specify restore job occur schedule.

## Email Options

You can set email notifications for your restore policy creations by using the following options:

Options	Description
<code>-MailTo &lt;email&gt; [&lt;email&gt; ...] &lt;on_event&gt; [&lt;on_event&gt; ...] [&lt;frequency&gt;]</code>	<p><code>&lt;email&gt;</code> - specifies where to send notification.</p> <p><code>&lt;on_event&gt;</code> - specifies the event on which send notification.</p> <p>Valid events are: OnError, OnSkip, OnCancel, OnWarning, OnSuccess.</p> <p>The default is no event.</p> <p><code>&lt;frequency&gt;</code> - specifies the notification frequency.</p> <p>Valid values: Once, Always, Never.</p> <p>The default is never.</p>

Note: you can optionally specify email settings.

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

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