When Bitcoin Core automatically opens outgoing P2P connections, it chooses a peer (address and port) from its list of potential peers. This list is populated with unchecked data gossiped over the P2P network by other peers.

A malicious actor may gossip an address:port where no Bitcoin node is listening, or one where a service is listening that is not related to the Bitcoin network. As a result, this service may occasionally get connection attempts from Bitcoin nodes.

"Bad" ports are ones used by services which are usually not open to the public and usually require authentication. A connection attempt (by Bitcoin Core, trying to connect because it thinks there is a Bitcoin node on that address:port) to such service may be considered a malicious action by an ultra-paranoid administrator. An example for such a port is 22 (ssh). On the other hand, connection attempts to public services that usually do not require authentication are unlikely to be considered a malicious action, e.g. port 80 (http).

Below is a list of "bad" ports which Bitcoin Core avoids when choosing a peer to connect to. If a node is listening on such a port, it will likely receive fewer incoming connections.

```
1:     tcpmux
7:     echo
9:     discard
11:    systat
13:    daytime
15:    netstat
17:    qotd
19:    chargen
20:    ftp data
21:    ftp access
22:    ssh
23:    telnet
25:    smtp
37:    time
42:    name
43:    nicname
53:    domain
69:    tftp
77:    priv-rjs
79:    finger
87:    ttylink
95:    supdup
101:   hostname
102:   iso-tsap
103:   gppitnp
104:   acr-nema
109:   pop2
```

110:	pop3
111:	sunrpc
113:	auth
115:	sftp
117:	uucp-path
119:	nntp
123:	NTP
135:	loc-srv /epmap
137:	netbios
139:	netbios
143:	imap2
161:	snmp
179:	BGP
389:	ldap
427:	SLP (Also used by Apple Filing Protocol)
465:	smtp+ssl
512:	print / exec
513:	login
514:	shell
515:	printer
526:	tempo
530:	courier
531:	chat
532:	netnews
540:	uucp
548:	AFP (Apple Filing Protocol)
554:	rtsp
556:	remotefs
563:	nntp+ssl
587:	smtp (rfc6409)
601:	syslog-conn (rfc3195)
636:	ldap+ssl
989:	ftps-data
990:	ftps
993:	ldap+ssl
995:	pop3+ssl
1719:	h323gatestat
1720:	h323hostcall
1723:	pptp
2049:	nfs
3659:	apple-sasl / PasswordServer
4045:	lockd
5060:	sip
5061:	sips
6000:	X11
6566:	sane-port

```
6665:  Alternate IRC
6666:  Alternate IRC
6667:  Standard IRC
6668:  Alternate IRC
6669:  Alternate IRC
6697:  IRC + TLS
10080: Amanda
```

For further information see:

pull/23306

pull/23542

fetch.spec.whatwg.org

chromium.googlesource.com

hg.mozilla.org