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What Is a File Extension and MIME Type?

This reference will help you identify MIME types and file extensions

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A Multipurpose Internet Mail Extension, or MIME type, is an internet standard that is used to describe the contents of a variety of files. MIME types identify internet files based on their nature and format. This helps the browser open the file with the appropriate extension or plugin. While the name MIME includes the word “Mail,” it is used for web pages as well.

A MIME type contains two parts: a type and a subtype.

The **type** describes the categorization of MIME types that are linked to each other.

In contrast, a **subtype** is unique to a specific file type that is part of the "type."

Here is the MIME type for HTML:

```
text/html
```

MIME types are defined in HTML by the type attribute on links, objects, and script and style tags.

Distinguishing Between MIME Types

What follows is a list of all the MIME types, with their file extensions and the application that uses them.. Many computers use [file extensions](#) to help the computer identify the file type. So, if you have a file with an odd extension on your website, you can look up the MIME type in this list.

Some types are prefixed with X and some are prefixed with VND. These prefixes, respectively, refer to subtypes not listed with the "Internet Assigned Numbers Authority" or values specific to

List of MIME Types by Content Type

Applications

Application	MIME Type	File Extension
Corel Envoy	application/envoy	evy
fractal image file	application/fractals	fif
Windows print spool file	application/futuresplash	spl
HTML application	application/hta	hta
Atari ST Program	application/internet-property-stream	acx
BinHex encoded file	application/mac-binhex40	hqx
Word document	application/msword	doc
Word document template	application/msword	dot
	application/octet-stream	*
binary disk image	application/octet-stream	bin
Java class file	application/octet-stream	class
Disk Masher image	application/octet-stream	dms
executable file	application/octet-stream	exe
LHARC compressed archive	application/octet-stream	lha
LZH compressed file	application/octet-stream	lzh
CALS raster image	application/oda	oda
ActiveX script	application/olescript	axs

Acrobat file	application/pdf	pdf
Outlook profile file	application/pics-rules	prf
certificate request file	application/pkcs10	p10
certificate revocation list file	application/pkix-crl	crl
Adobe Illustrator file	application/postscript	ai
postscript file	application/postscript	eps
postscript file	application/postscript	ps
rich text format file	application/rtf	rtf
set payment initiation	application/set-payment-initiation	setpay
set registration initiation	application/set-registration-initiation	setreg
Excel Add-in file	application/vnd.ms-excel	xla
Excel chart	application/vnd.ms-excel	xlc
Excel macro	application/vnd.ms-excel	xlm
Excel spreadsheet	application/vnd.ms-excel	xls
Excel template	application/vnd.ms-excel	xlt
Excel workspace	application/vnd.ms-excel	xlw
Outlook mail message	application/vnd.ms-outlook	msg
serialized certificate store file	application/vnd.ms-pkicertstore	sst
Windows catalog file	application/vnd.ms-pkiseccat	cat

stereolithography file	application/vnd.ms-pkistl	stl
PowerPoint template	application/vnd.ms-powerpoint	pot
PowerPoint slide show	application/vnd.ms-powerpoint	pps
PowerPoint presentation	application/vnd.ms-powerpoint	ppt
Microsoft Project file	application/vnd.ms-project	mpp
WordPerfect macro	application/vnd.ms-works	wcm
Microsoft Works database	application/vnd.ms-works	wdb
Microsoft Works spreadsheet	application/vnd.ms-works	wks
Microsoft Works word processor document	application/vnd.ms-works	wps
Windows help file	application/winhelp	hlp
binary CPIO archive	application/x-bcpio	bcpio
computable document format file	application/x-cdf	cdf
Unix compressed file	application/x-compress	z
gzipped tar file	application/x-compressed	tgz
Unix CPIO archive	application/x-cpio	cpio
Photoshop custom shapes file	application/x-csh	csh
Kodak RAW image file	application/x-director	dcr
Adobe Director movie	application/x-director	dir
Macromedia Director movie	application/x-director	dxr
device independent format file	application/x-dvi	dvi

Gnu tar archive	application/x-gtar	gtar
Gnu zipped archive	application/x-gzip	gz
hierarchical data format file	application/x-hdf	hdf
internet settings file	application/x-internet-signup	ins
IIS internet service provider settings	application/x-internet-signup	isp
ARC+ architectural file	application/x-iphone	iii
JavaScript file	application/x-javascript	js
LaTeX document	application/x-latex	latex
Microsoft Access database	application/x-msaccess	mdb
Windows CardSpace file	application/x-mscardfile	crd
CrazyTalk clip file	application/x-msclip	clp
dynamic link library	application/x-msdownload	dll
Microsoft media viewer file	application/x-msmediaview	m13
Steuer2001 file	application/x-msmediaview	m14
multimedia viewer book source file	application/x-msmediaview	mvb
Windows meta file	application/x-msmetafile	wmf
Microsoft Money file	application/x-msmoney	mny
Microsoft Publisher file	application/x-mspublisher	pub
Turbo Tax tax schedule list	application/x-msschedule	scd
FTR media file	application/x-msterminal	trm
Microsoft Write file	application/x-mswrite	wri

computable document format file	application/x-netcdf	cdf
Mastercam numerical control file	application/x-netcdf	nc
MSX computers archive format	application/x-perfmon	pma
performance monitor counter file	application/x-perfmon	pmc
process monitor log file	application/x-perfmon	pml
Avid persistent media record file	application/x-perfmon	pmr
Pegasus Mail draft stored message	application/x-perfmon	pmw
personal information exchange file	application/x-pkcs12	p12
PKCS #12 certificate file	application/x-pkcs12	pxf
PKCS #7 certificate file	application/x-pkcs7-certificates	p7b
software publisher certificate file	application/x-pkcs7-certificates	spc
certificate request response file	application/x-pkcs7-certreqresp	p7r
PKCS #7 certificate file	application/x-pkcs7-mime	p7c
digitally encrypted message	application/x-pkcs7-mime	p7m
digitally signed email message	application/x-pkcs7-signature	p7s
Bash shell script	application/x-sh	sh
Unix shar archive	application/x-shar	shar
Flash file	application/x-shockwave-flash	swf
Stuffit archive file	application/x-stuffit	sit
system 5 release 4 CPIO file	application/x-sv4cpio	sv4cpio
system 5 release 4 CPIO checksum data	application/x-sv4crc	sv4crc

consolidated Unix file archive	application/x-tar	tar
Tcl script	application/x-tcl	tcl
LaTeX source document	application/x-tex	tex
LaTeX info document	application/x-texinfo	texi
LaTeX info document	application/x-texinfo	texinfo
unformatted manual page	application/x-troff	roff
Turing source code file	application/x-troff	t
TomeRaider 2 ebook file	application/x-troff	tr
Unix manual	application/x-troff-man	man
readme text file	application/x-troff-me	me
3ds Max script file	application/x-troff-ms	ms
uniform standard tape archive format file	application/x-ustar	ustar
source code	application/x-wais-source	src
internet security certificate	application/x-x509-ca-cert	cer
security certificate	application/x-x509-ca-cert	crt
DER certificate file	application/x-x509-ca-cert	der
public key security object	application/ynd.ms-pkipko	pko
zipped file	application/zip	zip

Sound Files

Application	MIME Type	File Extension
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audio file	audio/basic	au
sound file	audio/basic	snd
midi file	audio/mid	mid
media processing server studio	audio/mid	rmi
MP3 file	audio/mpeg	mp3
audio interchange file format	audio/x-aiff	aif
compressed audio interchange file	audio/x-aiff	aifc
audio interchange file format	audio/x-aiff	aiff
media playlist file	audio/x-mpegurl	m3u
Real Audio file	audio/x-pn-realaudio	ra
Real Audio metadata file	audio/x-pn-realaudio	ram
WAVE audio file	audio/x-wav	wav



Image Files

Application	MIME Type	File Extension
Bitmap	image/bmp	bmp
compiled source code	image/cis-cod	cod
graphic interchange format	image/gif	gif
image file	image/ief	ief
JPEG image	image/jpeg	jpe
JPEG image	image/jpeg	jpeg

JPEG image	image/jpeg	jpg
JPEG file interchange format	image/pipeg	jfif
scalable vector graphic	image/svg+xml	svg
TIF image	image/tiff	tif
TIF image	image/tiff	tiff
Sun raster graphic	image/x-cmu-raster	ras
Corel metafile exchange image file	image/x-cmx	cmx
icon	image/x-icon	ico
portable any map image	image/x-portable-anymap	pnm
portable bitmap image	image/x-portable-bitmap	pbm
portable graymap image	image/x-portable-graymap	pgm
portable pixmap image	image/x-portable-pixmap	ppm
RGB bitmap	image/x-rgb	rgb
X11 bitmap	image/x-xbitmap	xbm
X11 pixmap	image/x-xpixmap	xpm
X-Windows dump image	image/x-xwindowdump	xwd

Mail Message Files

Application	MIME Type	File Extension
MHTML web archive	message/rfc822	mht
MIME HTML file	message/rfc822	mhtml
Windows Live Mail newsgroup file	message/rfc822	nws

Cascading Style Sheet	text/css	css
H.323 internet telephony file	text/h323	323
HTML file	text/html	htm
HTML file	text/html	html
Exchange streaming media file	text/html	stm
NetMeeting user location service file	text/iuls	uls
BASIC source code file	text/plain	bas
C/C++ source code file	text/plain	c
C/C++/Objective C header file	text/plain	h
text file	text/plain	txt
rich text file	text/richtext	rtx
Scitext continuous tone file	text/scriptlet	sct
tab separated values file	text/tab-separated-values	tsv
hypertext template file	text/webviewhtml	htt
HTML component file	text/x-component	htc
TeX font encoding file	text/x-setext	etx
vCard file	text/x-vcard	vcf

Video Files

Application	MIME Type	File Extension
MPEG-2 audio file	video/mpeg	mp2
MPEG-2 audio file	video/mpeg	mpa

MPEG movie file	video/mpeg	mpe
MPEG movie file	video/mpeg	mpeg
MPEG movie file	video/mpeg	mpg
MPEG-2 video stream	video/mpeg	mpv2
MPEG-4	video/mp4	mp4
Apple QuickTime movie	video/quicktime	mov
Apple QuickTime movie	video/quicktime	qt
Logos library system file	video/x-la-asf	lsf
streaming media shortcut	video/x-la-asf	lsx
advanced systems format file	video/x-ms-asf	asf
ActionScript remote document	video/x-ms-asf	asr
Microsoft ASF redirector file	video/x-ms-asf	asx
audio video interleave file	video/x-msvideo	avi
Apple QuickTime movie	video/x-sgi-movie	movie

Virtual World Files

Application	MIME Type	File Extension
Flare decompiled actionscript file	x-world/x-vrml	flr
VRML file	x-world/x-vrml	vrml
VRML world	x-world/x-vrml	wrl
compressed VRML world	x-world/x-vrml	wrz
3ds max XML animation file	x-world/x-vrml	xaf

Reality Lab 3D image file

x-world/x-vrml

xof

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A List of All MIME Types by Content Type



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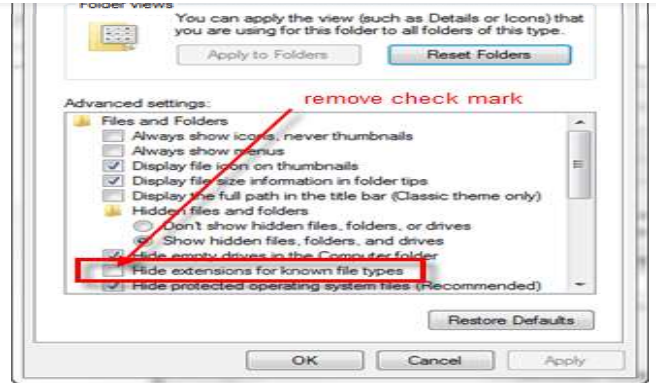
Remote Sensing - Overview, Types and Applications



Excel File Extensions and Their Uses



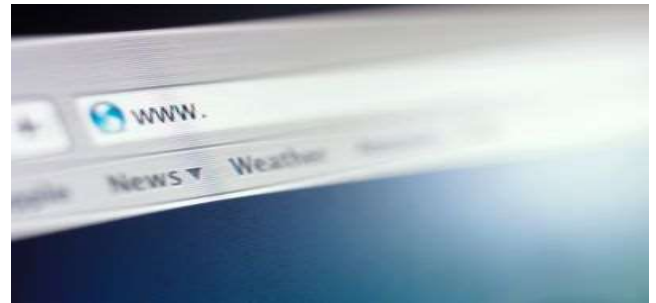
Understanding Web Files and File Extension Types



Here Is How You Can Unhide and Change PowerPoint File Extensions



Your Introduction to the Different Types of Font Files



Choosing a Domain Is Tricky



Force a File Download With This PHP Trick



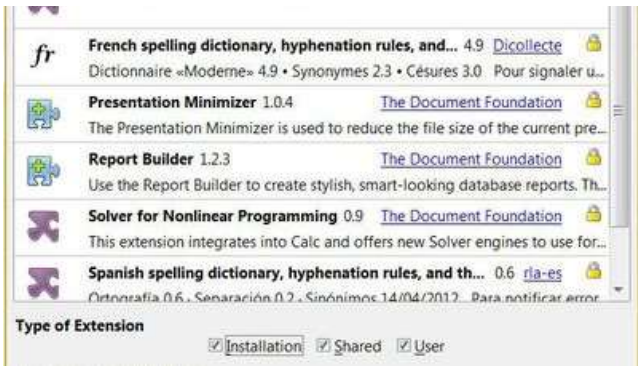
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