Creating A PDF Report

TapeTrack has many command line utilities to create reports and output them in different formats to cater for clients needs.

This page is to guide you on how to create a PDF report, using the utility TMSS10Inventory to demonstrate the process and variables available to customize the output.

Other report formats available

- Text
- CSV
- Excel
- HTML
- JSON

Ensure Server Utilities Are Installed

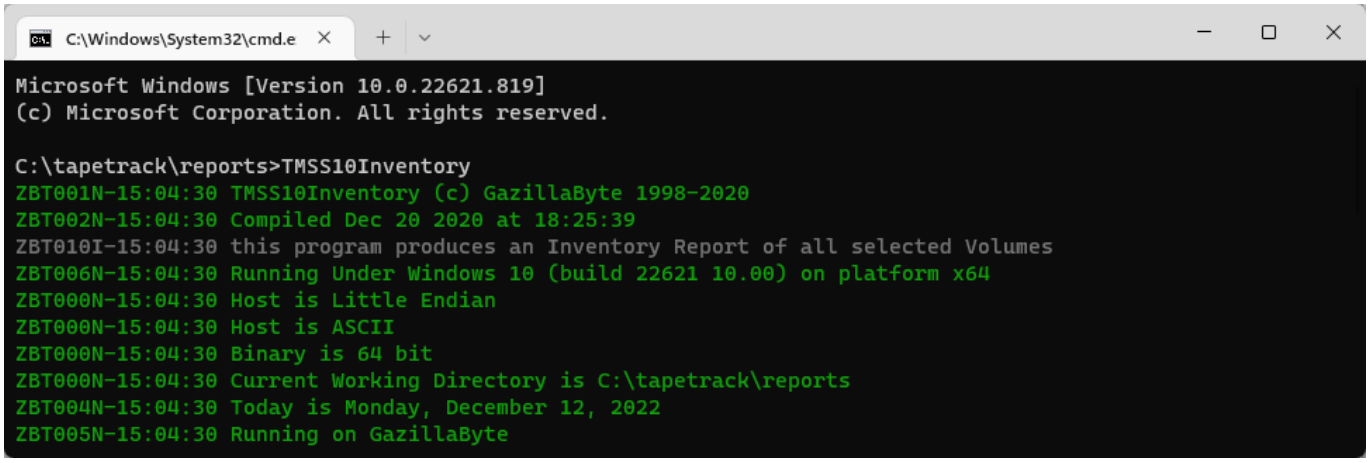
Ensure TapeTrack Server Utilities are installed on the computer you want to run the report on.



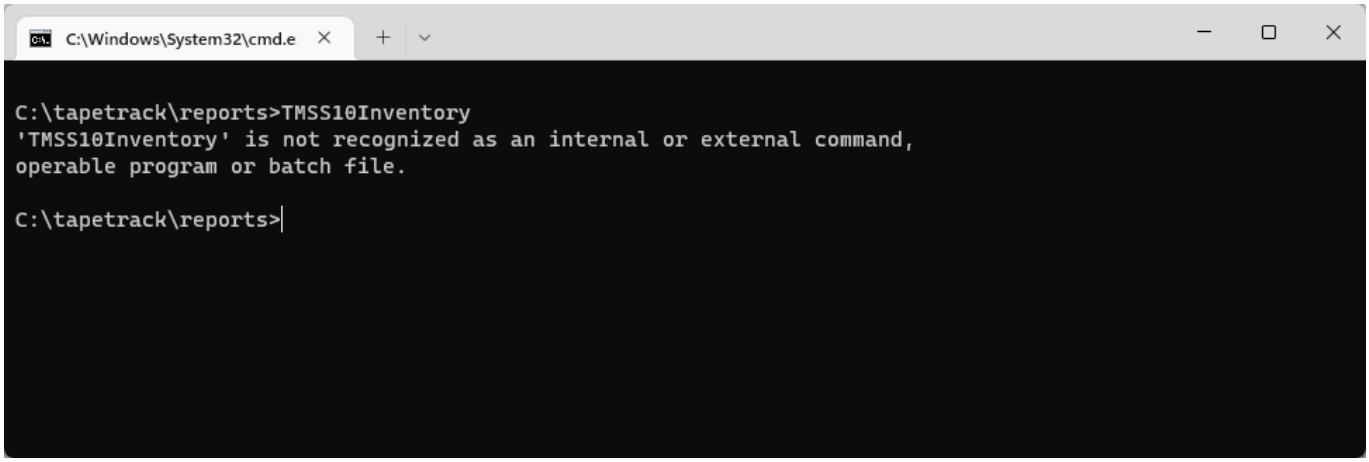
The directory `tapetrack/reports` has been created to illustrate the report process. Set the directory structure on your computer to suit where you want to run and/or write the report to.

Methods to check:

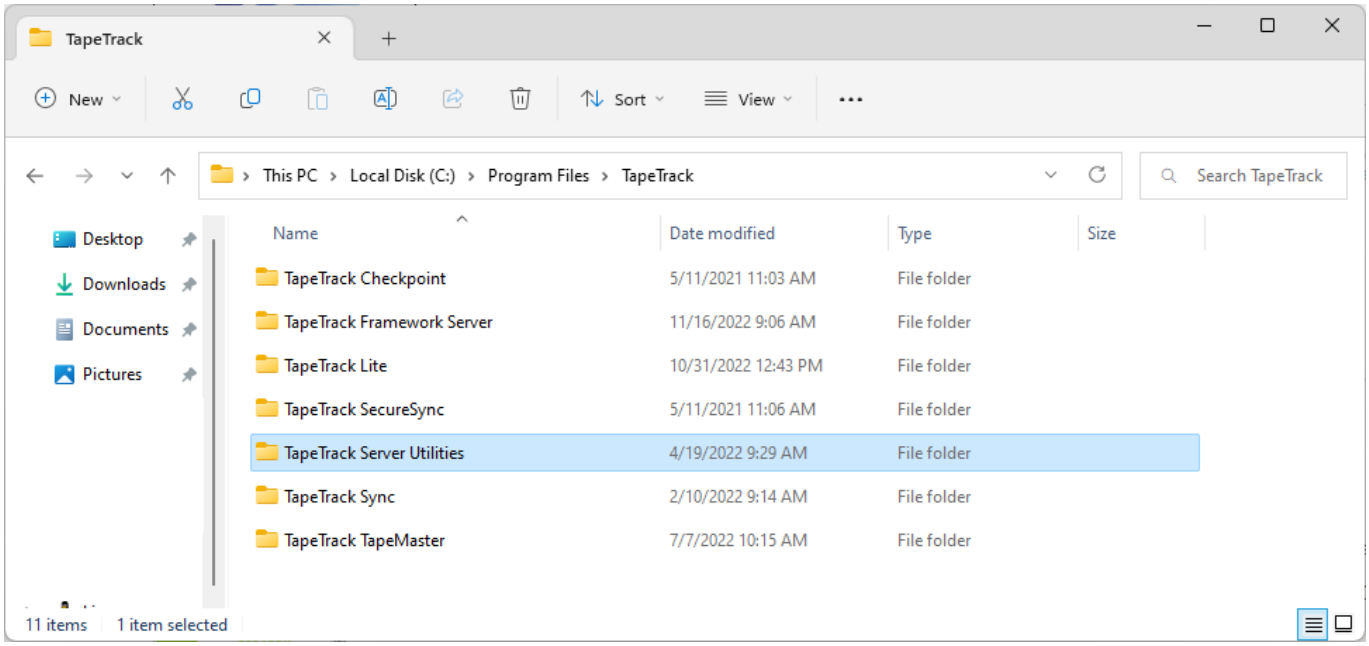
Open a command prompt and run the command `TMSS10Inventory`, the output will show the utility options starting with `TMSS10Inventory © GazillaByte 1998-2020` if Server Utilities have been installed.



If the output shows `TMSS10Inventory is not recognized as an internal or external command, operable program or batch file.` you will need to install the Server Utility package, available for download here.



Look under the TapeTrack installation folder (default C:\Program Files\TapeTrack\) to see if there is a directory `TapeTrack Server Utilities`



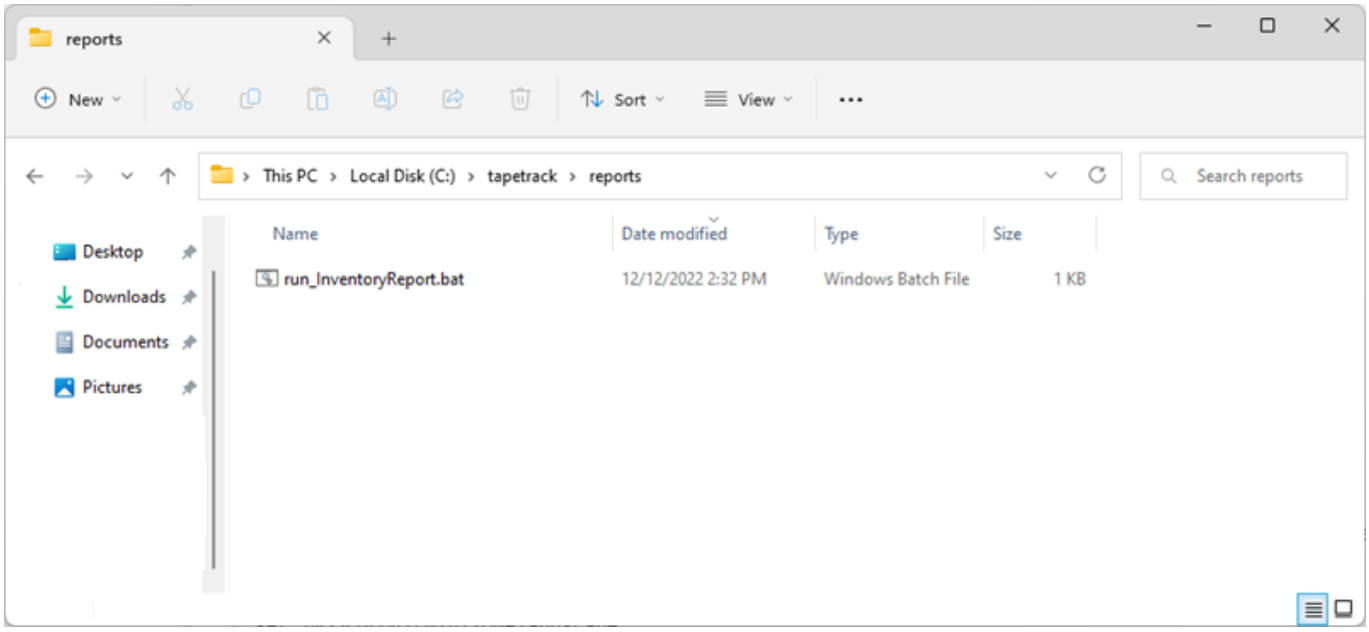
Select The Report Required

Decide on the report required.

In this example we are using TMSS10Inventory, for other report utilities available see Server Utilities - Reports

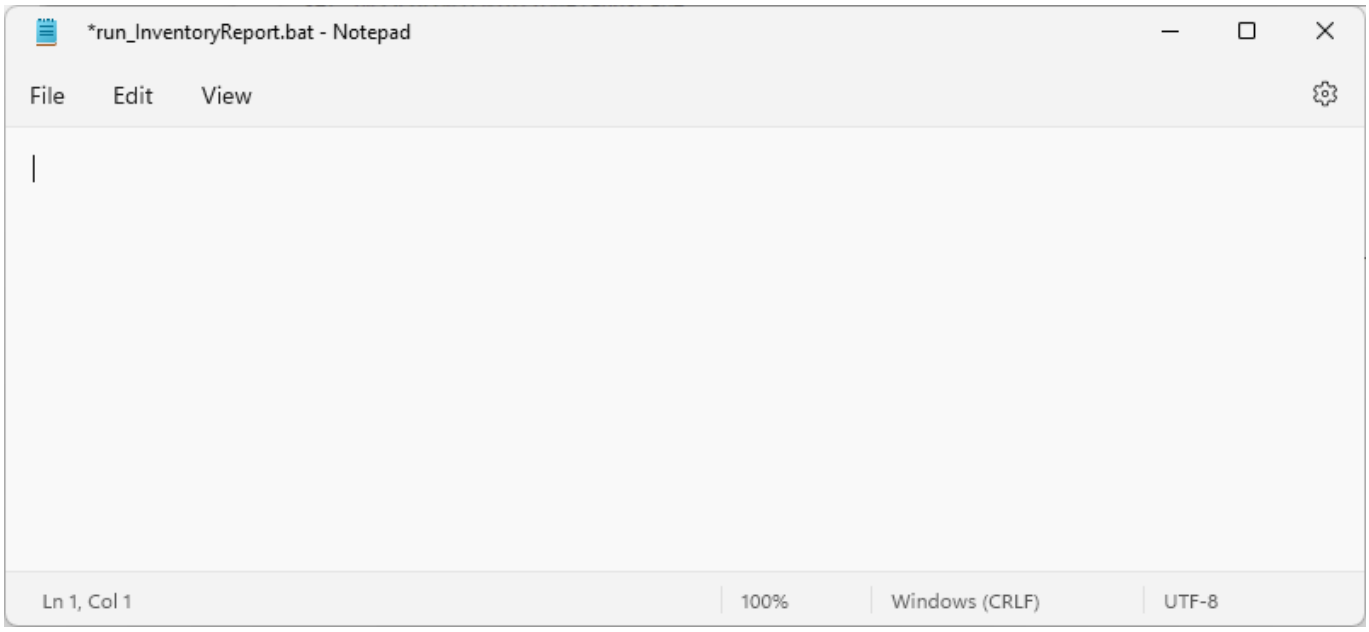
Create Batch File

Create a batch file in the desired location and name it with a descriptive name, eg C:\tapetrack\run_InventoryReport.bat



Coding The Report

Open the batch file in Notepad or other plain text editor.



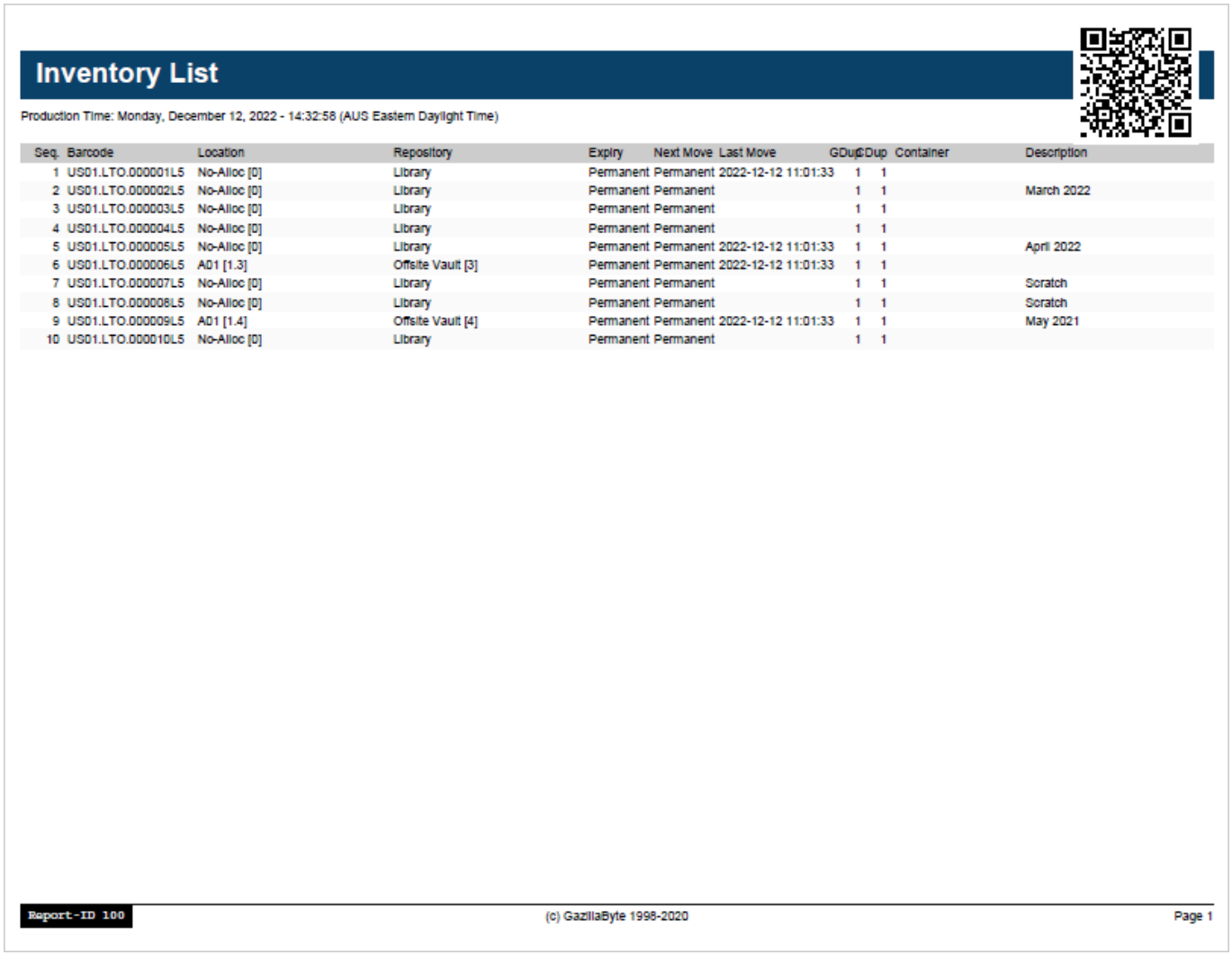
Report Variables

Variables set different parameters relating to how the report is configured and what output gets written to or dropped from the report.

Variable	Function
TMSSREPORTFORMAT	Sets the report output to PDF
TMSSPDFORIENTATION	Sets the orientation of the report, options are landscape or portrait
TMSSPDFPAGESIZE	Sets the page size, options are letter, legal or A4
TMSSPDFOUTPUTPATH	Sets the output directory and file name

Batch file code example:

```
set TMSSREPORTFORMAT=PDF
set TMSSPDFORIENTATION=landscape
set TMSSPDFPAGESIZE=letter
set TMSSPDFOUTPUTPATH=./Inventory_Report_US01.pdf
```



Inventory List

Production Time: Monday, December 12, 2022 - 14:32:58 (AUS Eastern Daylight Time)

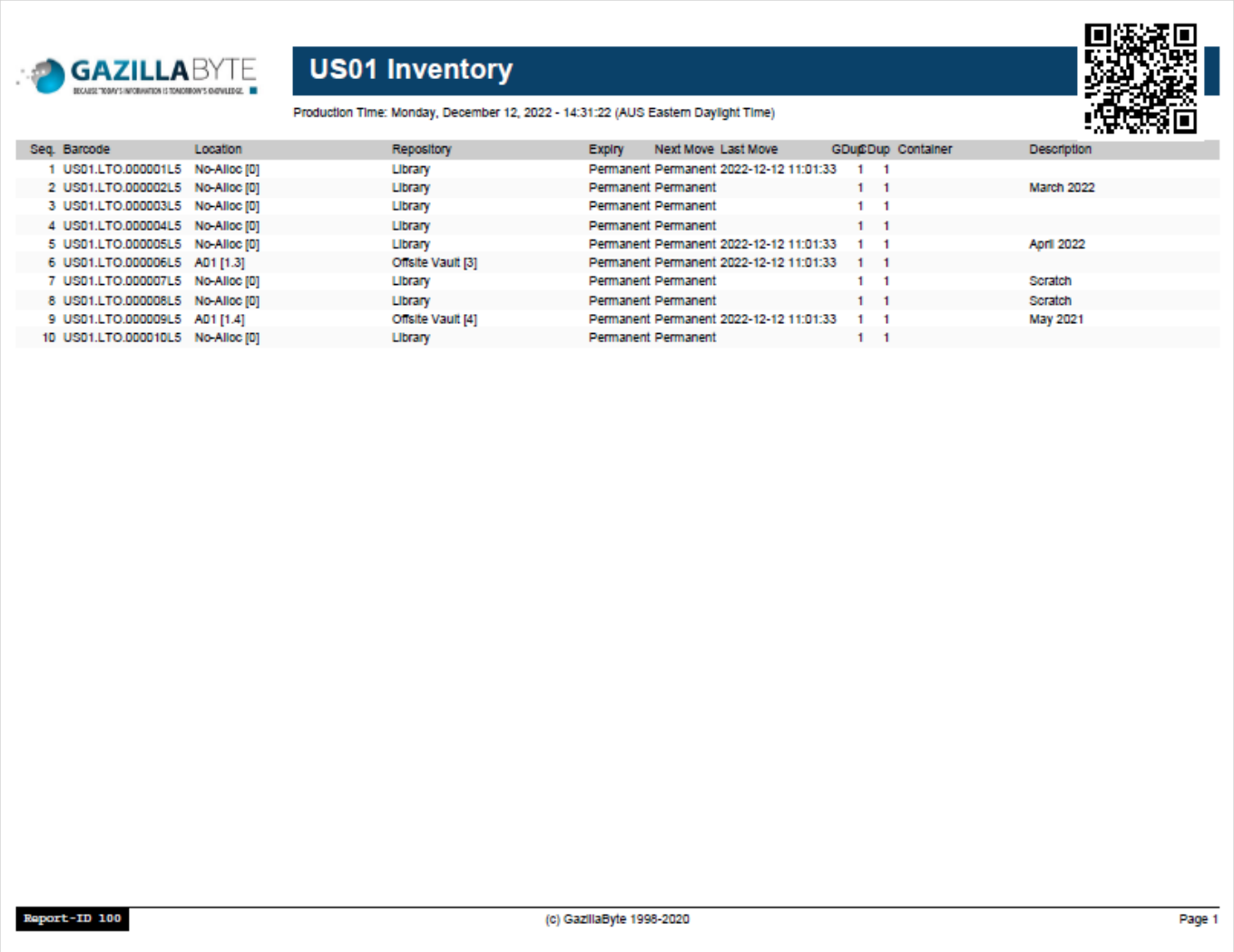
Seq.	Barcode	Location	Repository	Expiry	Next Move	Last Move	GDup	CDup	Container	Description
1	US01.LTO.000001L5	No-Alloc [0]	Library	Permanent	Permanent	2022-12-12 11:01:33	1	1		
2	US01.LTO.000002L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		March 2022
3	US01.LTO.000003L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		
4	US01.LTO.000004L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		
5	US01.LTO.000005L5	No-Alloc [0]	Library	Permanent	Permanent	2022-12-12 11:01:33	1	1		April 2022
6	US01.LTO.000006L5	A01 [1.3]	Offsite Vault [3]	Permanent	Permanent	2022-12-12 11:01:33	1	1		
7	US01.LTO.000007L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		Scratch
8	US01.LTO.000008L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		Scratch
9	US01.LTO.000009L5	A01 [1.4]	Offsite Vault [4]	Permanent	Permanent	2022-12-12 11:01:33	1	1		May 2021
10	US01.LTO.000010L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		

Report-ID 100 (c) GazillaByte 1998-2020 Page 1

Customize Report

Variable	Function
TMSSPDFCOLORHDR	Sets the color of the report heading
TMSSPDFLOGOPATH	Sets the path of the logo jpg image
TMSSREPORTTITLE	Sets the report title

```
set TMSSPDFCOLORHDR=FF0000
set TMSSPDFLOGOPATH=./invoice_logo.jpg
set TMSSREPORTTITLE100=US01 Inventory
```



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US01 Inventory

Production Time: Monday, December 12, 2022 - 14:31:22 (AUS Eastern Daylight Time)

Seq.	Barcode	Location	Repository	Expiry	Next Move	Last Move	GDup	CDup	Container	Description
1	US01.LTO.000001L5	No-Alloc [0]	Library	Permanent	Permanent	2022-12-12 11:01:33	1	1		
2	US01.LTO.000002L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		March 2022
3	US01.LTO.000003L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		
4	US01.LTO.000004L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		
5	US01.LTO.000005L5	No-Alloc [0]	Library	Permanent	Permanent	2022-12-12 11:01:33	1	1		April 2022
6	US01.LTO.000006L5	A01 [1.3]	Offsite Vault [3]	Permanent	Permanent	2022-12-12 11:01:33	1	1		
7	US01.LTO.000007L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		Scratch
8	US01.LTO.000008L5	No-Alloc [0]	Library	Permanent	Permanent		1	1		Scratch
9	US01.LTO.000009L5	A01 [1.4]	Offsite Vault [4]	Permanent	Permanent	2022-12-12 11:01:33	1	1		May 2021
10	US01.LTO.00001DL5	No-Alloc [0]	Library	Permanent	Permanent		1	1		

Report-ID 100 (c) GazillaByte 1998-2020 Page 1

Customize Columns

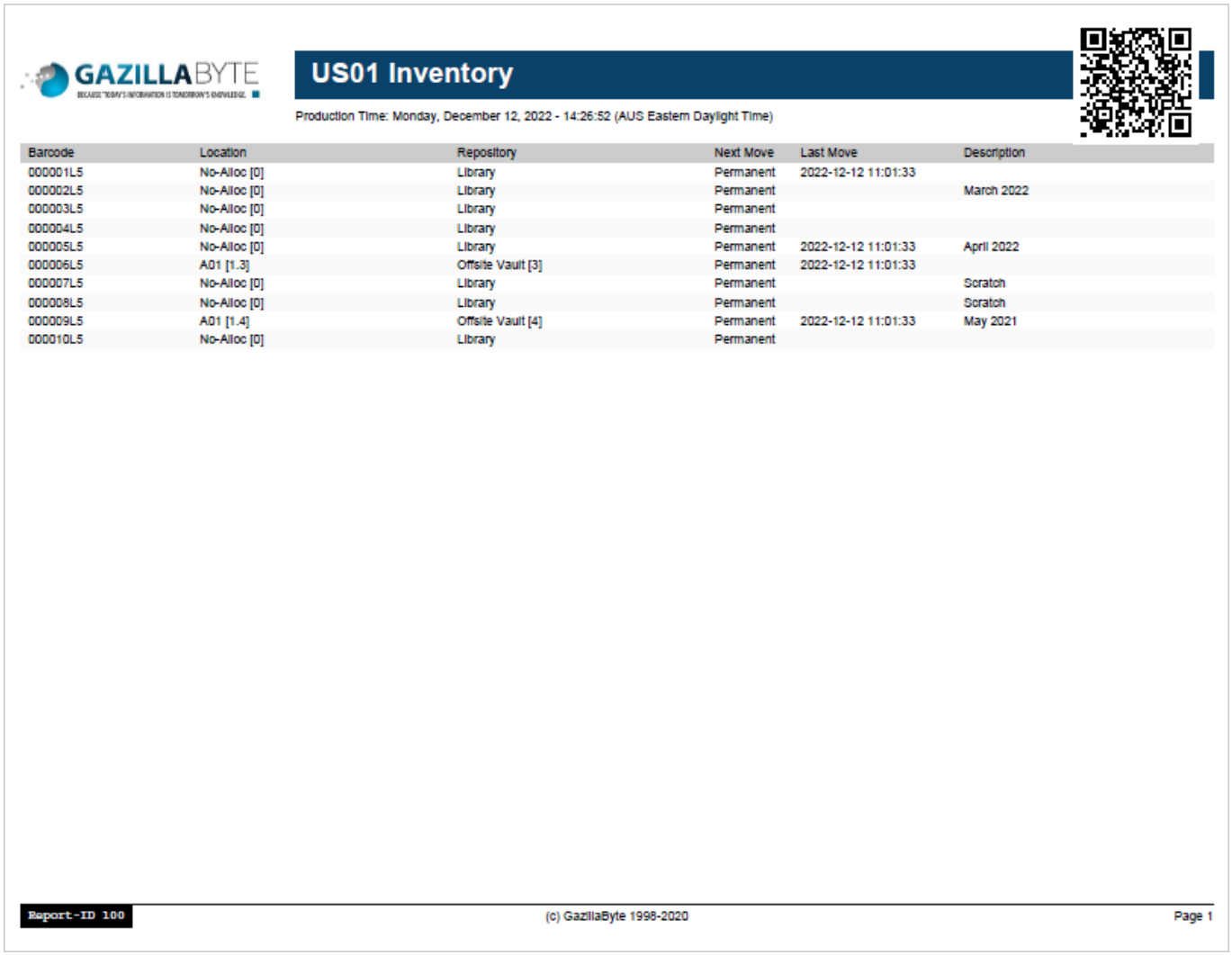
When outputting to PDF, as the report includes a lot of data, you may find columns overlap on the report.

The reason there is to many columns for the space available in a PDF format is because the report is customizable, the choice of which columns to include or discard is left to the client to decide rather that make the choice for you.

If all columns are required, outputting the report to text, CSV or EXCEL is advised.

Variable	Function
TMSSREPORTCOLUMNDELETE	Removes specified columns from the report
TMSSUNQUALIFIEDVOLUME	Removes Customer-ID and Media-ID, displaying unqualified barcode

```
set TMSSREPORTCOLUMNDELETE=1,5,8,9,10
set TMSSUNQUALIFIEDVOLUME=true
```



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US01 Inventory

Production Time: Monday, December 12, 2022 - 14:26:52 (AUS Eastern Daylight Time)

Barcode	Location	Repository	Next Move	Last Move	Description
000001L5	No-Alloc [0]	Library	Permanent	2022-12-12 11:01:33	
000002L5	No-Alloc [0]	Library	Permanent		March 2022
000003L5	No-Alloc [0]	Library	Permanent		
000004L5	No-Alloc [0]	Library	Permanent		
000005L5	No-Alloc [0]	Library	Permanent	2022-12-12 11:01:33	April 2022
000006L5	A01 [1.3]	Offsite Vault [3]	Permanent	2022-12-12 11:01:33	
000007L5	No-Alloc [0]	Library	Permanent		Scratch
000008L5	No-Alloc [0]	Library	Permanent		Scratch
000009L5	A01 [1.4]	Offsite Vault [4]	Permanent	2022-12-12 11:01:33	May 2021
00001OL5	No-Alloc [0]	Library	Permanent		

Report-ID 100 (c) GazillaByte 1998-2020 Page 1

Final Batch File

```
:: Final batch file code
:: PDF Inventory Report
:: Output to file Inventory_Report_US01.pdf
:: Custom Title with logo
:: Columns 1,5,8,9,10 removed from report
:: Volumes displayed unqualified volume-ID
:: Report limited to Customer-ID US01

set TMSSREPORTFORMAT=PDF
set TMSSPDFORIENTATION=landscape
set TMSSPDFPAGESIZE=letter
set TMSSPDFOUTPUTPATH=./Inventory_Report_US01.pdf
set TMSSPDFCOLORHDR100=FF0000
set TMSSPDFLOGOPATH=./invoice_logo.jpg
set TMSSREPORTTITLE100=US01 Inventory
set TMSSREPORTCOLUMNDELETE=1,5,8,9,10
set TMSSUNQUALIFIEDVOLUME=true

TMSS10Inventory -S user:-password@serveraddress -V US01.*.* 2> err.txt
```

technote, report, pdf, cli

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