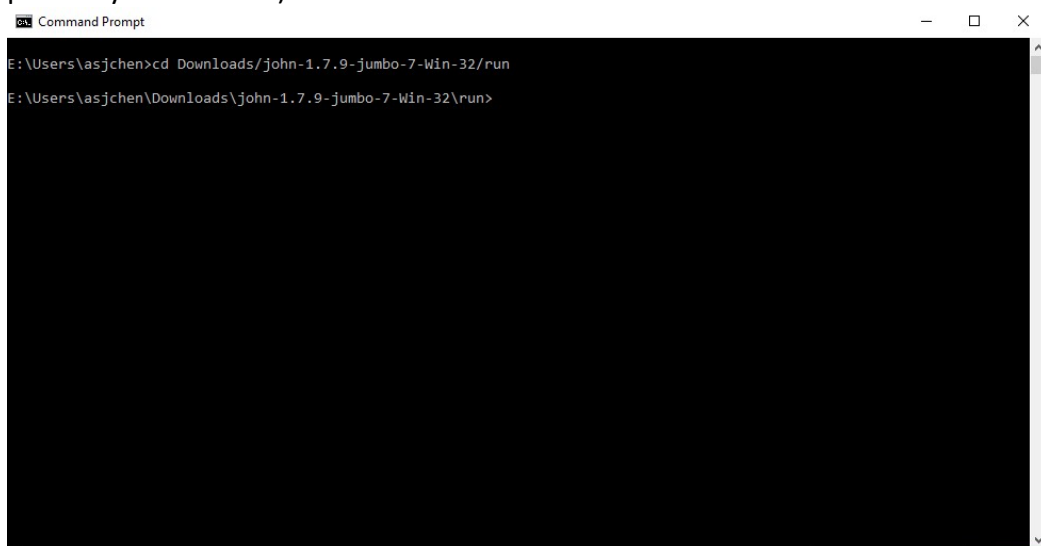


## Instructions for Running John the Ripper on Windows:

- 1) Visit <http://openwall.info/wiki/john/custom-builds#Compiled-for-Windows> and find [john-1.7.9-jumbo-7-Win-32.zip](#). Download this file and unzip it (double click it in Windows Explorer). We will assume from now on that the folder john-1.7.9-jumbo-7-Win-32 lies in the folder ~/Downloads.
- 2) Open Command Prompt. Type in the command

```
cd ~/Downloads/john-1.7.9-jumbo-7-Win-32/run
```

You should see something like (in the picture, I omitted the ~, which you should probably still include):



- 3) Open Notepad, Sublime Text, or another text editor, and copy/paste each user's account information on a different line. Each line should be in the format:

```
username:$dynamic_25$hash$salt
```

For example, if the user admin has hash 317fe16a5f409e871b21c3460a75dab8dc906767 and salt \*Utf&+s5, then you should type

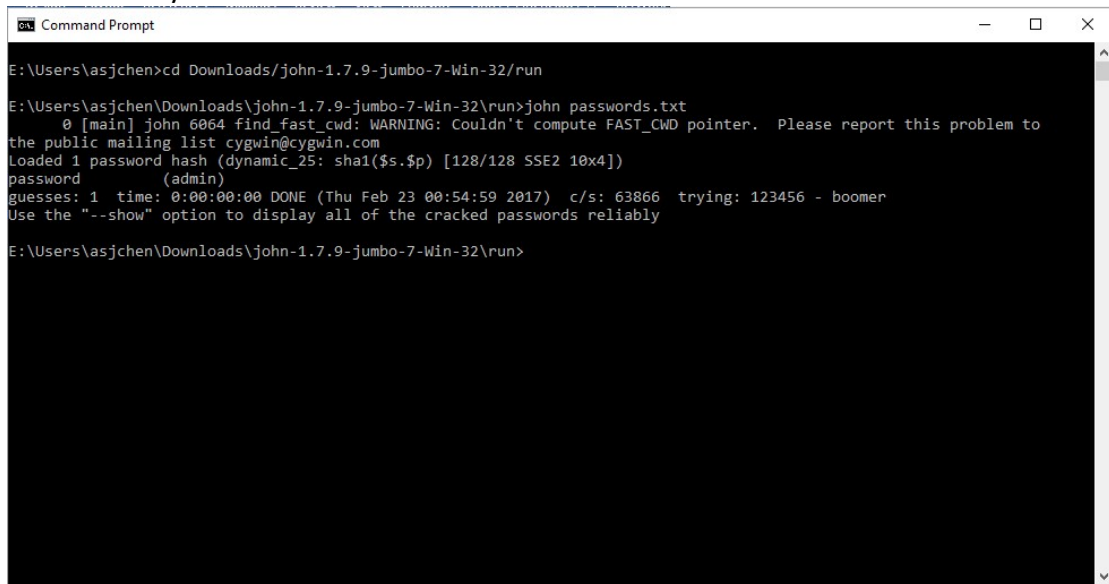
```
admin:$dynamic_25$317fe16a5f409e871b21c3460a75dab8dc906767$*Utf&+s5
```

Save the text file as passwords.txt, and make sure to save it in the run folder from Step 2.

- 4) Run the command:

```
john passwords.txt
```

You will likely see a result that looks like this:

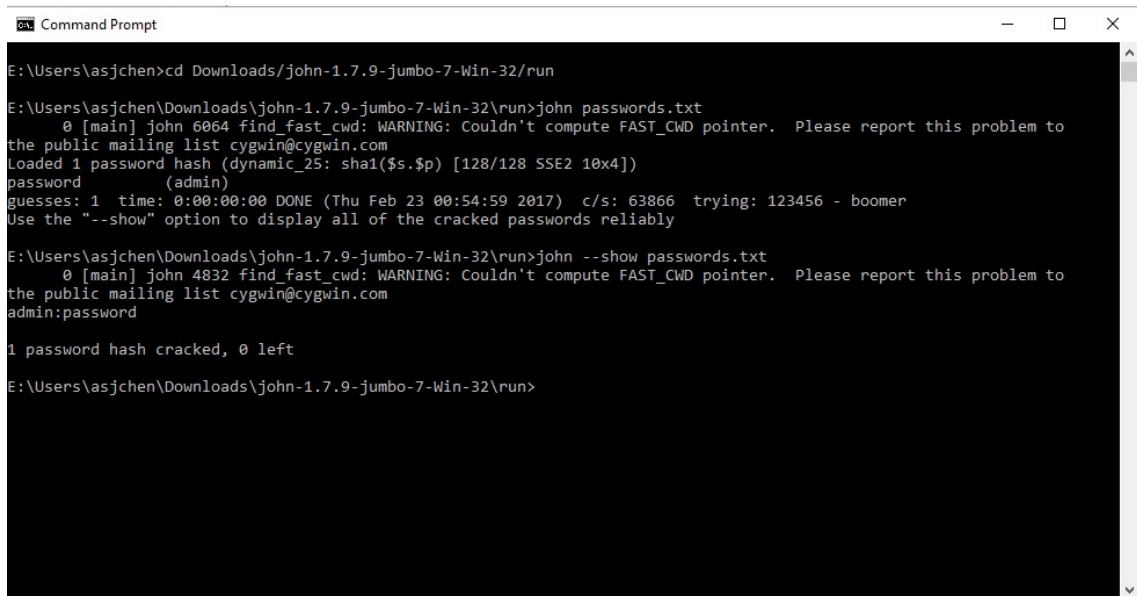


```
E:\Users\asjchen>cd Downloads\john-1.7.9-jumbo-7-Win-32\run
E:\Users\asjchen\Downloads\john-1.7.9-jumbo-7-Win-32\run>john passwords.txt
  0 [main] john 6064 find_fast_cwd: WARNING: Couldn't compute FAST_CWD pointer. Please report this problem to
the public mailing list cygwin@cygwin.com
Loaded 1 password hash (dynamic_25: sha1($s.$p) [128/128 SSE2 10x4])
password      (admin)
guesses: 1 time: 0:00:00:00 DONE (Thu Feb 23 00:54:59 2017) c/s: 63866 trying: 123456 - boomer
Use the "--show" option to display all of the cracked passwords reliably
E:\Users\asjchen\Downloads\john-1.7.9-jumbo-7-Win-32\run>
```

5) Now, run the command:

```
john --show passwords.txt
```

and see the cracked passwords! (Here, the user “admin” has the password “password”).)



```
E:\Users\asjchen>cd Downloads\john-1.7.9-jumbo-7-Win-32\run
E:\Users\asjchen\Downloads\john-1.7.9-jumbo-7-Win-32\run>john passwords.txt
  0 [main] john 6064 find_fast_cwd: WARNING: Couldn't compute FAST_CWD pointer. Please report this problem to
the public mailing list cygwin@cygwin.com
Loaded 1 password hash (dynamic_25: sha1($s.$p) [128/128 SSE2 10x4])
password      (admin)
guesses: 1 time: 0:00:00:00 DONE (Thu Feb 23 00:54:59 2017) c/s: 63866 trying: 123456 - boomer
Use the "--show" option to display all of the cracked passwords reliably
E:\Users\asjchen\Downloads\john-1.7.9-jumbo-7-Win-32\run>john --show passwords.txt
  0 [main] john 4832 find_fast_cwd: WARNING: Couldn't compute FAST_CWD pointer. Please report this problem to
the public mailing list cygwin@cygwin.com
admin:password

1 password hash cracked, 0 left
E:\Users\asjchen\Downloads\john-1.7.9-jumbo-7-Win-32\run>
```

## Instructions for Running John the Ripper on Mac OSX:

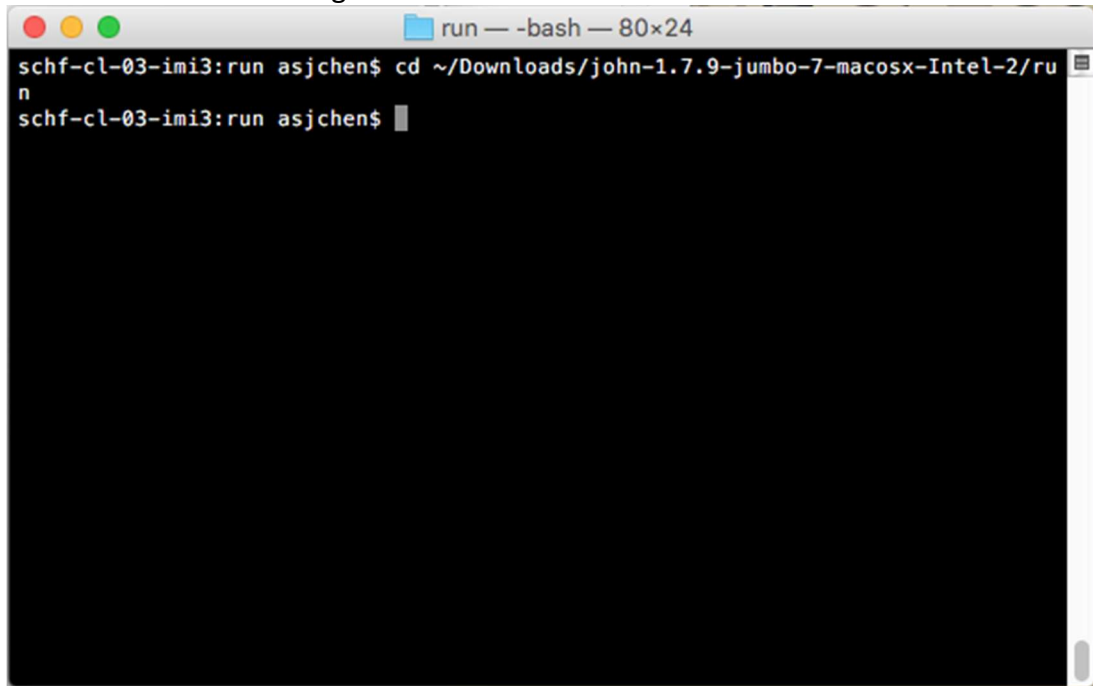
- 1) Visit <http://openwall.info/wiki/john/custom-builds#Compiled-for-Mac-OS-X> and find the file [john-1.7.9-jumbo-7-macosx-Intel-2.zip](#). Download this file and unzip it (double click

it in Finder). We will assume from now on that the folder `john-1.7.9-jumbo-7-macosx-Intel-2` lies in the folder `~/Downloads`.

- 2) Open Terminal. Type in the command

```
cd ~/Downloads/john-1.7.9-jumbo-7-macosx-Intel-2/run
```

You should see something like this:



```
schf-cl-03-imi3:run asjchen$ cd ~/Downloads/john-1.7.9-jumbo-7-macosx-Intel-2/run
schf-cl-03-imi3:run asjchen$
```

Make sure that you have the dollar sign before your cursor.

- 3) Open TextEdit, Sublime Text, or another text editor, and copy/paste each user's account information on a different line. Each line should be in the format:

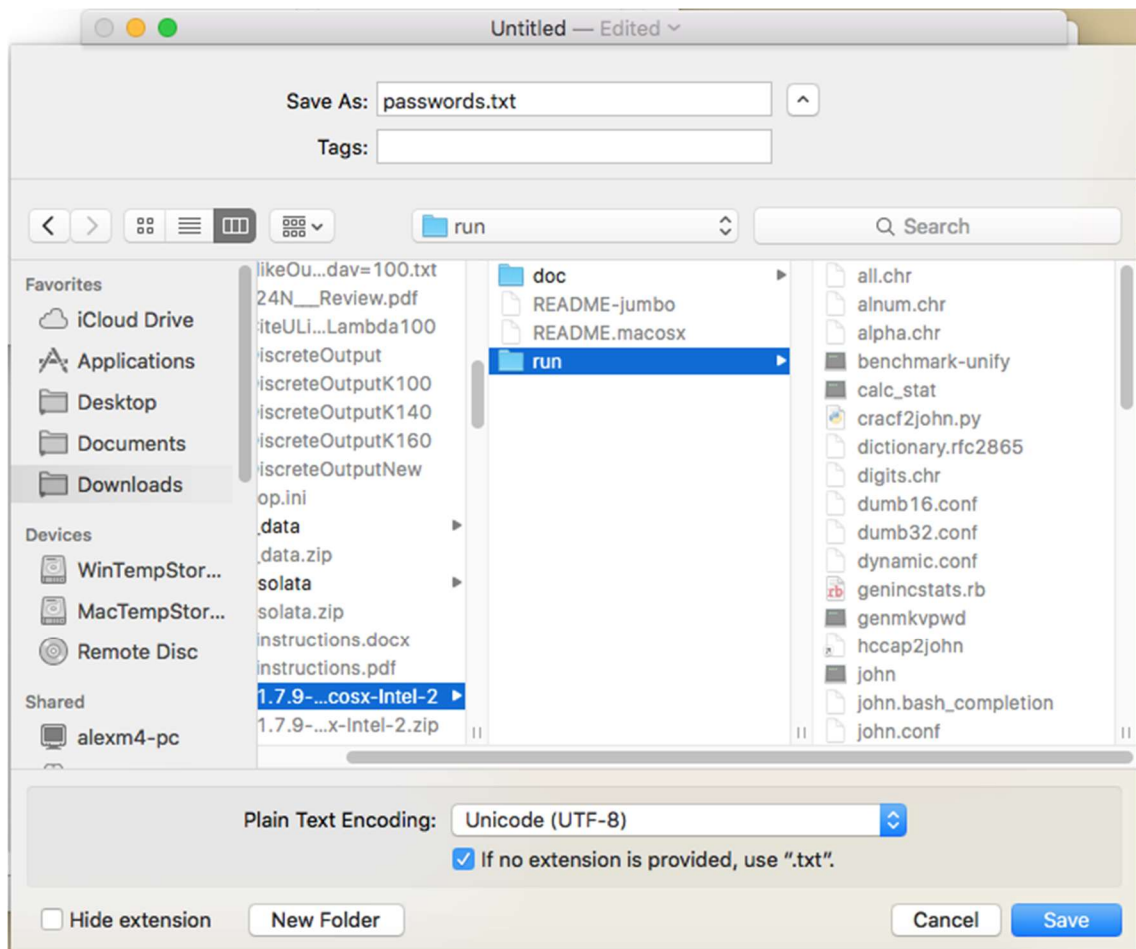
```
username:$SHA1p$salt$hash
```

For example, if the user `admin` has hash

`317fe16a5f409e871b21c3460a75dab8dc906767` and salt `*Utf&+s5`, then you should type

```
admin:$SHA1p$*Utf&+s5$317fe16a5f409e871b21c3460a75dab8dc906767
```

Save the text file as `passwords.txt`, and make sure to save it in the `run` folder from Step 2:



4) Run the command:

```
./john --format=sha1-gen passwords.txt
```

You may need to wait a while until John is complete, but for the admin example, John should finish quickly:

```
run — -bash — 80x24
schf-cl-05-imi3:run asjchen$ cd ~/Downloads/john-1.7.9-jumbo-7-macosx-Intel-2/run
schf-cl-05-imi3:run asjchen$ ./john --format=sha1-gen passwords.txt
Loaded 1 password hash (Generic salted SHA-1 [32/64])
password      (admin)
guesses: 1  time: 0:00:00:00 DONE (Wed Feb 22 23:11:37 2017)  c/s: 5606  trying:
password
Use the "--show" option to display all of the cracked passwords reliably
schf-cl-05-imi3:run asjchen$
```

5) Now, run the command:

```
./john --show passwords.txt
```

and see the cracked passwords! (Here, the username:password combination is admin:password.)

```
run — -bash — 80x24
schf-cl-05-imi3:run asjchen$ cd ~/Downloads/john-1.7.9-jumbo-7-macosx-Intel-2/run
schf-cl-05-imi3:run asjchen$ ./john --format=sha1-gen passwords.txt
Loaded 1 password hash (Generic salted SHA-1 [32/64])
password      (admin)
guesses: 1  time: 0:00:00:00 DONE (Wed Feb 22 23:11:37 2017)  c/s: 5606  trying:
password
Use the "--show" option to display all of the cracked passwords reliably
[schf-cl-05-imi3:run asjchen$ ./john --show passwords.txt
Warning: SAP-F/G format should always be UTF-8.
Convert your input files to UTF-8 and use --encoding=utf8
admin:password

1 password hash cracked, 0 left
schf-cl-05-imi3:run asjchen$
```