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

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

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	OSPFIGP	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
srmp	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
qmtp	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
CAIlic	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
masqdialer	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
rtsps	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
srssend	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
codaauth2	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_cmu	343	428	428
ocs_amu	344	429	429
utmpsd	345	430	430
utmpcd	346	431	431
iasd	347	432	432
nnsp	348	433	433
mobileip-agent	349	434	434
mobilip-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
appleqtc	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
intrinsa	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
meregister	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
mrm	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
rxe	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
rtip	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
iclcnet-locate	660	886	886
iclcnet_svinfo	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
maitrd	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
xdtp	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
msp	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
nicname	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
cfdptkt	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	Arez/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*
Anonimity Networks	95	Internet Privacy	Global: Anonimity 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.