

List of URI schemes

This article lists common URI schemes. A Uniform Resource Identifier helps identify a source without ambiguity. Many URI schemes are registered with the IANA; however, there exist many unofficial URI schemes as well. Mobile deep links are one example of a class of unofficial URI schemes that allow for linking directly to a specific location in a mobile app.

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Official IANA-registered schemes

The official URI schemes registered with the IANA are as follows (note that "IETF Draft" in no way is a finalized specification and must not be treated so; refer to Section 2.2 of RFC 2026 (<https://tools.ietf.org/html/rfc2026#section-2.2>) for more details):

Scheme	Purpose	Status	Defined by	General format
<i>aaa</i> <i>aaas</i>	<u>Diameter Protocol</u>	Permanent	RFC 3588 RFC 6733	aaa[s]://<host>[:<port>][;transport=<transport>][;protocol=<protocol>] example: aaa://host.example.com:1813;transport=udp;protocol=rac
<i>about</i>	Displaying product information and internal information	Permanent	RFC 6694	See <i>about URI scheme</i> for more details.
<i>acap</i>	<u>Application Configuration Access Protocol</u>	Permanent	RFC 2244	acap://[<user>[;AUTH=<type>]@]<host>[:<port>]/<entry>
<i>acct</i>	Identifying user account	Permanent	RFC 7565	
<i>acr</i>	Anonymous Customer Reference	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/acr) <u>Open Mobile Alliance</u>	
<i>adiumxtra</i>	Direct installation of Adium Xtras (plugins).	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/adiumxtra) The Adium Team	adiumxtra://www.adiumxtras.com/download/0000
<i>afp</i>	Accessing Apple Filing Protocol shares	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/afp) IETF Draft (http://tools.ietf.org/html/draft-ietf-svrloc-afp-service)	over TCP/IP afp://[<user>@]<host>[:<port>][/[<path>]] over AppleTalk afp:/at/[<user>@]<host>[:<zone>][/]
<i>afs</i>	Andrew File System global file names	Provisional	RFC 1738	
<i>aim</i>	Controlling AOL Instant Messenger.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/aim) AOL	aim:<function>?<parameters>
<i>apt</i>	Experimental method of installing software using APT.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/apt)	apt:<package name>
<i>attachment</i>	Attaching resources to MHTML pages	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/attachment)	attachment:/<resource number>/<filename>
<i>aw</i>	Link to an Active Worlds world	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/aw) Activeworlds Inc.	aw://<worldserver host>:<worldserver port>/<worldname>
<i>amss</i>	Identifier for an AMSS broadcast	Provisional	ETSI TS 103 270 (http://www.etsi.org/deliver/etsi_ts/103200_103299/103270/01_03_01_60/ts_103270v010301p.pdf)	amss:<sid>
<i>barion</i>	Send e-money to a Barion e-money wallet	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/barion) Barion URI scheme (http://web.archive.org/web/20140525213938/http://schemas.sensenet.com/barion/specification.txt)	barion:<target>[?[amount=<amount>]][&][currency=<currency>][&][commence=<sender>][&][type=purchase charity p2p]]
<i>beshare</i>	Open a search query on a BeShare server	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/beshare) BeShare source code (https://web.archive.org/web/201210708230654/http://www.beshare.com/)	beshare://<servername>/<query>

			p://dev.osdrawer.net/projects/beshare/repository	
<i>bitcoin</i>	Send money to a Bitcoin address	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/bitcoin) Bitcoin URI Scheme (https://en.bitcoin.it/wiki/BIP_0021)	bitcoin:<address>[?[amount=<size>]][&][label=<label>][&][message=<me
<i>blob</i>	Binary data access in browsers	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/blob) W3C (http://www.w3.org/TR/FileAPI/#url)	
<i>bolo</i>	Join an existing bolo game.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/bolo)	bolo: //<hostname>/
<i>callto</i>	Launching Skype call (+And in Hungary the KLIP Software call too) (see also skype .)	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/callto) old version of IETF Draft (http://tools.ietf.org/html/draft-antti-telephony-url-00)	callto:<screenname> or callto:<phonenummer> [1] (http://daringfireball.net/2005/12/callto_uris_safari)
<i>cap</i>	Calendar access protocol	Permanent	RFC 4324	<i>generic syntax</i>
<i>chrome</i>	Specifies user interfaces built using XUL in Mozilla-based browsers.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/chrome) Mozilla (https://developer.mozilla.org/en/XUL_Tutorial/The_Chrome_URL)	chrome: //<package>/<section>/<path> (Where <section> is either "content",
<i>chrome</i>	Used for the management of Google Chrome's settings. In contrast with other browsers, its preferences appear as web-pages instead of dialog boxes.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/chrome) Google (http://google.com)	chrome: //<settings>/<path>/[<specificSetting>]
<i>chrome-extension</i>	Manage the settings of extensions which have been installed.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/chrome-extension) Google (http://google.com)	chrome-extension: //<extensionID>/<pageName>.html (Where <extensionID> extension by " Chrome Web Store " and <pageName> is the location of an HTML page;
<i>com-eventbrite-attendee</i>		Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/com-eventbrite-attendee)	
<i>cid</i>	Referencing individual parts of an SMTP/MIME message	Permanent	RFC 2111 RFC 2392	cid:<content-id>
<i>coap</i> <i>coaps</i>	Constrained Application Protocol	Permanent	RFC 7252	coap[s]: //<host>[:<port>]/<path>[?<query>]
<i>content</i>	Accessing an Android content provider.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/content) Open Handset Alliance	content: //provider/<path>
<i>crid</i>	TV-Anytime Content Reference Identifier	Permanent	RFC 4078	crid: //<host>/<data>
<i>cvs</i>	Provides a link to a Concurrent Versions System (CVS) Repository	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/cvs) Concurrent Versions System	cvs: //<method:logindetails>@<repository>/<modulepath>;[date=date to retrieve]
<i>dab</i>	Identifier for a		ETSI TS 103 270 (http	dab:<gcc>.<eid>.<sid>.<scids>[.<uatype>]

	DAB broadcast	Provisional	s://www.etsi.org/deliver/etsi_ts/103200_103299/103270/01.03.01_60/ts_103270v010301p.pdf	
<u>data</u>	Inclusion of small data items inline	Permanent	RFC 2397	data:<mediatype>[;base64],<data>
dav	HTTP Extensions for Distributed Authoring (WebDAV)	Permanent	RFC 2518 RFC 4918	dav:
dict	<u>Dictionary service protocol</u>	Permanent	RFC 2229	dict://<user>;<auth>@<host>:<port>/d:<word>:<database>:<n> dict://<user>;<auth>@<host>:<port>/m:<word>:<database>
dlina-playsingle dlina-playcontainer		Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/dlina-playsingle) IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/dlina-playcontainer)	
dns	<u>Domain Name System</u>	Permanent	RFC 4501	dns:[//<host>[:<port>]]/<dnsname>[?<dnsquery>] examples: dns:example?TYPE=A;CLASS=IN dns://192.168.1.1/ftp.example.org?type=A
dntp	Direct Network Transfer Protocol	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/dntp)	
drm	Identifier for a <u>DRM</u> broadcast	Provisional	ETSI TS 103 270 (http://www.etsi.org/deliver/etsi_ts/103200_103299/103270/01.03.01_60/ts_103270v010301p.pdf)	drm:<sid>[.<appdomain>.<uatype>]
dtn	DTNRG research and development	Provisional	RFC 5050	
dvb		Provisional	IETF Draft (https://www.iana.org/go/draft-microberts-uri-dvb)	
ed2k	Resources available using the eDonkey2000 network	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/ed2k) eDonkey2000	ed2k:// file <filename> <size of file> <hash of file> / or ed2k:// server <host> <port> /
example	For examples	Permanent	RFC 7595	example:<anything>
facetime	FaceTime is a video conferencing software developed by Apple for iPhone 4, the fourth generation iPod Touch, and computers running Mac OS X.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/facetime) Apple Inc.	facetime://<address> <MSISDN> <mobile number> example: facetime://+19995551234
fax	Used for telefacsimile numbers	Historical	RFC 2806 RFC 3966	fax:<phonenumber>
feed	web feed subscription	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/feed)	feed:<absolute_uri> or feed://<hierarchical part>

				examples: feed://example.com/rss.xml feed:https://example.com/rss.xml
<u>file</u>	Addressing files on local or network file systems	Permanent	RFC 1738 RFC 3986	file://[host]/path or (RFC 3986) file:[//host]/path
filesystem	Abandoned part of File API	Historical	IANA registration template (https://www.iana.org/assignments/uri-schemes/historic/filesystem)	
finger	Querying user information using the <u>Finger protocol</u>	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/finger) IETF Draft (http://tools.ietf.org/html/draft-ietf-uri-url-finger)	finger://host[:port][/<request>]
fish	Accessing another computer's files using the <u>SSH protocol</u>	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/fish) fish KDE kioslave (http://docs.kde.org/stable/en/kdebase/kioslave/fish.html)	fish://[<username>[:<password>]@]<hostname>[:<port>]
fm	Identifier for a <u>FM broadcast</u>	Provisional	ETSI TS 103 270 (http://www.etsi.org/deliver/etsi_ts/103200_103299/103270/01_03_01_60/ts_103270v010301p.pdf)	fm:<gcc>.<pi>.<frequency>
ftp	<u>FTP resources</u>	Permanent	RFC 1738 IETF Draft (http://tools.ietf.org/html/draft-yevstifeyev-ftp-uri-scheme) Old IETF Draft (http://tools.ietf.org/html/draft-hoffman-ftp-uri)	generic syntax
gemini	Used with the <u>Gemini protocol</u>	Provisional	Provisional specification (https://gemini.circumlunar.space/docs/specification.gmi)	generic syntax but without the userinfo subcomponent
<u>geo</u>	A Uniform Resource Identifier for Geographic Locations	Permanent	RFC 5870	geo:<lat>,<lon>[,<alt>][;u=<uncertainty>] (for <u>WGS-84</u>)
gg	Starting chat with <u>Gadu-Gadu</u> user	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/gg) Gadu-Gadu	gg:<userid>
git	Provides a link to a GIT repository	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/git) Git	Github example: git://github.com/user/project-name.git
gizmoproject	<u>Gizmo5</u> calling link.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/gizmoproject)	gizmoproject://call?id=gizmo_id
go	Common Name Resolution Protocol	Permanent	RFC 3368	go://[<host>]?[<common-name>]*[;<attribute>=[<type>,<value>] or go:<common-name>*[;<attribute>=[<type>,<value>]
gopher	Used with <u>Gopher protocol</u>	Permanent	RFC 4266	gopher://<host>:<port>/<item type><path>
gtalk	Start a chat with a <u>Google Talk</u> user	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/gtalk) Google Talk	gtalk:chat?jid=example@gmail.com
h323	Used with <u>H.323</u> multimedia communications	Permanent	RFC 3508	h323:[<user>@]<host>[:<port>][;<parameters>]
hcp	Displaying a help page on		IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/hcp)	hcp://system/<File>.htm (Where <File> is the file to load)

	Microsoft Windows Help and Support Center.	Provisional	a.org/assignments/uri-schemes/prov/hcp) Microsoft	
<i>http</i>	HTTP resources	Permanent	RFC 1738 RFC 2616 (makes RFC 2068 obsolete) RFC 7230	<i>generic syntax</i>
<i>https</i>	HTTP connections secured using SSL/TLS	Permanent	RFC 2817 RFC 7230	<i>generic syntax</i>
<i>iax</i>	Inter-Asterisk eXchange protocol version 2	Permanent	RFC 5456	<code>iax:[<username>@]<host>[:<port>][/<number>[?<context>]]</code> examples <code>iax:[2001:db8::1]:4569/alice?friends</code> <code>iax:johnQ@example.com/12022561414</code>
<i>icap</i>	Internet Content Adaptation Protocol	Permanent	RFC 3507	
<i>icon</i>		Provisional	IETF Draft (https://www.iana.org/go/draft-lafayette-icon-uri-scheme)	
<i>im</i>	Instant messaging protocol	Permanent	RFC 3860	<code>im:<username>@<host></code> , and also <code>im:sip:<username>@<host></code> for MS Comm
<i>imap</i>	Accessing e-mail resources through IMAP	Permanent	RFC 2192 RFC 5092	<code>imap://[<user>[;<AUTH=<type>]&]<host>[:<port>]/<command></code>
<i>info</i>	Information Assets with Identifiers in Public Namespaces	Permanent	RFC 4452	
<i>iotdisco</i>	Identify things on Internet of Things	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/iotdisco.pdf)	
<i>ipn</i>		Provisional	RFC 6260	
<i>ipp</i>	Internet Printing Protocol	Permanent	RFC 3510	
<i>ipps</i>	Internet Printing Protocol over HTTPS	Permanent	RFC 7472	
<i>irc</i>	Connecting to an Internet Relay Chat server to join a channel.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/irc) IETF Draft (http://tools.ietf.org/html/draft-butcher-irc-url) Old IETF Draft (http://tools.ietf.org/html/draft-mirashi-url-irc-01)	<code>irc://<host>[:<port>]/[<channel>[?<password>]]</code>
<i>irc6</i>	IPv6 equivalent of irc	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/irc6)	<code>irc6://<host>[:<port>]/[<channel>[?<password>]]</code>
<i>ircs</i>	Secure equivalent of irc	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/ircs) IETF Draft (http://tools.ietf.org/html/draft-butcher-irc-url)	<code>ircs://<host>[:<port>]/[<channel>[?<password>]]</code>
<i>iris</i> <i>iris.beep</i> <i>iris.xpc</i>	Internet Registry Information Service		RFC 3981 RFC 3983 RFC 4992 RFC 4992 RFC 4993	

<i>iris.xpcs</i> <i>iris.lws</i>		Permanent		
<i>itms</i>	Used for connecting to the iTunes Music Store	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/itms) Apple Inc	itms:
<i>jabber</i>		Permanent	IANA registration template (https://www.iana.org/assignments/uri-schemes/perm/jabber)	
<i>jar</i>	Compressed archive member	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/jar) Java API (http://java.sun.com/javase/6/docs/api/java/net/JarURLConnection.html)	jar:<url>!/[<entry>]
<i>jms</i>	Java Message Service	Provisional	RFC 6167	
<i>keyparc</i>	Keyparc encrypt/decrypt resource.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/keyparc) Bloomberg	keyparc://encrypt/<username>/<uri> or keyparc://decrypt/<username>/<uri>
<i>lastfm</i>	Connecting to a radio stream from <u>Last.fm</u> .	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/lastfm) Last.fm	lastfm://<radio_stream> or lastfm://globaltags/<genre> or lastfm://user/<username>/<stuff>
<i>ldap</i>	<u>LDAP</u> directory request	Permanent	RFC 2255 RFC 4516	ldap://[<host>[:<port>]][/<dn> [?<attributes>][?<scope>][?<filter>]] example: ldap://ldap1.example.net:6666/o=University%20of%20Michigan(cn=Babs%20Jensen)
<i>ldaps</i>	Secure equivalent of <i>ldap</i>	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/ldaps) Old version of IETF Draft (http://tools.ietf.org/html/draft-ietf-asid-ldapv3-url-02)	ldaps://[<host>[:<port>]][/<dn> [?<attributes>][?<scope>][?<filter>]]
<i>magnet</i>	"magnet links"	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/magnet) Magnet-URI Project (http://magnet-uri.sourceforge.net/)	magnet:?xt=urn:sha1:<hash of file>&dn=<display name> (other parameters are also possible)
<i>mailserver</i>	Access to data available from mail servers	Historical	RFC 6196	
<i>mailto</i>	SMTP e-mail addresses and default content	Permanent	RFC 6068	mailto:<address>[?<header1>=<value1>[&<header2>=<value2>]] example: mailto:jsmith@example.com?subject=A%20Test&body=My%20j
<i>maps</i>	"map links"	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/maps)	maps:q=<physical location>
<i>market</i>	Opens Google Play	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/market) Android [3] (https://developer.android.com/guide/publishing/publishing.html)	<ul style="list-style-type: none"> market://details?id=Package_name or market://search?q=Search_Query or market://search?q=pub:Publisher_Name
<i>message</i>	Direct link to specific email message	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/message) Apple Inc [4] (http://darinfireball.net/2007/12/message_urls_leopard_mail/)	message:<MESSAGE-ID> message://<MESSAGE-ID>

<i>mid</i>	Referencing SMTP/MIME messages, or parts of messages.	Permanent	RFC 2111 RFC 2392	mid:<message-id>[/<content-id>]
<i>mms</i>	Windows streaming media	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/mms) Microsoft	mms://<host>:<port>/<path>
<i>modem</i>		Historical	RFC 2806 RFC 3966	
<i>ms-help</i>	Displaying a help page on Microsoft Windows Help and Support Center. Used by Windows Vista and later.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/ms-help) Microsoft	ms-help://<section>/<path>/<file>.htm (Where <section> is a library of help begins with "MS.", <path> is the sub-libraries, and <file> is the name of the file)
<i>ms-settings</i> <i>ms-settings-airplanemode</i> <i>ms-settings-bluetooth</i> <i>ms-settings-camera</i> <i>ms-settings-cellular</i> <i>ms-settings-cloudstorage</i> <i>ms-settings-emailandaccounts</i> <i>ms-settings-language</i> <i>ms-settings-location</i> <i>ms-settings-lock</i> <i>ms-settings-nfctransactions</i> <i>ms-settings-notifications</i> <i>ms-settings-power</i> <i>ms-settings-privacy</i> <i>ms-settings-proximity</i> <i>ms-settings-screenrotation</i> <i>ms-settings-wifi</i> <i>ms-settings-workplace</i>	Settings application in Windows	Provisional	IANA registration templates (https://www.iana.org/assignments/uri-schemes/uri-schemes.xhtml)	
<i>msnim</i>	Adding a contact, or starting a conversation in Windows Live Messenger	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/msnim) Windows Live Messenger	Add a contact to the buddy list msnim:add?contact=nada@example.com Start a conversation with a contact msnim:chat?contact=nada@example.com Start a voice conversation with a contact msnim:voice?contact=nada@example.com Start a video conversation with a contact msnim:video?contact=nada@example.com
<i>msrp</i> <i>msrps</i>	Message Session Relay Protocol	Permanent	RFC 4975	
<i>mtqp</i>	Message Tracking Query Protocol	Permanent	RFC 3887	
<i>mumble</i>	Joining a server.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/mumble) Mumble	mumble://[username[:password]@]<address>[:port]/[channelpath]?version[&title=<servername>][&url=<serverurl>]
<i>mupdate</i>	Mailbox Update Protocol	Permanent	RFC 3656	
<i>mvn</i>	Access Apache Maven repository artifacts	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/mvn) OPS4J	mvn:org.ops4j.pax.web.bundles/service/0.2.0-SNAPSHOT mvn:http://user:password@repository.ops4j.org/maven2!org.ops4j.pax.
<i>news</i>	(Usenet)		RFC 1738	news:<newsgroupname> or

	newsgroups and postings	Permanent	RFC 5538	news:<message-id>
<i>nfs</i>	Network File System resources	Permanent	RFC 2224	<i>generic syntax</i>
<i>ni</i> <i>nih</i>	Naming Things with Hashes	Permanent	RFC 6920 (https://tools.ietf.org/html/rfc6920)	ni://<authority>/<algorithm>;<hash-value>?<tag1>=<value1>&<tag2>=<v
<i>nntp</i>	Usenet <u>NNTP</u>	Permanent	RFC 1738 RFC 5538	nntp://<host>:<port>/<newsgroup-name>/<article-number>
<i>notes</i>	Open a <u>Lotus Notes</u> document or database	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/notes) <u>Lotus Notes</u>	notes://<address>
<i>oid</i>		Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/oid) IETF Draft (https://www.iana.org/go/draft-larmouth-oid-ir)	
<i>opaquelocktoken</i>		Permanent	RFC 2518 RFC 4918	
<i>pack</i>		Historical	IANA registration template (https://www.iana.org/assignments/uri-schemes/historic/pack) IETF Draft (https://www.iana.org/go/draft-shur-pack-uri-scheme)	
<i>palm</i>	Used to designate system services in HP webOS applications	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/palm) HP webOS (https://web.archive.org/web/20111215185031/https://developer.palm.com/)	palm:<servicename>[/<method>]]/
<i>paparazzi</i>	Used to launch and automatically take a screen shot using the application "Paparazzi!" (<u>Mac</u> only)	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/paparazzi) Derailer (http://www.derailer.org/paparazzi/faq)	paparazzi:[<options>]http://<host>[:<port>][<transport>]]/
<i>payto</i>	Designate target for payments	Provisional	RFC 8905	payto://<authority>/<receiver>[?<options>] examples: payto://iban/DE75512108001245126199?amount=EUR:200.0&n payto://bic/SOGEDEFFXXX payto://void/?amount=EUR:10.5
<i>pkcs11</i>	<u>PKCS #11</u>	Permanent	RFC 7512	
<i>platform</i>	Access to Eclipse platform resources.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/platform) Eclipse platform scheme documentation (http://help.eclipse.org/indigo/index.jsp?topic=%2Forg.eclipse.platform.doc.isv%2Freference%2Fmisc%2Fplatform-scheme-uri.html)	platform:/(resource plugin fragment meta config base)/...
<i>pop</i>	Accessing mailbox through <u>POP3</u>	Permanent	RFC 2384	pop://[<user>[;AUTH=<auth>]@]<host>[:<port>]
<i>pres</i>	Used in		RFC 3859	

	Common Profile for Presence (CPP) to identify presence	Permanent		pres:<address>[?<header1>=<value1>[&<header2>=<value2>]]
<i>prospero</i>	Prospero Directory Service	Historical	RFC 1738 RFC 4157	
<i>proxy</i>	Alter proxy settings in the FoxyProxy application	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/proxy) FoxyProxy (https://web.archive.org/web/20130620014949/http://getfoxyproxy.org/proxyprotocol.html)	proxy:<option>=<value>[&<option>=<value>[&...]]
<i>psyc</i>	Used to identify or locate a person, group, place or a service and specify its ability to communicate	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/psyc) PSYC	psyc:[//<host>[:<port>][<transport>]]/[<object-name>][#<channel-name>]
<i>query</i>	Opens a filesystem query	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/query) Haiku	query:<queryformula>
<i>redis</i> <i>rediss</i>	<u>Redis</u> database	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/redis) IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/rediss)	
<i>reload</i>	<u>REsource LOcation And Discovery Protocol</u>	Permanent	RFC 6940	reload://<destination>@<overlay>/[<specifier>]
<i>res</i>	Used by Internet Explorer to display error pages when the server doesn't have its own customized error pages, or when there is no response from the server (in case which the server wasn't found, like when the server is down or the domain isn't registered or when there is no Internet connection, or in case of a timeout).	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/res) Microsoft (http://msdn.microsoft.com/en-us/library/aa767740.aspx)	res://ieframe.dll/<File> (Where <File> is the file to load)
<i>resource</i>	Creating mapping for resource protocol aliases generated by the resource instruction. Used by Firefox. ^[1]	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/resource) Mozilla	resource://<aliasname>/ (Where <aliasname> is the name of the aliase)
<i>rmi</i>	Look up a Java object in an RMI registry.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/rmi) Sun	rmi://<host>[:<port>]/<object-name>
<i>rsync</i>	<u>rsync</u>	Provisional	RFC 5781	rsync://<host>[:<port>]/<path>
<i>rtmfp</i>	<u>Real Time Media Flow Protocol</u>		IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/rtmfp)	rtmfp://<host>/<application>/<media>

		Provisional	hemes/prov/rtmfp RFC 7425	
<i>rtmp</i>	Real Time Messaging Protocol	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/rtmp) Adobe Systems	rtmp://<host>/<application>/<media>
<i>rtsp</i>	Real Time Streaming Protocol	Permanent	RFC 2326	
<i>s3</i>	Amazon S3 bucket	Permanent	aws-cli documentation (https://docs.aws.amazon.com/cli/latest/reference/s3/)	s3://mybucket/puppy.jpg
<i>secondlife</i>	Open the Map floater in Second Life application to teleport the resident to the location.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/secondlife) Linden Lab	secondlife://<region name>/<x position>/<y position>/<z position>
<i>service</i>		Permanent	RFC 2609	
<i>session</i>	Media Resource Control Protocol	Permanent	RFC 4463 RFC 6787	session:<content-id> example: session:help@root-level.store
<i>sftp</i>	SFTP file transfers (not be to confused with FTPS (FTP/SSL))	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/sftp) IETF Draft (http://tools.ietf.org/html/draft-ietf-secsh-scp-sftp-ssh-uri)	sftp://[<user>;fingerprint=<host-key fingerprint>]@<host>[:<port>]
<i>sgn</i>	Social Graph Node Mapper	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/sgn) Google	example: sgn://social-network.example.com/?ident=bob
<i>shttp</i>	Secure HTTP	Permanent	RFC 2660	
<i>sieve</i>	ManageSieve protocol	Permanent	RFC 5804	
<i>sip</i>	Used with Session Initiation Protocol (SIP)	Permanent	RFC 2543 RFC 3969 RFC 3261	sip:<user>[:<password>]@<host>[:<port>][;<uri-parameters>][?<header> examples: sip:alice@atlanta.com?subject=project%20x&priority=urg sip:+1-212-555-1212:1234@gateway.com;user=phone
<i>sips</i>	Secure equivalent of <i>sip</i>	Permanent	RFC 3969 RFC 3261	sips:<user>[:<password>]@<host>[:<port>][;<uri-parameters>][?<header>
<i>skype</i>	Launching Skype call (see also callto:)	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/skype) Skype (https://msdn.microsoft.com/en-us/library/dn745878.aspx)	skype:<username phonenumber>[?<add call chat sendfile userinfo>]
<i>smb</i>	Accessing SMB/CIFS shares	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/smb) IETF Draft (http://tools.ietf.org/html/draft-crhertel-smb-uri)	smb://[<user>@]<host>[:<port>][/[<path>]][?<param1>=<value1>[;<param2>=<value2>[...]]] smb:/// [<domain>;<username>[:<password>]@]<server>[:<port>][/[<path>]][?<param1>=<value1>[;<param2>=<value2>[...]]] example: smb://workgroup;user:password@server/share/folder/file
<i>sms</i>	Interact with SMS capable devices for		RFC 5724	sms:<phone number>?<action>

	composing and sending messages.	Permanent		examples: sms:+15105550101?body=hello%20there sms:+15105550101,+15105550102?body=hello%20there
snews	NNTP over SSL/TLS	Historical	RFC 5538	
snmp	<u>Simple Network Management Protocol</u>	Permanent	RFC 4088	snmp://[user@]host[:port]/[<context>[;<contextEngineID>]][/<oid>]] examples: snmp://example.com//1.3.6.1.2.1.1.3+ snmp://tester5@example.com:8161/bridge1;800002b8046162
soap.beep soap.beeps		Permanent	RFC 3288 RFC 4227	
soldat	Joining servers	Provisional	IANA registration template (https://www.iana.org/assignments/uri-sc-hemes/prov/soldat) Soldat	soldat://<host>:<port>/[password] example: soldat://127.0.0.1:23073/thatssecret!
spotify	Load a track, album, artist, search, or playlist in Spotify	Provisional	IANA registration template (https://www.iana.org/assignments/uri-sc-hemes/prov/spotify) Spotify	spotify:<artist album track>:<id> or spotify:search:<text> or spotify:user:<username>:playlist:<id> example: spotify:track:2jCnn1QPQ3E8ExtLe6INsx
ssh	SSH connections (like telnet:)	Provisional	IANA registration template (https://www.iana.org/assignments/uri-sc-hemes/prov/ssh) IETF Draft (http://tools.ietf.org/html/draft-ietf-secsh-scp-sftp-ssh-uri)	ssh://<user>[;fingerprint=<host-key fingerprint>]@<host>[:<port>]
steam	Interact with Steam: install apps, purchase games, run games, etc.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-sc-hemes/prov/steam) Steam, Valve	steam:<command line arguments> or steam://<action>/<id, addon, IP, hostname, etc.>
stun stuns	<u>Session Traversal Utilities for NAT (STUN)</u>	Permanent	RFC 7064	stun[s]:<host>[:<port>]
svn	Provides a link to a Subversion (SVN) source control repository	Provisional	IANA registration template (https://www.iana.org/assignments/uri-sc-hemes/prov/svn) Subversion	svn[+ssh]://<logindetails>@<repository><:port>/<modulepath>
tag	<u>Tag URI</u>	Permanent	RFC 4151	tag:<email/domainname>,<date>:<Item>
teamspeak	Joining a server.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-sc-hemes/prov/teamspeak) TeamSpeak	teamspeak://<server>[:<port>]/[?<parameter1>=<value1>[&<parameter2>
tel	Used for telephone numbers	Permanent	RFC 5341 RFC 3966 RFC 2806	tel:<phonenumber>
telnet	Used with <u>telnet</u>	Permanent	RFC 1738 RFC 4248	telnet://<user>:<password>@<host>[:<port>/]
tftp	<u>Trivial File Transfer Protocol</u>	Permanent	RFC 3617	
things	Interact with Things: create new to-dos or go to a specific list	Provisional	IANA registration template (https://www.iana.org/assignments/uri-sc-hemes/prov/things) Cultured Code	things:command?parameter1=value1¶meter2...
thismessage	multipart/related relative		IANA registration template (https://www.iana.org/assignments/uri-sc-hemes/prov/thismessage)	

	reference resolution	Permanent	a.org/assignments/uri-schemes/permanent/thismessage) RFC 2557	
<i>tn3270</i>	Interactive 3270 emulation sessions	Permanent	RFC 6270	
<i>tip</i>	Transaction Internet Protocol	Permanent	RFC 2371	
<i>turn turns</i>	Traversal Using Relays around NAT (TURN)	Permanent	RFC 7065	turn[s]:<host>[:<port>][?transport=<transport>]
<i>tv</i>	TV Broadcasts	Permanent	RFC 2838	
<i>udp</i>	BitTorrent tracker protocol based on UDP.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/udp) BitTorrent	udp://<server>[:<port>]/
<i>udp</i>	MPEG Transport Stream over UDP	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/udp) MPEG-TS	udp://[<localaddress>@]<destination multicastgroup>[:<port>]
<i>unreal</i>	Joining servers	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/unreal) Unreal	unreal://<server>[:<port>]/
<i>urn</i>	Uniform Resource Names	Permanent	RFC 2141	urn:<namespace>:<specificpart>
<i>ut2004</i>	Joining servers	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/ut2004) Unreal Tournament 2004	ut2004://<server>[:<port>][/?<map>?<options>]
<i>vemmi</i>	Versatile Multimedia Interface	Permanent	RFC 2122	
<i>ventrilo</i>	Joining a server.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/ventrilo) Ventrilo	ventrilo://<server>[:<port>][/?<parameter1>=<value1>[&<parameter2>=
<i>videotex</i>		Historical	IANA registration template (https://www.iana.org/assignments/uri-schemes/historic/videotex) IETF Draft (https://www.iana.org/go/draft-mavrakis-videotex-uri-spec) RFC 2122 RFC 3986	
<i><u>view-source</u></i>	Shows a web page as code 'in the raw'.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/view-source) IETF Draft (https://tools.ietf.org/html/draft-yevstifeyev-view-source-uri)	view-source:<absolute-URI> where <absolute-URI> is specified in RFC 3986. Example: view-source:http://en.wikipedia.org/wiki/URI_scheme
<i>vnc</i>	Virtual Network Computing	Permanent	RFC 7869	vnc://[<host>[:<port>]][?<params>]
<i>wais</i>	Used with Wide area information server (WAIS)	Historical	RFC 1738 RFC 4156	wais://<host>:<port>/<database>[?<search>] or wais://<host>:<port>/<
<i>webcal</i>	Subscribing to		IANA registration	webcal://<hierarchical part>

	calendars in iCalendar format	Provisional	template (https://www.iana.org/assignments/uri-schemes/prov/webcal) iCalendar	example: webcal://example.com/calendar.ics
ws wss	WebSocket protocol	Permanent	RFC 6455	ws:<hierarchical part>
wtai	Wireless Telephony Application Interface	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/wtai) WAP Forum	wtai://wp/mc/+18165551212
wyciwyg	What You Cache Is What You Get <u>WYCIWYG</u>	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/wyciwyg) Mozilla	wyciwyg://<URI>
xcon xcon-userid		Permanent	RFC 6501	
xfire	Adding friends and servers, joining servers, changing status text.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/xfire) Xfire	xfire:<function>[?<parameter1>=<value1>[&<parameter2>=<value2>]]
xmlrpc.beep xmlrpc.beeps		Permanent	RFC 3529	
xmpp	<u>XMPP</u>	Permanent	RFC 4622 RFC 5122	xmpp:[<user>]@<host>[:<port>]/[<resource>][?<query>]
xri	eXtensible Resource Identifier (<u>XRI</u>)	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/xri) OASIS XRI Technical Committee (http://www.oasis-open.org/committees/xri)	xri://<authority>/[<path>]][?<query>][#fragment]
ymsgr	Sending an instant message to a Yahoo! Contact.	Provisional	IANA registration template (https://www.iana.org/assignments/uri-schemes/prov/ymsgr) Yahoo! Messenger	ymsgr:sendIM?<screenname>
z39.50	Z39.50 information access	Historical	RFC 1738 RFC 2056	
z39.50r	<u>Z39.50</u> retrieval	Permanent	RFC 2056	z39.50r://<host>[:<port>]/<database>?<docid>[;esn=<elementset>][;rs
z39.50s	Z39.50 session	Permanent	RFC 2056	z39.50s://<host>[:<port>]/[<database>][?<docid>][;esn=<elementset>]

Unofficial but common URI schemes

Scheme	Purpose	Defined by	General format	Notes
<i>admin</i>	URL scheme in the GNOME desktop environment to access file(s) with administrative permissions with GUI applications in a safer way, instead of the <i>insecure-considered</i> sudo, gksu & gksudo.	GNOME Virtual file system (http://wiki.gnome.org/Projects/gvfs/backends)	admin://<path>/<to>/<file> example: gedit admin:///etc/default/grub	See more informat [5] (https://wiki.gnome.org/Projects/gvfs/backends)
<i>app</i>	URL scheme can be used by packaged applications to obtain resources that are inside a container.	Google (http://google.com)	app://<application>/<path> example: app://com.foo.bar/index.html	See more informat [6] (http://www.w3.org/TR/2013/WD-app-uri/) [7] (http://www.w3.org/TR/2013/WD-app-uri/)
<i>doi</i>	Digital object identifier, a digital identifier for any object of intellectual property.	IETF Draft (http://tools.ietf.org/html/draft-paskin-doi-uri)	doi:10.<publisher number>/<suffix> example: doi:10.1000/182 (https://doi.org/doi:10.1000/182)	Used e.g. for most publications. Can be resolved via https://doi.org/http://hdl.handle.net/ (transformed into a by prepending https://doi.org/http://hdl.handle.net/ in front.
<i>javascript</i>	Execute JavaScript code	IETF Draft (http://tools.ietf.org/html/draft-hoehrmann-javascript-scheme)	javascript:<javascript to execute>	
<i>jdbc</i>	Connect a database with Java Database Connectivity technology.	Database vendor dependent	jdbc:somejdbcvendor:other_data... jdbc:oracle:oci:@host:port(sid or [/service])?params... jdbc:sqlserver://serverName\instanceName:portNumber;params... jdbc:mysql://host:port/database?params...	Requires a vendor connector (jar arch be included in the class library.
<i>odbc</i>	Open Database Connectivity	IETF Draft (http://tools.ietf.org/html/draft-patrick-lambert-odbc-uri-scheme)		
<i>stratum</i>	Connectivity URI for the Stratum protocol, used for proof-of-work coordination in pooled cryptocurrency mining.	Stratum Protocol Draft (https://docs.google.com/a/palatinus.cz/document/d/17zHy1SUihtgCMbypO8cHgpWH73V5iUQKkOrWvMqSNs/edit?hl=en_US)	stratum+tcp://server:port, stratum+udp://server:port	This protocol has completely superseded now-obsolete Getw protocol, ^[3] and was primarily to reduce overhead as mining sizes inevitably scale upwards. ^[4]
<i>web+...</i>	Effectively namespaces web-based protocols from other, potentially less web-secure, protocols.	This convention is defined within the HTML Living Standard specification (https://html.spec.whatwg.org/#web+-scheme-prefix)	web+(string of some lower-case alphabetic characters):	This convention is associated with the registration of any scheme but is currently a requirement as we have a convention for non-whitelisted web-based protocols.
<i>zoommtg, zoomus</i>	Used by Zoom conferencing software to launch the Zoom client	Zoom developer community (https://medium.com/zoom-developer-blog/zoom-url-schemes-d9205)	example: zoommtg://zoom.us/join?confno=<confno>...	See more informat Zoom developer community (https://medium.com/zoom-developer-blog/zoom-url-schemes-d9205)

		mes-748b95fd9205)		
<i>trueconf:</i>	Used by TrueConf Server to interact with client applications	[8] (https://trueconf.com/blog/knowledge-base/trueconf-protocol-designed-to-interact-with-trueconf-client-applications.html)	trueconf:[target]@[server]&[param_1]=[value_1]&[...]&[param_n]=[value_n]	See more informat (https://trueconf.com/knowledge-base/trueconf-protocol-designed-to-interact-with-trueconf-client-applications.html)
<i>slack</i>	Used by Slack to launch the Slack client	Slack API reference (https://api.slack.com/reference/deep-linking)	example: slack://open?team={TEAM_ID}	

References

1. Taken from the following documentation page of Firefox's Developer: [Chrome registration \(https://developer.mozilla.org/en/Chrome_Registration/\)](https://developer.mozilla.org/en/Chrome_Registration/)
2. JCIFS API: Class jcifs.smb.SmbFile (<http://www.jarvana.com/jarvana/view/org/samba/jcifs/jcifs/1.2.19/jcifs-1.2.19-javadoc.jar!/jcifs/smb/SmbFile.html>)
3. [Stratum \(https://en.bitcoin.it/wiki/Stratum\)](https://en.bitcoin.it/wiki/Stratum), Stratum Protocol
4. [Stratum mining protocol \(http://mining.bitcoin.cz/stratum-mining\)](http://mining.bitcoin.cz/stratum-mining), *...the official documentation of lightweight bitcoin mining protocol.*

External links

- [Official IANA Registry of URI Schemes \(https://www.iana.org/assignments/uri-schemes/uri-schemes.xhtml\)](https://www.iana.org/assignments/uri-schemes/uri-schemes.xhtml)
- [More information, including many more schemes \(https://www.w3.org/wiki/UriSchemes\)](https://www.w3.org/wiki/UriSchemes)

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