

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
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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
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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.
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
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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
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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!