VEEAM Sync Cookbook

Veeam Backup & Replication is a software product developed by Veeam Software to back up, restore and replicate data on virtual machines

Prerequisites

A defined ODBC connection to the Veeam database.

Data Extraction

Data is extracted from Veeam via an SQL connection and then processing that raw data for the Sync with TapeTrack via a ttidef file.

Synchronization



You will need to install the TapeTrack Sync software to complete these instructions.

Synchronization with TapeTrack is performed by calling the TMSS10Sync command line program, along with:

1. Veeam ODBC connection.
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 SQL output.

The command line code is usually contained within a batch file and scheduled to execute automatically on a regular time frame to suit your requirements.

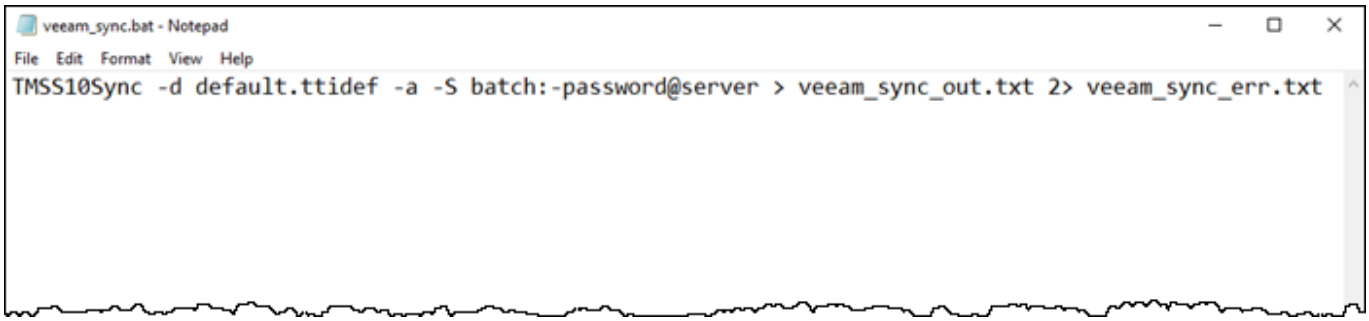
Example Command Line Arguments

```
TMSS10Sync -d default.ttidef -a -S batch:-password@server
```

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.

Example Batch File



TTIDEF Sample

Sample TTIDEF file (default.ttidef) to:

- Connect to VEEAM database (veeam2 in this example).
- Extract barcode, media pool ID and last write time.
- Set Customer-ID to US01.
- Set Media-ID to LTO.
- Set Volume location based off media pool ID.
- Set Volume Description based off media pool ID.

```
#
# Connect to Veeam database
SetODBC("DSN=veeam2");
# Extract data
SetSQL("SELECT [barcode],[media_pool_id],[last_write_time] FROM
[VeeamBackup].[dbo].[Tape.tape_mediums]");


# Set Customer-ID
SetLiteral(CUSTOMER, "US01");
# Set media to LTO as only one media type in report
SetLiteral(MEDIA, "LTO");

# Set place marker for Description
SetLiteral(DESCRIPTION, "????");
# Set place marker for Repository
SetLiteral(REPOSITORY, "????");

# Extract Volume-ID from column 1
Extract(VOLUME, 1, 10, 0);
# Extract media pool-id for translation from column 2
Extract(USER1, 2, 50, 0);
# Extract last writetime from column 3
Extract(WRITETIME, 3, 50, 0);

# Set writetime format
SetWriteTimeFormat("%%Y-%%m-%%d %%H:%%M:%%S");
```

```
# Add translations to set Description based off Media Pool-ID
AddTranslation2(DESCRIPTION, USER1, "4C6BFE92-5C7F-BFE9-A18E-B52A8049C167",
"Alpha media pool");
AddTranslation2(DESCRIPTION, USER1, "601ED8E9-647E-A19E-B18E-F6D66B0EE584",
"Bravo media pool");
AddTranslation2(DESCRIPTION, USER1, "375TED22-7654-B34R-67GH-TMX642021SEE",
"Charlie media pool");
AddTranslation2(DESCRIPTION, USER1, "9454924F-834C-22C0-9A35-F6D44B0EE214",
"Free Tapes");
AddTranslation2(DESCRIPTION, USER1, "3376924Q-221C-59C0-3A65-F6D32B0FW857",
"Imported");


# Add translations to set Repository based off Media Pool-ID
# Move matching media pools offsite
AddTranslation2(DESCRIPTION, USER1, "4C6BFE92-5C7F-BFE9-A18E-B52A8049C167",
"OFFS");
AddTranslation2(DESCRIPTION, USER1, "601ED8E9-647E-A19E-B18E-F6D66B0EE584",
"OFFS");
AddTranslation2(DESCRIPTION, USER1, "375TED22-7654-B34R-67GH-TMX642021SEE",
"OFFS");

# All other media pool place in library
AddTranslation2(REPOSITORY, USER1, "*", "LIBR");

# Stop any movement from racking back to offsite
AddSkipOnRepositoryChange("OFFS", "RACK", "*");
```

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