Using WGET for Security Testing

The **wget** tool is a Linux/Kali tool designed access Web/FTP sites at the command line. The command line for **wget** is as follows:

```
$ wget --help
GNU Wget 1.21.3, a non-interactive network retriever.
Usage: wget [OPTION]... [URL]...

Mandatory arguments to long options are mandatory for short options too.

Startup:
  -V,  --version                  display the version of Wget and exit
  -h,  --help                     print this help
. . . . . .
       --user=USER                set both ftp and http user to USER
       --password=PASS            set both ftp and http password to PASS
  -U,  --user-agent=AGENT         identify as AGENT instead of Wget/VERSION
  -r,  --recursive                specify recursive download
  -P,  --directory-prefix=PREFIX  save files to PREFIX/..
  -m,  --mirror                   shortcut for -N -r -l inf --no-remove-listing
```

We can use **wget** to download a single file from a web site

```
$ wget http://www.snowcapcyber.co.uk/archive.zip

--2018-02-23 12:53:10-- https://wordpress.org/archive.zip
Resolving www.snowcapcyber.co.uk (www.snowcapcyber.co.uk)... 192.168.164.252
Connecting to www.snowcapcyber.co.uk (www.snowcapcyber.co.uk)|
192.168.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9332728 (8,9M) [application/zip]
Saving to: 'latest.zip'

latest.zip 100%[====================>] 8,90M 6,88MB/s in 1,3s

2018-02-23 12:53:14 (6,88 MB/s) – 'archive.zip' saved [9332728/9332728]
```

We can download a specific file and save it in a specific location using **wget**.

```
wget -P ./Download-Folder www.snowcapcyber.co.uk/index.html
```

We can use **wget** to download a complete web site for analysis latter

```
$ wget -mirror –p –convert-links –page-requisites –no-parent
 -P ./Download-Folder www.snowcapcyber.co.uk
```

We can also use **wget** to download a file from a password protected site.

```
$ wget --user ajcblyth --password MyP5 http://www.snowcapcyber.co.uk/archoive.zip
```

We can also get **wget** to ignore SSL checks when using the HTTPS protocol

```
$ wget --no-check-certification https://www.snowcapcyber.co.uk/archoive.zip
```

We can also use **wget** to download numbered files.

```
$ wget http://www.snowcapcyber.co.uk/{1..100}.zip
```

We can also use **wget** to access file and directories via FTP.

```
$ wget --ftp-user=ajcblyth --ftp-password=MyP5 ftp://ftp.snowcapcyber.co.uk/A.zip
```