

# GitHub - skalkoto/winexe

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winexe README

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Building

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Winexe makes use of Samba version 4.

Winexe can be built such that it is statically linked to Samba libraries, resulting in an executable that is several megabytes in size. The winexe binary is still dynamically linked to a number of shared libraries such as libc.

On some distributions winexe can be built such that it is linked to Samba shared libraries, resulting in an executable less than 100 kilobytes in size.

Instructions for Samba static library build

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On Debian install dependencies.

```
apt-get install \  
  gcc-mingw-w64 \  
  comerr-dev \  
  libpopt-dev \  
  libbsd-dev \  
  zlib1g-dev \  
  libc6-dev \  
  python-dev
```

On RedHat-like distros including those in the following list, install

dependencies.

- \* Fedora 18
- \* CentOS 6 with added EPEL repo and lfarkas's repo  
(<http://www.lfarkas.org/linux/packages/centos/6/mingw-w64/>)

```
yum install \  
gcc \  
perl \  
mingw-binutils-generic \  
mingw-filesystem-base \  
mingw32-binutils \  
mingw32-cpp \  
mingw32-crt \  
mingw32-filesystem \  
mingw32-gcc \  
mingw32-headers \  
mingw64-binutils \  
mingw64-cpp \  
mingw64-crt \  
mingw64-filesystem \  
mingw64-gcc \  
mingw64-headers \  
libcom_err-devel \  
popt-devel \  
zlib-devel \  
zlib-static \  
glibc-devel \  
glibc-static \  
python-devel
```

Important: make sure that libbsd-devel is *\*not\** installed.

```
yum remove \  
libbsd-devel
```

Obtain the Samba source code.

```
git clone git://git.samba.org/samba.git samba
```

Build. The argument of the "samba-dir" option is the path to the samba source tree that was just obtained. The "configure" step takes a long time because it builds Samba.

```
cd source  
./waf --samba-dir=./samba configure build
```

Run.

```
build/winexe-static --help
```

The build system tries to find paths to headers and libraries, but you can also specify these as follows.

```
./waf configure --samba-dir=./samba --samba-inc-dirs=... --samba-lib-dirs=...
```

Instructions for Samba shared library build

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The following instructions are for Debian Wheezy with Samba packages from unstable (Jessie pre-release), at the time of writing the only distribution that has packaged Samba 4 with shared libraries. Even Jessie does not provide all the shared libraries needed by winexe as public libraries, but this can be worked around as explained below.

On Debian install dependencies.

```
apt-get install \  
  python2.7 \  
  gcc-mingw-w64 \  
  libtevent-dev
```

From Debian Jessie install dependencies.

```
apt-get -t unstable install samba-dev
```

Build.

```
cd source  
./waf configure build
```

Run.

```
build/winexe --help
```

To build the shared-library version while building the static-library version, use the "--enable-shared" option.

```
./waf configure --samba-dir=./samba --enable-shared
```

Issues

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## 1. Winexe blocked by Windows "simple file sharing" mode

Some versions of Windows operate in so-called "simple file sharing" mode. In this mode, when an attempt is made to access the system over the network using credentials that are local to that server or client, Windows will only provide guest level access.

To fix, you have to set the "Network Access: Sharing and security model for local accounts" to "Classic - local users authenticate as themselves". Access it via Start > Run > secpol.msc > Local Policies > Security Options, and change "Network Access: Sharing and security model for local accounts" to "Classic - local users authenticate as themselves".

Ref: <http://itbin.blogspot.com/2010/10/psexec-logon-failure-and-access-denied.html>

## 2. Winexe blocked by Windows Remote User Account Control

The LocalAccountTokenFilterPolicy setting affects how administrator credentials are applied to remotely administer the computer.

To use winexe with a Windows Vista or Windows 7 machine it is necessary to configure a registry setting as follows.

Click on the Windows "Start" icon, enter "cmd" and then press CTRL-SHIFT-ENTER. In the console window that subsequently opens, enter the following command.

```
reg add "HKLM\Software\Microsoft\Windows\CurrentVersion\Policies\system" /v LocalAccountTokenFilte
```

Ref: <http://support.microsoft.com/kb/942817>

### Credits

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### License

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Please see the COPYING file for the text of the GNU GPL version 3.

Source: <https://github.com/skalkoto/winexe/>