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Multipart Internet Mail Extensions (MIME)

The following table lists many of the MIME content-types currently in use on the Web, and gives the data type associated with the MIME type name. There are in some cases more than one MIME type in use for a given data type.

**The types are divided into the following categories:
To make this table easier to use, some types appear**

under more than one category

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- | | |
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| <ul style="list-style-type: none"> • Text and Text-Related • HTML Stylesheet • Image • Audio/Voice/Music • Video • Special HTTP/Web Application • Application Types <ul style="list-style-type: none"> ◦ Text-related ◦ Archive/Compressed Archives ◦ Program/Scripts ◦ Animation/Multimedia | <ul style="list-style-type: none"> • Application Types (Cont.) <ul style="list-style-type: none"> ◦ Presentation ◦ Special Embedded Object ◦ General Applications • Multipart Types (mostly email) • Message Types (mostly email) • 2D/3D Data/Virtual Reality • Scientific/Math/CAD • Platform-Specific <ul style="list-style-type: none"> ◦ SGI |
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Description of Data Content	Typical Filename Extensions	MIME type/subtype
Text and Text-Related Types		
HTML text data (RFC 1866)	html htm	text/html
Plain text: documents; program listings	txt c c++ pl cc h	text/plain
Richtext (obsolete - replaced by text/enriched)		text/richtext
Structure enhanced text	(etx?)	text/x-setext
Enriched text markup (RFC 1896)		text/enriched
Tab-separated values (tabular)	(tsv?)	text/tab-separated-values
SGML documents (RFC 1874)		text/sgml
Speech synthesis data (<i>MVP Solutions</i>)	talk	text/x-speech
Document Stylesheet Types		
Cascading Stylesheets	css	text/css
DSSSL-online stylesheets		application/dsssl (<i>proposed</i>)

Image Types		
GIF	gif	image/gif
X-Windows bitmap (b/w)	xbm	image/x-xbitmap
X-Windows pixmap (8-bit color)	xpm	image/x-xpixmap
Portable Network Graphics	png	image/x-png
Image Exchange Format (RFC 1314)	ief	image/ief
JPEG	jpeg jpg jpe	image/jpeg
TIFF	tiff tif	image/tiff
RGB	rgb	image/rgb
		image/x-rgb
Group III Fax (RFC 1494)	g3f	image/g3fax
X Windowdump format	xwd	image/x-xwindowdump
Macintosh PICT format	pict	image/x-pict
PPM (UNIX PPM package)	ppm	image/x-portable-pixmap
PGM (UNIX PPM package)	pgm	image/x-portable-graymap
PBM (UNIX PPM package)	pbm	image/x-portable-bitmap
PNM (UNIX PPM package)	pnm	image/x-portable-anymap
Microsoft Windows bitmap	bmp	image/x-ms-bmp
CMU raster	ras	image/x-cmu-raster
Kodak Photo-CD	pcd	image/x-photo-cd
Computer Graphics Metafile	cgm	image/cgm
North Am. Presentation Layer Protocol		image/naplps
CALS Type 1 or 2	mil cal	image/x-cals
Fractal Image Format (<i>Iterated Systems</i>)	fif	image/fif
QuickSilver active image (<i>Micrografx</i>)	dsf	image/x-mgx-dsf
CMX vector image (<i>Corel</i>)	cmx	image/x-cmx
Wavelet-compressed (<i>Summus</i>)	wi	image/wavelet
AutoCad Drawing (<i>SoftSource</i>)	dwg	image/vnd.dwg
		image/x-dwg
AutoCad DXF file (<i>SoftSource</i>)	dxg	image/vnd.dxf
		image/x-dxf
Simple Vector Format (<i>SoftSource</i>)	svf	image/vnd.svf
		<i>also</i> vector/x-svf
Audio/Voice/Music Related Types		

"basic"audio - 8-bit u-law PCM	au snd	audio/basic
Macintosh audio format (AIpple)	aif aiff aifc	audio/x-aiff
<i>Microsoft</i> audio	wav	audio/x-wav
MPEG audio	mpa abs mpega	audio/x-mpeg
MPEG-2 audio	mp2a mpa2	audio/x-mpeg-2
compressed speech (<i>Echo Speech Corp.</i>)	es	audio/echospeech
Toolvox speech audio (<i>Voxware</i>)	vox	audio/voxware
RapidTransit compressed audio (<i>Fast Man</i>)	lcc	application/fastman
Realaudio (<i>Progressive Networks</i>)	ra ram	application/x-pn-realaudio
NIFF music notation data format		application/vnd.music-niff
MIDI music data	mmid	x-music/x-midi
Koan music data (<i>SSeyo</i>)	skp	application/vnd.koan
		application/x-koan
Speech synthesis data (<i>MVP Solutions</i>)	talk	text/x-speech
Video Types		
MPEG video	mpeg mpg mpe	video/mpeg
MPEG-2 video	mpv2 mp2v	video/mpeg-2
Macintosh Quicktime	qt mov	video/quicktime
Microsoft video	avi	video/x-msvideo
SGI Movie format	movie	video/x-sgi-movie
VDOLive streaming video (<i>VDOnet</i>)	vdo	video/vdo
Vivo streaming video (<i>Vivo software</i>)	viv	video/vnd.vivo
		video/vivo
Special HTTP/Web Application Types		
Proxy autoconfiguration (<i>Netscape</i> browsers)	pac	application/x-ns-proxy-autoconfig
See Chapter 6		application/x-www-form-urlencoded
See Chapter 9		application/x-www-local-exec
See Chapter 9 (<i>Netscape</i> extension)		multipart/x-mixed-replace
See Chapter 9 and Appendix B		multipart/form-data
Netscape Cooltalk chat data (<i>Netscape</i>)	ice	x-conference/x-cooltalk
Interactive chat (<i>Ichat</i>)		application/x-chat
Application Types		
Text-Related		

PostScript	ai eps ps	application/postscript
Microsoft Rich Text Format	rtf	application/rtf
Adobe Acrobat PDF	pdf	application/pdf
		application/x-pdf
Maker Interchange Format (<i>FrameMaker</i>)	mif	application/vnd.mif
		application/x-mif
Troff document	t tr roff	application/x-troff
Troff document with MAN macros	man	application/x-troff-man
Troff document with ME macros	me	application/x-troff-me
Troff document with MS macros	ms	application/x-troff-ms
LaTeX document	latex	application/x-latex
Tex/LaTeX document	tex	application/x-tex
GNU TexInfo document	texinfo texi	application/x-texinfo
TeX dvi format	dvi	application/x-dvi
MacWrite document	??	application/macwriteii
MS word document	??	application/msword
WordPerfect 5.1 document	??	application/wordperfect5.1
SGML application (RFC 1874)		application/sgml
Office Document Architecture	oda	application/oda
Envoy Document	evy	application/envoy
Wang Info. Transfer Format (<i>Wang</i>)		application/wita
DEC Document Transfer Format (<i>DEC</i>)		application/dec-dx
IBM Document Content Architecture (<i>IBM</i>)		application/dca-rft
CommonGround Digital Paper (<i>No Hands Software</i>)		application/commonground
FrameMaker Documents (<i>Frame</i>)	doc fm frm frame	application/vnd.frameMaker
		application/x-frameMaker
Remote printing at arbitrary printers (RFC 1486)		application/remote-printing
Archive/Compressed Archives		
Gnu tar format	gtar	application/x-gtar
4.3BSD tar format	tar	application/x-tar
POSIX tar format	ustar	application/x-ustar
Old CPIO format	bcpio	application/x-bcpio
POSIX CPIO format	cpio	application/x-cpio

UNIX sh shell archive	shar	application/x-shar
DOS/PC - Pkzipped archive	zip	application/zip
Macintosh Binhexed archive	hqx	application/mac-binhex40
Macintosh Stuffit Archive	sit sea	application/x-stuffit
Fractal Image Format	fif	application/fractals
Binary, UUencoded	bin uu	application/octet-stream
PC executable	exe	application/octet-stream
WAIS "sources"	src wsrc	application/x-wais-source
NCSA HDF data format	hdf	application/hdf
Downloadable Program/Scripts		
Javascript program	js ls mocha	text/javascript
		application/x-javascript
VBScript program		text/vbscript
UNIX bourne shell program	sh	application/x-sh
UNIX c-shell program	csh	application/x-csh
Perl program	pl	application/x-perl
Tcl (Tool Control Language) program	tcl	application/x-tcl
Atomicmail program scripts (obsolete)		application/atomicmail
Slate documents - executable enclosures (<i>BBN</i>)		application/slate
Undefined binary data (often executable progs)		application/octet-stream
RISC OS Executable programs (<i>ANT Limited</i>)		application/riscos
Animation/Multimedia		
Andrew Toolkit inset		application/andrew-inset
FutureSplash vector animation (<i>FutureWave</i>)	spl	application/futuresplash
mBED multimedia data (<i>mBED</i>)	mbd	application/mbedlet
Macromedia Shockwave (<i>Macromedia</i>)		application/x-director
<i>Sizzler</i> real-time video/animation		application/x-sprite
PowerMedia multimedia (<i>RadMedia</i>)	rad	application/x-rad-powermedia
Presentation		
PowerPoint presentation (<i>Microsoft</i>)	ppz	application/mspowerpoint
PointPlus presentation data (<i>Net Scene</i>)	css	application/x-pointplus
ASAP WordPower (<i>Software Publishing Corp.</i>)	asp	application/x-asap

Astound Web Player multimedia data (<i>GoldDisk</i>)	asn	application/astound
Special Embedded Object		
OLE script e.g. Visual Basic (<i>Ncompass</i>)	axs	application/x-olescript
OLE Object (<i>Microsoft/NCompass</i>)	ods	application/x-oleobject
OpenScape OLE/OCX objects (<i>Business@Web</i>)	opp	x-form/x-openscape
Visual Basic objects (<i>Amara</i>)	wba	application/x-webbasic
Specialized data entry forms (<i>Alpha Software</i>)	frm	application/x-alpha-form
client-server objects (<i>Wayfarer Communications</i>)	wfx	x-script/x-wfxclient
General Applications		
Undefined binary data (often executable progs)		application/octet-stream
CALS (U.S. D.O.D data format - RFC 1895)		application/cals-1840
Pointcast news data (<i>Pointcast</i>)	pcn	application/x-pcn
Excel spreadsheet (<i>Microsoft</i>)		application/vnd.ms-excel
		application/x-msexcel
		application/ms-excel
PowerPoint (<i>Microsoft</i>)	ppt	application/vnd.ms-powerpoint
		application/ms-powerpoint
Microsoft Project (<i>Microsoft</i>)		application/vnd.ms-project
Works data (<i>Microsoft</i>)		application/vnd.ms-works
MAPI data (<i>Microsoft</i>)		application/vnd.ms-tnef
Artgallery data (<i>Microsoft</i>)		application/vnd.artgalry
SourceView document (<i>Dataware Electronics</i>)	svd	application/vnd.svd
Truedoc (<i>Bitstream</i>)		application/vnd.truedoc
Net Install - software install (<i>20/20 Software</i>)	ins	application/x-net-install
Carbon Copy - remote control/access (<i>Microcom</i>)	ccv	application/ccv
Spreadsheets (<i>Visual Components</i>)	vts	workbook/formulaone
Cybercash digital money (<i>Cybercash</i>)		application/cybercash
Format for sending generic Macintosh files		application/applefile
Active message -- connect to active mail app.		application/activemessage
X.400 mail message body part (RFC 1494)		application/x400-bp
USENET news message id (RFC 1036)		application/news-message-id

USENET news message (RFC 1036)		application/news-transmission
Multipart Types (mostly email)		
Messages with multiple parts		multipart/mixed
Messages with multiple, alternative parts		multipart/alternative
Message with multiple, related parts		multipart/related
Multiple parts are digests		multipart/digest
For reporting of email status (admin.)		multipart/report
Order of parts does not matter		multipart/parallel
Macintosh file data		multipart/appledouble
Aggregate messages; descriptor as header		multipart/header-set
Container for voice-mail		multipart/voice-message
HTML FORM data (see Ch. 9 and App. B)		multipart/form-data
Infinite multipart - See Chapter 9 (<i>Netscape</i>)		multipart/x-mixed-replace
Message Types (mostly email)		
MIME message		message/rfc822
Partial message		message/partial
Message containing external references		message/external-body
Message containing USENET news		message/news
HTTP message		message/http
2D/3D Data/Virtual Reality Types		
VRML data file	wrl vrml	x-world/x-vrml (changing to model/vrml)
WIRL - VRML data (<i>VREAM</i>)	vrw	x-world/x-vream
Play3D 3d scene data (<i>Play3D</i>)	p3d	application/x-p3d
Viscape Interactive 3d world data (<i>Superscape</i>)	svr	x-world/x-svr
WebActive 3d data (<i>Plastic Thought</i>)	wvr	x-world/x-wvr
QuickDraw3D scene data (<i>Apple</i>)	3dmf	x-world/x-3dmf
Scientific/Math/CAD Types		
Chemical types -- to communicate information about chemical models		chemical/* (several subtypes)
Mathematica notebook	ma	application/mathematica
Computational meshes for numerical simulations	msh	x-model/x-mesh

		(evolving to model/mesh)
Vis5D 5-dimensional data	v5d	application/vis5d
IGES models -- CAD/CAM (CGM) data	igs	application/iges (evolving to model/iges?)
Autocad WHIP vector drawings	dwf	drawing/x-dwf
Largely Platform-Specific Types		
Silicon Graphics Specific Types		
Showcase Presentations	showcase slides sc sho show	application/x-showcase
Insight Manual pages	ins insight	application/x-insight
Iris Annotator data	ano	application/x-annotator
Directory Viewer	dir	application/x-dirview
Software License	lic	application/x-enterlicense
Fax manager file	faxmgr	application/x-fax-manager
Fax job data file	faxmgrjob	application/x-fax-manager-job
IconBook data	icnbk	application/x-iconbook
?	wb	application/x-inpview
Installable software in 'inst' format	inst	application/x-install
Mail folder	mail	application/x-mailfolder
?	pp ppages	application/x-ppages
Data for printer (via lpr)	sgi-lpr	application/x-sgi-lpr
Software in 'tardist' format	tardist	application/x-tardist
Software in compressed 'tardist' format	ztardist	application/x-ztardist
WingZ spreadsheet	wkz	application/x-wingz
Open Inventor 3-D scenes	iv	graphics/x-inventor

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