IANA
Internet Assigned Numbers Authority

Service Name and Transport Protocol Port Number Registry

Last Updated
2022-10-21
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DCCP: Eddie Kohler and Yoshifumi Nishida
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.                                                  *
************************************************************************
```

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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 ⊠
	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							
	4	udp	Unassigned							
rje	5	tcp	Remote Job Entry	[[Jon Postel](#)]	[[Jon Postel](#)]					
rje	5	udp	Remote Job Entry	[[Jon Postel](#)]	[[Jon Postel](#)]					

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	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							
systat	11	tcp	Active Users	[Jon_Postel]	[Jon_Postel]					
systat	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]		
ftp	21	udp	File Transfer Protocol [Control]	[Jon_Postel]	[Jon_Postel]			[RFC959]		
ftp	21	sctp	FTP	[Randall_Stewart]	[Randall_Stewart]		2022-02-07	[RFC9260]		
ssh	22	tcp	The Secure Shell (SSH) Protocol					[RFC4251]		
ssh	22	udp	The Secure Shell (SSH) Protocol					[RFC4251]		

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ssh	22	sctp	SSH	[Randall_Stewart]	[Randall_Stewart]		2022-02-07	[RFC9260]		
telnet	23	tcp	Telnet	[Jon_Postel]	[Jon_Postel]			[RFC854]		
telnet	23	udp	Telnet	[Jon_Postel]	[Jon_Postel]			[RFC854]		
	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]					
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							

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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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