# Using gnverify on MS Windows 10

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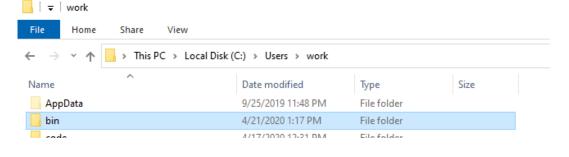
#### Installation

1. Go to https://github.com/gnames/gnverify/releases/latest and download zip file for windows (it will have version higher than on the picture).

This zip file contains just one compressed executable file.



2. Create a folder called bin in your home folder (This is the folder with Downloads, Pictures, Descktop folders).



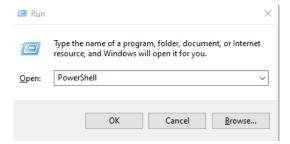
3. Unzip gnverify.exe file from the zip and place it into the bin folder.



- 4. Create data folder in your home folder.
- 5. Open your data in Excel or Word and save scientific names, one per line or per row in a text file or tab-separated (tsv) file. Place this file into data folder. In our example we will call the file my-checklist.tsv.

#### Usage

1. Push Win-R buttons on your keyboard to get a command prompt. Type there "PowerShell" and press Enter [Fig 4].



2. You will see the PowerShell terminal window. Type the following commands:

```
cd ~\bin
gnverify "Plantago major"
```

After a short delay you should see a result printed on the screen as a comma-separated value output. As our next step we will read data from a file and save resulting output into a file as well.

```
Windows PowerShell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\work> cd ~\bin
PS C:\Users\work\bin> gnverify "Plantago major"
Kind,MatchType,SuppliedId,ScientificName,MatchedName,MatchedCanonical,TaxonId,CurrentName,EditDistance,DataSourceId,Dat aSourceTitle,ClassificationPath
BestMatch,Exact,,Plantago major,Plantago major Elliott,Plantago major,53918411,Plantago rugelii Decne.,0,1,Catalogue of Life,Plantae|Tracheophyta|Magnoliopsida|Lamiales|Plantaginaceae|Plantago|Plantago rugelii
PS C:\Users\work\bin>
```

3. To map data from your checklist to, for example, Catalogue of Life data, type:

```
gnverify ..\data\my-checklist.tsv -s 1 -p > ..\data\my-checklist-col-map.csv
```

This will verify your names against data in Cataloguve of Life and send resuting output to a new file. Now this file can be opened in Excel or Google Doc.

4. To learn more about options of gnverify type

gnverify --help

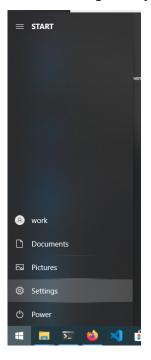
```
PS C:\Users\users\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\upers\
```

You can also read about goverify at its github site

## Making goverify available from any folder

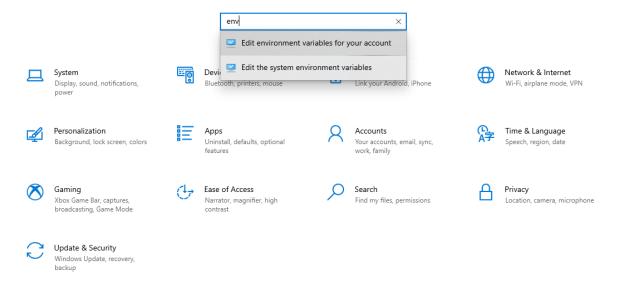
You can always run gnverify from the bin folder, but it is not very convenient. For example, you might like to run it from your data folder.

1. To make gnverify availble from any folder press the Win button and choose settings.

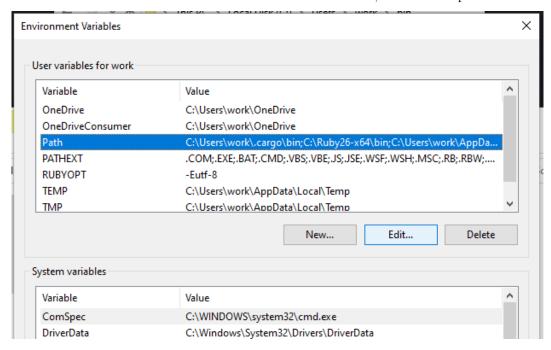


2. You will see settings windows with a search prompt in the center. Type "env" in the search prompt and you will see a couple of returned results. Choose "Edit environment variables for your account".

#### Windows Settings



3. Now we need to find PATH variable in the first window, select it and push "Edit" button



4. When you see Edit window, push "New" button and type in either a full path to the bin folder (Something like C:\Users\my-user\bin) or %USERPROFILE%\bin

Environment Variables

Va
Ot
Ot
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Other Action (Cally Sers North). Cargo\bin
New

Edit

Browse...

Delete

Move Up

Move Down

Edit text...

Cancel

Cancel

OK

OK

٨

%USERPROFILE%\AppData\Local\Microsoft\WindowsApps

5. Now you can use gnverify from any folder in PowerShell or cmd terminal window.

cd ~\data
gnverify my-checklist.tsv

C:\Ruby26-x64\bin

%USERPROFILE%\bin

Or

Pa

PΑ

RL TE

TN

Syste

Va

Cc

Dr NI OS Pa PA PF