



Default Service Configuration Reference Tables

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Introduction

This chapter describes the default service configuration provided with Cisco SCA BB. The default service configuration serves as a starting point for creating a service configuration tailored to meet customer needs.

This chapter consists of these sections:

- [Filter Rules, page 1-2](#)
- [Information About Protocols, page 1-4](#)
- [Services, page 1-44](#)
- [RDR Settings, page 1-50](#)
- [Rules, page 1-54](#)
- [System Mode, page 1-54](#)

Filter Rules

Filter rules allow you to instruct the Cisco SCE platform to ignore some types of flow based on Layer 3 and Layer 4 properties of the flow, and transmit the flows without any changes.

Table 1-1 lists the filter rules defined in the default service configuration.

Table 1-1 Filter Rules

| Flow Filter Name | Default State | Description |
|-----------------------------|---------------|--|
| ICMP Filter | Active | Applies to ICMP packets, packets bypass the policy engine and are mapped to CoS BE. |
| DNS (to network) | Active | Applies to UDP packets, network-side port is equal to 53, packets bypass the policy engine and are mapped to CoS BE. |
| DNS (to subscriber) | Active | Applies to UDP packets, subscriber-side port is equal to 53, packets bypass the policy engine and are mapped to CoS BE. |
| net-bios (to network) | Active | Applies to UDP packets, network-side port is equal to 137, packets bypass the policy engine and are mapped to CoS BE. |
| net-bios (to subscriber) | Active | Applies to UDP packets, network-side port is equal to 137, packets bypass the policy engine and are mapped to CoS BE. |
| eDonkey UDP (to network) | Inactive | Applies to UDP packets, network-side ports in the range 4661 – 4665, packets bypass the policy engine and are mapped to CoS BE. |
| eDonkey UDP (to subscriber) | Inactive | Applies to UDP packets, subscriber-side ports in the range 4661 – 4665, packets bypass the policy engine and are mapped to CoS BE. |
| eMule UDP (to network) | Inactive | Applies to UDP packets, network-side ports in the range 4670 – 4674, packets bypass the policy engine and are mapped to CoS BE. |
| eMule UDP (to subscriber) | Inactive | Applies to UDP packets, subscriber-side ports in the range 4670 – 4674, packets bypass the policy engine and are mapped to CoS BE. |
| eMule UDP 2 (to network) | Inactive | Applies to UDP packets, network-side ports in the range 5670 – 5674, packets bypass the policy engine and are mapped to CoS BE. |
| eMule UDP 2 (to subscriber) | Inactive | Applies to UDP packets, subscriber-side ports in the range 5670 – 5674, packets bypass the policy engine and are mapped to CoS BE. |
| eMule UDP 3 (to network) | Inactive | Applies to UDP packets, network-side ports in the range 5780 – 5784, packets bypass the policy engine and are mapped to CoS BE. |
| eMule UDP 3 (to subscriber) | Inactive | Applies to UDP packets, subscriber-side ports in the range 5780 – 5784, packets bypass the policy engine and are mapped to CoS BE. |

Table 1-1 *Filter Rules (continued)*

| Flow Filter Name | Default State | Description |
|----------------------------------|----------------------|---|
| BGP Filter | Inactive | Applies to TCP packets, network-side port is equal to 179, packets bypass the policy engine and are mapped to CoS BE. |
| DHCP Filter | Inactive | Applies to UDP packets, network-side ports in the range 67 – 68, packets bypass the policy engine and are mapped to CoS BE. |
| OSPF Filter | Inactive | Applies to OSPFIGP packets, packets bypass the policy engine and are mapped to CoS BE. |
| IS-IS Filter | Inactive | Applies to IS-IS packets, packets bypass the policy engine and are mapped to CoS BE. |
| IGRP Filter | Inactive | Applies to IGP packets, packets bypass the policy engine and are mapped to CoS BE. |
| EIGRP Filter | Inactive | Applies to EIGRP packets, packets bypass the policy engine and are mapped to CoS BE. |
| HSRP Filter 1 | Inactive | Applies to UDP packets, network-side IP is equal to 224.0.0.2, packets bypass the policy engine and are mapped to CoS BE. |
| HSRP Filter 2 | Inactive | Applies to UDP packets, network-side port is equal to 1985, packets bypass the policy engine and are mapped to CoS BE. |
| HSRP Filter 3 | Inactive | Applies to UDP packets, subscriber-side port is equal to 1985, packets bypass the policy engine and are mapped to CoS BE. |
| RIP Filter 1 | Inactive | Applies to UDP packets, network-side IP is equal to 224.0.0.9, packets bypass the policy engine and are mapped to CoS BE. |
| RIP Filter 2 | Inactive | Applies to UDP packets, network-side port is equal to 520, packets bypass the policy engine and are mapped to CoS BE. |
| RIP Filter 3 | Inactive | Applies to UDP packets, subscriber-side port is equal to 520, packets bypass the policy engine and are mapped to CoS BE. |
| RADIUS Filter | Inactive | Applies to UDP packets, network-side port is equal to 1812, packets bypass the policy engine and are mapped to CoS BE. |
| RADIUS Filter (early deployment) | Inactive | Applies to UDP packets, network-side ports in the range 1645 – 1646, packets bypass the policy engine and are mapped to CoS BE. |

Information About Protocols

Protocols are divided into four groups:

- Generic protocols—Protocols that are used for transactions not mapped to a service by one of the more specific protocol types.
- Signature-based protocols—Protocols that are classified according to a Layer 7 application signature. This group includes the most common protocols, such as HTTP and FTP, and a large group of popular Peer-to-Peer protocols.
- IP protocols—Protocols (such as ICMP), other than TCP and UDP protocols that are identified according to the IP protocol number of the transaction.
- Port-based protocols—TCP and UDP protocols that are classified according to their well-known ports. The default configuration includes more than 600 common port-based protocols.

You may add new protocols (for example, to classify a new gaming protocol that uses a specific port) and edit or remove existing ones.

In Cisco SCA BB Console, protocols are listed in ASCII order.

The tables in the following sections list the protocols defined in the default service configuration:

- [Generic Protocols, page 1-4](#)
- [Signature-Based Protocols, page 1-5](#)
- [IP Protocols, page 1-15](#)
- [Port-Based Protocols, page 1-19](#)
- [Protocols Identified on Unidirectional Flows, page 1-41](#)

Generic Protocols

Three generic protocols (IP, TCP, and UDP) serve as default containers for classifying transactions of the relevant type (IP, TCP, or UDP) that are not classified as belonging to a more specific protocol.

A transaction is classified as belonging to one of the generic protocols if it meets both the following conditions:

- It was not classified as belonging to a signature-based protocol.
- It was not classified as belonging to an IP or port-based protocol that is mapped to a service.

[Table 1-2](#) list the generic protocols.

Table 1-2 **Generic Protocols**

| Protocol Name | ID | Description |
|---------------|------|---|
| Generic IPv6 | 1196 | Any IPv6 traffic (TCP or UDP) that does not match the Signature-Based protocol, and where the related port-based protocol (if it exists) is not specifically mapped to a service. |
| Generic IP | 10 | Any non-TCP or non-UDP transaction where the related IP protocol is not specifically mapped to a service. |

Table 1-2 *Generic Protocols (continued)*

| Protocol Name | ID | Description |
|---------------|----|---|
| Generic TCP | 0 | Any TCP transaction that does not match any signature-based protocol, and where the related port-based protocol (if it exists) is not specifically mapped to a service. |
| Generic UDP | 1 | Any UDP transaction that does not match any signature-based protocol, and where the related port-based protocol (if it exists) is not specifically mapped to a service. |

Signature-Based Protocols

A transaction is classified as belonging to one of the signature-based protocols if it is carried on the well-known port of the protocol or matches the signature of the protocol.



Note

[Table 1-3](#) lists only signature-based protocols that are not Peer-to-Peer, VoIP, or SIP protocols (these protocols are listed in the following tables). However, the Signature-Based Protocols Filter in the Console lists all signature-based protocols.

Table 1-3 *Signature-Based Protocols*

| Protocol Name | ID | TCP Ports | UDP Ports |
|---|------|-----------|-----------|
| ActiveSync Gmail | 1123 | — | — |
| Apple iCloud | 1204 | — | — |
| AppleMaps | 1343 | — | — |
| App Store | 1338 | — | — |
| ARD Mediathek | 1321 | — | — |
| Audio over HTTP | 1041 | — | — |
| Akamai | 1326 | — | — |
| Alicall | 1169 | — | — |
| Baidu Movie | 1043 | — | — |
| Bebo | 1251 | — | — |
| Behavioral Upload/Download See note on page 11 . | 127 | — | — |
| Binary over HTTP | 1042 | — | — |
| BitCoin | 1347 | — | — |
| Bitmessage | 1348 | — | — |
| BRMediathek | 1323 | — | — |
| BT SPORT | 1325 | — | — |
| Bump | 1276 | — | — |
| Call Of Duty | 1127 | — | — |
| CCcam-Traffic | 1129 | — | — |

Table 1-3 *Signature-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------------|-----------|------------------|------------------|
| CCTV_Video_Stream_UDP | 1141 | — | — |
| ChatON | 1249 | — | — |
| CloudMe | 1255 | — | — |
| CUWorld | 117 | — | — |
| CinepolisKlic | 1315 | — | — |
| Citrix | 1104 | — | — |
| clipfish.de | 1312 | — | — |
| Club Box | 1038 | — | — |
| Crackle | 1318 | — | — |
| Crashplan | 1297 | — | — |
| Daum My People | 1231 | — | — |
| Dailymotion | 1223 | — | — |
| DailymotionHTTP | 1313 | — | — |
| DHCP | 33 | — | — |
| DHCPv6 | 1300 | — | — |
| DHT | 106 | — | — |
| Dial070 - Smartphone Login | 1131 | — | — |
| Dial91 | 1311 | — | — |
| DNS | 47 | — | — |
| Dota2 | 1344 | | |
| DroidVPN | 1352 | | |
| eBay | 1257 | — | — |
| DingoTel | 42 | — | — |
| Facebook HTTP | 1262 | — | — |
| Facebook Messenger Chat | 1228 | — | — |
| Facebook Over HTTPS | 1245 | — | — |
| Facebook Poke | 1245 | — | — |
| Facebook Video Record | 1163 | — | — |
| Final Fantasy | 1330 | — | — |
| FIX | 1113 | — | — |
| FTP | 4 | 21 | — |
| Flash | 2033 | — | — |
| Flash MySpace | 2035 | — | — |
| Flash Yahoo | 2036 | — | — |
| Flash YouTube | 2034 | — | — |
| Flash YouTube Normal | 1084 | — | — |

Table 1-3 *Signature-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|---|-----------|------------------|------------------|
| Flash YouTube HD | 1082 | — | — |
| FourSquare | 1254 | — | — |
| Fring | 1052 | — | — |
| FunshionTCP | 1144 | — | — |
| FunshionUDP | 1145 | — | — |
| GaduGadu | 1146 | — | — |
| GBox-Traffic | 1132 | — | — |
| Generic P2PSuspected | 1143 | — | — |
| Generic Nonestablished TCP See note on page 11 . | 126 | — | — |
| Google Hangout | 2073 | — | 19305 - 19309 |
| GoogleMaps | 1258 | — | — |
| Google Maps Iphone | 1307 | — | — |
| Google Call Phone | 1164 | — | — |
| Google Talk | 1030 | — | — |
| Gmail Video | 1289 | — | — |
| GoogleEarth | 118 | — | — |
| Hike | 1320 | — | — |
| HootSuite | 1261 | — | — |
| GroupMe | 1252 | — | — |
| HTTP Browsing | 2 | 80, 8080 | — |
| HTTP POST | 1283 | — | — |
| HTTP Tunnel | 55 | — | — |
| Hopster | 115 | — | — |
| ICQ | 119 | — | — |
| iMessage | 1188 | — | — |
| imap | 59 | 143 | 143 |
| Imgur | 1327 | — | — |
| Instagram | 1216 | — | — |
| Iperf | 1277 | — | — |
| IRC | 62 | — | — |
| iTunes | 30 | — | — |
| JustVoIP | 1167 | — | — |
| LoveFilm | 1212 | — | — |
| IBM Lotus Domino | 1198 | — | — |
| Jabber | 116 | — | — |

Table 1-3 *Signature-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|-------------------------|-----------|------------------|------------------|
| Kakao Talk | 1226 | 9001 | — |
| Keek | 1341 | — | — |
| Knight Online | 1340 | — | — |
| League of Legends | 1339 | — | — |
| Line Camera | 1335 | — | — |
| LinkedIn | 1281 | — | — |
| LogMeIn | 1224 | — | — |
| MailruChat | 1288 | — | — |
| MediaFire | 1286 | — | — |
| Megacloud | 1293 | — | — |
| MessageMe | 1319 | — | — |
| Minecraft-Gaming | 1176 | — | — |
| MMS | 6 | 1755 | — |
| Mozy | 1296 | — | — |
| MS Exchange Desktop | 1111 | — | — |
| MS Push Mail | 1048 | — | — |
| Mobile MMS | 46 | — | — |
| MyJabber | 1056 | — | — |
| MyPeople Video Call | 1171 | — | — |
| MyPeople Voice Over SIP | 1170 | — | — |
| Myvideo_de | 1353 | — | — |
| Napster | 32 | — | — |
| Nateon | 1077 | — | — |
| NateonTalk | 1234 | — | — |
| NDRMediathek | 1355 | — | — |
| NNTP | 15 | 119 | — |
| NowTV | 1309 | — | — |
| NetflixNetworking | 1139 | — | — |
| NexTV | 1173 | — | — |
| Newcamd-Traffic | 1130 | — | — |
| NTP | 54 | — | — |
| Onlive | 1310 | — | — |
| ooVoo | 1114 | — | — |
| OpenDrive | 1317 | — | — |
| OpenVPN | 1098 | — | — |
| Origin | 1222 | 5222 | — |

Table 1-3 *Signature-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------------------|-----------|------------------|------------------|
| POP3 | 9 | 110 | — |
| Put.io | 1253 | | — |
| QQ | 52 | — | — |
| QQ_Android | 2074 | — | — |
| Qvod | 1181 | — | — |
| radius | 738 | — | — |
| Rapidshare | 1256 | 80 | — |
| Remote Desktop Connection | 1284 | — | — |
| Rift_Tcp | 1175 | — | — |
| RTMPS | 1103 | 443 | — |
| RTL Now | 1316 | — | — |
| RTSP Streaming | 5 | 554, 1554, 7070 | — |
| RayV | 1112 | — | — |
| Saavn | 1229 | — | — |
| Satellite Direct | 1299 | — | — |
| SAT1 | 1351 | — | — |
| SD Gundam Capsule Fighter Online | 1197 | — | — |
| Shoutcast | 1275 | — | — |
| SinaWeibo | 1357 | — | — |
| SilkRoad | 1331 | — | — |
| SkyDrive | 1225 | — | — |
| Skype File Transfer | 2114 | — | — |
| SMTP | 8 | 25 | — |
| Soundcloud_HTTPS | 1230 | — | — |
| Snapchat | 1271 | — | — |
| SocialCam | 1273 | — | — |
| SPDY | 1328 | — | — |
| SpeedTest | 1349 | — | — |
| SpiderOak Hive | 1324 | — | — |
| SSDP | 53 | — | — |
| SSL | 1100 | — | — |
| Steam | 1097 | — | — |
| StromMedia | 1314 | — | — |
| STUN | 114 | — | — |
| Second Life | 1060 | — | — |

Table 1-3 *Signature-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|------|-----------|-----------|
| Shareman-download | 1172 | — | — |
| SkeedReceiver | 1109 | — | — |
| Skype Video | 1168 | — | — |
| Sling | 112 | — | — |
| Starcraft2-Gaming | 1174 | — | — |
| Street Fighter IV | 1101 | — | — |
| SVTPlay | 1140 | — | — |
| Talkray | 1266 | — | — |
| Tango Video Calls | 1166 | — | — |
| TeamViewer | 1179 | — | — |
| Temp Gmail Video TCP | 1161 | — | — |
| Temp Gmail Video SSL | 1162 | — | — |
| TencentWeibo | 1358 | — | — |
| Teredo | 1210 | — | — |
| tftp | 60 | 69 | 69 |
| Tivibu | 1350 | — | — |
| TotalMovie | 1298 | — | — |
| TTNET Muzik | 1354 | — | — |
| TuneIn Radio | 1333 | — | — |
| TunnelBear | 1346 | — | — |
| Ubisoft Uplay | 1337 | — | — |
| Ubuntuone | 1232 | — | — |
| UC | 48 | — | — |
| Ultrasurf | 1285 | — | — |
| Ustream | 1136 | — | — |
| Utagoe UGLive2 | 1108 | — | — |
| UUSee | 1177 | — | — |
| Video over HTTP | 1040 | — | — |
| Viddy | 1260 | — | — |
| Vimeo | 1295 | — | — |
| Vopium | 1227 | — | — |
| Vk | 1287 | — | — |
| Watchitoo | 1247 | — | — |
| WazeGPS | 1248 | — | — |
| WebEx | 1110 | — | — |
| WeChat | 1246 | — | — |

Table 1-3 *Signature-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|------------------------|------|--------------|-----------|
| Wetransfer | 1326 | — | — |
| WhatsApp | 1178 | 443 and 5222 | — |
| WhatsApp Message Count | 1301 | 443 and 5222 | — |
| Windows Update | 1107 | — | — |
| WoW-Gaming | 1133 | — | — |
| Wuakitv | 1345 | — | — |
| xbox Call Of Duty | 1127 | — | — |
| Xbox One | 1334 | — | — |
| Yahoo Messenger | 40 | 5000–5001 | 5000–5010 |
| Yahoo Screen | 1329 | — | — |
| Yandex.disk | 1308 | — | — |
| Youku Video | 1165 | — | — |
| ZDF Mediathek | 1356 | — | — |

**Note**

Behavioral Upload/Download—Transactions that have download packet flow characteristics and do not match a more specific signature are classified to this protocol. This protocol applies to downloads both from the network side and from the subscriber side.

**Note**

Generic Non-Established TCP—IPv4 TCP flows that are not established properly (syn-ack is missing) are mapped to this protocol.

Table 1-4 lists the signature-based peer-to-peer protocols.

Table 1-4 *Signature-Based Peer-to-Peer Protocols*

| Protocol Name | ID | TCP Ports | UDP Ports |
|--------------------|------|-----------|-----------|
| Adobe Reader Cloud | 1250 | — | — |
| Amazon Cloud | 1209 | — | — |
| Android Market | 1202 | — | — |
| Angle Media | 1063 | — | — |
| AntsP2P | 113 | — | — |
| BBBroadcast | 1058 | — | — |
| BBC iPlayer | 1057 | — | — |
| BaiBao | 43 | — | — |
| Behavioral P2P | 2044 | — | — |
| BitTorrent | 24 | 6881–6889 | — |
| Carbonite | 1272 | — | — |

Table 1-4 Signature-Based Peer-to-Peer Protocols (continued)

| Protocol Name | ID | TCP Ports | UDP Ports |
|-------------------------------|------|-----------|-----------|
| Cubby | 1270 | — | — |
| Dijjer | 120 | — | — |
| DirectConnect | 19 | 411–413 | — |
| Dropbox | 1180 | | |
| Einy | 1102 | — | — |
| EmuleEncrypted | 105 | — | — |
| Entropy | 125 | — | — |
| Exosee | 121 | — | — |
| FastTrack KaZaA File Transfer | 14 | — | — |
| FastTrack KaZaA Networking | 13 | 1214 | — |
| Feidian | 1037 | — | — |
| Filetopia | 31 | — | — |
| Freenet | 107 | — | — |
| Furthur | 123 | — | — |
| Gnutella File Transfer | 12 | — | — |
| Gnutella Networking | 11 | 6346–6349 | — |
| Hotline | 20 | — | — |
| Hotspot Shield | 1269 | — | — |
| Joost | 1046 | — | — |
| Justcloud | 1265 | — | — |
| Kontiki | 124 | — | — |
| KuGoo | 1050 | — | — |
| LottoFile | 1095 | — | — |
| Manolito | 22 | — | — |
| MEGA | 1268 | — | — |
| Monkey3 | 1096 | — | — |
| Mute | 34 | — | — |
| NeoNet | 37 | — | — |
| NodeZilla | 35 | — | — |
| POCO | 51 | — | — |
| PPLive | 44 | — | — |
| PPStream | 49 | — | — |
| PacketiX | 1059 | — | — |
| Pando | 1049 | — | — |
| Pandora | 1138 | — | — |
| Pandora Audio | 1137 | — | — |

Table 1-4 *Signature-Based Peer-to-Peer Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------|------|--|--|
| PeerEnabler | 122 | — | — |
| QQ-Live | 2032 | — | — |
| Rodi | 111 | — | — |
| Share | 27 | — | — |
| SkeedReceiver | 1109 | — | — |
| SopCast | 1064 | — | — |
| Soulseek | 29 | — | — |
| TVAnts | 109 | — | — |
| Thunder | 50 | — | — |
| Utagoe UGLive2 | 1108 | — | — |
| Warez/FileCroc | 39 | — | — |
| Waste | 36 | — | — |
| WebThunder | 1055 | — | — |
| WinMX/OpenNap | 16 | 6257, 6699 | 6257 |
| Winny | 17 | 7742–7745, 7773 | — |
| Zattoo | 1047 | — | — |
| eDonkey | 18 | 4661–4665, 4672–4673, 4711, 5662, 5773, 5783 | 4661–4665, 4672–4673, 4711, 5662, 5773, 5783 |
| guruguru | 66 | — | — |
| kuro | 67 | — | — |
| soribada | 69 | — | — |
| v-share | 71 | — | — |

Table 1-5 lists the signature-based VoIP protocols.

Table 1-5 *Signature-Based VoIP Protocols*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------------|------|-----------|-----------|
| Alicall | 1169 | — | — |
| Behavioral VoIP | 1062 | — | — |
| Comm | 1280 | — | — |
| DAUM | 1150 | — | — |
| Dial070 - Smartphone Voice | 1118 | — | — |
| Eyebeam | 1322 | — | — |
| Facebook voip | 1306 | — | — |
| Fring VoIP | 1053 | — | — |
| Google Call Phone | 1164 | — | — |

Table 1-5 *Signature-Based VoIP Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| Google Talk Voice | 2073 | — | — |
| Google Voice | 1099 | — | — |
| Headcall | 1142 | — | — |
| H323 | 28 | 1720 | — |
| Hyves | 1200 | — | — |
| Icq Voice | 1282 | — | — |
| iFone Platinum | 1305 | — | — |
| ICQ VoIP | 110 | — | — |
| JaJah YahooPhoneOut | 1126 | — | — |
| JustVoIP | 1167 | — | — |
| Kakao Talk | 1226 | — | — |
| Line Voice | 1213 | — | — |
| MailruVoiceVideo | 1292 | — | — |
| MGCP | 38 | — | 2427, 2727 |
| MSN Messenger VoIP | 1054 | — | — |
| Mumble | 1208 | — | — |
| MyPeople Voice Call | 1170 | — | — |
| NateOn | 1077 | — | — |
| NateonTalk | 1234 | — | — |
| Net2phone | 1135 | — | — |
| Nimbuzz | 1191 | — | — |
| NymGo | 1294 | — | — |
| ooVoo Voice | 1115 | — | — |
| PTT Winphoria | 61 | — | — |
| Primus | 108 | — | — |
| Qik | 1274 | — | — |
| RTP | 57 | — | — |
| SIP | 23 | 5060–5061 | 5060–5061 |
| Skinny | 41 | — | — |
| Skype | 25 | — | — |
| Skype-IM (V5.8) | 1199 | — | — |
| Tango IM | 1278 | — | — |
| UUCall | 1134 | — | — |
| Viber over HTTP | 1359 | 7985, 7987 | — |
| Viber over TCP | 1147 | — | — |
| Viber over UDP | 1148 | — | — |

Table 1-5 *Signature-Based VoIP Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------------|------|-----------|-----------|
| Viber SSL | 1332 | — | — |
| Vivox | 1061 | — | — |
| Yahoo Messenger Call Setup | 1149 | — | — |
| Yahoo Messenger VoIP | 45 | — | — |
| Yahoo VoIP over SIP | 2039 | — | — |

**Note**

The protocols ICQ VoIP, Primus, SIP, and Yahoo VoIP over SIP are also signature-based SIP protocols.

IP Protocols

Table 1-6 lists the IP protocols supported by Cisco SCA BB.

Table 1-6 *IP Protocols*

| IP Protocol Number | Protocol Name | Protocol ID |
|--------------------|---------------|-------------|
| 0 | HOPOPT | 756 |
| 1 | ICMP | 757 |
| 2 | IGMP | 758 |
| 3 | GGP | 759 |
| 4 | IP | 760 |
| 5 | ST | 761 |
| 6 | Generic TCP | 0 |
| 7 | CBT | 762 |
| 8 | EGP | 763 |
| 9 | IGP | 764 |
| 10 | BBN-RCC-MON | 765 |
| 11 | NVP-II | 766 |
| 12 | PUP | 767 |
| 13 | ARGUS | 768 |
| 14 | EMCON | 769 |
| 15 | XNET | 770 |
| 16 | CHAOS | 771 |
| 17 | Generic UDP | 1 |
| 18 | MUX | 772 |
| 19 | DCN-MEAS | 773 |
| 20 | HMP | 774 |

Table 1-6 *IP Protocols (continued)*

| IP Protocol Number | Protocol Name | Protocol ID |
|---------------------------|----------------------|--------------------|
| 21 | PRM | 775 |
| 22 | XNS-IDP | 776 |
| 23 | TRUNK-1 | 777 |
| 24 | TRUNK-2 | 778 |
| 25 | LEAF-1 | 779 |
| 26 | LEAF-2 | 780 |
| 27 | RDP | 781 |
| 28 | IRTP | 782 |
| 29 | ISO-TP4 | 783 |
| 30 | NETBLT | 784 |
| 31 | MFE-NSP | 785 |
| 32 | MERIT-INP | 786 |
| 33 | SEP | 787 |
| 34 | 3PC | 788 |
| 35 | IDPR | 789 |
| 36 | XTP | 790 |
| 37 | DDP | 791 |
| 38 | IDPR-CMTP | 792 |
| 39 | TP++ | 793 |
| 40 | IL | 794 |
| 41 | IPv6-Over-IPv4 | 795 |
| 42 | SDRP | 796 |
| 43 | IPv6-Route | 797 |
| 44 | IPv6-Frag | 798 |
| 45 | IDRP | 799 |
| 46 | RSVP | 800 |
| 47 | GRE | 801 |
| 48 | MHRP | 802 |
| 49 | BNA | 803 |
| 50 | ESP | 804 |
| 51 | AH | 805 |
| 52 | I-NLSP | 806 |
| 53 | SWIPE | 807 |
| 54 | NARP | 808 |
| 55 | MOBILE | 809 |
| 56 | TLSP | 810 |

Table 1-6 *IP Protocols (continued)*

| IP Protocol Number | Protocol Name | Protocol ID |
|---------------------------|-----------------------------|--------------------|
| 57 | SKIP | 811 |
| 58 | IPv6-ICMP | 812 |
| 59 | IPv6-NoNxt | 813 |
| 60 | IPv6-Opts | 814 |
| 61 | any host internal protocol | 815 |
| 62 | CFTP | 816 |
| 63 | any local network | 817 |
| 64 | SAT-EXPAK | 818 |
| 65 | KRYPTOLAN | 819 |
| 66 | RVD | 820 |
| 67 | IPPC | 821 |
| 68 | any distributed file system | 822 |
| 69 | SAT-MON | 823 |
| 70 | VISA | 824 |
| 71 | IPCV | 825 |
| 72 | CPNX | 826 |
| 73 | CPHB | 827 |
| 74 | WSN | 828 |
| 75 | PVP | 829 |
| 76 | BR-SAT-MON | 830 |
| 77 | SUN-ND | 831 |
| 78 | WB-MON | 832 |
| 79 | WB-EXPAK | 833 |
| 80 | ISO-IP | 834 |
| 81 | VMTP | 835 |
| 82 | SECURE-VMTP | 836 |
| 83 | VINES | 837 |
| 84 | TTP | 838 |
| 85 | NSFNET-IGP | 839 |
| 86 | DGP | 840 |
| 87 | TCF | 841 |
| 88 | EIGRP | 842 |
| 89 | OSPFGRP | 843 |
| 90 | Sprite-RPC | 844 |
| 91 | LARP | 845 |
| 92 | MTP | 846 |

Table 1-6 *IP Protocols (continued)*

| IP Protocol Number | Protocol Name | Protocol ID |
|---------------------------|-------------------------------|--------------------|
| 93 | AX.25 | 847 |
| 94 | IPIP | 848 |
| 95 | MICP | 849 |
| 96 | SCC-SP | 850 |
| 97 | ETHERIP | 851 |
| 98 | ENCAP | 852 |
| 99 | any private encryption scheme | 853 |
| 100 | GMTP | 854 |
| 101 | IFMP | 855 |
| 102 | PNNI | 856 |
| 103 | PIM | 857 |
| 104 | ARIS | 858 |
| 105 | SCPS | 859 |
| 106 | QNX | 860 |
| 107 | A/N | 861 |
| 108 | IPComp | 862 |
| 109 | SNP | 863 |
| 110 | Compaq-Peer | 864 |
| 111 | IPX-in-IP | 865 |
| 112 | VRRP | 866 |
| 113 | PGM | 867 |
| 114 | any 0-hop protocol | 868 |
| 115 | L2TP | 869 |
| 116 | DDX | 870 |
| 117 | IATP | 871 |
| 118 | STP | 872 |
| 119 | SRP | 873 |
| 120 | UTI | 874 |
| 121 | SMP | 875 |
| 122 | SM | 876 |
| 123 | PTP | 877 |
| 124 | ISIS | 878 |
| 125 | FIRE | 879 |
| 126 | CRTP | 880 |

Port-Based Protocols

Table 1-7 lists the TCP/UDP port-based protocols defined in the Cisco SCA BB default service configuration.

Table 1-7 Port-Based Protocols

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------------|-----|-----------|-----------|
| FTP | 4 | 21 | — |
| Gnutella Networking | 11 | 6346–6349 | — |
| FastTrack KaZaA Networking | 13 | 1214 | — |
| Bittorrent | 24 | 6881–6889 | — |
| NTP | 54 | 123 | 123 |
| epmap | 128 | 135 | 135 |
| profile | 129 | 136 | 136 |
| netbios-ns | 130 | 137 | 137 |
| netbios-dgm | 131 | 138 | 138 |
| netbios-ssn | 132 | 139 | 139 |
| emfis-data | 133 | 140 | 140 |
| emfis-cntl | 134 | 141 | 141 |
| bl-idm | 135 | 142 | 142 |
| uma | 137 | 144 | 144 |
| uaac | 138 | 145 | 145 |
| iso-tp0 | 139 | 146 | 146 |
| iso-ip | 140 | 147 | 147 |
| jargon | 141 | 148 | 148 |
| aed-512 | 142 | 149 | 149 |
| sql-net | 143 | 150 | 150 |
| hems | 144 | 151 | 151 |
| bftp | 145 | 152 | 152 |
| sgmp | 146 | 153 | 153 |
| netsc-prod | 147 | 154 | 154 |
| netsc-dev | 148 | 155 | 155 |
| sqlsrv | 149 | 156 | 156 |
| knet-cmp | 150 | 157 | 157 |
| nss-routing | 152 | 159 | 159 |
| sgmp-traps | 153 | 160 | 160 |
| snmp | 154 | 161 | 161 |
| snmptrap | 155 | 162 | 162 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| cmip-man | 156 | 163 | 163 |
| cmip-agent | 157 | 164 | 164 |
| xns-courier | 158 | 165 | 165 |
| s-net | 159 | 166 | 166 |
| namp | 160 | 167 | 167 |
| rsvd | 161 | 168 | 168 |
| send | 162 | 169 | 169 |
| print-srv | 163 | 170 | 170 |
| multiplex | 164 | 171 | 171 |
| cl/1 | 165 | 172 | 172 |
| xyplex-mux | 166 | 173 | 173 |
| mailq | 167 | 174 | 174 |
| vmnet | 168 | 175 | 175 |
| genrad-mux | 169 | 176 | 176 |
| xdmcp | 170 | 177 | 177 |
| nextstep | 171 | 178 | 178 |
| bgp | 172 | 179 | 179 |
| ris | 173 | 180 | 180 |
| unify | 174 | 181 | 181 |
| audit | 175 | 182 | 182 |
| ocserver | 177 | 184 | 184 |
| remote-kis | 178 | 185 | 185 |
| kis | 179 | 186 | 186 |
| aci | 180 | 187 | 187 |
| mumps | 181 | 188 | 188 |
| qft | 182 | 189 | 189 |
| gacp | 183 | 190 | 190 |
| prospero | 184 | 191 | 191 |
| osu-nms | 185 | 192 | 192 |
| srmcp | 186 | 193 | 193 |
| IRC | 187 | 194, 6665-6669 | 194, 6665-6669 |
| dn6-nlm-aud | 188 | 195 | 195 |
| dn6-smm-red | 189 | 196 | 196 |
| dls | 190 | 197 | 197 |
| dls-mon | 191 | 198 | 198 |
| smux | 192 | 199 | 199 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| src | 193 | 200 | 200 |
| at-rtmp | 194 | 201 | 201 |
| at-nbp | 195 | 202 | 202 |
| at-3 | 196 | 203 | 203 |
| at-echo | 197 | 204 | 204 |
| at-5 | 198 | 205 | 205 |
| at-zis | 199 | 206 | 206 |
| at-7 | 200 | 207 | 207 |
| at-8 | 201 | 208 | 208 |
| qmtip | 202 | 209 | 209 |
| z39.50 | 203 | 210 | 210 |
| 914c/g | 204 | 211 | 211 |
| anet | 205 | 212 | 212 |
| ipx | 206 | 213 | 213 |
| vmpwscs | 207 | 214 | 214 |
| softpc | 208 | 215 | 215 |
| CALlic | 209 | 216 | 216 |
| dbase | 210 | 217 | 217 |
| mpp | 211 | 218 | 218 |
| uarps | 212 | 219 | 219 |
| imap3 | 213 | 220 | 220 |
| fln-spx | 214 | 221 | 221 |
| rsh-spx | 215 | 222 | 222 |
| cdc | 216 | 223 | 223 |
| masqdiabler | 217 | 224 | 224 |
| direct | 218 | 242 | 242 |
| sur-meas | 219 | 243 | 243 |
| inbusiness | 220 | 244 | 244 |
| link | 221 | 245 | 245 |
| dsp3270 | 222 | 246 | 246 |
| bhfhs | 224 | 248 | 248 |
| set | 225 | 257 | 257 |
| yak-chat | 226 | 258 | 258 |
| esro-gen | 227 | 259 | 259 |
| openport | 228 | 260 | 260 |
| nsiiops | 229 | 261 | 261 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| arcisdms | 230 | 262 | 262 |
| hdap | 231 | 263 | 263 |
| bgmp | 232 | 264 | 264 |
| x-bone-ctl | 233 | 265 | 265 |
| sst | 234 | 266 | 266 |
| td-service | 235 | 267 | 267 |
| td-replica | 236 | 268 | 268 |
| http-mgmt | 237 | 280 | 280 |
| personal-link | 238 | 281 | 281 |
| cableport-ax | 239 | 282 | 282 |
| rescap | 240 | 283 | 283 |
| corerjd | 241 | 284 | 284 |
| fxp-1 | 242 | 286 | 286 |
| k-block | 243 | 287 | 287 |
| novastorbakcup | 244 | 308 | 308 |
| entrusttime | 245 | 309 | 309 |
| bhmds | 246 | 310 | 310 |
| asip-webadmin | 247 | 311 | 311 |
| vslmp | 248 | 312 | 312 |
| magenta-logic | 249 | 313 | 313 |
| opalis-robot | 250 | 314 | 314 |
| dpsi | 251 | 315 | 315 |
| decauth | 252 | 316 | 316 |
| zannet | 253 | 317 | 317 |
| pkix-timestamp | 254 | 318 | 318 |
| ptp-event | 255 | 319 | 319 |
| ptp-general | 256 | 320 | 320 |
| pip | 257 | 321 | 321 |
| rtsp | 258 | 322 | 322 |
| texar | 259 | 333 | 333 |
| pdap | 260 | 344 | 344 |
| pawserv | 261 | 345 | 345 |
| zserv | 262 | 346 | 346 |
| fatserv | 263 | 347 | 347 |
| csi-sgwp | 264 | 348 | 348 |
| mftp | 265 | 349 | 349 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| matip-type-a | 266 | 350 | 350 |
| matip-type-b | 267 | 351 | 351 |
| dtag-ste-sb | 268 | 352 | 352 |
| ndsauth | 269 | 353 | 353 |
| bh611 | 270 | 354 | 354 |
| datex-asn | 271 | 355 | 355 |
| cloanto-net-1 | 272 | 356 | 356 |
| bhevent | 273 | 357 | 357 |
| shrinkwrap | 274 | 358 | 358 |
| nsrmp | 275 | 359 | 359 |
| scoi2odialog | 276 | 360 | 360 |
| semantix | 277 | 361 | 361 |
| srsend | 278 | 362 | 362 |
| rsvp_tunnel | 279 | 363 | 363 |
| aurora-cmgr | 280 | 364 | 364 |
| dtk | 281 | 365 | 365 |
| odmr | 282 | 366 | 366 |
| mortgageware | 283 | 367 | 367 |
| qbikgdp | 284 | 368 | 368 |
| rpc2portmap | 285 | 369 | 369 |
| codauth2 | 286 | 370 | 370 |
| clearcase | 287 | 371 | 371 |
| ulistproc | 288 | 372 | 372 |
| legent-1 | 289 | 373 | 373 |
| legent-2 | 290 | 374 | 374 |
| hassle | 291 | 375 | 375 |
| nip | 292 | 376 | 376 |
| tnETOS | 293 | 377 | 377 |
| dsETOS | 294 | 378 | 378 |
| is99c | 295 | 379 | 379 |
| is99s | 296 | 380 | 380 |
| hp-collector | 297 | 381 | 381 |
| hp-managed-node | 298 | 382 | 382 |
| hp-alarm-mgr | 299 | 383 | 383 |
| arns | 300 | 384 | 384 |
| ibm-app | 301 | 385 | 385 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| asa | 302 | 386 | 386 |
| aurp | 303 | 387 | 387 |
| unidata-ldm | 304 | 388 | 388 |
| ldap | 305 | — | 389 |
| uis | 306 | 390 | 390 |
| synotics-relay | 307 | 391 | 391 |
| synotics-broker | 308 | 392 | 392 |
| meta5 | 309 | 393 | 393 |
| embl-ndt | 310 | 394 | 394 |
| netware-ip | 311 | 396 | 396 |
| mptn | 312 | 397 | 397 |
| kryptolan | 313 | 398 | 398 |
| iso-tsap-c2 | 314 | 399 | 399 |
| work-sol | 315 | 400 | 400 |
| ups | 316 | 401 | 401 |
| genie | 317 | 402 | 402 |
| decap | 318 | 403 | 403 |
| nced | 319 | 404 | 404 |
| ncld | 320 | 405 | 405 |
| imsp | 321 | 406 | 406 |
| timbuktu | 322 | 407 | 407 |
| prm-sm | 323 | 408 | 408 |
| prm-nm | 324 | 409 | 409 |
| decladebug | 325 | 410 | 410 |
| rmt | 326 | — | 411 |
| synoptics-trap | 327 | — | 412 |
| smsp | 328 | — | 413 |
| infoseek | 329 | 414 | 414 |
| bnet | 330 | 415 | 415 |
| silverplatter | 331 | 416 | 416 |
| onmux | 332 | 417 | 417 |
| hyper-g | 333 | 418 | 418 |
| ariel1 | 334 | 419 | 419 |
| smpte | 335 | 420 | 420 |
| ariel2 | 336 | 421 | 421 |
| ariel3 | 337 | 422 | 422 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| opc-job-start | 338 | 423 | 423 |
| opc-job-track | 339 | 424 | 424 |
| icad-el | 340 | 425 | 425 |
| smartsdp | 341 | 426 | 426 |
| svrloc | 342 | 427 | 427 |
| ocs_cm | 343 | 428 | 428 |
| ocs_amu | 344 | 429 | 429 |
| utmpsd | 345 | 430 | 430 |
| utmpcd | 346 | 431 | 431 |
| iasd | 347 | 432 | 432 |
| nns | 348 | 433 | 433 |
| mobileip-agent | 349 | 434 | 434 |
| mobileip-mn | 350 | 435 | 435 |
| dna-cml | 351 | 436 | 436 |
| comscm | 352 | 437 | 437 |
| dsfgw | 353 | 438 | 438 |
| dasp | 354 | 439 | 439 |
| sgcp | 355 | 440 | 440 |
| decvms-sysmgt | 356 | 441 | 441 |
| cvc_hostd | 357 | 442 | 442 |
| https | 358 | 443 | — |
| snpp | 359 | 444 | 444 |
| microsoft-ds | 360 | 445 | 445 |
| ddm-rdb | 361 | 446 | 446 |
| ddm-dfm | 362 | 447 | 447 |
| ddm-ssl | 363 | 448 | 448 |
| as-servermap | 364 | 449 | 449 |
| tserver | 365 | 450 | 450 |
| sfs-smp-net | 366 | 451 | 451 |
| sfs-config | 367 | 452 | 452 |
| creativeserver | 368 | 453 | 453 |
| contentserver | 369 | 454 | 454 |
| creativepartnr | 370 | 455 | 455 |
| scohelp | 371 | 457 | 457 |
| appleqt | 372 | 458 | 458 |
| ampr-rcmd | 373 | 459 | 459 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| skronk | 374 | 460 | 460 |
| datasurfsrv | 375 | 461 | 461 |
| datasurfsrvsec | 376 | 462 | 462 |
| alpes | 377 | 463 | 463 |
| kpasswd | 378 | 464 | 464 |
| url-rendezvous | 379 | 465 | 465 |
| digital-vrc | 380 | 466 | 466 |
| mylex-mapd | 381 | 467 | 467 |
| photuris | 382 | 468 | 468 |
| rcp | 383 | 469 | 469 |
| scx-proxy | 384 | 470 | 470 |
| mondex | 385 | 471 | 471 |
| ljk-login | 386 | 472 | 472 |
| hybrid-pop | 387 | 473 | 473 |
| tn-tl-w1 | 388 | 474 | |
| tn-tl-w2 | 389 | — | 474 |
| tn-tl-fd1 | 390 | 476 | 476 |
| ss7ns | 391 | 477 | 477 |
| spsc | 392 | 478 | 478 |
| iafserver | 393 | 479 | 479 |
| iafdbase | 394 | 480 | 480 |
| ph | 395 | 481 | 481 |
| bgs-nsi | 396 | 482 | 482 |
| ulpnet | 397 | 483 | 483 |
| integra-sme | 398 | 484 | 484 |
| powerburst | 399 | 485 | 485 |
| avian | 400 | 486 | 486 |
| saft | 401 | 487 | 487 |
| gss-http | 402 | 488 | 488 |
| nest-protocol | 403 | 489 | 489 |
| micom-pfs | 404 | 490 | 490 |
| go-login | 405 | 491 | 491 |
| ticf-1 | 406 | 492 | 492 |
| ticf-2 | 407 | 493 | 493 |
| pov-ray | 408 | 494 | 494 |
| intecourier | 409 | 495 | 495 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| pim-rp-disc | 410 | 496 | 496 |
| dantz | 411 | 497 | 497 |
| siam | 412 | 498 | 498 |
| iso-ill | 413 | 499 | 499 |
| isakmp | 414 | 500, 4500 | 500, 4500 |
| stmf | 415 | 501 | 501 |
| asa-appl-proto | 416 | 502 | 502 |
| intrinsic | 417 | 503 | 503 |
| citadel | 418 | 504 | 504 |
| mailbox-lm | 419 | 505 | 505 |
| ohimsrv | 420 | 506 | 506 |
| crs | 421 | 507 | 507 |
| xvttp | 422 | 508 | 508 |
| snare | 423 | 509 | 509 |
| fcp | 424 | 510 | 510 |
| passgo | 425 | 511 | 511 |
| exec | 426 | 512 | — |
| biff | 427 | — | 512 |
| login | 428 | 513 | — |
| who | 429 | — | 513 |
| shell | 430 | 514 | — |
| syslog | 431 | — | 514 |
| printer | 432 | 515 | 515 |
| videotex | 433 | 516 | 516 |
| talk | 434 | 517 | 517 |
| ntalk | 435 | 518 | 518 |
| utime | 436 | 519 | 519 |
| efs | 437 | 520 | — |
| router | 438 | — | 520 |
| ripng | 439 | 521 | 521 |
| ulp | 440 | 522 | 522 |
| ibm-db2 | 441 | 523 | 523 |
| ncp | 442 | 524 | 524 |
| timed | 443 | 525 | 525 |
| tempo | 444 | 526 | 526 |
| stx | 445 | 527 | 527 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| custix | 446 | 528 | 528 |
| irc-serv | 447 | 529 | 529 |
| courier | 448 | 530 | 530 |
| conference | 449 | 531 | 531 |
| netnews | 450 | 432 | 432 |
| netwall | 451 | 533 | 533 |
| mm-admin | 452 | 534 | 534 |
| iiop | 453 | 535 | 535 |
| opalis-rdv | 454 | 536 | 536 |
| nmsp | 455 | 537 | 537 |
| gdomap | 456 | 538 | 538 |
| apertus-ldp | 457 | 539 | 539 |
| uucp | 458 | 540 | 540 |
| uucp-rlogin | 459 | 541 | 541 |
| commerce | 460 | 542 | 542 |
| klogin | 461 | 543 | 543 |
| kshell | 462 | 544 | 544 |
| appleqtcsrvr | 463 | 545 | 545 |
| dhcpv6-client | 464 | 546 | 546 |
| dhcpv6-server | 465 | 547 | 547 |
| idfp | 466 | 549 | 549 |
| new-rwho | 467 | 550 | 550 |
| cybercash | 468 | 551 | 551 |
| deviceshare | 469 | 552 | 552 |
| pirp | 470 | 553 | 553 |
| remotefs | 471 | 556 | 556 |
| openvms-sysipc | 472 | 557 | 557 |
| sdnskmp | 473 | 558 | 558 |
| teedtap | 474 | 559 | 559 |
| rmonitor | 475 | 560 | 560 |
| monitor | 476 | 561 | 561 |
| chshell | 477 | 562 | 562 |
| nntps | 478 | 563 | 563 |
| 9pfs | 479 | 564 | 564 |
| whoami | 480 | 565 | 565 |
| streettalk | 481 | 566 | 566 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| banyan-rpc | 482 | 567 | 567 |
| ms-shuttle | 483 | 568 | 568 |
| ms-rome | 484 | 569 | 569 |
| meter | 485 | 570–571 | 570–571 |
| sonar | 486 | 572 | 572 |
| banyan-vip | 487 | 573 | 573 |
| ftp-agent | 488 | 574 | 574 |
| vemmi | 489 | 575 | 575 |
| vnas | 491 | 577 | 577 |
| ipdd | 492 | 578 | 578 |
| decbsrv | 493 | 579 | 579 |
| sntp-heartbeat | 494 | 580 | 580 |
| bdp | 495 | 581 | 581 |
| scc-security | 496 | 582 | 582 |
| philips-vc | 497 | 583 | 583 |
| keyserver | 498 | 584 | 584 |
| imap4-ssl | 499 | 585 | 585 |
| password-chg | 500 | 586 | 586 |
| submission | 501 | 587 | 587 |
| cal | 502 | 588 | 588 |
| eyelink | 503 | 589 | 589 |
| tns-cml | 504 | 590 | 590 |
| http-alt | 505 | 591 | 591 |
| eudora-set | 506 | 592 | 592 |
| http-rpc-epmap | 507 | 593 | 593 |
| tpip | 508 | 594 | 594 |
| cab-protocol | 509 | 595 | 595 |
| smsd | 510 | 596 | 596 |
| ptcnameservice | 511 | 597 | 597 |
| sco-websrvrmg3 | 512 | 598 | 598 |
| acp | 513 | 599 | 599 |
| ipcserver | 514 | 600 | 600 |
| urm | 515 | 606 | 606 |
| nqs | 516 | 607 | 607 |
| sift-uft | 517 | 608 | 608 |
| npmp-trap | 518 | 609 | 609 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| npmp-local | 519 | 610 | 610 |
| npmp-gui | 520 | 611 | 611 |
| hmmp-ind | 521 | 612 | 612 |
| hmmp-op | 522 | 613 | 613 |
| sshell | 523 | 614 | 614 |
| sco-inetmgr | 524 | 615 | 615 |
| sco-sysmgr | 525 | 616 | 616 |
| sco-dtmgr | 526 | 617 | 617 |
| dei-icda | 527 | 618 | 618 |
| digital-evm | 528 | 619 | 619 |
| sco-websrvrmgr | 529 | 620 | 620 |
| escp-ip | 530 | 621 | 621 |
| collaborator | 531 | 622 | 622 |
| aux_bus_shunt | 532 | 623 | 623 |
| cryptoadmin | 533 | 624 | 624 |
| dec_dlm | 534 | 625 | 625 |
| asia | 535 | 626 | 626 |
| passgo-tivoli | 536 | 627 | 627 |
| qmqp | 537 | 628 | 628 |
| 3com-amp3 | 538 | 629 | 629 |
| rda | 539 | 630 | 630 |
| ipp | 540 | 631 | 631 |
| bmpp | 541 | 632 | 632 |
| servstat | 542 | 633 | 633 |
| ginad | 543 | 634 | 634 |
| rlzdbase | 544 | 635 | 635 |
| ldaps | 545 | 636 | 636 |
| lanserver | 546 | 637 | 637 |
| mcns-sec | 547 | 638 | 638 |
| msdp | 548 | 639 | 639 |
| entrust-sps | 549 | 640 | 640 |
| repcmd | 550 | 641 | 641 |
| esro-emsdp | 551 | 642 | 642 |
| sanity | 552 | 643 | 643 |
| dwr | 553 | 644 | 644 |
| pssc | 554 | 645 | 645 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| ldp | 555 | 646 | 646 |
| dhcp-failover | 556 | 647 | 647 |
| rrp | 557 | 648 | 648 |
| aminet | 558 | 649 | 659 |
| obex | 559 | 650 | 650 |
| ieee-mms | 560 | 651 | 651 |
| hello-port | 561 | 652 | 652 |
| repscmd | 562 | 653 | 653 |
| aodv | 563 | 654 | 654 |
| tinc | 564 | 655 | 655 |
| spmp | 565 | 656 | 656 |
| rmc | 566 | 657 | 657 |
| tenfold | 567 | 658 | 658 |
| mac-srvr-admin | 568 | 660 | 660 |
| hap | 569 | 661 | 661 |
| pftp | 570 | 662 | 662 |
| purenoise | 571 | 663 | 663 |
| secure-aux-bus | 572 | 664 | 664 |
| sun-dr | 573 | 665 | 665 |
| doom | 574 | 666 | 666 |
| disclose | 575 | 667 | 667 |
| mecomm | 576 | 668 | 668 |
| mereregister | 577 | 669 | 669 |
| vacdsm-sws | 578 | 670 | 670 |
| vacdsm-app | 579 | 671 | 671 |
| vpps-qua | 580 | 672 | 672 |
| cimplex | 581 | 673 | 673 |
| acap | 582 | 674 | 674 |
| dctp | 583 | 675 | 675 |
| vpps-via | 584 | 676 | 676 |
| vpp | 585 | 677 | 677 |
| ggf-ncp | 586 | 678 | 678 |
| mrn | 587 | 679 | 679 |
| entrust-aaas | 588 | 680 | 680 |
| entrust-aams | 589 | 681 | 681 |
| xfr | 590 | 682 | 682 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| corba-iiop | 591 | 683 | 683 |
| corba-iiop-ssl | 592 | 684 | 684 |
| mdc-portmapper | 593 | 685 | 685 |
| hcp-wismar | 594 | 686 | 686 |
| asipregistry | 595 | 687 | 687 |
| realm-rusd | 596 | 688 | 688 |
| nmap | 597 | 689 | 689 |
| vatp | 598 | 690 | 690 |
| msexch-routing | 599 | 691 | 691 |
| hyperwave-isp | 600 | 692 | 692 |
| connendp | 601 | 693 | 693 |
| ha-cluster | 602 | 694 | 694 |
| ieee-mms-ssl | 603 | 695 | 695 |
| rushd | 604 | 696 | 696 |
| uuidgen | 605 | 697 | 697 |
| olsr | 606 | 698 | 698 |
| accessnetwork | 607 | 699 | 699 |
| elcsd | 608 | 704 | 704 |
| agentx | 609 | 705 | 705 |
| silc | 610 | 706 | 706 |
| borland-dsj | 611 | 707 | 707 |
| entrust-kmsh | 612 | 709 | 709 |
| entrust-ash | 613 | 710 | 710 |
| cisco-tdp | 614 | 711 | 711 |
| netviewdm1 | 615 | 729 | 729 |
| netviewdm2 | 616 | 730 | 730 |
| netviewdm3 | 617 | 731 | 731 |
| netgw | 618 | 741 | 741 |
| netrcs619 | 619 | 742 | 742 |
| flexlm | 620 | 744 | 744 |
| fujitsu-dev | 621 | 747 | 747 |
| ris-cm | 622 | 748 | 748 |
| kerberos-adm | 623 | 749 | 749 |
| rfile | 624 | 750 | — |
| kerberos-iv | 625 | — | 750 |
| pump | 626 | 751 | 751 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| qrh | 627 | 752 | 752 |
| rrh | 628 | 753 | 753 |
| tell | 629 | 754 | 754 |
| nlogin | 630 | 758 | 758 |
| con | 631 | 759 | 759 |
| ns | 632 | 760 | 760 |
| rxex | 633 | 761 | 761 |
| quotad | 634 | 762 | 762 |
| cycleserv | 635 | 763 | 763 |
| omserv | 636 | 764 | 764 |
| webster | 637 | 765 | 765 |
| phonebook | 638 | 767 | 767 |
| vid | 639 | 769 | 769 |
| cadlock | 640 | 770 | 770 |
| rtp | 641 | 771 | 771 |
| cycleserv2 | 642 | 772 | 772 |
| submit | 643 | 773 | — |
| notify | 644 | — | 773 |
| rpasswd | 645 | 774 | — |
| acmaint_dbd | 646 | — | 774 |
| entomb | 647 | 775 | — |
| acmaint_transd | 648 | — | 775 |
| wpages | 649 | 776 | 776 |
| multiling-http | 650 | 777 | 777 |
| wpgs | 651 | 780 | 780 |
| concert | 652 | 786 | 786 |
| qsc | 653 | — | 787 |
| mdbs_daemon | 654 | 800 | 800 |
| device | 655 | 801 | 801 |
| itm-mcell-s | 656 | 828 | 828 |
| pkix-3-ca-ra | 657 | 829 | 829 |
| dhcp-failover2 | 658 | 847 | 847 |
| rsync | 659 | 873 | 873 |
| iclnet-locate | 660 | 886 | 886 |
| iclnet_svinfos | 661 | 887 | 887 |
| accessbuilder | 662 | 888 | 888 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|----------------------|----------------------|
| omginitialrefs | 663 | 900 | 900 |
| smpnameres | 664 | 901 | 901 |
| ideafarm-chat | 665 | 902 | 902 |
| ideafarm-catch | 666 | 903 | 903 |
| xact-backup | 667 | 911 | 911 |
| ftps-data | 668 | 989 | 989 |
| ftps | 669 | 990 | 990 |
| nas | 670 | 991 | 991 |
| telnets | 671 | 992 | 992 |
| imaps | 672 | 993 | 993 |
| ircs | 673 | 994 | 994 |
| pop3s | 674 | 995 | 995 |
| vsinet | 675 | 996 | 996 |
| maird | 676 | 997 | 997 |
| busboy | 677 | 998 | — |
| puparp | 678 | — | 998 |
| garcon | 679 | 999 | — |
| applix | 680 | — | 999 |
| surf | 681 | 1010 | 1010 |
| rmiactivation | 682 | 1098 | 1098 |
| rmiregistry | 683 | 1099 | 1099 |
| ms-sql-s | 684 | 1433 | 1433 |
| oracle | 690 | 1521 | 1521 |
| orasrv | 691 | 1525 | 1525 |
| tlisrv | 692 | 1527 | 1527 |
| coauthor | 693 | 1529 | 1529 |
| rdb-dbs-disp | 694 | 1571 | 1571 |
| oraclenames | 695 | 1575 | 1575 |
| oraclenet8cman | 696 | 1630 | 1630 |
| net8-cman | 697 | 1830 | 1830 |
| ms-olap | 686 | 2382–2383, 2393–2394 | 2382–2383, 2393–2394 |
| msft-gc | 687 | 3268 | 3268 |
| msft-gc-ssl | 688 | 3269 | 3269 |
| citrixima | 698 | 2512 | 2512 |
| citrixadmin | 699 | 2513 | 2513 |
| citrix-rtmp | 700 | 2897 | 2897 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| citriximaclient | 701 | 2598 | 2598 |
| micromuse-lm | 702 | 1534 | 1534 |
| orbixd | 703 | 1570 | 1570 |
| orbix-locator | 704 | 3075 | 3075 |
| orbix-config | 705 | 3076 | 3076 |
| orbix-loc-ssl | 706 | 3077 | 3077 |
| shockwave | 707 | 1626 | 1626 |
| sitaraserver | 708 | 2629 | 2629 |
| sitaramgmt | 709 | 2630 | 2630 |
| sitaradir | 710 | 2631 | 2631 |
| mysql | 711 | 3306 | 3306 |
| msnp | 713 | 1836 | 1826 |
| aim | 714 | 5190–5193 | — |
| groove | 715 | 2492 | 2492 |
| directplay | 716 | 2234 | 2234 |
| directplay8 | 717 | 6073 | 6073 |
| kali | 718 | 2213 | 2213 |
| worldfusion | 719 | 2595–2596 | 2595–2596 |
| directv-web | 720 | 3334 | 3334 |
| directv-soft | 721 | 3335 | 3335 |
| directv-tick | 722 | 3336 | 3336 |
| directv-catlg | 723 | 3337 | 3337 |
| wta-wsp-s | 724 | 2805 | 2805 |
| wap-push | 725 | 2948 | 2948 |
| wap-pushsecure | 726 | 2949 | 2949 |
| wap-push-http | 727 | 4035 | 4035 |
| wap-push-https | 728 | 4036 | 4036 |
| game-spy | 755 | 6500, 28900 | 6515, 27900 |
| ibprotocol | 737 | 6714 | 6714 |
| wap-wsp | 729 | 9200 | 9200 |
| wap-wsp-wtp | 730 | 9201 | 9201 |
| wap-wsp-s | 731 | 9202 | 9202 |
| wap-wsp-wtp-s | 732 | 9203 | 9203 |
| wap-vcard | 733 | 9204 | 9204 |
| wap-vcal | 734 | 9205 | 9205 |
| wap-vcard-s | 735 | 9206 | 9206 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| wap-vcal-s | 736 | 9207 | 9207 |
| pptp | 739 | 1723 | 1723 |
| gtp-user | 740 | 2152 | 2152 |
| xntp | 741 | 3088 | 3088 |
| l2tp | 742 | 1701 | 1701 |
| fsgs | 743 | 6112 | 6112 |
| parsec-game | 744 | 6582 | 6582 |
| UnReal_UT | 745 | — | 7777-7783 |
| SiN | 746 | 22450 | 22450 |
| halflife | 747 | — | 27015 |
| tribes | 748 | 28001 | 28001 |
| Heretic II | 749 | 28910 | — |
| starsiege | 750 | — | 29001–29009 |
| game-search | 751 | 29001 | — |
| KingPin | 752 | 31510 | 31510 |
| runescape | 753 | 43594 | — |
| GLT Poliane | 882 | 1201 | — |
| MSN Messenger | 883 | 1863 | 1863 |
| xbox live | 898 | 3074 | 3074 |
| ps2 | 899 | 10070–10080 | 10070 |
| compressnet | 900 | 2–3 | 2–3 |
| rje | 901 | 5 | 5 |
| echo | 902 | 7 | 7 |
| discard | 903 | 9 | 9 |
| systat | 904 | 11 | 11 |
| daytime | 905 | 13 | 13 |
| qotd | 906 | 17 | 17 |
| misp | 907 | 18 | 18 |
| chargen | 908 | 19 | 19 |
| ftp-data | 909 | 20 | 20 |
| ssh | 910 | 22 | 22 |
| telnet | 911 | 23 | 23 |
| nsw-fe | 912 | 27 | 27 |
| msg-icp | 913 | 29 | 29 |
| msg-auth | 916 | 31 | 31 |
| dsp | 917 | 33 | 33 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| time | 918 | 37 | 37 |
| rap | 919 | 38 | 38 |
| rlp | 920 | 39 | 39 |
| graphics | 921 | 41 | 41 |
| name | 922 | 42 | 42 |
| nickname | 923 | 43 | 43 |
| mpm-flags | 924 | 44 | 44 |
| mpm | 925 | 45 | 45 |
| mpm-snd | 926 | 46 | 46 |
| ni-ftp | 927 | 47 | 47 |
| auditd | 928 | 48 | 48 |
| tacacs | 929 | 49 | 49 |
| re-mail-ck | 930 | 50 | 50 |
| la-maint | 931 | 51 | 51 |
| xns-time | 932 | 52 | 52 |
| xns-ch | 934 | 54 | 54 |
| isi-gl | 935 | 55 | 55 |
| xns-auth | 936 | 56 | 56 |
| xns-mail | 937 | 58 | 58 |
| ni-mail | 938 | 61 | 61 |
| acas | 939 | 62 | 62 |
| whois | 940 | 63 | 63 |
| covia | 941 | 64 | 64 |
| tacacs-ds | 942 | 65 | 65 |
| sql*net | 943 | 66 | 66 |
| bootps | 944 | 67 | 67 |
| bootpc | 945 | 68 | 68 |
| gopher | 947 | 70 | 70 |
| netrjs-1 | 948 | 71 | 71 |
| netrjs-2 | 949 | 72 | 72 |
| netrjs-3 | 950 | 73 | 73 |
| netrjs-4 | 951 | 74 | 74 |
| deos | 952 | 76 | 76 |
| finger | 953 | 79 | 79 |
| hosts2-ns | 954 | 81 | 81 |
| xfer | 955 | 82 | 82 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------|
| mit-ml-dev | 956 | 83, 85 | 83, 85 |
| ctf | 957 | 84 | 84 |
| mfcobol | 958 | 86 | 86 |
| kerberos | 959 | 88 | 88 |
| su-mit-tg | 960 | 89 | 89 |
| dnsix | 961 | 90 | 90 |
| mit-dov | 962 | 91 | 91 |
| npp | 963 | 92 | 92 |
| dcp | 964 | 93 | 93 |
| objcall | 965 | 94 | 94 |
| supdup | 966 | 95 | 95 |
| dixie | 967 | 96 | 96 |
| swift-rvf | 968 | 97 | 97 |
| tacnews | 969 | 98 | 98 |
| metagram | 970 | 99 | 99 |
| newacct | 971 | 100 | — |
| hostname | 972 | 101 | 101 |
| iso-tsap | 973 | 102 | 102 |
| gppitnp | 974 | 103 | 103 |
| acr-nema | 975 | 104 | 104 |
| csnet-ns | 976 | 105 | 105 |
| 3com-tsmux | 977 | 106 | 106 |
| rtelnet | 978 | 107 | 107 |
| snagas | 979 | 108 | 108 |
| pop2 | 980 | 109 | 109 |
| sunrpc | 981 | 111 | 111 |
| mcidas | 982 | 112 | 112 |
| auth | 983 | 113 | 113 |
| audionews | 984 | 114 | 114 |
| sftp | 985 | 115 | 115 |
| ansanotify | 986 | 116 | 116 |
| uucp-path | 987 | 117 | 117 |
| sqlserv | 988 | 118 | 118 |
| cfdpkt | 989 | 120 | 120 |
| erpc | 990 | 121 | 121 |
| smakynet | 991 | 122 | 122 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|--------------------------------|-----------|---|-----------------------|
| ansatrader | 993 | 124 | 124 |
| locus-map | 994 | 125 | 125 |
| nxedit | 995 | 126 | 126 |
| locus-con | 996 | 127 | 127 |
| gss-xlicen | 997 | 128 | 128 |
| pwdgen | 998 | 129 | 129 |
| cisco-fna | 999 | 130 | 130 |
| LapLink | 1105 | 1547 | — |
| SAP | 1106 | 3200,3300,3600 | — |
| cisco-tna | 2000 | 131 | 131 |
| cisco-sys | 2001 | 132 | 132 |
| statsrv | 2002 | 133 | 133 |
| ingres-net | 2003 | 134 | 134 |
| Anarchy | 2004 | 7013, 7500–7501 | 7013, 7500–7501 |
| Asherons Call | 2005 | 9000–9013 | 9000–9013 |
| Black And White | 2006 | 2611–2612 | — |
| Counter strike | 2007 | 27020–27039 | 1200, 27000–27018 |
| Dark Reign | 2008 | 26214 | 26214 |
| Diablo | 2009 | 6113–6119, 4000 | 6113–6119 |
| Elite Force | 2010 | — | 26000, 27500 |
| F16 | 2011 | — | 3862, 3863 |
| F22 Simulator (lightning 3) | 2012 | — | 3874–3875, 4533, 4534 |
| Hexen | 2013 | — | 26900 |
| Kohan Immortal Sovereigns | 2014 | 3855, 17437 | 3855, 17437 |
| Motorhead | 2015 | 16000, 16010–16030 | 16000, 16010–16030 |
| Myth | 2016 | 3453 | 3453 |
| Need For Speed | 2017 | 9442 | 9442 |
| Need For Speed 3 | 2018 | 1030 | 1030 |
| Operation Flash Point | 2019 | 47624 | — |
| Outlaws | 2020 | 5310 | 5310 |
| Swat3 | 2021 | 16639 | 16638 |
| Ultima | 2022 | 5002–5010, 7775–7777, 8888, 9999, 7875 | — |
| Warcraft | 2023 | 3724 | 3724 |
| Znes | 2024 | — | 7845 |

Table 1-7 *Port-Based Protocols (continued)*

| Protocol Name | ID | TCP Ports | UDP Ports |
|----------------------|-----------|------------------|------------------------|
| Delta Force | 2025 | 3100, 3999 | 3100, 3999, 3568, 3569 |
| Rainbox six | 2026 | 2346 | 2346 |
| Soldier of fortune | 2027 | — | 28911–28915 |
| Westwood Online | 2028 | 1140, 1234 | 1140, 1234 |
| Yahoo Games | 2029 | 11999 | — |
| Konspire2b | 2031 | 6085 | 6085 |

Protocols Identified on Unidirectional Flows

When unidirectional classification is enabled, the protocols listed in [Table 1-8](#) can be detected on unidirectional flows.

- When a unidirectional flow (inbound or outbound) passes through the SCE platform, it is matched against this set of protocol signatures.
- When a bidirectional flow passes through the SCE platform, the protocol library tries to match it to one of its standard (bidirectional) protocol signatures.

Table 1-8 Unidirectionally Detected Protocols

| Protocol Name | Protocol ID |
|-------------------------------|-------------|
| AntsP2P | 113 |
| Audio over HTTP | 1041 |
| BBC iPlayer | 1057 |
| BaiBao | 43 |
| Baidu Movie | 1043 |
| Behavioral Upload/Download | 127 |
| Binary over HTTP | 1042 |
| BitTorrent | 24 |
| Citrix | 1104 |
| CUWorld | 117 |
| Club Box | 1038 |
| Dijjer | 120 |
| Dial070 - Smartphone Login | 1131 |
| Dial070 - Smartphone Voice | 1118 |
| DingoTel | 42 |
| DirectConnect | 19 |
| EmuleEncrypted | 105 |
| Entropy | 125 |
| Exosee | 121 |
| FastTrack KaZaA File Transfer | 14 |
| Feidian | 1037 |
| Filetopia | 31 |
| Flash | 2033 |
| Flash MySpace | 2035 |
| Flash Yahoo | 2036 |
| Flash YouTube | 2034 |
| Fring | 1052 |
| FunshionTCP | 1144 |
| Furthur | 123 |

Table 1-8 Unidirectionally Detected Protocols (continued)

| Protocol Name | Protocol ID |
|------------------------|--------------------|
| Generic IPv6 | 1196 |
| Generic TCP | 0 |
| Gnutella File Transfer | 12 |
| Gnutella Networking | 11 |
| Google Talk | 1030 |
| GoogleEarth | 118 |
| HTTP Browsing | 2 |
| HTTP Tunnel | 55 |
| Hopster | 115 |
| Hotline | 20 |
| ICQ | 119 |
| Jabber | 116 |
| Joost | 1046 |
| Kontiki | 124 |
| LapLink | 1105 |
| Location Free | 1045 |
| LottoFile | 1095 |
| MMS | 6 |
| Monkey3 | 1096 |
| MS Push Mail | 1048 |
| MSN Messenger | 883 |
| Manolito | 22 |
| Mobile MMS | 46 |
| Mute | 34 |
| Napster | 32 |
| NeoNet | 37 |
| Net2phone | 1135 |
| NodeZilla | 35 |
| ooVoo | 1114 |
| Pandora | 1138 |
| POCO | 51 |
| POP3 | 9 |
| PPLive | 44 |
| PPStream | 49 |
| Pando | 1049 |
| PeerEnabler | 122 |

Table 1-8 Unidirectionally Detected Protocols (continued)

| Protocol Name | Protocol ID |
|----------------------|--------------------|
| QQ-Live | 2032 |
| SMTP | 8 |
| Skype | 25 |
| Sling | 112 |
| TVAnts | 109 |
| Thunder | 50 |
| Tor and Orbot | 1065 |
| UC | 48 |
| Viber over TCP | 1147 |
| Video over HTTP | 1040 |
| Warez/FileCroc | 39 |
| WebThunder | 1055 |
| WinMX/OpenNap | 16 |
| Winny | 17 |
| Yahoo Messenger | 40 |
| Yahoo Messenger VoIP | 45 |
| Zattoo | 1047 |
| eDonkey | 18 |
| guruguru | 66 |
| iTunes | 30 |
| imap | 59 |
| soribada | 69 |
| v-share | 71 |

Services

Services are the building blocks of service configurations. Classification of a transaction to a service determines the accounting and control that apply to the corresponding transaction. Services are organized in an hierarchal structure used for both accounting and control.

Table 1-9 lists the services defined in the default service configuration. Two service usage counters, Global Usage Counter and Subscriber Usage Counter, are used to accumulate information about the transactions classified under each service. Both these counter have the same name.

An asterisk is appended to a service usage counter name whenever the counter applies to more than one service.

Table 1-9 *Installed Services*

| Name | ID | Name of Parent Service | Global Usage Counter and Subscriber Usage Counter |
|---------------------------|-----------|-------------------------------|--|
| Default Service | 0 | | Default Service* |
| Browsing | 7 | Default Service | Global: Default Service*, Subscriber: Browsing* |
| Content Delivery Networks | 140 | Browsing | Global: Content Delivery Networks, Subscriber: Browsing |
| ClickStream-New Page | 118 | HTTP | Global: ClickStream-New Page, Subscriber: Browsing* |
| ClickStream-New Site | 119 | HTTP | Global: ClickStream-New Site, Subscriber: Browsing* |
| HTTP | 16 | Browsing | Global: HTTP, Subscriber: Browsing* |
| HTTPS | 17 | Browsing | Global: HTTPS, Subscriber: Browsing* |
| E-Mail | 4 | Default Service | E-Mail* |
| IMAP | 23 | E-Mail | Global: IMAP, Subscriber: E-Mail* |
| MS Exchange Desktop | 110 | E-Mail | Global: MS Exchange Desktop , Subscriber: E-Mail* |
| MS Push Mail | 47 | E-Mail | Global: MS Push Mail, Subscriber: E-Mail* |
| POP3 | 21 | E-Mail | Global: POP3, Subscriber: E-Mail* |
| SMTP | 22 | E-Mail | Global: SMTP, Subscriber: E-Mail* |
| Web-Based E-Mail | 71 | E-Mail | Global: Web-Based E-Mail, Subscriber: E-Mail* |
| File Sharing | 49 | Default Service | Default Service* |
| Appstores | 136 | File Sharing | Global: Appstores, Subscriber: File Sharing |
| Android Market | 138 | Appstores | Global: Appstores, Subscriber: File Sharing |
| Apple Appstore | 137 | Appstores | Global: Appstores, Subscriber: File Sharing |

Table 1-9 *Installed Services (continued)*

| Name | ID | Name of Parent Service | Global Usage Counter and Subscriber Usage Counter |
|--------------------------------------|-----------|-------------------------------|---|
| MacAppstore | 121 | Appstores | Global: MacAppstore Subscriber: Default Service* |
| Windows Store | 113 | Appstores | Global: Windows Store Subscriber: Default Service* |
| iOS Update | 115 | Appstores | Global: iOS Update Subscriber: Default Service* |
| CloudStorage | 125 | File Sharing | Global: CloudStorage, Subscriber: File Sharing |
| Download over HTTP | 44 | File Sharing | Download over HTTP |
| FTP | 32 | File Sharing | FTP |
| IM File Transfer | 51 | File Sharing | Global: Default Service*, Subscriber: IM File Transfer* |
| Google Talk File Transfer | 54 | IM File Transfer | Global: Google Talk File Transfer, Subscriber: IM File Transfer* |
| ICQ File Transfer | 55 | IM File Transfer | Global: ICQ File Transfer, Subscriber: IM File Transfer* |
| QQ File Transfer | 52 | IM File Transfer | Global: QQ File Transfer, Subscriber: IM File Transfer* |
| Skype File Transfer | 98 | IM File Transfer | Global: Skype File Transfer, Subscriber: IM File Transfer* |
| Windows Live Messenger File Transfer | 57 | IM File Transfer | Global: Windows Live Messenger File Transfer, Subscriber: IM File Transfer* |
| Yahoo Messenger File Transfer | 53 | Global: Yahoo Messenger File | Global: Yahoo Messenger File Transfer, Subscriber: IM File Transfer* |
| Other IM File Transfer | 56 | IM File Transfer | Global: Other IM File Transfer, Subscriber: IM File Transfer* |
| One-Click Hosting | 50 | File Sharing | One-Click Hosting |
| P2P | 9 | File Sharing | Default Service* |
| Ares/Warez | 58 | P2P | Ares/Warez |
| Bittorrent | 24 | P2P | Global: Default Service*, Subscriber: Bittorrent* |
| Bittorrent Over IPv6 | 116 | Bittorrent | Global: Bittorrent Over IPv6, Subscriber: Bittorrent* |
| Encrypted Bittorrent | 62 | Bittorrent | Global: Encrypted Bittorrent, Subscriber: Bittorrent* |
| Non-Encrypted Bittorrent | 63 | Bittorrent | Global: Non-Encrypted Bittorrent, Subscriber: Bittorrent* |
| Gnutella | 30 | P2P | Gnutella |
| Winny | 27 | P2P | Winny |

Table 1-9 *Installed Services (continued)*

| Name | ID | Name of Parent Service | Global Usage Counter and Subscriber Usage Counter |
|----------------------------|-----------|-------------------------------|---|
| eDonkey/eMule | 14 | P2P | Global: Default Service*, Subscriber: eDonkey/eMule* |
| Encrypted eMule | 60 | eDonkey/eMule | Global: Encrypted eMule, Subscriber: eDonkey/eMule* |
| Non-Encrypted eMule | 61 | eDonkey/eMule | Global: Non-Encrypted eMule, Subscriber: eDonkey/eMule* |
| Behavioral P2P | 43 | P2P | Behavioral P2P |
| Other P2P | 59 | P2P | Other P2P |
| Behavioral Upload/Download | 39 | File Sharing | Behavioral Upload/Download |
| Gaming | 29 | Default Service | Global: Default Service*, Subscriber: Gaming* |
| Nintendo Wii | 90 | Gaming | Global: Nintendo Wii, Subscriber: Gaming* |
| PC Gaming | 87 | Gaming | Global: PC Gaming, Subscriber: Gaming* |
| Playstation | 89 | Gaming | Global: Playstation, Subscriber: Gaming* |
| Wow | 122 | Gaming | Global: Wow, Subscriber: Gaming* |
| Xbox | 88 | Gaming | Global: Xbox, Subscriber: Gaming* |
| Instant Messaging | 28 | Default Service | Global: Default Service*, Subscriber: Instant Messaging* |
| Apple iMessage | 134 | Instant Messaging | Global: Apple iMessage, Subscriber: Instant Messaging |
| Facebook IM | 101 | Instant Messaging | Global: HTTP Browsing, Subscriber: Instant Messaging* |
| Facebook Messenger | 130 | Instant Messaging | Global: Default Service*, Subscriber: Instant Messaging* |
| Google Talk | 83 | Instant Messaging | Global: Google Talk, Subscriber: Instant Messaging* |
| ICQ | 85 | Instant Messaging | Global: ICQ, Subscriber: Instant Messaging* |
| WhatsApp Message | 135 | Instant Messaging | Global: WhatsApp Message, Subscriber: Instant Messaging |
| Windows Live Messenger | 82 | Instant Messaging | Global: Windows Live Messenger, Subscriber: Instant Messaging* |
| Yahoo Messenger | 84 | Instant Messaging | Global: Yahoo Messenger, Subscriber: Instant Messaging* |
| Other Instant Messaging | 86 | Instant Messaging | Global: Other Instant Messaging, Subscriber: Instant Messaging* |

Table 1-9 *Installed Services (continued)*

| Name | ID | Name of Parent Service | Global Usage Counter and Subscriber Usage Counter |
|-------------------------|-----------|-------------------------------|---|
| Internet Privacy | 94 | Default Service | Global: Default Service*, Subscriber: Internet Privacy* |
| Anonymity Networks | 95 | Internet Privacy | Global: Anonymity Networks, Subscriber: Internet Privacy* |
| Tunneling | 38 | Internet Privacy | Global: Tunneling, Subscriber: Internet Privacy* |
| VPN | 41 | Internet Privacy | Global: Default Service*, Subscriber: Internet Privacy* |
| IPSec VPN | 42 | VPN | Global: IPSec VPN, Subscriber: Internet Privacy* |
| OpenVPN | 102 | VPN | Global: OpenVPN, Subscriber: Internet Privacy* |
| Other VPN | 139 | VPN | Global: Other VPN, Subscriber: Internet Privacy* |
| Net Admin | 33 | Default Service | Global: Default Service*, Subscriber: Net Admin* |
| Naming Services | 91 | Net Admin | Global: Naming Services, Subscriber: Net Admin* |
| Terminals | 92 | Net Admin | Global: Terminals, Subscriber: Net Admin* |
| Other Net Admin | 93 | Net Admin | Global: Other Net Admin, Subscriber: Net Admin* |
| Social Media | 104 | Default Service | Default Service* |
| Facebook | 105 | Social Media | Global: Facebook, Subscriber: Default Service |
| MySpace | 107 | Social Media | Global: MySpace, Subscriber: Default Service* |
| Twitter | 106 | Social Media | Global: Twitter, Subscriber: Default Service |
| Other Social Sites | 108 | Social Media | Global: Other Social Sites, Subscriber: Default Service |
| Location Based Services | 48 | Default Service | Global: Location Based Services, Subscriber: Default Service* |
| Streaming | 70 | Default Service | Default Service* |
| Audio | 76 | Streaming | Audio |
| Video | 100 | Streaming | Global: Video, Subscriber: Default Service* |
| DailyMotion | 45 | Video | Global: DailyMotion, Subscriber: Default Service |
| Flash MySpace Video | 73 | Video | Global: Flash MySpace Video, Subscriber: Default Service* |

Table 1-9 *Installed Services (continued)*

| Name | ID | Name of Parent Service | Global Usage Counter and Subscriber Usage Counter |
|-----------------------|-----------|-------------------------------|--|
| NetFlix | 26 | Video | Global: NetFlix, Subscriber: Default Service* |
| Yahoo | 75 | Video | Global: Yahoo, Subscriber: Default Service* |
| YouTube | 74 | Video | Global: YouTube, Subscriber: Default Service* |
| Other Flash Video | 72 | Video | Global: Other Flash Video, Subscriber: Default Service* |
| P2P Video | 77 | Streaming | Global: Default Service, Subscriber: P2P Video |
| Joost | 81 | P2P Video | Global: Joost, Subscriber: P2P Video |
| PPLive | 79 | P2P Video | Global: PPLive, Subscriber: P2P Video |
| PPStream | 80 | P2P Video | Global: PPStream, Subscriber: P2P Video |
| Other P2P TV | 78 | P2P Video | Global: Other P2P TV, Subscriber: P2P Video |
| Other Streaming | 34 | Streaming | Global: Other Streaming, Subscriber: Other Streaming |
| BBC iPlayer Streaming | 129 | Other Streaming | Global: BBC iPlayer Streaming, Subscriber: Other Streaming |
| MMS | 20 | Other Streaming | Global: MMS, Subscriber: Other Streaming* |
| RTMP | 99 | Other Streaming | Global: RTMP, Subscriber: Other Streaming* |
| RTSP | 19 | Other Streaming | Global: RTSP, Subscriber: Other Streaming* |
| TTNET Muzik | 142 | Other Streaming | Global: TTNET Muzik, Subscriber: Other Streaming |
| Newsgroups | 8 | Other | Newsgroups |
| Voice and Video Calls | 12 | Default Service | Global: Default Service*, Subscriber: Voice and Video Calls* |
| Gmail Video | 124 | Voice and Video Calls | Global: Gmail Video, Subscriber: Voice and Video Calls* |
| Google Talk VoIP | 68 | Voice and Video Calls | Global: Google Talk VoIP, Subscriber: Voice and Video Calls* |
| Google Voice | 103 | Voice and Video Calls | Global: Google Voice, Subscriber: Voice and Video Calls* |
| H323 | 11 | Voice and Video Calls | Global: H323, Subscriber: Voice and Video Calls* |
| ICQ VoIP | 40 | Voice and Video Calls | Global: ICQ VoIP, Subscriber: Voice and Video Calls* |

Table 1-9 *Installed Services (continued)*

| Name | ID | Name of Parent Service | Global Usage Counter and Subscriber Usage Counter |
|---------------------------------------|-----------|---------------------------------------|---|
| MGCP | 5 | Voice and Video Calls | Global: MGCP, Subscriber: Voice and Video Calls* |
| MyPeople | 126 | Voice and Video Calls | Global: Mypeople, Subscriber: Voice and Video Calls* |
| QQ VoIP | 69 | Voice and Video Calls | Global: QQ VoIP, Subscriber: Voice and Video Calls* |
| SIP | 10 | Voice and Video Calls | Global: SIP, Subscriber: Voice and Video Calls* |
| Skype | 25 | Voice and Video Calls | Global: Default Service*, Subscriber: Voice and Video Calls* |
| Skype VoIP | 97 | Skype | Global: Skype VoIP, Subscriber: Voice and Video Calls* |
| SkypeIn | 65 | Skype | Global: SkypeIn, Subscriber: Voice and Video Calls* |
| SkypeOut | 66 | Skype | Global: SkypeOut, Subscriber: Voice and Video Calls* |
| Other Skype | 67 | Skype | Global: Other Skype, Subscriber: Voice and Video Calls* |
| Viber | 123 | Voice and Video Calls | Global: Viber, Subscriber: Voice and Video Calls* |
| VideoConference | 109 | Voice and Video Calls | Global: VideoConference, Subscriber: Voice and Video Calls |
| Vonage | 13 | Voice and Video Calls | Global: Vonage, Subscriber: Voice and Video Calls* |
| Windows Live Messenger VoIP and Video | 15 | Voice and Video Calls | Global: Default Service*, Subscriber: Voice and Video Calls* |
| Windows Live Messenger Video | 18 | Windows Live Messenger VoIP and Video | Global: Windows Live Messenger Video, Subscriber: Voice and Video Calls* |
| Windows Live Messenger VoIP | 46 | Windows Live Messenger VoIP and Video | Global: Windows Live Messenger VoIP, Subscriber: Voice and Video Calls* |
| Yahoo Messenger VoIP and Video | 31 | Voice and Video Calls | Global: Default Service*, Subscriber: Voice and Video Calls* |
| Yahoo Messenger Video | 35 | Yahoo Messenger VoIP and Video | Global: Yahoo Messenger Video, Subscriber: Voice and Video Calls* |
| Yahoo Messenger VoIP | 37 | Yahoo Messenger VoIP and Video | Global: Yahoo Messenger VoIP, Subscriber: Voice and Video Calls* |
| Yahoo Messenger Voice and Video | 132 | Voice and Video Calls | Global: Yahoo Messenger Voice and Video, Subscriber: Voice and Video Calls* |

Table 1-9 *Installed Services (continued)*

| Name | ID | Name of Parent Service | Global Usage Counter and Subscriber Usage Counter |
|------------------------|-----------|-------------------------------|---|
| Behavioral VoIP | 64 | Voice and Video Calls | Global: Behavioral VoIP, Subscriber: Voice and Video Calls* |
| Other VoIP | 36 | Voice and Video Calls | Global: Other VoIP, Subscriber: Voice and Video Calls* |
| Dial070 | 117 | Other VoIP | Global: Dial070, Subscriber: Voice and Video Calls* |
| Other | 1 | Default Service | Default Service* |
| Newsgroups | 8 | Other | Global: Newsgroups, Subscriber: Other |
| Trading | 111 | Other | Default Service* |
| BitCoin | 141 | Trading | Global: BitCoin, Subscriber: Default Service* |
| FIX | 112 | Trading | Global: FIX, Subscriber: Default Service* |
| ebay | 133 | Trading | Default Service* |
| Other IP | 6 | Other | Other IP |
| Other IPv6 | 128 | Other | Global: Other IPv6, Subscriber: Other |
| Other TCP | 2 | Other | Other TCP |
| Other UDP | 3 | Other | Other UDP |
| Other Well-Known Ports | 96 | Other | Other Well-Known Ports |

RDR Settings

The Cisco SCE platforms generate and transmit Raw Data Records (RDRs) that contain a wide variety of information and statistics, depending on the configuration of the system.

[Table 1-10](#) lists the RDR settings defined in the default service configuration.

Table 1-10 **Default RDR Settings**

| RDR Family | RDR Name | State | Rate | Rate Limit | Notes |
|-------------------|------------------------|--------------|------------------|-------------------|---|
| Usage | Generic | ON | Every 5 minutes | — | — |
| | Link | ON | Every 5 minutes | — | — |
| | Package | ON | Every 5 minutes | — | — |
| | Subscriber | ON | Every 10 minutes | 200 per second | — |
| | Virtual Links | OFF | Every 10 minutes | — | Default is ON for service configurations created in Virtual Links mode. |
| Transaction | Transaction | ON | — | 100 per second | All services have the same relative weight. |
| | Anonymized Transaction | ON | — | 100 per second | All services have the same relative weight. |

Table 1-10 Default RDR Settings (continued)

| RDR Family | RDR Name | State | Rate | Rate Limit | Notes |
|-------------------|------------------------------------|-------|-----------------|-----------------|---|
| Transaction Usage | Transaction Usage (TUR) | OFF | — | — | No threshold. |
| | Anonymized Transaction Usage (TUR) | OFF | — | — | No threshold. |
| | HTTP Transaction Usage | OFF | — | — | — |
| | Anonymized HTTP Transaction Usage | OFF | — | — | — |
| | RTSP Transaction Usage | OFF | — | — | — |
| | Anonymized RTSP Transaction Usage | OFF | — | — | — |
| | Video Transaction Usage | OFF | — | — | — |
| | Anonymized Video Transaction Usage | OFF | — | — | — |
| | VoIP Transaction Usage | OFF | — | — | — |
| | Anonymized VoIP Transaction Usage | OFF | — | — | — |
| Quota | Quota Breach | OFF | — | — | Generate RDR when bucket is breached. |
| | Quota Status | OFF | User configured | User configured | — |
| | Quota Threshold Breach | OFF | — | — | Generate RDR each time bucket exceeds threshold. |
| | Session Creation | OFF | — | — | Generated upon subscriber introduction or package switch. |

Table 1-10 *Default RDR Settings (continued)*

| RDR Family | RDR Name | State | Rate | Rate Limit | Notes |
|----------------------|-----------------------------|-------|------------------|----------------|---|
| Log | Block | ON | — | 20 per second | — |
| | Anonymized Block | ON | — | 20 per second | — |
| Real-Time Subscriber | Real-Time Subscriber Usage | ON | Every 1 minutes | 100 per second | Enable for each subscriber separately, using CLI. |
| Attack | Attack Start | OFF | — | — | — |
| | Attack Stop | | — | — | — |
| Malicious Traffic | Malicious Traffic Periodic | ON | Every 60 seconds | — | Generated only during attack. |
| Spam | Spam | OFF | — | — | — |
| | Anonymized Spam RDR | OFF | — | — | — |
| DHCP | DHCP | OFF | — | — | — |
| DHCP | DHCPv6 | OFF | — | — | — |
| RADIUS | RADIUS | OFF | — | — | — |
| Zone | Zone Usage RDR | ON | Every 5 minutes | 100 per second | — |
| Flow | Flow Start RDR | | | | |
| | Anonymized Flow Start RDR | | | | |
| | Flow End RDR | | | | |
| | Anonymized Flow End RDR | | | | |
| | Flow ongoing RDR | | | | |
| | Anonymized Flow ongoing RDR | | | | |
| | Media Flow RDR | | | | |
| | Anonymized Media Flow RDR | | | | |

Rules

Rules are a set of configurable instructions telling the application how to handle flows classified to a service.

The default service configuration contains a single rule for the default service. Until you create other rules, the default service rule applies to all traffic processed by the SCE platform.

The default service rule places no restrictions on traffic:

- Flows are routed through the default Bandwidth Controllers (BWCs), which have unlimited bandwidth (BW).
- No quota limitations are applied to the flows and external quota management mode is selected.

System Mode

The default System Operational Mode is Report Only, which means that the system is used for reporting but does not control traffic.

The default System Topological Mode is Duplex, which means that all inbound and outbound traffic go through the SCE platform.

**Note**

When unidirectional classifications enabled, there are some changes to the default service configuration:

- There are no predefined flavors.
 - No service elements include a specified flavor.
 - Periodic quota management mode is selected.
-