wget is a command-line tool used to download files from the web, supporting HTTP, HTTPS, and FTP protocols.

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Basic Usage

Command	Description
wget URL	Download a file from a URL.
wget -O filename URL	Download and save as a specific filename.
wget -P /path/to/dir URL	Download to a specific directory.
wget -q URL	Quiet mode (no output).
wget -nv URL	Minimal output (non-verbose).

Example: Download a file and rename it

```
wget -O myfile.zip https://example.com/file.zip
```

Resume Interrupted Downloads

Command	Description
wget -c URL	Resume an interrupted download.

Example: Resume a large download

```
wget -c https://example.com/largefile.zip
```

Download Multiple Files

Command	Description
wget -i file.txt	Download URLs listed in file.txt.

Example: Download multiple files from a list

1. Create a file with URLs (urls.txt):

```
https://example.com/file1.zip
https://example.com/file2.zip
https://example.com/file3.zip
```

2. Run:

```
wget -i urls.txt
```

Mirroring a Website

Command	Description
wget -m URL	Mirror a full website.
wget –mirror –convert-links -P /path/to/dir URL	Download and fix links for offline browsing.

Example: Download an entire website

```
wget -m https://example.com
```

Download with Authentication

Command	Description
wget –user=username –password=password URL	Download from password-protected sites.

Command	Description
wget –http-user=username –http-password=password URL	HTTP authentication.

Example: Access a protected file

```
wget --user=admin --password=secret https://example.com/private.pdf
```

Limiting Download Speed & Retries

Command	Description
wget –limit-rate=200k URL	Limit speed to 200KB/s.
wget –tries=5 URL	Retry 5 times if the download fails.

Example: Download with limited bandwidth

```
wget --limit-rate=500k https://example.com/bigfile.iso
```

Downloading in Background

Command	Description
wget -b URL	Run in background.
wget -o log.txt URL	Log output to a file.

Example: Background download with logging

```
wget -b -o download.log https://example.com/large.iso
```

Checking File Integrity

Command	Description
wget URL && md5sum file	Verify file integrity.

Example: Check MD5 checksum after download

```
wget https://example.com/file.iso
md5sum file.iso
```

Downloading Specific File Types

Command	Description
wget -r -A "*.pdf" URL	Download only PDFs from a site.

Example: Download all .jpg images from a site

```
wget -r -A "*.jpg" https://example.com/images/
```

Summary

Feature	Command Example
Basic Download	wget URL
Resume Download	wget -c URL
Save with Custom Name	wget -O file.zip URL
Download Multiple URLs	wget -i urls.txt
Limit Download Speed	wget –limit-rate=500k URL
Mirror Website	wget -m https://example.com
Background Download	wget -b URL
Authentication	wget –user=admin –password=secret URL

This Linux wget Cheat Sheet helps you download files efficiently using various options!