

# NBAR2 Protocol Library

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## NBAR2 Protocol Library

NBAR2, or Network-Based Application Recognition, is a classification engine that recognizes and classifies a wide variety of protocols and applications, including web-based and other difficult-to-classify applications and protocols that use dynamic TCP/User Datagram Protocol (UDP) port assignments.

When NBAR2 recognizes and classifies a protocol or application, the network can be configured to apply the appropriate quality of service (QoS) for that application or traffic with that protocol.

The **match protocol** (NBAR2) command is used to classify traffic on the basis of protocols supported by NBAR2. NBAR2 is capable of classifying the following types of protocols:

- Non-TCP and non-UDP IP protocols.
- Statically assigned TCP and UDP port numbers.
- Dynamically assigned TCP and UDP port numbers. This kind of classification requires stateful inspection.
- Subport classification or classification based on deep packet inspection.

With IOS XE3.7 and IOS 15.2(4)M, NBAR started releasing monthly Protocol Packs for ISR-G2 and ASR1K routers. Customers can now get new protocols support by downloading protocol packs from CCO. Please refer to Protocol Pack FAQ for more details.

Table 1 lists the NBAR2-supported protocols available in Cisco IOS® and Cisco IOS XE Software, sorted by category. This table is updated when a protocol is added to a new Cisco IOS or Cisco IOS XE release train.

**Table 1.** NBAR2-Supported Protocols in Cisco IOS and Cisco IOS XE Software

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
flashmyspace	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	rich-media- http-content	flash-group	n	n	n
flash-video	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	rich-media- http-content	flash-group	n	n	n
flashyahoo	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	rich-media- http-content	flash-group	n	n	n
gopher	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	other	n	n	n
gss-http	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	authentication -services	other	unassigned	unassigned	unassigned
http	XE 3.2.0S - 15.1(1)S	15.2(1)T	browsing	other	other	n	n	n
http-alt	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
qq-accounts	XE 3.7.0S - 15.2(4)S	15.2(4)M	browsing	authentication -services	other	n	n	n
shockwave	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	rich-media- http-content	other	n	n	n
spdy	XE 3.7.0S - 15.2(4)S	15.2(4)M	browsing	other	other	n	y	y
wap-push	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-push-http	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-push-https	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-pushsecure	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-vcal	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-vcal-s	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	y
wap-vcard	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-vcard-s	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	y
wap-wsp	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-wsp-s	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-wsp-wtp	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	n
wap-wsp-wtp-s	XE 3.1.0S - 15.0(1)S	15.2(1)T	browsing	other	wap-group	n	n	y
yahoo-accounts	XE 3.7.0S - 15.2(4)S	15.2(4)M	browsing	authentication -services	yahoo-group	n	n	y
<b>Category: business-and-productivity-tools</b>								
activesync	XE 3.6.0S - 15.2(2)S	15.2(3)T	business- and- productivity- tools	client-server	other	n	n	y
adobe-connect	XE 3.7.0S - 15.2(4)S	15.2(4)M	business- and- productivity- tools	remote- access- terminal	other	n	n	y
afpovertcp	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	backup- systems	other	n	n	n
bacnet	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	network- management	other	n	n	n
banyan-rpc	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	banyan- group	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
banyan-vip	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	banyan- group	n	n	n
bb	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	network- management	other	n	n	n
CALlic	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	license- manager	other	n	n	n
checkpoint-cpmi	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	network- management	other	n	n	n
cisco-nac	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	internet- privacy	other	n	n	n
citrix	XE 3.4.0S - 15.1(3)S	15.2(1)T	business- and- productivity- tools	terminal	other	n	n	y
clearcase	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
coauthor	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
corba-iiop	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	inter-process- rpc	corba-group	n	n	n
cpq-wbem	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	network- management	other	n	n	n
custix	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
cvspserver	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	other	other	n	n	n
cvsup	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	file-sharing	other	n	n	n
cybercash	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	epayment	other	n	n	n
dantz	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
dbase	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
dcp	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	control-and- signaling	other	n	n	n
ddm-dfm	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
ddm-rdb	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
ddm-ssl	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	y
deos	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
disclose	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
distcc	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	client-server	other	n	n	n
dnp	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	network- management	other	n	n	n
dnsix	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	network- protocol	other	n	n	n
entrust-sps	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	authentication- services	other	n	n	n
erpc	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
fix	XE 3.4.0S - 15.1(3)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
flexlm	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	license- manager	other	n	n	n
gds_db	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	database	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
gkrellm	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	network- management	other	n	n	n
groove	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	voice-video- chat- collaboration	other	n	n	n
gss-xlicen	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	license- manager	other	n	n	n
hems	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
hl7	XE 3.1.0S - 15.0(1)S	15.1(2)T	business- and- productivity- tools	other	other	n	n	n
http-rpc-epmap	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
ibm-db2	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
iiop	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	inter-process- rpc	corba-group	n	n	n
ingres-net	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
ipcserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
ipp	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
iso-ill	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
lanserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	ldap-group	n	n	y
legent-1	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
legent-2	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
matip-type-a	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
matip-type-b	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
mfcobol	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
mit-dov	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
mortgageware	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
msft-gc	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
msft-gc-ssl	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	y
ms-dynamics-crm- online	XE 3.7.0S - 15.2(4)S	15.2(4)M	business- and- productivity- tools	other	other	n	n	y
ms-olap	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
ms-sql-m	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
mumps	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
ncp	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
ndmp	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	backup- systems	other	y	n	n
net8-cman	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
objcall	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
opalis-rdv	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
oracle-bi	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	database	other	n	n	n
oraclenames	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
oraclenet8cman	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
oracle-ebuite- unsecured	XE 3.7.0S - 15.2(4)S	15.2(4)M	business- and- productivity- tools	other	other	n	y	n
ora-srv	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
orbix-config	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	inter-process- rpc	corba-group	n	n	n
orbix-locator	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	inter-process- rpc	corba-group	n	n	n
orbix-loc-ssl	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	inter-process- rpc	corba-group	n	n	y
perforce	XE 3.6.0S - 15.2(2)S	15.2(1)T	business- and- productivity- tools	client-server	other	n	n	n
phonebook	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
postgresql	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	database	other	n	n	n
print-srv	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
psrserver	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	other	other	n	n	n
radmin-port	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	remote- access- terminal	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
rda	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
rdb-dbs-disp	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
rescap	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
ris-cm	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
salesforce	XE 3.7.0S - 15.2(4)S	15.2(4)M	business- and- productivity- tools	other	other	n	n	y
sap	XE 2.5.0S	15.1(2)T	business- and- productivity- tools	other	other	n	n	n
semantix	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	inter-process- rpc	corba-group	n	n	n
smartpackets	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	backup- systems	other	n	n	n
sqlexec	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
sql-net	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
sqlserv	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
sqlserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
sst	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	storage	other	n	n	n
streettalk	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	banyan- group	n	n	n
stx	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n



Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
sur-meas	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
swift-rvf	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	storage	other	n	n	n
synergy	XE 3.5.0S - 15.2(1)S	15.2(3)T	business- and- productivity- tools	remote- access- terminal	other	n	n	n
td-replica	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
td-service	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
tlisrv	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	sqlsvr-group	n	n	n
tserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
vatp	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
vemmi	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n
vpp	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	voice-video- chat- collaboration	other	n	n	n
vpps-qua	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
webex-app-sharing	XE 3.7.0S - 15.2(4)S	15.2(4)M	business- and- productivity- tools	voice-video- chat- collaboration	webex- group	n	n	y
windows-azure	XE 3.7.0S - 15.2(4)S	15.2(4)M	business- and- productivity- tools	other	other	n	y	y
xact-backup	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	backup- systems	other	n	n	n
xctp	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	other	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
xns-auth	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	authentication -services	xns-xerox- group	n	n	n
xns-ch	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	xns-xerox- group	n	n	n
z39.50	XE 3.1.0S - 15.0(1)S	15.2(1)T	business- and- productivity- tools	database	other	n	n	n
<b>Category: Email</b>								
bmpp	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
esro-emsdp	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
eudora-set	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
exchange	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
gbridge	XE 3.7.0S - 15.2(4)S	15.2(4)M	email	other	other	n	n	y
gmail	XE 3.5.0S - 15.2(1)S	15.2(2)T	email	other	other	n	n	y
groupwise	XE 3.5.0S - 15.2(1)S	15.2(3)T	email	client-server	other	n	n	n
hotmail	XE 3.7.0S - 15.2(4)S	15.2(4)M	email	other	other	n	n	y
imap	XE 3.2.0S - 15.1(1)S	15.2(1)T	email	other	imap-group	n	n	n
imsp	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	imap-group	n	n	n
lotus-notes	XE 3.7.0S - 15.2(4)S	15.2(4)M	email	client-server	other	n	n	y
mailq	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
mapi	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
mpp	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
msexch-routing	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
msp	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
ni-mail	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
notes	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
odmr	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	smtp-group	n	n	n
Outlook-web- service	XE 3.7.0S - 15.2(4)S	15.2(4)M	email	other	other	n	n	y
pop2	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
pop3	XE 3.2.0S - 15.1(1)S	15.2(1)T	email	other	pop3-group	n	n	n
qmqp	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
qmtt	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
qotd	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
re-mail-ck	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
secure-imap	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	imap-group	n	n	y
secure-pop3	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	pop3-group	n	n	y
smtp	XE 3.3.0S - 15.1(2)S	15.2(1)T	email	other	smtp-group	n	n	n
submission	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	smtp-group	n	n	n
ulistproc	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	other	n	n	n
xns-courier	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	xns-xerox- group	n	n	n
xns-mail	XE 3.1.0S - 15.0(1)S	15.2(1)T	email	other	xns-xerox- group	n	n	n
yahoo-mail	XE 3.7.0S - 15.2(4)S	15.2(4)M	email	other	yahoo-group	n	n	y
<b>Category: file-sharing</b>								
airplay	XE 3.7.0S - 15.2(4)S	15.2(4)M	file-sharing	other	other	y	n	n
aminet	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	other	n	n	n
baidu-movie	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	commercial- media- distribution	other	n	n	n
bftp	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	ftp-group	n	n	n
binary-over-http	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	other	n	n	n
bittorrent	XE 3.1.0S - 15.0(1)S	15.2(2)T	file-sharing	p2p-file- transfer	bittorrent- group	y	n	n
cifs	XE 3.1.0S - 15.0(1)S	15.1(2)T	file-sharing	client-server	other	n	n	n
directconnect	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p-file- transfer	other	y	n	n
dropbox	XE 3.7.0S - 15.2(4)S	15.2(4)M	File-sharing	storage	other	n	n	y
edonkey	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p-file- transfer	edonkey- emule-group	y	n	n
edonkey-static	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p-file- transfer	edonkey- emule-group	y	n	n
encrypted-bittorrent	XE 3.4.0S - 15.1(3)S	15.2(2)T	file-sharing	p2p-file- transfer	bittorrent- group	y	n	y

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
encrypted-emule	XE 3.4.0S - 15.1(3)S	15.2(2)T	file-sharing	p2p-file- transfer	edonkey- emule-group	y	n	y
fasttrack	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p- networking	fasttrack- group	y	n	n
fasttrack-static	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p-file- transfer	fasttrack- group	y	n	n
fatserv	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	other	n	n	n
filetopia	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	p2p-file- transfer	other	y	n	y
ftp	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	client-server	ftp-group	n	n	n
ftp-agent	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	ftp-group	n	n	n
ftp-data	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	ftp-group	n	n	n
ftps-data	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	ftp-group	n	n	y
gnutella	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p-file- transfer	gnutella- group	y	n	n
goboogy	XE 3.5.0S - 15.2(1)S	15.2(3)T	file-sharing	other	other	y	n	n
google-docs	XE 3.7.0S - 15.2(4)S	15.2(4)M	file-sharing	voice-video- chat- collaboration	google- group	y	n	y
gridftp	XE 3.5.0S - 15.2(1)S	15.2(3)T	file-sharing	client-server	ftp-group	n	n	y
gsiftp	XE 3.6.0S - 15.2(2)S	15.2(3)T	file-sharing	client-server	ftp-group	n	n	y
gtalk-ft	XE 3.5.0S - 15.2(1)S	15.2(3)T	file-sharing	file-sharing	gtalk-group	n	n	n
guruguru	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	other	other	n	n	n
itunes	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	commercial- media- distribution	other	n	n	n
kazaa2	XE 2.5.0S	15.1(2)T	file-sharing	p2p-file- transfer	fasttrack- group	y	n	n
konspire2b	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	p2p-file- transfer	other	y	n	n
manolito	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	p2p-file- transfer	other	y	n	n
mftp	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	p2p-file- transfer	other	y	n	n
microsoftds	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	netbios- group	n	n	n
my-jabber-ft	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	other	my-jabber- group	n	n	n
napster	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	commercial- media- distribution	other	y	n	n
netapp-snapmirror	XE 3.6.0S - 15.2(2)S	15.2(2)T	file-sharing	backup- systems	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
netware-ip	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	other	n	n	n
networking-gnutella	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p- networking	gnutella- group	y	n	n
ni-ftp	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	ftp-group	n	n	n
novastorbakcup	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	backup- systems	other	n	n	n
pando	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	p2p-file- transfer	other	y	n	n
pftp	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	other	n	n	n
poco	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	commercial- media- distribution	other	y	n	n
qft	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	other	n	n	n
rcp	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	other	n	n	n
remotefs	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	storage	other	n	n	n
rushd	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	network- management	other	n	n	n
saft	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	other	n	n	n
secure-ftp	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	ftp-group	n	n	y
sftp	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	ftp-group	n	n	n
sift-uft	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	other	n	n	n
songsari	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	commercial- media- distribution	other	y	n	n
soribada	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	commercial- media- distribution	other	y	n	n
soulseek	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	other	other	n	n	n
subntbcst_ftp	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	ftfp-group	n	n	n
svn	XE 3.5.0S - 15.2(1)S	15.2(3)T	file-sharing	file-sharing	other	n	n	n
ftfp	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	client-server	ftfp-group	n	n	n
tomatopang	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	p2p-file- transfer	other	y	n	n
uucp-path	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	other	other	n	n	n
vmpwscs	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	network- management	other	n	n	n
waste	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p-file- transfer	other	y	n	y

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
webthunder	XE 3.2.0S - 15.1(1)S	15.2(1)T	file-sharing	p2p-file- transfer	other	y	n	n
winmx	XE 3.3.0S - 15.1(2)S	15.2(2)T	file-sharing	p2p-file- transfer	other	y	n	n
winny	XE 3.5.0S - 15.2(1)S	15.2(3)T	file-sharing	p2p-file- transfer	p2p-file- transfer	y	n	n
xunlei	XE 3.7.0S - 15.2(4)S	15.2(4)M	File-sharing	p2p-file- transfer	Xunlei-group	y	n	n
zannet	XE 3.1.0S - 15.0(1)S	15.2(1)T	file-sharing	client-server	other	n	n	n
<b>Category: gaming</b>								
blizwow	XE 3.1.0S - 15.0(1)S	15.2(1)T	gaming	other	other	n	n	n
bnet	XE 3.1.0S - 15.0(1)S	15.2(1)T	gaming	voice-video- chat- collaboration	other	n	n	n
directplay	XE 3.1.0S - 15.0(1)S	15.2(1)T	gaming	voice-video- chat- collaboration	other	n	n	n
directplay8	XE 3.1.0S - 15.0(1)S	15.2(1)T	gaming	other	other	n	n	n
doom	XE 3.1.0S - 15.0(1)S	15.2(1)T	gaming	other	other	n	n	n
game-spy	XE 3.6.0S - 15.2(2)S	15.2(3)T	gaming	other	other	n	n	n
kali	XE 3.1.0S - 15.0(1)S	15.2(1)T	gaming	other	other	n	n	n
maplestory	XE 3.2.0S - 15.1(1)S	15.2(1)T	gaming	other	other	n	n	n
parsec-game	XE 3.1.0S - 15.0(1)S	15.2(1)T	gaming	other	other	n	n	n
xfire	XE 3.5.0S - 15.2(1)S	15.2(3)T	gaming	other	other	n	n	n
<b>Category: industrial-protocols</b>								
acr-nema	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	n
asa-appl-pto	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	n
cab-protocol	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	unassigned	unassigned	unassigned
datex-asn	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	control-and- signaling	other	n	n	n
dicom	XE 3.1.0S - 15.0(1)S	15.1(2)T	industrial- protocols	other	other	n	n	n
embl-ndt	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	n
ieee-mms	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	n
ieee-mms-ssl	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	y
iscsi	XE 3.7.0S - 15.2(4)S	15.2(4)M	industrial- protocols	storage	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
mondex	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	epayment	other	n	n	n
mptn	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	remote- access- terminal	other	n	n	n
opc-job-start	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	n
opc-job-track	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	n
pawserv	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	unassigned	unassigned	unassigned
pdap	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	n
prm-nm	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	control-and- signaling	prm-group	n	n	n
prm-sm	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	control-and- signaling	prm-group	n	n	n
spsc	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	control-and- signaling	other	n	n	n
unidata-ldm	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	other	other	n	n	n
ups	XE 3.1.0S - 15.0(1)S	15.2(1)T	industrial- protocols	control-and- signaling	other	n	n	n
<b>Category: instant-messaging</b>								
aol-messenger	XE 3.3.0S - 15.1(2)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	other	n	n	n
aol-protocol	XE 3.3.0S - 15.1(2)S	15.2(2)T	instant- messaging	voice-video- chat- collaboration	other	n	n	n
conference	XE 3.1.0S - 15.0(1)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	other	n	n	n
cuseeme	XE 2.3.0S	15.1(2)T	instant- messaging	voice-video- chat- collaboration	other	n	n	n
fring	XE 3.6.0S - 15.2(2)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	fring-group	y	n	n
gtalk	XE 3.5.0S - 15.2(1)S	15.2(2)T	instant- messaging	voice-video- chat- collaboration	gtalk-group	n	n	n
gtalk-chat	XE 3.5.0S - 15.2(1)S	15.2(2)T	instant- messaging	client-server	gtalk-group	n	n	n
icq	XE 3.3.0S - 15.1(2)S	15.2(2)T	instant- messaging	voice-video- chat- collaboration	icq-group	n	n	n
irc	XE 3.2.0S - 15.1(1)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	irc-group	n	n	n
irc-serv	XE 3.1.0S - 15.0(1)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	irc-group	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
msn-messenger	XE 3.3.0S - 15.1(2)S	15.2(2)T	instant- messaging	voice-video- chat- collaboration	windows- live- messenger- group	n	n	n
msnp	XE 3.1.0S - 15.0(1)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	windows- live- messenger- group	n	n	n
netwall	XE 3.1.0S - 15.0(1)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	other	n	n	n
ntalk	XE 3.1.0S - 15.0(1)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	other	n	n	n
secure-irc	XE 3.1.0S - 15.0(1)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	irc-group	n	n	y
talk	XE 3.1.0S - 15.0(1)S	15.2(1)T	instant- messaging	voice-video- chat- collaboration	other	n	n	n
xmpp-client	XE 3.5.0S - 15.2(1)S	15.2(3)T	instant- messaging	client-server	other	n	n	n
yahoo-messenger	XE 3.3.0S - 15.1(2)S	15.2(2)T	instant- messaging	voice-video- chat- collaboration	yahoo- messenger- group	n	n	n
<b>Category: internet-privacy</b>								
cryptoadmin	XE 3.1.0S - 15.0(1)S	15.2(1)T	internet- privacy	authentication- services	other	n	n	n
entrust-ash	XE 3.1.0S - 15.0(1)S	15.2(1)T	internet- privacy	authentication- services	other	n	n	n
entrust-kmsh	XE 3.1.0S - 15.0(1)S	15.2(1)T	internet- privacy	authentication- services	other	n	n	n
gtp-user	XE 3.1.0S - 15.0(1)S	15.2(1)T	internet- privacy	tunneling- protocols	other	n	y	n
ipsec	XE 3.3.0S - 15.1(2)S	15.2(2)T	internet- privacy	tunneling- protocols	ipsec-group	n	y	y
isakmp	XE 3.3.0S - 15.1(2)S	15.2(2)T	internet- privacy	tunneling- protocols	ipsec-group	n	y	y
keyserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	internet- privacy	authentication- services	other	n	n	n
openvpn	XE 3.5.0S - 15.2(1)S	15.2(2)T	internet- privacy	tunneling- protocols	other	n	y	n
pptp	XE 3.2.0S - 15.1(1)S	15.2(1)T	internet- privacy	tunneling- protocols	other	n	y	y
sdnskmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	internet- privacy	control-and- signaling	other	n	n	n
secure-http	XE 3.2.0S - 15.1(1)S	15.2(1)T	internet- privacy	other	other	n	n	y
socks	XE 3.1.0S - 15.0(1)S	15.2(1)T	internet- privacy	other	other	n	n	n
ssl	XE 3.5.0S - 15.2(1)S	15.2(3)T	internet- privacy	other	other	n	y	y
tinc	XE 3.1.0S - 15.0(1)S	15.2(1)T	internet- privacy	tunneling- protocols	other	n	y	y



Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
tor	XE 3.5.0S - 15.2(1)S	15.2(3)T	internet- privacy	client-server	other	y	n	y
tunnel-http	XE 3.2.0S - 15.1(1)S	15.2(1)T	internet- privacy	tunneling- protocols	other	n	y	n
websense	XE 3.5.0S - 15.2(1)S	15.2(3)T	internet- privacy	internet- privacy	other	n	n	n
<b>Category: layer3-over-ip</b>								
3pc	XE 3.1.0S - 15.0(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
an	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
argus	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
aris	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ax25	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
bbnrccmon	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
bna	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
br-sat-mon	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
cbt	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
cftp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
chaos	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
compaq-peer	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
cphb	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
cpnx	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
crtf	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
dcn-meas	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ddp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ddx	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
dgp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
emcon	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
encap	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
etherip	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
fire	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
ggp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	n	n	n
gmp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
hmp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
hopopt	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
iatp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
idpr	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	routing- protocol	other	unassigned	unassigned	unassigned
idpr-cmtp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
idrp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	routing- protocol	other	unassigned	unassigned	unassigned
ifmp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
igrp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	routing- protocol	other	unassigned	unassigned	unassigned
il	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
i-nlsp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipcomp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipcv	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipinip	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	n	y	n
ipip	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	tunneling- protocols	other	n	y	n
ippc	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipv6-frag	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipv6-icmp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipv6inip	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	tunneling- protocols	other	n	y	n
ipv6-nonxt	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipv6-opts	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipv6-route	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ipx-in-ip	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	tunneling- protocols	other	n	y	n
irtp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
isis	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	routing- protocol	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
iso-tp4	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
larp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
leaf-1	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
leaf-2	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
merit-inp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
mfe-nsp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
micp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
mobile	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	n	y	n
mtp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
mux	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
narp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
netblt	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
nsfnet-igp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
nvp-ii	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
pgm	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
pim	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	routing- protocol	other	unassigned	unassigned	unassigned
pnni	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	routing- protocol	other	unassigned	unassigned	unassigned
prm	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ptp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
pup	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
pvp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
qnx	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
rdp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
rwd	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
sat-expak	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
sat-mon	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
scc-sp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
schedule-transfer	XE 3.7.0S - 15.2(4)S	15.2(4)M	layer3-over- ip	routing- protocol	other	n	n	n
scps	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
sdrp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	routing- protocol	other	unassigned	unassigned	unassigned
secure-vmtp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
skip	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
sm	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
smp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
snp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
sprite-rpc	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
srp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
st	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
sun-nd	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
swipe	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
tcf	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
texar	XE 3.1.0S - 15.0(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
tlsp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
tp++	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
trunk-1	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
trunk-2	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
ttp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
uti	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
visa	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
vmtp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
vrrp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
wb-expak	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
wb-mon	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
wsn	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
xnet	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
xns-ldp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	xns-xerox- group	unassigned	unassigned	unassigned
xtp	XE 3.2.0S - 15.1(1)S	15.2(1)T	layer3-over- ip	other	other	unassigned	unassigned	unassigned
<b>Category: location-based-services</b>								
google-earth	XE 3.2.0S - 15.1(1)S	15.2(1)T	location- based- services	other	other	n	n	n
<b>Category: net-admin</b>								
914c/g	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
9pfs	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	storage	other	n	n	n
acap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
agentx	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	snmp-group	n	n	n
alpes	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
aodv	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
apertus-ldp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	no	no	no
apple-remote- desktop	XE 3.7.0S -15.2 (-42)S	15.2(4)M	net-admin	remote- access- terminal	other	n	n	y
aruba-papi	XE 3.5.0S - 15.2(1)S	15.2(3)T	net-admin	network- management	other	n	n	n
asipregistry	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
asip-webadmin	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
at-3	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	apple-talk- group	n	n	n
at-5	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	apple-talk- group	n	n	n
at-7	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	apple-talk- group	n	n	n
at-8	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	apple-talk- group	n	n	n
at-echo	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	apple-talk- group	n	n	n
at-nbp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	apple-talk- group	n	n	n
at-rtmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	apple-talk- group	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
at-zis	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	apple-talk- group	n	n	n
auditd	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
aurp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	y	n
auth	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
ayiia-ipv6-tunneled	XE 3.2.0S - 15.1(1)S	15.1(3)T	net-admin	network- management	other	n	y	n
bgmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
bgp	XE 3.1.0S - 15.0(1)S	12.4(1)M	net-admin	routing- protocol	other	n	n	n
cdc	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
chargen	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
chshell	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
cisco-fna	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	other	n	n	n
cisco-sys	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	other	n	n	n
cisco-tdp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
cisco-tna	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	other	n	n	n
cloanto-net-1	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	license- manager	other	n	n	unassigned
cmip-agent	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
cmip-man	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
codaaauth2	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
compressnet	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
crs	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
csnet-ns	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	naming- services	other	n	n	n
ctf	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	other	n	n	n
cvc_hostd	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
cycleserv	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
cycleserv2	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
dameware-mrc	XE 3.7.0S - 15.2(4)S	15.2(4)M	net-admin	remote- access- terminal	dameware- group	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
daytime	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
decauth	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
decvms-sysmgt	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
dhcp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
dhcp-failover	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
dhcp-failover2	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
dhcpv6-client	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
dhcpv6-server	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
dht	XE 3.2.0S - 15.1(1)S	15.2(1)T	net-admin	other	other	n	n	n
discard	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
dns	XE 3.4.0S - 15.1(3)S	15.2(1)T	net-admin	naming- services	other	n	n	n
dtk	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
dwr	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
echo	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
egp	XE 3.1.0S - 15.0(1)S	12.4(1)M	net-admin	routing- protocol	other	n	n	n
eigrp	XE 3.1.0S - 15.0(1)S	12.4(1)M	net-admin	routing- protocol	other	n	n	n
elcsd	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	unassigned	unassigned	unassigned
entrust-aaas	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
entrust-aams	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
exec	XE 3.6.0S - 15.2(2)S	15.2(2)T	net-admin	remote- access- terminal	other	n	n	n
fcp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	storage	other	n	n	n
finger	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
fln-spx	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
gacp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
gdomap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
go-login	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
gotomypc	XE 3.7.0S - 15.2(4)S	15.2(4)M	net-admin	remote- access- terminal	other	n	n	y
gre	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	tunneling- protocols	other	n	y	n
ha-cluster	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
hassle	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
hdap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
hello-port	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
hmmp-ind	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
hmmp-op	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
hostname	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	naming- services	other	n	n	n
hp-alarm-mgr	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
hp-collector	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
hp-managed-node	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
http-mgmt	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
icmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
isatap-ipv6- tunneled	XE 3.2.0S - 15.1(1)S	15.1(3)T	net-admin	network- management	other	n	y	n
iso-ip	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
iso-tp0	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
kerberos	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	kerberos- group	n	n	n
klogin	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	n
kpasswd	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	kerberos- group	n	n	y
kshell	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	n
l2tp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	tunneling- protocols	other	n	y	n
ldap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	ldap-group	n	n	n
ldp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
lockd	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	inter-process- rpc	other	n	n	n



Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
login	XE 3.6.0S - 15.2(2)S	15.2(2)T	net-admin	remote- access- terminal	other	n	n	n
logmein	XE 3.7.0S - 15.2(4)S	15.2(4)M	net-admin	remote- access- terminal	other	n	y	y
mac-srvr-admin	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
masqdiabler	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
micromuse-lm	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
mikogo	XE 3.7.0S - 15.2(4)S	15.2(4)M	net-admin	remote- access- terminal	other	n	y	y
mobileip-agent	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
monitor	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
mrm	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
msdp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
ms-wbt	XE 3.4.0S - 15.1(3)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
ms-win-dns	XE 3.6.0S - 15.2(2)S	15.2(2)T	net-admin	naming- services	other	n	n	n
mylex-mapd	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
mysql	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	database	sqlsvr-group	n	n	n
name	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
namp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
nas	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
ndsauth	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication- services	other	n	n	n
nest-protocol	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
net-assistant	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
netbios	XE 3.2.0S - 15.1(1)S	15.2(1)T	net-admin	naming- services	netbios- group	n	n	n
netrjs-1	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
netrjs-2	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
netrjs-3	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
netrjs-4	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
netviewdm1	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
netviewdm2	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
netviewdm3	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
netvmg-traceroute	XE 3.5.0S - 15.2(1)S	15.2(3)T	net-admin	control-and- signaling	other	n	n	n
new-rwho	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
nextstep	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
nfs	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
nicname	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
nlogin	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
nmap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
novadigm	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	n
npmp-gui	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	npmp-group	n	n	n
npmp-local	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	npmp-group	n	n	n
npmp-trap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	npmp-group	n	n	n
nqs	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
nsrmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
nss-routing	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
ntp	XE 3.2.0S - 15.1(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
nxedit	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
olsr	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
opalis-robot	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
openvms-sysipc	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
ospf	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
osu-nms	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
passgo	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
passgo-tivoli	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
password-chg	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
pcanywhere	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	n
photuris	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
pim-rp-disc	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
ping	XE 3.5.0S - 15.2(1)S	15.2(3)T	net-admin	network- protocol	other	n	n	n
pkix-3-ca-ra	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
pkix-timestamp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
prospero	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	database	other	n	n	n
ptp-event	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
purenoise	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	y
pwdgen	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
qbikgdp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
quotad	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
radius	XE 3.2.0S - 15.1(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
rcmd	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	n
rip	XE 3.2.0S - 15.1(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
ripng	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
rje	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
rlp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
rlzdbase	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	storage	other	n	n	n
rmonitor	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
rmt	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	n
rpc2portmap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	control-and- signaling	other	n	n	n
rrh	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	routing- protocol	other	n	n	n
rrp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
rsh-spx	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
rsvp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
rsvp_tunnel	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	control-and- signaling	other	n	y	n
rsync	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
rtelnet	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
sco-dtmgr	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
scohelp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
sco-inetmgr	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
sco-sysmgr	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
sco-websrvrmg3	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	unassigned	n	n
sco-websrvrmgr	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
secure-ldap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	ldap-group	n	n	y
secure-telnet	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	y
server-ipx	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- protocol	other	n	n	n
sflow	XE 3.5.0S - 15.2(1)S	15.2(3)T	net-admin	control-and- signaling	other	n	n	n
sgmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
sgmp-traps	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
shell	XE 3.6.0S - 15.2(2)S	15.2(2)T	net-admin	remote- access- terminal	other	n	n	n
showmypc	XE 3.7.0S - 15.2(4)S	15.2(4)M	net-admin	remote- access- terminal	other	y	n	y
shrinkwrap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication -services	other	n	n	n
sixtofour-ipv6- tunneled	XE 3.2.0S - 15.1(1)S	15.1(3)T	net-admin	tunneling- protocols	other	n	y	n
smssp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
snare	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
snmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	snmp-group	n	n	n
sntp-heartbeat	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
softros-messenger-ft	XE 3.5.0S - 15.2(1)S	15.2(3)T	net-admin	file-sharing	other	y	n	n
sqlnet	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	database	sqlsvr-group	n	n	n
sqlsrv	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	database	sqlsvr-group	n	n	n
src	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
srmpp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
ssh	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	y	y
sshell	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	y
statsrv	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
stun-nat	XE 3.1.0S - 15.0(1)S	15.1(3)T	net-admin	network- management	stun-group	n	n	n
stuns	XE 3.5.0S - 15.2(1)S	15.2(3)T	net-admin	network- management	stun-group	n	n	y
sun-dr	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
sunrpc	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
supdup	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
svrloc	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	control-and- signaling	other	unassigned	unassigned	unassigned
synoptics-trap	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	snmp-group	n	n	n
synotics-broker	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	snmp-group	n	n	n
synotics-relay	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	snmp-group	n	n	n
syslog	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
systat	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
tacacs	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	authentication- services	other	n	n	n
tell	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	voice-video- chat- collaboration	other	n	n	n
telnet	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	n
teredo-ipv6- tunneled	XE 3.2.0S - 15.1(1)S	15.1(3)T	net-admin	tunneling- protocols	other	n	y	n
timbuktu	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
time	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
timed	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
ulp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
urm	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
utime	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
uucp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	client-server	other	n	n	n
uucp-rlogin	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	client-server	other	n	n	n
uuidgen	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	other	other	n	n	n
vnc	XE 2.3.0S	15.1(2)T	net-admin	remote- access- terminal	vnc-group	n	n	n
vnc-http	XE 3.6.0S - 15.2(2)S	15.2(2)T	net-admin	remote- access- terminal	vnc-group	n	n	n
whoami	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
whois++	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	other	n	n	n
windows-update	XE 3.4.0S - 15.1(3)S	15.2(1)T	net-admin	other	other	n	n	y
xdmcp	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	remote- access- terminal	other	n	n	n
xns-time	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	network- management	xns-xerox- group	n	n	n
xwindows	XE 3.1.0S - 15.0(1)S	15.2(1)T	net-admin	terminal	other	n	n	n
<b>Category: newsgroup</b>								
netnews	XE 3.1.0S - 15.0(1)S	15.2(1)T	newsgroup	other	nntp-group	n	n	n
nnsp	XE 3.1.0S - 15.0(1)S	15.2(1)T	newsgroup	other	nntp-group	n	n	n
nntp	XE 3.2.0S - 15.1(1)S	15.2(1)T	newsgroup	other	nntp-group	n	n	n
secure-nntp	XE 3.1.0S - 15.0(1)S	15.2(1)T	newsgroup	other	nntp-group	n	n	y
<b>Category: social-networking</b>								
blogger	XE 3.7.0S - 15.2(4)S	15.2(4)M	social- networking	rich-media- http-content	google- group	y	n	y
facebook	XE 3.7.0S - 15.2(4)S	15.2(4)M	social- networking	voice-video- chat- collaboration	other	n	y	y
google-plus	XE 3.7.0S - 15.2(4)S	15.2(4)M	social- networking	voice-video- chat- collaboration	google- group	y	n	y
linkedin	XE 3.7.0S - 15.2(4)S	15.2(4)M	social- networking	other	other	n	n	y

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
picasa	XE 3.7.0S - 15.2(4)S	15.2(4)M	social- networking	rich-media- http-content	google- group	y	n	y
twitter	XE 3.7.0S - 15.2(4)S	15.2(4)M	social- networking	other	other	n	y	y
<b>Category: streaming</b>								
hulu	XE 3.7.0S - 15.2(4)S	15.2(4)M	streaming	commercial- media- distribution	other	n	n	y
<b>Category: trojan</b>								
hap	XE 3.1.0S - 15.0(1)S	15.2(1)T	trojan	other	other	n	n	n
mecomm	XE 3.1.0S - 15.0(1)S	15.2(1)T	trojan	other	other	n	n	n
trinoo	XE 3.5.0S - 15.2(1)S	15.2(3)T	trojan	other	other	n	n	n
<b>Category: voice-and-video</b>								
appleqtz	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	streaming	other	n	n	n
appleqtzsvr	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	streaming	other	n	n	n
audio-over-http	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	streaming	other	n	n	n
babelgum	XE 3.2.0S - 15.1(1)S	15.2(1)T	voice-and- video	commercial- media- distribution	other	n	n	n
cisco-ip-camera	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	streaming	other	n	y	n
cisco-phone	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	voice-video- chat- collaboration	other	n	n	n
cooltalk	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	voice-video- chat- collaboration	other	n	n	n
directv-catlg	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	commercial- media- distribution	other	n	n	n
directv-soft	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	commercial- media- distribution	other	n	n	n
directv-tick	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	commercial- media- distribution	other	n	n	n
directv-web	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	commercial- media- distribution	other	n	n	n
facetime	XE 3.7.0S - 15.2(4)S	15.2(4)M	voice-and- video	voice-video- chat- collaboration	other	n	n	y
fring-video	XE 3.6.0S - 15.2(2)S	15.2(2)T	voice-and- video	voice-video- chat- collaboration	fring-group	y	n	n
fring-voip	XE 3.3.0S - 15.1(2)S	15.2(2)T	voice-and- video	voice-video- chat- collaboration	fring-group	y	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
gtalk-video	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	voice-video- chat- collaboration	gtalk-group	n	n	n
gtalk-voip	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	voice-video- chat- collaboration	gtalk-group	n	n	n
h323	XE 2.1.0S	15.1(2)T	voice-and- video	control-and- signaling	other	n	n	n
iasd	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	other	other	n	n	n
iax	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	voice-video- chat- collaboration	other	y	n	n
kuro	XE 3.3.0S - 15.1(2)S	15.2(2)T	voice-and- video	streaming	other	unassigned	unassigned	unassigned
livemeeting	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	voice-video- chat- collaboration	other	n	n	y
livestation	XE 3.6.0S - 15.2(2)S	15.2(3)T	voice-and- video	streaming	other	n	n	n
megavideo	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	streaming	flash-group	n	n	n
mgcp	XE 3.2.0S - 15.1(1)S	15.2(1)T	voice-and- video	control-and- signaling	other	n	n	n
ms-lync	XE 3.7.0S - 15.2(4)S	15.2(4)M	voice-and- video	other	ms-lync- group	n	n	y
ms-lync-media	XE 3.7.0S - 15.2(4)S	15.2(4)M	voice-and- video	other	ms-lync- group	n	n	y
netflix	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	streaming	other	n	n	n
netshow	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	streaming	other	n	n	n
nmsp	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	streaming	other	n	n	n
pandora	XE 3.7.0S - 15.2(4)S	15.2(4)M	voice-and- video	streaming	other	n	y	y
philips-vc	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	voice-video- chat- collaboration	other	n	n	n
ppstream	XE 3.3.0S - 15.1(2)S	15.2(1)T	voice-and- video	streaming	other	y	n	n
pptv	XE 3.7.0S - 15.2(4)S	15.2(4)M	voice-and- video	commercial- media- distribution	other	y	n	n
qqlive	XE 3.7.0S - 15.2(4)S	15.2(4)M	voice-and- video	streaming	other	y	n	n
rdt	XE 3.5.0S - 15.2(1)S	15.2(3)T	voice-and- video	streaming	other	n	n	n
rhapsody	XE 3.6.0S - 15.2(2)S	15.2(3)T	voice-and- video	streaming	other	n	n	n
rtcp	XE 3.6.0S - 15.2(2)S	15.2(3)T	voice-and- video	control-and- signaling	other	n	n	n
rtmp	XE 3.4.0S - 15.1(3)S	15.2(2)T	voice-and- video	streaming	flash-group	n	n	n





Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
webex-media	XE 3.7.0S - 15.2(4)S	15.2(4)M	voice-and- video	Voice-video- chat- collaboration	webex- group	n	n	y
webex-meeting	XE 3.4.0S - 15.1(3)S	15.2(1)T	voice-and- video	voice-video- chat- collaboration	webex- group	n	n	y
xunlei-kankan	XE 3.7.0S - 15.2(4)S	15.2(4)M	voice-and- video	streaming	xunlei-group	y	n	n
yahoo-voip- messenger	XE 3.3.0S - 15.1(2)S	15.2(2)T	voice-and- video	voice-video- chat- collaboration	yahoo- messenger- group	n	n	n
yahoo-voip-over-sip	XE 3.4.0S - 15.1(3)S	15.2(2)T	voice-and- video	voice-video- chat- collaboration	yahoo- messenger- group	n	n	n
youtube	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	streaming	flash-group	n	n	n
zattoo	XE 3.1.0S - 15.0(1)S	15.2(1)T	voice-and- video	commercial- media- distribution	other	n	n	n
<b>Category: other</b>								
applejuice	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
any-host-internal	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
aol-messenger-ft	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
aol-messenger- audio	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
aol-messenger- video	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
avocent	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
bittorrent- networking	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	n	n	n
citrix-static	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
esignal	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
ghostsurf	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
google-accounts	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
google-services	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	google- group	y	n	y
hamachi	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
heroix-longitude	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
icq-filetransfer	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
kerberos-adm	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
MobilitySrv	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
ms-live-accounts	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
msn-messenger-ft	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
msn-messenger- video	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
ms-office-365	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
ms-update	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
ncube-lm	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
netop-remote- control	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
oscar-filetransfer	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
p10	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
pcoip	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
personal-link	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
realmedia	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
rsvp-encap-1	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
rsvp-encap-2	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
steam	XE 3.5.0S - 15.2(1)S	15.2(2)T	other	other	other	unassigned	unassigned	unassigned
sybase	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
teamsound	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
teamviewerok	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
tesla-sys-msg	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
tradedstation	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
virtual-places	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
vmware-view	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
vmware-vmotion	XE 3.7.0S - 15.2(4)S	15.2(4)M	other	other	other	unassigned	unassigned	unassigned
war-rock	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
wccp	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
3com-amp3	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
acas	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
accessbuilder	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
accessnetwork	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
acp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
active-directory	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
anet	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ansanotify	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ansatrader	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
applix	XE 3.2.0S - 15.1(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
arcisdms	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ariel1	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ariel2	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ariel3	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
arns	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
asa	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
as-servermap	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
audit	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
aurora-cmgr	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
avian	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
bdp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
bgs-nsi	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
bhevent	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
bhfs	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
bhmds	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
bl-idm	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
borland-dsj	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
cableport-ax	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
cadlock	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
capwap-control	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
capwap-data	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
cddbp-alt	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
cfdpkt	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
cimplex	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
collaborator	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
commerce	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
comscm	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
con	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
connendp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
contentserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
corerjd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
courier	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
covia	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
creativepartnr	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
creativeserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
crudp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
csi-sgwp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dasp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
datasurfsrv	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
datasurfsrvsec	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dccp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dctp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dec_dlm	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
decap	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
decbsrv	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
decladeflag	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
dei-icda	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
desktnets	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	client-server	other	n	n	n
device	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
digital-vc	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dmp	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
dn6-nlm-aud	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	network- protocol	other	n	n	n
dna-cml	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dpsi	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dsfgw	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dsp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dsp3270	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dsr	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
dtag-ste-sb	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
emfis-ctrl	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
emfis-data	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
entomb	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
epmap	XE 3.4.0S - 15.1(3)S	15.2(1)T	other	inter-process- rpc	other	n	n	n
escp-ip	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
esro-gen	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	inter-process- rpc	other	n	n	n
fc	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
font-service	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	remote- access- terminal	other	n	n	n
fujitsu-dev	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
genie	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
genrad-mux	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ggf-ncp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ginad	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
gotodevice	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	client-server	other	n	n	n
graphics	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
hcp-wismar	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
hip	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
hitachi-spc	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
hp-pdl-datastr	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
hybrid-pop	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
hyperwave-isp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
iafdbase	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
iafserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ibm-app	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ibm-director	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
ibprotocol	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
iclcnetsvinfo	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
iclcnetslocate	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
idfp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
inbusiness	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
intecourier	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
integra-sme	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
intrinsic	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ipcd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ipdd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ipinip	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	tunneling- protocols	other	n	y	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
iplt	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ip-messenger	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
is99c	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
is99s	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
iscsi-target	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
isi-gl	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
iso-tsap	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	network- protocol	other	unassigned	unassigned	unassigned
iso-tsap-c2	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
itm-mcell-s	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
jargon	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
k-block	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
kis	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
kryptolan	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
la-maint	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
lijk-login	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
locus-con	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	network- protocol	other	n	n	n
locus-map	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	network- protocol	other	n	n	n
loglogic	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	n	n	n
lwapp	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	n	n	n
magenta-logic	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
mailbox-lm	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
maitrd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
manet	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
maxdb	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
mcafee-update	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
mcidas	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	network- protocol	other	n	n	n



Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
mcns-sec	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
mdc-portmapper	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
meregister	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
meta5	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
metagram	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
meter	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
micom-pfs	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
mit-ml-dev	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
mobilip-mn	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
mpls-in-ip	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
mpm	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
mpm-flags	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
mpm-snd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
msg-auth	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
msg-icp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ms-iis	XE 3.6.0S - 15.2(2)S	15.2(2)T	other	client-server	other	n	n	n
ms-netlogon	XE 3.6.0S - 15.2(2)S	15.2(2)T	other	authentication -services	other	n	n	n
ms-ocs-file-transfer	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
ms-rome	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ms-rpc	XE 3.4.0S - 15.1(3)S	15.2(1)T	other	inter-process- rpc	other	n	n	n
ms-shuttle	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ms-sms	XE 3.6.0S - 15.2(2)S	15.2(2)T	other	network- management	other	n	n	n
ms-streaming	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
multiling-http	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
multiplex	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
nced	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
nclcd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
netbios-ns	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
netgw	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
netrcs	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
netssc-dev	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
netssc-prod	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
npp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
ns	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
nsiiops	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
nsw-fe	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
obex	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
ocbinder	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ocs_amu	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ocs_cmdu	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ocserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ohimsrv	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
omginitialrefs	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
omhs	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
omserv	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
onmux	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
openport	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
opsmgr	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
oracle-sqlnet	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
pip	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
pipe	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
pirp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
pov-ray	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
printer	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
profile	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ptcnameservice	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ptp-general	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
pump	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
qrh	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
rap	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
realm-rusd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
remote-kis	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
repcmd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
repscmd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ris	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
rmc	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
rmiactivation	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
rmiregistry	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
rsvd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
rsvp-e2e-ignore	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
rtip	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
rtmpt	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
rx	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sanity	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
scc-security	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
scol2odialog	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sctp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
scx-proxy	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
secondlife	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
send	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
set	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sfs-config	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sfs-smp-net	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
share-point	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
siam	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sitaradir	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sitarangmt	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sitaraserver	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
skronk	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
smartsdp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
smpnameres	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
smsd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
smux	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
snagas	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
s-net	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
snpp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	control-and- signaling	other	n	n	n
softpc	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sonar	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
spmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sps	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
srssend	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
sscpcmce	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
stmf	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
submit	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
surf	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
tacnews	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
tapeware	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	backup- systems	other	n	n	n
tcpoverdns	XE 3.6.0S - 15.2(2)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
teedtap	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
tempo	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
tenfold	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ticf-1	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ticf-2	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
tnETOS	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
tns-cml	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
tn-tl-fd1	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
uaac	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
uarps	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
udplite	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
uis	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
ulpnet	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
unify	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
utmpcd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
utmpsd	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
vacdsm-app	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
vacdsm-sws	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
vid	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
videotex	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
vmnet	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
vmware-fdm	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	vmware- group	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
vnas	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
vpps-via	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
vsinet	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
vslmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
webster	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	n	n	n
worldfusion	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
wpgs	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
x-bone-ctl	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	network- protocol	other	n	n	n
xfer	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
xvttp	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
xyplex-mux	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
zserv	XE 3.1.0S - 15.0(1)S	15.2(1)T	other	other	other	unassigned	unassigned	unassigned
apc-powerchute	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
call-of-duty	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
dclink	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
filemaker- announcement	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
wlccp	XE 3.5.0S - 15.2(1)S	15.2(3)T	other	other	other	unassigned	unassigned	unassigned
<b>Category: obsolete</b>								
3com-tsmux	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
aed-512	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
dixie	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	n	n	n
dls	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
dls-mon	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
hyper-g	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
infoseek	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	n	n	n
knet-cmp	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
pcmail-srv	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned

Protocol/ Application	Cisco ASR1000 Series (Cisco IOS XE Release)	Cisco ISR-G2 (Cisco IOS T Train)	Category	Sub-category	Application -group	P2P Technology	Tunneled	Encrypted
powerburst	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
servstat	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
smakynet	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned
su-mit-tg	XE 3.1.0S - 15.0(1)S	15.2(1)T	obsolete	other	other	unassigned	unassigned	unassigned



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