

# Build & Installation Procedure

## REQUIREMENTS

Whatever Unix environment; no particular system requirements needed.

The toolkit is based on **GOPHISH** (v 0.9.0).

## BUILD GOPHISH Extension <sup>[1][2]</sup>

1. Download repository containing source files:  
`$ git clone https://gitlab.com/Pirocca/gophish-ext-sources.git`
2. Download the Go archive based on the OS type (needed to compile source files):<sup>1</sup>  
`https://golang.org/dl/`
3. Extract the archive in /usr/local, for example:  
`$ tar -C /usr/local -xzf go1.2.1.linux-amd64.tar.gz`
4. Add the environment variable, inserting the following line in /etc/profile file, to finalize the installation of Go:  
`$ export PATH=$PATH:/usr/local/go/bin`
5. Compile the Gophish extension, going to \$GOPHISH\_PATH and executing:  
`$ go build`

## INSTALL GOPHISH Extension <sup>[1]</sup>

1. Download the archive containing binary files (IF NOT DONE THE BUILD PHASE ALREADY):  
`https://gitlab.com/Pirocca/gophish-ext-x64 or https://gitlab.com/Pirocca/gophish-ext-x86`
2. Create a new SSL certificate and Private Keys, needed for HTTPS communications:  
`$ openssl req -newkey rsa:2048 -nodes -keyout gophish.key -x509 -days 365 -out gophish.crt`
3. Move gophish.crt and gophish.key files into the \$GOPHISH\_PATH directory:  
`$ mv gophish.crt $GOPHISH_PATH  
$ mv gophish.key $GOPHISH_PATH`
4. Restore the original database (only if needed), deleting the \$GOPHISH\_PATH/gophish.db file

## RUN GOPHISH <sup>[3]</sup>

1. Start the server, going to the \$GOPHISH\_PATH directory and executing:  
`$ sudo ./gophish`
2. Navigate to <https://server.ip:3333>
3. Log in as administrator (Username: admin – Password: gophish)

## INSTALL & RUN SPOOFING SCRIPT <sup>[4]</sup>

1. Install Python3 dependencies:  
`$ sudo apt install python3-dnspython python3-tld python3-geoip python3-whois python3-requests python3-ssdeep`
2. Install dnstwist tool executing the following commands:  
`$ git clone https://github.com/elceef/dnstwist.git  
$ cd dnstwist  
$ pip install`
3. Download repository containing source files:  
`$ git clone https://gitlab.com/Pirocca/spoofing-script.git`
4. Go to \$SPOOF\_PATH and execute:  
`$ bash spoofing_script.sh`

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<sup>1</sup> Version 1.10 or higher is required.

## ADDITIONAL INFORMATION

- [1] <https://docs.getgophish.com/user-guide/installation>
- [2] <https://golang.org/doc/install>
- [3] <https://docs.getgophish.com/user-guide/getting-started>
- [4] <https://github.com/elceef/dnstwist>