Compare curl with other download tools

This comparison only involves entirely free and open source software.

Feature	curl	snarf	wget	wget2	pavuk	fget	fetch	lftp	aria2	HT
.netrc	yes	no	yes	yes	no	no	yes	yes	yes	
Bandwidth Limiting	yes	no	yes	yes	yes	no	no	yes	yes	
Commerical support	yes	no	no	no	no	no	no	no	no	
DNS-over-HTTPS	yes	no	no	no	no	no	no	no	no	
FTP 3rd Party Transfer	no	no	no	no	no	no	no	yes	no	
FTP Active Mode	yes	yes	yes	yes	yes	no	yes	yes	yes	
FTP Connection Re-use	yes	no	no	no	yes	no	yes	yes	yes	
FTP Kerberos	yes	no	no	no	no	no	no	no	no	
FTP Ranges	yes	no	no	no	no	no	no	no	no	
FTP Resume	yes	yes	yes	yes	yes	no	yes	yes	yes	
FTP Upload	yes	no	no	no	no	no	no	yes	no	
FTPS	yes	no	no	no	yes	no	no	yes	no	
GOPHER	yes	yes	no	no	yes	no	no	yes	no	
Happy Eyeballs	yes	no	no	no	no	no	no	no	no	
HSTS	yes*	no	yes	yes	no	no	no	no	no	
HTTP alt-svc	yes	no	no	no	no	no	no	no	no	
HTTP brotli	yes	no	no	yes	no	no	no	no	no	
HTTP Cookies	yes	no	yes	yes	yes	no	no	yes	yes	
HTTP Digest Auth	yes	no	yes	yes	yes	no	yes	no	no	
HTTP etags	yes	no	no	no	no	no	no	no	no	
HTTP gzip	yes	no	no	yes	yes	no	no	no	yes	
HTTP Multipart POST	yes	no	no	no	yes	no	no	no	no	
HTTP Negotiate Auth	yes	no	no	no	no	no	no	no	no	
HTTP NTLM Auth	yes	no	yes	yes	yes	no	no	no	no	
HTTP Persistent Conns	yes	no	yes	yes	yes	no	no	yes	yes	
HTTP POST	yes	no	yes	yes	yes	no	no	yes	no	

Feature	curl	snarf	wget	wget2	pavuk	fget	fetch	lftp	aria2	HT
HTTP POST Chunked	yes	no	no	no	no	no	no	no	no	
HTTP Proxy	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HTTP PUT	yes	no	no	no	no	no	no	yes	no	
HTTP Ranges	yes	no	no	no	no	no	no	no	no	
HTTP Redirects	yes	yes	yes	yes	yes	no	yes	no	yes	
HTTP Resume	yes	yes	yes	yes	yes	no	yes	yes	yes	
HTTP time conditions	yes	no	yes	yes	no	no	no	no	no	
HTTP zstd	yes	no	no	yes	no	no	no	no	no	
HTTP/1.1	yes	no	yes	yes	yes	no	yes	yes	yes	yes
HTTP/2 ALPN	yes	no	no	yes	no	no	no	no	no	
HTTP/2 h2c upgrade	yes	no	no	yes	no	no	no	no	no	
HTTP/2 NPN	yes	no	no	no	no	no	no	no	no	
HTTP/3	yes	no	no	no	no	no	no	no	no	
HTTPS	yes	no	yes	yes	yes	no	yes	yes	yes	yes
HTTPS Proxy	yes	no	no	no	no	no	no	no	no	
IDN hostnames	yes	no	yes	yes	no	no	no	no	no	
IMAP	yes	no	no	no	no	no	no	no	no	
IPv6	yes	no	yes	yes	yes	yes	yes	yes	yes*	yes
LDAP	yes	no	no	no	no	no	no	no	no	
Metalink	yes	no	yes	yes	no	no	no	no	yes	
MQTT	yes	no	no	no	no	no	no	no	no	
Multilingual Messages	no	no	yes	yes	yes	no	no	yes	yes	
Multiple URLs	yes	yes	yes	yes	yes	no	yes	no	yes	
Parallel transfers	yes	no	no	no	yes	no	no	yes	yes	yes
POP3	yes	no	no	no	no	no	no	no	no	
Recursive downloads	no	no	yes	yes	yes	no	no	yes	no	yes
Retry failed downloads	yes	no	yes	yes	yes	no	yes	yes	yes	yes
RTMP	yes	no	no	no	no	no	no	no	no	
RTSP	yes	no	no	no	no	no	no	no	no	
Same file multi connect	no	no	no	yes	no	no	no	no	yes	
SCP	yes	no	no	no	no	no	no	no	no	

Feature	curl	snarf	wget	wget2	pavuk	fget	fetch	lftp	aria2	H...
SFTP	yes	no	no	no	no	no	no	yes	no	
SMB	yes	no	no	no	no	no	no	no	no	
SMTP	yes	no	no	no	no	no	no	no	no	
SOCKS proxy	yes	yes	no	no	yes	no	no	yes	no	
TELNET	yes	no	no	no	no	no	no	no	no	
TFTP	yes	no	no	no	no	no	no	no	no	
Tiny Executable	no	yes	no	no	no	yes	yes	no	no	
TLS: BearSSL	yes	no	no	no	no	no	no	no	no	
TLS: Client certs	yes	no	yes	yes	no	no	no	no	no	
TLS: GnuTLS	yes	no	yes	yes	no	no	no	yes	yes	
TLS: mbedTLS	yes	no	no	no	no	no	no	no	no	
TLS: MesaLink	yes	no	no	no	no	no	no	no	no	
TLS: NSS	yes	no	no	no	no	no	no	no	no	
TLS: Schannel	yes	no	no	no	no	no	no	no	no	
TLS: Secure Transport	yes	no	no	no	no	no	no	no	no	
TLS: Session ID cache	yes	no	no	yes	no	no	no	no	no	
TLS: WolfSSL	yes	no	no	no	no	no	no	no	no	
URL globbing/sequences	yes	no	yes	yes	yes	no	no	no	yes	
Username/Password	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Windows Port	yes	no	yes	yes	no	no	no	no	yes	yes
License	MIT	GPL	GPL	GPL	GPL	?	BSD	GPL	GPL	G...
Version	7.73.0	7.0	1.17	?	0.9.34	0.4.1	4.7	3.5.0	1.8.3	3...

The mentioned tools: snarf, wget, wget2, pavuk, fget, lftp, aria2, httrack, HTTPie

'Fetch' is an integral part of the FreeBSD operating system.

* aria2 supports IPv6 only in HTTP(S) download

* HTTPie is written in Python + Requests and thus carry their portability and features

* HSTS is "experimental" in >= curl 7.74.0

Please file a bug report if this table is incorrect, or tell us other features we should compare!