

# Dicom sorter windows user manual

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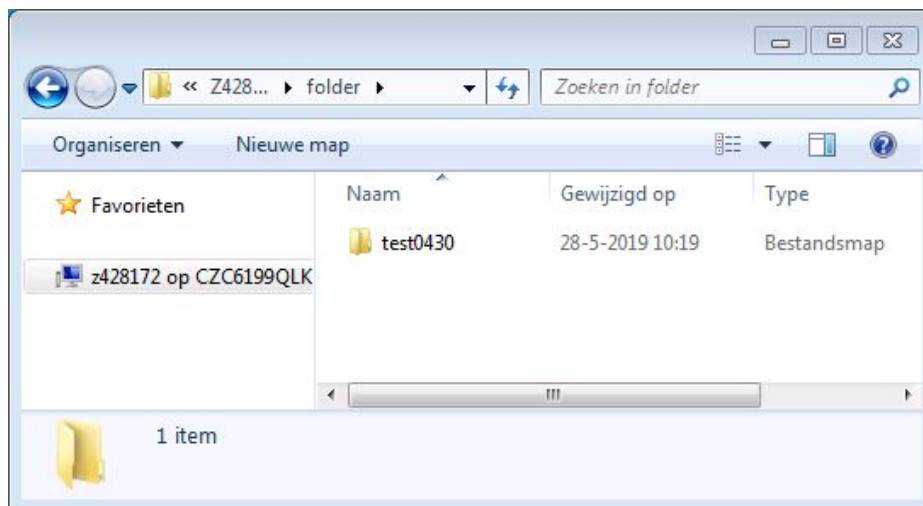
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## Sorting all dicom files in a directory

Sorting all dicom files in a given directory, in 3 steps.

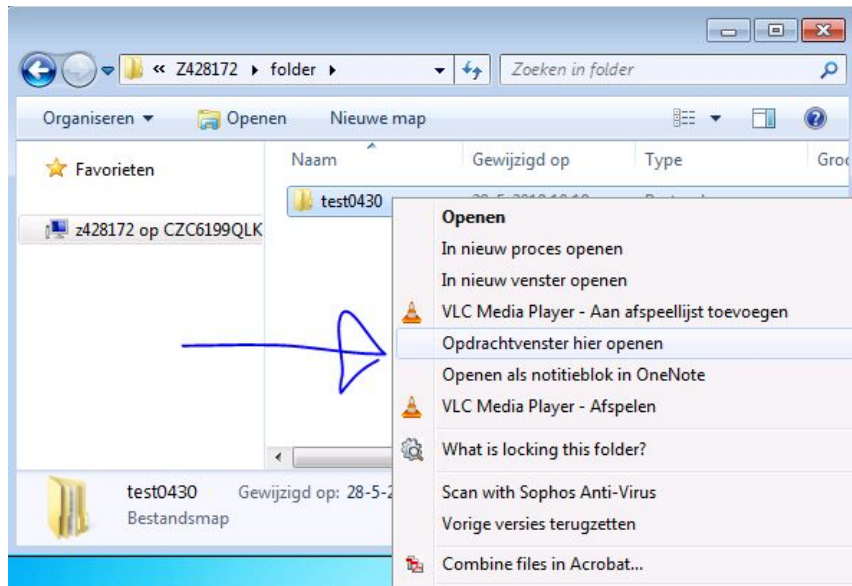
### Step 1: Go to folder

Start with the folder you want to sort

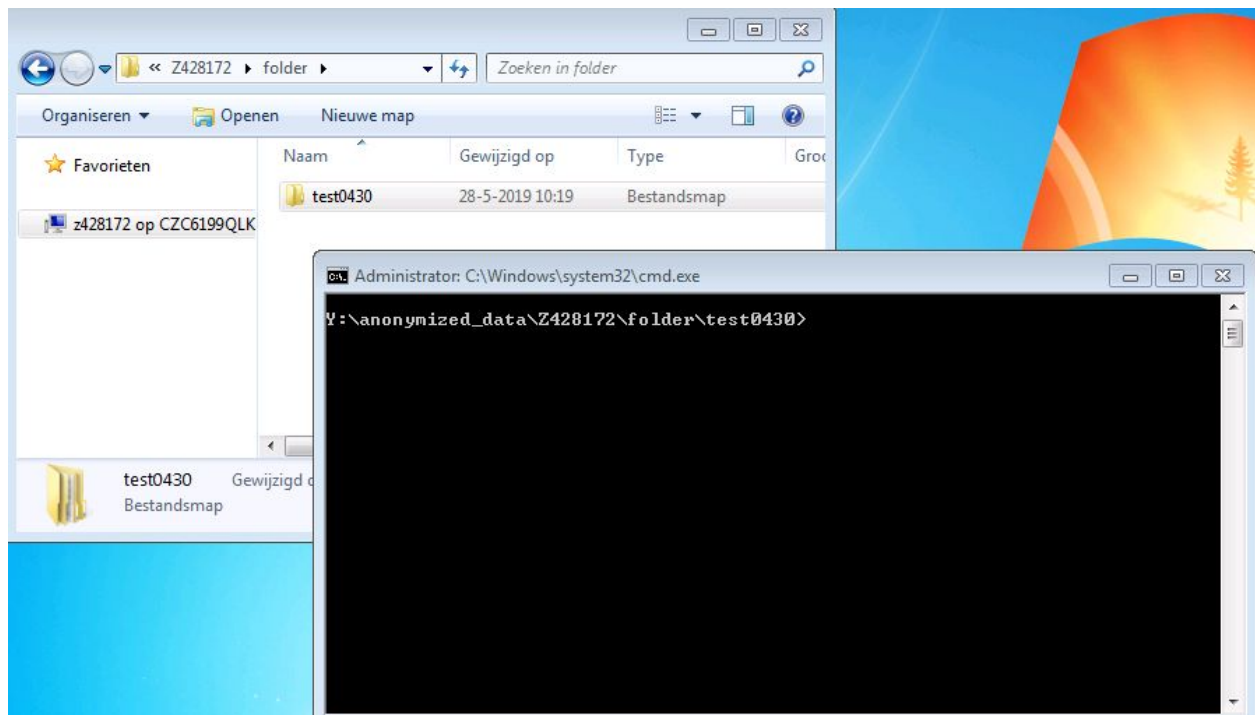


## Step 2: Open command prompt

Hold the **Shift** key and **right-click** on the folder you want to sort. Select 'Opdrachtvenster hier openen'




This will open a windows command line prompt:



## Step 3: Type the sorting command

Type the following command: **tbt sorter sort . nucmed**



```
Administrator: C:\Windows\system32\cmd.exe
X:\anonymized_data\Z428172\folder\test0430>tbt sorter sort . nucmed
```

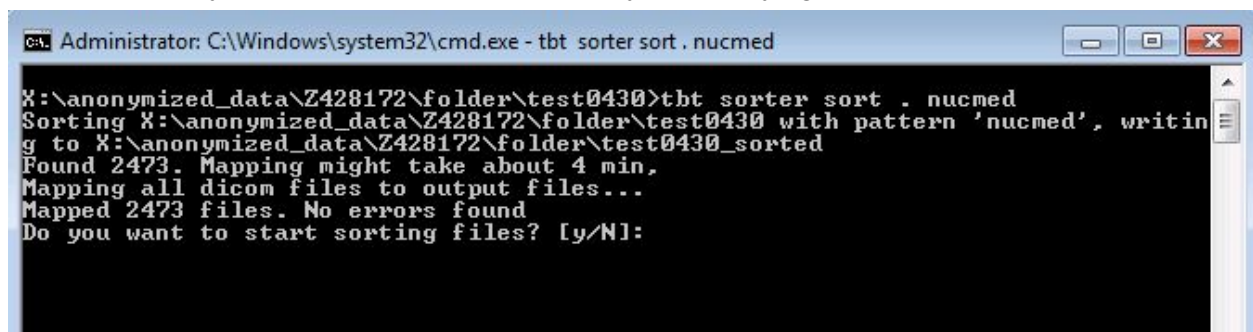
This command consists of the following parts:

<b>tbt</b>	<b>sorter</b>	<b>sort</b>	<b>. (a dot)</b>	<b>nucmed</b>
Trial Bureau Tools. The start command for all trial bureau scripts	Use the dicom sorter	From sorter, use the sort function (as opposed to creating new sorting patterns for example)	Dot means 'this folder'. The dot after sort means 'sort the contents of this folder'. You could also put an actual directory here, like 'C:\somefolder'	Sort the folder using pattern 'nucmed' See X for patterns

Press **enter**

The sorter will now start to read all dicom files in the folder to determine where to put them. This might take several minutes if there are many files. No files are copied or moved yet in this step.

After all files in folder have been read and there were no problems, there will be a short overview and a yes/no choice whether to actually start copying files.



```
Administrator: C:\Windows\system32\cmd.exe - tbt sorter sort . nucmed
X:\anonymized_data\Z428172\folder\test0430>tbt sorter sort . nucmed
Sorting X:\anonymized_data\Z428172\folder\test0430 with pattern 'nucmed', writing to X:\anonymized_data\Z428172\folder\test0430_sorted
Found 2473. Mapping might take about 4 min.
Mapping all dicom files to output files...
Mapped 2473 files. No errors found
Do you want to start sorting files? [y/N]:
```

If this all look OK, type '**y**' and press **enter**.

Now all you have to do is wait for the sorting to be done. The copying of files might again take quite a while. The speed depends a lot on where the folder is. On a slow network share it might take several minutes. On a local harddrive it might be several times faster.

## Sorting with the standard IDIS pattern

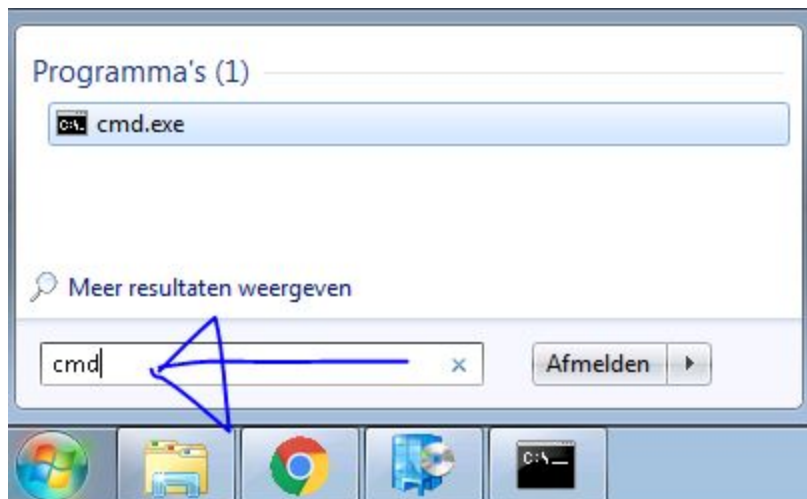
To sort data with the pattern that the anonymization server uses, follow all [steps above](#). Except in step 3, use the command **tbt sorter sort . idis** (Instead of 'tbt sorter sort . nucmed')

## How is the data sorted?

In the default command **tbt sorter sort . nucmed**, the data is sorted with the pattern 'nucmed'. To see what this pattern does, first open a command prompt:

### Step 1: Open a command prompt

In [Sorting data Step 2](#), a command prompt was opened by shift-right-clicking a folder. You can also open a command directly by clicking the windows start menu and typing 'cmd' + **enter**



This will open a command prompt in your user directory:

```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [versie 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Alle rechten voorbehouden.
C:\Users\z428172>
```

## Step 2: type command to show sort patterns

Type: **tbt sorter pattern list** and press enter

```
Administrator: C:\Windows\system32\cmd.exe
C:\Users\z428172>tbt sorter pattern list
idis: <0010,0020>/<0008,1030>-<0008,0050>/<0008,103e>-<0008,0060>-<0020,0011>/<count:SOPInstanceUID>
nucmed: <0010,0020>/<0008,1030>-<0008,0050>/<0008,0020>/<0008,103e>-<0008,0060>-<0020,0011>/<count:SOPInstanceUID>
C:\Users\z428172>
```

This will show all available patterns, including 'nucmed'. Each element between brackets stands for a dicom tag. The new location of each file is determined by filling in the value of each dicom tag. If a tag is preceded by 'Count': each different value is counted instead.

For more detailed information on patterns, see the [module documentation online](#)

## Command overview

<b>tbt sorter sort . nucmed</b>	Sort the current folder like nucmed data
<b>tbt sorter sort . idis</b>	Sort the current folder in the standard IDIS way
<b>tbt sorter pattern list</b>	See a list of all available sorting patterns