



Service Name and Transport Protocol Port Number Registry

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Reference
[\[RFC6335\]](#)

Note

Service names and port numbers are used to distinguish between different services that run over transport protocols such as TCP, UDP, DCCP, and SCTP.

Service names are assigned on a first-come, first-served process, as documented in [\[RFC6335\]](#).

Port numbers are assigned in various ways, based on three ranges: System Ports (0-1023), User Ports (1024-49151), and the Dynamic and/or Private Ports (49152-65535); the different uses of these ranges are described in [\[RFC6335\]](#). According to Section 8.1.2 of [\[RFC6335\]](#), System Ports are assigned by the "IETF Review" or "IESG Approval" procedures described in [\[RFC8126\]](#). User Ports are assigned by IANA using the "IETF Review" process, the "IESG Approval" process, or the "Expert Review" process, as per [\[RFC6335\]](#). Dynamic Ports are not assigned.

The registration procedures for service names and port numbers are described in [\[RFC6335\]](#).

Assigned ports both System and User ports SHOULD NOT be used without or prior to IANA registration.

* PLEASE NOTE THE FOLLOWING: *
* *
* ASSIGNMENT OF A PORT NUMBER DOES NOT IN ANY WAY IMPLY AN *
* ENDORSEMENT OF AN APPLICATION OR PRODUCT, AND THE FACT THAT NETWORK *
* TRAFFIC IS FLOWING TO OR FROM A REGISTERED PORT DOES NOT MEAN THAT *
* IT IS "GOOD" TRAFFIC, NOR THAT IT NECESSARILY CORRESPONDS TO THE *
* ASSIGNED SERVICE. FIREWALL AND SYSTEM ADMINISTRATORS SHOULD *
* CHOOSE HOW TO CONFIGURE THEIR SYSTEMS BASED ON THEIR KNOWLEDGE OF *
* THE TRAFFIC IN QUESTION, NOT WHETHER THERE IS A PORT NUMBER *
* REGISTERED OR NOT. *

Request an Assignment
[\[https://www.iana.org/protocols/apply\]](https://www.iana.org/protocols/apply)

Available Formats

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Service Name	Port Number	Transport Protocol	Description	Assignee	Contact	Registration Date	Modification Date	Reference	Service Code	Unauthorized Use Reported	A N
	0	tcp	Reserved	[Jon Postel]	[Jon Postel]						
	0	udp	Reserved	[Jon Postel]	[Jon Postel]						
tcpmux	1	tcp	TCP Port Service Multiplexer	[Mark Lottor]	[Mark Lottor]						
tcpmux	1	udp	TCP Port Service Multiplexer	[Mark Lottor]	[Mark Lottor]						
compressnet	2	tcp	Management Utility								
compressnet	2	udp	Management Utility								
compressnet	3	tcp	Compression Process	[Bernie Volz]	[Bernie Volz]						
compressnet	3	udp	Compression Process	[Bernie Volz]	[Bernie Volz]						
	4	tcp	Unassigned								

Service Name	Port Number	Transport Protocol	Description	Assignee	Contact	Registration Date	Modification Date	Reference	Service Code	Unauthorized Use Reported	A N
	4	udp	Unassigned								
rje	5	tcp	Remote Job Entry	[Jon Postel]	[Jon Postel]						
rje	5	udp	Remote Job Entry	[Jon Postel]	[Jon Postel]						
	6	tcp	Unassigned								
	6	udp	Unassigned								
echo	7	tcp	Echo	[Jon Postel]	[Jon Postel]						
echo	7	udp	Echo	[Jon Postel]	[Jon Postel]						
	8	tcp	Unassigned								
	8	udp	Unassigned								
discard	9	tcp	Discard	[Jon Postel]	[Jon Postel]						
discard	9	udp	Discard	[Jon Postel]	[Jon Postel]						
discard	9	sctp	Discard	[Randall Stewart]	[Randall Stewart]		2022-02-07	[RFC9260]			
discard	9	dccp	Discard	[Eddie Kohler]	[Eddie Kohler]			[RFC4340]	1145656131		
	10	tcp	Unassigned								
	10	udp	Unassigned								
sysstat	11	tcp	Active Users	[Jon Postel]	[Jon Postel]						
sysstat	11	udp	Active Users	[Jon Postel]	[Jon Postel]						
	12	tcp	Unassigned								
	12	udp	Unassigned								
daytime	13	tcp	Daytime	[Jon Postel]	[Jon Postel]			[RFC867]			
daytime	13	udp	Daytime	[Jon Postel]	[Jon Postel]			[RFC867]			
	14	tcp	Unassigned								
	14	udp	Unassigned								
	15	tcp	Unassigned [was netstat]								
	15	udp	Unassigned								
	16	tcp	Unassigned								
	16	udp	Unassigned								
qotd	17	tcp	Quote of the Day	[Jon Postel]	[Jon Postel]						
qotd	17	udp	Quote of the Day	[Jon Postel]	[Jon Postel]						
msp	18	tcp	Message Send Protocol (historic)	[Rina Nethaniel]	[Rina Nethaniel]						
msp	18	udp	Message Send Protocol (historic)	[Rina Nethaniel]	[Rina Nethaniel]						
chargen	19	tcp	Character Generator								
chargen	19	udp	Character Generator								
ftp-data	20	tcp	File Transfer [Default Data]	[Jon Postel]	[Jon Postel]						
ftp-data	20	udp	File Transfer [Default Data]	[Jon Postel]	[Jon Postel]						
ftp-data	20	sctp	FTP	[Randall Stewart]	[Randall Stewart]		2022-02-07	[RFC9260]			
ftp	21	tcp	File Transfer Protocol [Control]	[Jon Postel]	[Jon Postel]			[RFC959]			D k < p: < p: <
ftp	21	udp	File Transfer Protocol [Control]	[Jon Postel]	[Jon Postel]			[RFC959]			D k < p: < p: <
ftp	21	sctp	FTP	[Randall Stewart]	[Randall Stewart]		2022-02-07	[RFC9260]			D k < p: < p: <

Service Name	Port Number	Transport Protocol	Description	Assignee	Contact	Registration Date	Modification Date	Reference	Service Code	Unauthorized Use Reported	A N
ssh	22	tcp	The Secure Shell (SSH) Protocol					[RFC4251]			D ke <1 p: <1
ssh	22	udp	The Secure Shell (SSH) Protocol					[RFC4251]			D ke <1 p: <1
ssh	22	sctp	SSH	[Randall Stewart]	[Randall Stewart]		2022-02-07	[RFC9260]			D ke <1 p: <1
telnet	23	tcp	Telnet	[Jon Postel]	[Jon Postel]			[RFC854]			D ke <1 p: <1
telnet	23	udp	Telnet	[Jon Postel]	[Jon Postel]			[RFC854]			D ke <1 p: <1
	24	tcp	any private mail system	[Rick Adams]	[Rick Adams]						
	24	udp	any private mail system	[Rick Adams]	[Rick Adams]						
smtp	25	tcp	Simple Mail Transfer	[IESG]	[IETF Chair]		2017-06-05	[RFC5321]			
smtp	25	udp	Simple Mail Transfer	[IESG]	[IETF Chair]		2017-06-05	[RFC5321]			
	26	tcp	Unassigned								
	26	udp	Unassigned								
nsw-fe	27	tcp	NSW User System FE	[Robert Thomas]	[Robert Thomas]						
nsw-fe	27	udp	NSW User System FE	[Robert Thomas]	[Robert Thomas]						
	28	tcp	Unassigned								
	28	udp	Unassigned								
msg-icp	29	tcp	MSG ICP	[Robert Thomas]	[Robert Thomas]						
msg-icp	29	udp	MSG ICP	[Robert Thomas]	[Robert Thomas]						
	30	tcp	Unassigned								
	30	udp	Unassigned								
msg-auth	31	tcp	MSG Authentication	[Robert Thomas]	[Robert Thomas]						
msg-auth	31	udp	MSG Authentication	[Robert Thomas]	[Robert Thomas]						
	32	tcp	Unassigned								
	32	udp	Unassigned								
dsp	33	tcp	Display Support Protocol	[Ed Cain]	[Ed Cain]						
dsp	33	udp	Display Support Protocol	[Ed Cain]	[Ed Cain]						
	34	tcp	Unassigned								
	34	udp	Unassigned								
	35	tcp	any private printer server	[Jon Postel]	[Jon Postel]						
	35	udp	any private printer server	[Jon Postel]	[Jon Postel]						
	36	tcp	Unassigned								
	36	udp	Unassigned								
time	37	tcp	Time	[Jon Postel]	[Jon Postel]						
time	37	udp	Time	[Jon Postel]	[Jon Postel]						
rap	38	tcp	Route Access Protocol	[Robert Ullmann]	[Robert Ullmann]						
rap	38	udp	Route Access Protocol	[Robert Ullmann]	[Robert Ullmann]						

Service Name	Port Number	Transport Protocol	Description	Assignee	Contact	Registration Date	Modification Date	Reference	Service Code	Unauthorized Use Reported	A N
rlp	39	tcp	Resource Location Protocol	[Mike Accetta]	[Mike Accetta]						
rlp	39	udp	Resource Location Protocol	[Mike Accetta]	[Mike Accetta]						
	40	tcp	Unassigned								
	40	udp	Unassigned								
graphics	41	tcp	Graphics								
graphics	41	udp	Graphics								
name	42	tcp	Host Name Server								
name	42	udp	Host Name Server								
nameserver	42	tcp	Host Name Server								
nameserver	42	udp	Host Name Server								
nicname	43	tcp	Who Is								
nicname	43	udp	Who Is								
mpm-flags	44	tcp	MPM FLAGS Protocol								
mpm-flags	44	udp	MPM FLAGS Protocol								
mpm	45	tcp	Message Processing Module [recv]								
mpm	45	udp	Message Processing Module [recv]								
mpm-snd	46	tcp	MPM [default send]	[Jon Postel]	[Jon Postel]						

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Contact Information

ID	Name	Organization	Contact URI	Last Updated
[Bernie_Volz]	Bernie Volz		mailto:volz@cisco.com	
[Ed_Cain]	Ed Cain		mailto:cain&edn-unix.dca.mil	
[Eddie_Kohler]	Eddie Kohler	IETF dccp WG	mailto:kohler@cs.ucla.edu	
[IESG]		IESG	mailto:iesg@ietf.org	
[IETF_Chair]	IETF Chair	IETF	mailto:chair@ietf.org	
[Jon_Postel]	Jon Postel		mailto:postel@isi.edu	
[Mark_Lottor]	Mark Lottor		mailto:MKL@nisc.sri.com	
[Mike_Accetta]	Mike Accetta		mailto:MIKE.ACCETTA@cmu-cs-a.edu	
[Randall_Stewart]	Randall Stewart	IETF TSVWG	mailto:rrs@lakerest.net	
[Rick_Adams]	Rick Adams		mailto:rick@uunet.uu.net	
[Rina_Nethaniel]	Rina Nethaniel			
[Robert_Thomas]	Robert Thomas		mailto:BThomas@f.bbn.com	
[Robert_Ullmann]	Robert Ullmann		mailto:ariel@world.std.com	

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