

How To Resume wget Downloads

```
greys@redhat:/dist/iso $ wget -c http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-Stream-x86_64-dvd1.iso
--2019-09-30 15:34:48-- http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-Stream-x86_64-dvd1.iso
Resolving ftp.heanet.ie (ftp.heanet.ie)... 87.44.34.235
Connecting to ftp.heanet.ie (ftp.heanet.ie)|87.44.34.235|:80... connected.
HTTP request sent, awaiting response... 206 Partial Content
Length: 8572108800 (8.0G), 3268464252 (3.0G) remaining [application/octet-stream]
Saving to: 'CentOS-Stream-x86_64-dvd1.iso'

CentOS-Stream-x86_64-dvd1.is 62%[+++++++++ ] 4.96G 2.10MB/s eta 26m 56s
```

Resume wget download

I'm downloading [CentOS 8 Stream](#) as we speak, and it's a large enough ISO file – standard 8GB DVD image. I stopped download because I wanted to restart it in a [tmux session](#), and realised that it's a good opportunity to explain how this works.

How To Start Wget Download

Assuming you go to the [CentOS Stream Download](#) page and pick an image to download, you'll end up with a download URL like this:

```
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-Stream-x86_64-dvd1.iso
```

Using **wget**, here's how you can start downloading it:

```
greys@redhat:/dist/iso $ wget
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-Stream-x86_64-dvd1.iso
--2019-09-30 14:35:36--
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-Stream-x86_64-dvd1.iso
```

```
Resolving ftp.heanet.ie (ftp.heanet.ie)... 87.44.34.235
Connecting to ftp.heanet.ie (ftp.heanet.ie)|87.44.34.235|:80...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 8572108800 (8.0G) [application/octet-stream]
Saving to: 'CentOS-Stream-x86_64-dvd1.iso'
CentOS-Stream-x86_64-dvd1.iso  1%[+          ] 100.83M  1.77MB/s
eta 73m 43s
^C
```

At any time you can press Ctlr+C to stop the process. A file with unfinished download will be left in the current directory:

```
greys@redhat:/dist/iso $ ls -ald *iso
-rw-rw-r--. 1 greys 118453636 Sep 30 14:37 CentOS-Stream-
x86_64-dvd1.iso
```

And if you just re-run the same **wget** command, your download will actually restart:

```
greys@redhat:/dist/iso $ wget
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-Stream-x86_64-dvd1.iso
--2019-09-30 14:44:08--
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-Stream-x86_64-dvd1.iso
Resolving ftp.heanet.ie (ftp.heanet.ie)... 87.44.34.235
Connecting to ftp.heanet.ie (ftp.heanet.ie)|87.44.34.235|:80...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 8572108800 (8.0G) [application/octet-stream]
Saving to: 'CentOS-Stream-x86_64-dvd1.iso.1'
CentOS-Stream-x86_64-dvd1.iso.1  0%[+          ] 24.88M  775KB/s
eta 2h 13m
^C
```

If you notice though, the download restarts with a different filename: **CentOS-Stream-x86_64-dvd1.iso.1** in my case. So wget kept your previous download attempt and started a new one:

```
greys@redhat:/dist/iso $ ls -ald iso
-rw-rw-r--. 1 greys 118453636 Sep 30 14:37 CentOS-Stream-
x86_64-dvd1.iso
-rw-rw-r--. 1 greys 26088163 Sep 30 14:44 CentOS-Stream-
x86_64-dvd1.iso.1
```

How To Resume wget Download

Assuming we want to resume download, you need to use the **wget -c** option:

```
greys@redhat:/dist/iso $ wget -c
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-St
ream-x86_64-dvd1.iso
--2019-09-30 14:45:27--
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-St
ream-x86_64-dvd1.iso
Resolving ftp.heanet.ie (ftp.heanet.ie)... 87.44.34.235
Connecting to ftp.heanet.ie (ftp.heanet.ie)|87.44.34.235|:80...
connected.
HTTP request sent, awaiting response... 206 Partial Content
Length: 8572108800 (8.0G), 8453655164 (7.9G) remaining
[application/octet-stream]
Saving to: 'CentOS-Stream-x86_64-dvd1.iso'
CentOS-Stream-x86_64-dvd1.iso 1%[+ ] 120.68M 1.49MB/s
eta 91m 20s
^C
```

So it picked up the original 100MB or so downloaded file and

resumed downloading from 100MB+ location.

If we stop this with Ctlr+C again, we'll see the following:

```
greys@redhat:/dist/iso $ ls -ald iso
-rw-rw-r--. 1 greys 126668812 Sep 30 14:45 CentOS-Stream-
x86_64-dvd1.iso
-rw-rw-r--. 1 greys  26088163 Sep 30 14:44 CentOS-Stream-
x86_64-dvd1.iso.1
greys@redhat:/dist/iso $ du -sh iso
121M    CentOS-Stream-x86_64-dvd1.iso
25M    CentOS-Stream-x86_64-dvd1.iso.1
```

So yes, it's clearly the first file that is slightly larger down – meaning if we continue downloading, it will start from about 126MB location:

```
greys@redhat:/dist/iso $ wget -c
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-St
ream-x86_64-dvd1.iso
--2019-09-30 14:47:08--
http://ftp.heanet.ie/pub/centos/8-stream/isos/x86_64/CentOS-St
ream-x86_64-dvd1.iso
Resolving ftp.heanet.ie (ftp.heanet.ie)... 87.44.34.235
Connecting to ftp.heanet.ie (ftp.heanet.ie)|87.44.34.235|:80...
connected.
HTTP request sent, awaiting response... 206 Partial Content
Length: 8572108800 (8.0G), 8445439988 (7.9G) remaining
[application/octet-stream]
Saving to: 'CentOS-Stream-x86_64-dvd1.iso'

CentOS-Stream-x86_64-dvd1.iso  1%[+          ] 127.76M  1.63MB/s
eta 98m 41s
```

And that's how you resume wget downloads and continue when

previous wget download left off.

See Also

- **wget command**
- [wget vs curl](#)
- [Test TCP connectivity with curl](#)