

BackupExec

BackupExec is Symantec's (previously Veritas) small business backup solution and depending on the version, allows **Volume** information to be extracted via command line, Windows Power Shell and ODBC.

When **Volumes** are new, they will appear in the Scratch Media Set, but as they are used they are assigned to a specific Media Set. Unlike Symantec's **NetBackup** product, when **Volumes** expire, by default, they are not moved back into the Scratch Media Set.

The bemcmd command



When BackupExec is installed a number of predefined reports are created. The ID of each predefined report varies from one installation to the next.

BackupExec 2010 and below: Extracting Volume information using the command line interface

```
<sxh> bemcmd -o402 -r25 -ft:4 -f:"BE.csv" > "BE-CMD.txt" 2>&1 </sxh>
```

BackupExec 2012 and above: Extracting Volume information using the Windows Power Shell interface

```
<sxh> cd "C:\Program Files\Symantec\Backup Exec\Modules\BEMCLI" import-module BEMCLI
```

```
cd "C:\Program Files\TapeTrack\TapeTrack Sync\var"
```

```
# # Get Media list from Backup Exec # $MediaList = Get-BEMedia $Today = Get-Date
```

```
# # Initialize the outout array # $Records = @()
```

```
ForEach ($Media in $MediaList) {
```

```
    $Record = "" | Select-Object CartridgeLabel, MediaSetName, MediaVault, RetentionHoursRemaining
    $Record.CartridgeLabel = $Media.Name
    $Record.MediaSetName = $Media.MediaSet
    $Record.MediaVault = $Media.MediaVault
    $Record.RetentionHoursRemaining = [Int]($Media.OverwriteProtectedUntilDate - $Today).TotalHours
    $Records += $Record
```

```
}
```

\$Records | Export-CSV -notype BE.cs </sxh>

Synchronization

Synchronization with TapeTrack is performed by calling the [TMSS10Sync](#) command line program, along with:

1. The CSV output file.
2. Command line arguments that instruct the program how to process volumes.
3. A synchronization definition file that instructs the program how to interpret the CSV output.

Example Command Line Arguments

Call Windows Powershell and run the BE-List script. Call the TapeTrack Sync module and process the output created by the Powershell script.

```
<sxh> powershell.exe -NoProfile -file "BE-List.ps1" -executionpolicy RemoteSigned TMSS10Sync -S user:-password@server -a -d BE.ttidef < BE.csv </sxh>
```

Where:

- -d is the path to the Synchronization Definition File.
- -a tells the program to add new tape volumes if they are encountered.
- -S tells the program what [Server](#) to connect to.
- BE.CSV is the output from the BE-List script.

Example Synchronization Definition

```
<sxh> # # Set the Customer and Media as literal values as they never change #  
SetLiteral(CUSTOMER, "ACME"); SetLiteral(MEDIA, "LTO");
```

```
# # Set CSV delimiter # SetCSVDelimiter(",");
```

```
# # Get the Volume-ID # Extract(VOLUME, 1, 10, 0);
```

```
# # Get the Repository from a translated location Name # Extract(REPOSITORY, 0, 200, 0);  
AddTranslation(REPOSITORY, "*,WEEKLY_BACKUP*,[0-9]*", "OFFS"); AddTranslation(REPOSITORY, "*,  
"LIBR");
```

```
# # Set the Description to the Pool Name # Extract(DESCRIPTION, 2, 100, 0);  
RemoveSpaces(DESCRIPTION); # </sxh>
```

From:

<https://docs.tapetrack.com/> - **TapeTrack Documentation**

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<https://docs.tapetrack.com/cookbook/backupexec?rev=1545959813>

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