Loadable Traffic Identification Package Release Notes, 14.10.03

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Loadable Traffic Identification Package, Release 14.10.03

1.1 About this Document

The Loadable Traffic Identification Package (LTIP) guide is a point of reference to the release update. The information added, modified, and deprecated in the LTIP guide is summarized in this table.

Updates	Section Updated
New protocols added	*New Protocols* on page 6
Changed protocols	*Changed Protocols* on page 9
Deprecated protocols	*Deprecated Protocols* on page 22
Resolved issue	*Resolved Issues* on page 56

Note:
This table lists the delta between the current release and the previous release.

Conventions used

This table lists the documentation conventions used in this document.

Symbol	Description
...	Means in continuity. For example: User 1, User 2 ... User 15, means from User 1 to User 15.

1.1.1 Impact to Service

You can update the LTIP at any time with no expected impact to traffic. However, best practices suggest that upgrading during a regularly scheduled maintenance window reduces the impact of any unexpected interruption. It can take approximately 15 minutes to download latest LTIP version. Installation on a single PTS takes approximately 10 minutes. Contact Sandvine Customer Support or its authorized partner if you cannot download the desired LTIP version.

Note:
Traffic is temporarily shunted during the installation of a new protocols package. This means that you should verify that SandScript policies applied to this traffic are active.

During the installation, new and older recognizers are kept in system memory. Previous flows continue to use the previous recognizers, while new flows use the new recognizers. When all old flows are recognized, or have timed out, the old recognizers are unloaded. During this transition period, no out-of-memory issue is expected.

Sandvine intends to preserve SandScript keywords for protocols across package releases. Any changes to the protocol keywords are reported as changed protocols. Installing a new package has no impact on customers using your services.

Note:
Run `svupdate` to downgrade your deployment to an earlier LTIP version. This automatically performs the downgrade based on the options you select with the `svupdate` command.

1.2 New Protocols

New protocols in this release are:

- Babble Messenger
- clickplay
- My Pinoy TV
- Relay GIF Messenger
- Starz Play
- SuperVPN
- Talkray
- YahooMessenger
- Yandex Map

Note:
Speedtest Analyzer has been added.

Babble Messenger

Reference	Description
Type	Babble Messenger is a mobile messaging application.
Ticket ID	reqst00446407
Recognized by	Babble Messenger is refined from Jabber and SIP.
Traffic identification impact	Increase in Babble Messenger traffic.

clickplay

Reference	Description
Type	clickplay provides on-demand internet streaming media in Philippines and Hong Kong.
Ticket ID	reqst00445762
Recognized by	clickplay is recognized by HTTP flows and SSI Client Hello.
Traffic identification impact	Increase in clickplay traffic.

My Pinoy TV

Reference	Description
Type	My Pinoy TV is an internet television service in Philippine. You can view Television shows, movies and sports events.
Ticket ID	reqst00445739
Recognized by	My Pinoy TV is recognized by fixed patterns in HTTP/HTTPS flows.
Traffic identification impact	Increase in My Pinoy TV traffic.

Relay GIF Messenger

Reference	Description
Type	Relay GIF Messenger is a mobile application that allows you to message GIF files.
Ticket ID	reqst00446517
Recognized by	Relay GIF Messenger is recognized by HTTP Host, User-Agent, SSL Client Hello and, DNS tracker.

Reference	Description
Traffic identification impact	Increase in Relay GIF Messenger traffic.

Starz Play

Reference	Description
Type	Starz Play provides access to Television series and movies.
Ticket ID	reqst00445735, reqst00445859, reqst00445898
Recognized by	Starz Play is recognized by fixed patterns in HTTP Headers and SSL flows.
Traffic identification impact	Increase in Starz Play traffic.

SuperVPN

Reference	Description
Type	SuperVPN is a mobile application for VPN services.
Ticket ID	reqst00447480
Recognized by	SuperVPN is recognized by fixed patterns in HTTP flows and VPN tracker.
Traffic identification impact	Increase in SuperVPN traffic.

Talkray

Reference	Description
Type	Talkray is a mobile application for calls and messaging.
Ticket ID	reqst00447304
Recognized by	Talkray is recognized by fixed patterns in UDP, TCP, SSL and HTTP flows and, DNS queries.
Traffic identification impact	Increase in Talkray traffic.

YahooMessenger

Reference	Description
Type	YahooMessenger is a multi-function client that provides voice-over-IP (using SIP) and instant messaging capabilities.
Ticket ID	reqst00445774
Recognized by	YahooMessenger is recognized by fixed patterns in TCP and UDP flows.
Traffic identification impact	Increase in YahooMessenger traffic.

Yandex Map

Reference	Description
Type	Yandex Map is an application that has detailed maps of most of the cities of the world and, a business directory.
Ticket ID	reqst00445908

Reference	Description
Recognized by	Yandex Map is recognized by HTTP Host and Referer.
Traffic identification impact	Increase in Yandex Map traffic.

1.2.1 Speedtest Analyzer

Speedtest Analyzer measures the results published by the speedtest.net tool to their server. It can be used to measure the upload/download Bandwidth, ping latency and server ID.

The Speedtest Analyzer fields are:

Field	Description	Type
Flow.Application.Speedtest.DownloadSpeed	The field exposes the download speed value (in kbps) as reported by the speedtest website.	Integer
Flow.Application.Speedtest.UploadSpeed	The field exposes the upload speed value (in kbps) as reported by the speedtest website.	Integer
Flow.Application.Speedtest.Ping	The field exposes the Ping value (in ms) as reported by the speedtest website.	Integer
Flow.Application.Speedtest.ServerId	The field exposes the ServerId value used by the speedtest website in multiple server setups to calculate the speed and ping values.	Integer

Note:
These fields are available only for browser based Speedtest checks.

1.3 Changed Protocols

Changed protocols in this LTIP release are:

- Amazon Cloud Drive
- Aol. On
- Apple Maps
- Apple Photo Stream
- CBC
- CBC Sports
- CBS
- Channel5 Demand 5
- CNN
- Dailymotion
- DELFI (Estonia)
- DiDi VoIP
- DirecTV
- eBay
- ESPN FC
- Flipagram
- FOX Sports
- Funshion

- Google
- GOMTV
- Hola
- IGN
- iHeartRadio
- imo
- iTunes
- iTunes Streaming
- Korean Network Storage
- last.fm
- LeTV
- Livestream
- MSN Games
- Mtv
- Naver Streaming Live
- NBC Streaming
- New York Times
- NFL SUNDAY TICKET
- NHL GAMECENTER LIVE
- ObfuscatedVoip
- PANDORA Radio
- PPLive
- PPS.tv
- QQLive
- Red Bull TV
- SayHi
- SBS Gorealra
- Sina Video
- SIP, SIP Data (Bridge Call and Maal Talk)
- Skype PC to PC
- SoundCloud
- Speedtest
- The CW TV
- tudou
- tumblr
- TuneIn Radio
- Ustream
- Veetle
- Viber Call
- Wall Street Journal
- Wechat Web
- YouTube HD
- Yupptv

For more information on these protocols, see *Loadable Traffic Identification Package Reference Guide* for this version.

Amazon Cloud Drive

Reference	Description
Ticket ID	reqst00448006

Reference	Description
Recognized by	Amazon Cloud Drive is recognized by SSL refinement.
Traffic identification impact	Increase in Amazon Cloud Drive traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Aol. On (aolvideo)

Reference	Description
Ticket ID	reqst00447742
Recognized by	aolvideo is recognized by fixed patterns in HTTP Headers.
Traffic identification impact	Increase in aolvideo traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Apple Maps

Reference	Description
Ticket ID	reqst00447873
Recognized by	Apple Maps is recognized by fixed patterns in HTTP Host, User Agent, and SSL Client Hello fields.
Traffic identification impact	Increase in Apple Maps traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Apple Photo Stream

Reference	Description
Ticket ID	reqst00447890
Recognized by	Apple Photo Stream is recognized by tracker.
Traffic identification impact	Increase in Apple Photo Stream traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

CBC

Reference	Description
Ticket ID	reqst00445667, reqst00446515, reqst00446626
Recognized by	CBC is recognized by fixed patterns in HTTP Host, Referer and User Agent fields.
Traffic identification impact	Increase in CBC traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

CBC Sports

Reference	Description
Ticket ID	reqst00447733
Recognized by	CBC Sports is recognized by fixed patterns in HTTP Host and Referer fields.
Traffic identification impact	Increase in CBC Sports traffic.

Reference	Description
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

CBS

Reference	Description
Ticket ID	reqst00445923, reqst00445924
Recognized by	CBS is recognized by fixed patterns in HTTP Host and Referer.
Traffic identification impact	Increase in CBS traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Channel5 Demand 5

Reference	Description
Ticket ID	reqst00445905
Recognized by	Channel5 Demand 5 is recognized by fixed patterns in HTTP Host and Referer.
Traffic identification impact	Increase in Channel5 Demand 5 traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

CNN

Reference	Description
Ticket ID	reqst00447748
Recognized by	CNN is recognized by fixed patterns in HTTP Host, Referer and Resource fields.
Traffic identification impact	Increase in CNN traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Dailymotion

Reference	Description
Ticket ID	reqst00446972
Recognized by	Dailymotion is recognized by HTTP Host and Referer.
Traffic identification impact	Increase in Dailymotion traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

DELFI (Estonia)

Reference	Description
Ticket ID	reqst00446974
Recognized by	DELFI (Estonia) is recognized by fixed patterns in HTTP Host and Referer fields.
Traffic identification impact	Increase in DELFI (Estonia) traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

DiDi VoIP

Reference	Description
Ticket ID	reqst00447915
Recognized by	DiDi VoIP is recognized by fixed patterns in SSL flows.
Traffic identification impact	Increase in DiDi VoIP traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

DirecTV

Reference	Description
Ticket ID	reqst00445134
Recognized by	DirecTV is recognized by fixed patterns in HTTP Headers and SSL flows.
Traffic identification impact	Increase in DirecTV traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

eBay

Reference	Description
Ticket ID	reqst00446979
Recognized by	eBay is recognized by fixed patterns in HTTP and Referer.
Traffic identification impact	Increase in eBay traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

ESPN FC

Reference	Description
Ticket ID	reqst00448506
Recognized by	ESPN FC is recognized by fixed patterns in HTTP Host, Referer and Resource fields.
Traffic identification impact	Increase in ESPN FC traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Flipagram

Reference	Description
Ticket ID	reqst00448368
Recognized by	Flipagram is recognized by fixed patterns in HTTP Host.
Traffic identification impact	Increase in Flipagram traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

FOX Sports

Reference	Description
Ticket ID	reqst00446691
Recognized by	FOX Sports is recognized by fixed patterns in HTTP flows.

Reference	Description
Traffic identification impact	Increase in FOX Sports traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Funshion

Reference	Description
Ticket ID	reqst00445758
Recognized by	Funshion is recognized by HTTP Host and Referer fields.
Traffic identification impact	Increase in Funshion traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Google

Reference	Description
Ticket ID	reqst00446228
Recognized by	Google is recognized by STUN based refinement.
Traffic identification impact	Increase in Google traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

GOMTV

Reference	Description
Ticket ID	reqst00446055
Recognized by	GOMTV is recognized by fixed patterns in HTTP Referer field.
Traffic identification impact	Increase in GOMTV traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Hola

Reference	Description
Ticket ID	reqst00448068
Recognized by	Hola is recognized by fixed patterns in TCP flows.
Traffic identification impact	Increase in Hola traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

IGN

Reference	Description
Ticket ID	reqst00445740, reqst00447902
Recognized by	IGN is recognized by HTTP Host, Referer and Resource fields.
Traffic identification impact	Increase in IGN traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

iHeartRadio

Reference	Description
Ticket ID	reqst00446439
Recognized by	iHeartRadio is recognized by fixed patterns in fixed patterns in HTTP Host, Referer and User Agent fields.
Traffic identification impact	Increase in iHeartRadio traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

imo

Reference	Description
Ticket ID	reqst00445910
Recognized by	imo is recognized by fixed patterns in SSL, TCP and UDP flows.
Traffic identification impact	Increase in imo traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

iTunes

Reference	Description
Ticket ID	reqst00447874
Recognized by	iTunes is recognized by fixed patterns in HTTP Host and User Agent fields.
Traffic identification impact	Increase in iTunes traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

iTunes Streaming

Reference	Description
Ticket ID	reqst00446955
Recognized by	iTunes Streaming is recognized by fixed patterns in HTTP Headers.
Traffic identification impact	Increase in iTunes Streaming traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Korean Network Storage

Reference	Description
Ticket ID	reqst00447489
Recognized by	Korean Network Storage is recognized by fixed patterns in HTTP Referer.
Traffic identification impact	Increase in Korean Network Storage traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

last.fm

Reference	Description
Ticket ID	reqst00448017

Reference	Description
Recognized by	last.fm is recognized by fixed patterns in HTTP Host, Referer and Resource fields.
Traffic identification impact	Increase in last.fm traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

LeTV

Reference	Description
Ticket ID	reqst00445587
Recognized by	LeTV is recognized by HTTP Host and Referer fields.
Traffic identification impact	Increase in LeTV traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Livestream

Reference	Description
Ticket ID	reqst00447744
Recognized by	Livestream is recognized by fixed patterns in HTTP Host and Referer fields.
Traffic identification impact	Increase in Livestream traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

MSN Games

Reference	Description
Ticket ID	reqst00448347
Recognized by	MSN Games is recognized by fixed patterns in HTTP Headers.
Traffic identification impact	Decrease in MSN Games traffic. Removed signatures for MSN Games causing false positive.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Mtv

Reference	Description
Ticket ID	reqst00448012
Recognized by	Mtv is recognized by HTTP Host, Referer and, TLS Tracker.
Traffic identification impact	Increase in Mtv traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Naver Streaming Live

Reference	Description
Ticket ID	reqst00437276
Recognized by	Naver Streaming Live is parsed from the first packet from streaming TCP flow.
Traffic identification impact	NA

Reference	Description
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

NBC Streaming

Reference	Description
Ticket ID	reqst00445626, reqst00447118
Recognized by	NBC Streaming is recognized by fixed patterns in HTTP Host and Referer fields.
Traffic identification impact	increase in NBC Streaming traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

New York Times

Reference	Description
Ticket ID	reqst00447124
Recognized by	New York Times is recognized by fixed patterns in HTTP Host, Referer, Resource and SSL Client Hello fields.
Traffic identification impact	Increase in New York Times traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

NFL SUNDAY TICKET

Reference	Description
Ticket ID	reqst00447091, reqst00447274
Recognized by	NFL SUNDAY TICKET is recognized by fixed patterns in HTTP Host and Header fields.
Traffic identification impact	Increase in NFL SUNDAY TICKET traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

NHL GAMECENTER LIVE

Reference	Description
Ticket ID	reqst00449681
Recognized by	NHL GAMECENTER LIVE is recognized by HTTP refinement.
Traffic identification impact	Increase in NHL GAMECENTER LIVE traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

ObfuscatedVoip

Reference	Description
Ticket ID	reqst00445761, reqst00446213, reqst00446392, reqst00446546
Recognized by	ObfuscatedVoip is recognized by fixed pattern HTTP flows.
Traffic identification impact	Increase in ObfuscatedVoip traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

PANDORA Radio

Reference	Description
Ticket ID	reqst00447296
Recognized by	PANDORA Radio is recognized by HTTP Referer and Referer path.
Traffic identification impact	Increase in PANDORA Radio traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

PPLive

Reference	Description
Ticket ID	reqst00445629
Recognized by	PPLive is recognized by fixed patterns in HTTP Headers and TCP flows.
Traffic identification impact	Increase in PPLive traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

PPS.tv

Reference	Description
Ticket ID	reqst00447300
Recognized by	PPS.tv is recognized by fixed patterns in HTTP Host, Referer and Resource fields.
Traffic identification impact	Increase in PPS.tv traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

QQLive

Reference	Description
Ticket ID	reqst00447750, reqst00447469
Recognized by	QQLive is recognized by fixed patterns in HTTP Host, Referer and Resource.
Traffic identification impact	Increase in QQLive traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Red Bull TV

Reference	Description
Ticket ID	reqst00445628, reqst00447470
Recognized by	Red Bull TV is recognized by fixed patterns in HTTP Host and Referer fields.
Traffic identification impact	Increase in Red Bull TV traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

SayHi

Reference	Description
Ticket ID	reqst00448024
Recognized by	SayHi is recognized by fixed patterns in HTTP flows and DNS queries.

Reference	Description
Traffic identification impact	Increase in SayHi traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

SBS Gorealra

Reference	Description
Ticket ID	reqst00447472
Recognized by	SBS Gorealra is recognized by fixed patterns in HTTP Host and Referer fields.
Traffic identification impact	Increase in SBS Gorealra traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Sina Video

Reference	Description
Ticket ID	reqst00447477
Recognized by	Sina Video is recognized by fixed patterns in HTTP Host and Referer fields.
Traffic identification impact	Increase in Sina Video traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

SIP, SIP Data (Bridge Call and Maal Talk)

Reference	Description
Ticket ID	reqst00445086, reqst00445747
Recognized by	SIP and SIP Data are recognized by fixed patterns in HTTP flows.
Traffic identification impact	Increase in SIP and SIP Data traffic.
Reason for change	Providers Bridge Call and Maal Talk added to NDS report for VoIP characterization.

Skype PC to PC

Reference	Description
Ticket ID	reqst00437276
Recognized by	Skype PC to PC is recognized by UDP flows.
Traffic identification impact	Increase in Skype PC to PC traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

SoundCloud

Reference	Description
Ticket ID	reqst00447476
Recognized by	SoundCloud is recognized by fixed patterns in RTMP flows.
Traffic identification impact	Increase in SoundCloud traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Speedtest

Reference	Description
Ticket ID	reqst00446182, reqst00447978
Recognized by	Speedtest is recognized by HTTP fields and, SSL Client Hello and Certificate.
Traffic identification impact	Increase in Speedtest traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

The CW TV

Reference	Description
Ticket ID	reqst00445756
Recognized by	The CW TV is recognized by fixed patterns in HTTP flows.
Traffic identification impact	Increase in The CW TV traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

tudou

Reference	Description
Ticket ID	reqst00447483
Recognized by	tudou is recognized by HTTP Host and Referer.
Traffic identification impact	Increase in tudou traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

tumblr

Reference	Description
Ticket ID	reqst00447486
Recognized by	tumblr is recognized by fixed patterns in SSL Client Hello.
Traffic identification impact	Increase in tumblr traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

TuneIn Radio

Reference	Description
Ticket ID	reqst00447608
Recognized by	TuneIn Radio is recognized by fixed patterns in HTTP flows and client IP based tracking.
Traffic identification impact	Increase in TuneIn Radio traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Ustream

Reference	Description
Ticket ID	reqst00447611
Recognized by	Ustream is recognized by HTTP Host and Referer.

Reference	Description
Traffic identification impact	Increase in Ustream traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Veetle

Reference	Description
Ticket ID	reqst00447612
Recognized by	Veetle is recognized by HTTP Host and Referer fields.
Traffic identification impact	Increase in Veetle traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Viber Call

Reference	Description
Ticket ID	reqst00446811
Recognized by	Viber Call is recognized by fixed patterns in SSL and UDP flows.
Traffic identification impact	Increase in Viber Call traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Wall Street Journal

Reference	Description
Ticket ID	reqst00447615
Recognized by	Wall Street Journal is recognized by HTTP fields and SSL Client Hello.
Traffic identification impact	Increase in Wall Street Journal traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Wechat Web

Reference	Description
Ticket ID	reqst00448069
Recognized by	Wechat Web is recognized by fixed patterns in HTTP and SSL flows.
Traffic identification impact	Increase in Wechat Web traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

YouTube HD

Reference	Description
Ticket ID	reqst00447600
Recognized by	YouTube HD is recognized by fixed patterns in HTTP flows.
Traffic identification impact	Increase in YouTube HD traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

Yupptv

Reference	Description
Ticket ID	reqst00445927
Recognized by	Yupptv is recognized by fixed patterns in HTTP Headers.
Traffic identification impact	Increase in Yupptv traffic.
Reason for change	Sandvine Quality Assurance Testing revealed new flows.

1.4 Changed Protocol Names

There are no protocol name changes in this release.

1.5 Deprecated Protocols

Deprecated protocols are no longer in use and the system will not recognize or report the traffic for these protocols.

Yahoo Messenger (ymsg)

Reference	Description
Type	A multi-function client that provides voice-over-IP (using SIP) and instant messaging capabilities.
Ticket ID	reqst00445774
Reason for deprecating	No classification for mobile and PC.

1.6 Protocol Change Log

This table lists the most recent release in which a protocol was changed, added or deprecated.

Protocol	Action	LTIP Release
050 plus	changed	14.08.01
1Legcall	changed	11.11.01
5min	added	12.02.01
Channel 4 4oD	changed	14.09.02
6.cn	changed	11.02.01
8tracksapp	changed	14.09.02
A&E TV	added	13.10.01
Abacast	changed	10.10.01
ABC	changed	13.10.01
AbcAU	added	14.03.01

Protocol	Action	LTIP Release
ABC Australia	changed	12.11.01
ABC Streaming	changed	14.07.01
ABC Vod	added	13.07.01
ABC Live	added	13.07.01
acTVila	added	12.05.01
Aereo	changed	13.09.01
Afreeca	changed	14.03.01
AFCP	deprecated	12.01.01 or older
Aim	added	12.12.01
Airtime	added	13.02.01
Akamai	deprecated	10.12.01
Aliez	added	14.09.02
Amazon	changed	14.09.02
AmazonAppStore	added	14.06.01
Amazon Cloud Drive	changed	14.10.03
AmazonCloudFront	deprecated	13.03.01
Amazon Music	changed	14.07.01
Amazon Games Downloads	added	13.08.02
Amazon Kindle	changed	14.04.01
Amazon Instant Video	changed	14.07.01
AmazonProxy	added	14.05.01
Amazon Updates	added	14.07.01
Amazon Video	changed	13.10.01
Ameba	added	12.12.01
ameba smart Kids TV	added	13.11.01
Android Updates	changed	14.02.01
Android Upload Traffic	added	12.03.01
AniBOOM	deprecated	11.02.01
AOL	changed	14.09.02
Aol. On	changed	14.10.03
AOL Instant Messenger	changed	14.07.01
AOL Video	changed	13.08.02
AOL Uncut	deprecated	12.08.01
ApnaTube	deprecated	11.02.01
Apple iMessage	changed	14.07.01
Apple Maps	changed	14.10.03
Apple Photo Stream	changed	14.10.03
Apple Push Notification Service	changed	14.07.01

Protocol	Action	LTIP Release
Apple Siri	changed	13.09.01
Apple TV	deprecated	13.07.01
Apple Updates	changed	14.07.01
Arab Real Caller	changed	14.05.01
Ares	changed	10.06.01
AT&T Synaptic Storage	added	14.04.01
Audiogalaxy	added	12.10.01
Avast Update	changed	13.01.01
AVG Update	changed	11.12.01
Avira Update	changed	14.03.01
Azarlive	added	14.09.02
Babble Messenger	added	14.10.03
BBM	changed	13.12.01
BestBuy Games Downloads	added	13.07.01
Bababoo	changed	11.12.01
Babelgum	changed	11.02.01
Backblaze	added	11.02.01
Badoo	changed	13.02.01
Baidu	changed	14.09.02
Baidu hi	changed	14.01.01
Baidux	changed	14.03.02
BAND	changed	14.07.01
Bansberry	changed	12.03.01
Basketball Tv	added	14.05.01
Battlefield 2	changed	11.07.01
BATTLEFIELD 3	changed	14.04.01
BATTLEFIELD 4	changed	14.03.01
BBC iPlayer	changed	14.08.01
BBC SPORT	changed	14.07.01
BBM Channels	added	13.12.01
Bebo	changed	11.06.01
BearShare	changed	12.08.01
Bell TV	added	14.09.02
BenchBee SpeedTest	changed	12.06.01
Betamax	changed	14.04.01
Bey2ollak	added	13.12.01
BFD	added	12.07.01
BitCoin	added	14.03.01

Protocol	Action	LTIP Release
BitShare	added	12.06.01
BitTorrent	changed	14.09.02
BitTorrent Streaming	changed	13.09.01
BitTorrent Sync	added	13.07.01
Bittorrent UDP	changed	14.06.01
BitTorrent uTP	changed	13.10.01
Blackberry	changed	14.06.01
Blackberry Voice	changed	13.06.02
Blackberry App World Store	changed	14.08.01
BlackBox	added	14.08.01
Bleep	added	14.09.02
Blinkbox	added	11.06.01
Blinkx	added	13.08.02
blip	changed	14.08.01
Blockbuster	changed	11.06.01
blubster	deprecated	13.12.01
bobsled	added	12.07.01
BOOTP	changed	12.05.01
Boxee	changed	12.04.01
Break Videos	changed	14.09.02
Brightcove	changed	13.06.02
BT Digital Vault	added	12.06.01
BT Fon	added	12.06.01
BT Nevis	added	12.06.01
BT Speed Tester	added	12.06.01
BT Sport	added	13.09.01
BT Sport	changed	14.02.01
BTV	changed	14.03.01
BuddyBuddy	deprecated	13.02.01
Bugs! Music	changed	14.07.01
Callserve	deprecated	13.04.02
Calling Number Search	added	14.05.01
Call Of Duty	changed	14.04.01
Call Voice Changer	added	14.06.01
Candy Crush Saga	changed	14.08.01
CAPWAP	added	10.12.01
Carbonite	changed	13.11.02
Casero	deprecated	13.04.02

Protocol	Action	LTIP Release
Castpost	deprecated	12.08.01
CartoonNetwork	added	12.08.01
CBC	changed	14.10.03
CBSLocal	changed	14.08.01
CBC:Societe Radio Canada	added	14.07.01
CBC Sports	changed	14.10.03
CBC Sports Video	added	12.07.01
CBS	changed	14.10.03
CCcam	changed	10.09.01
CDDB	changed	12.06.01
CFOX	changed	12.04.01
CTV	changed	14.09.02
Channel5 Demand 5	changed	14.10.03
ChannelFilms	added	11.05.01
ChatON	added	12.09.01
Chatphone	deprecated	13.04.02
chikka	added	13.12.01
Cine21	added	12.03.01
Cinema Now	changed	14.07.01
Cisco TelePresence	changed	14.09.02
Citrix Online	added	12.03.01
clickplay	added	14.10.03
ClubBox	changed	12.03.01
CNLive	added	11.06.01
CNN	changed	14.10.03
Columbus	added	13.01.01
Comm	added	13.02.01
Comcast	changed	13.03.01
Command & Conquer 4: Tiberian Twilight	added	14.08.01
COOLSTREAMING	changed	14.02.01
CRACKLE	changed	14.08.01
Craftsy	added	14.04.01
Crashplan	changed	13.03.01
Crunchyroll	added	14.01.01
Crysis 2	added	12.07.01
CupTV	added	12.03.01
CwTv	added	11.10.01
Dacom	changed	12.12.01

Protocol	Action	LTIP Release
DailyMotion	changed	14.10.03
Dark Age of Camelot	changed	11.12.01
Age of Conan	changed	st
Daum	changed	14.07.01
Daum MyPeople	changed	14.04.01
Daum MyPeople Chat	changed	14.06.01
Daum MyPeople Voice	changed	14.06.01
Daum TV Pot	changed	13.11.01
DCERPC	changed	12.09.01
DEFIANCE Game	added	14.09.02
DELFI (Estonia)	changed	14.10.03
deposit files	changed	13.08.02
DHCPv6	added	12.05.01
DiDi VoIP	added	14.10.03
dishworld	added	14.08.01
Es5	deprecated	13.04.02
DirecTV	changed	14.10.03
DISH Network VOD	changed	13.09.01
DisneyMovies Anywhere	added	14.04.01
DNS	changed	12.06.01
Doom	deprecated	11.02.01
Dopool	changed	12.09.01
Dovetail	deprecated	11.02.01
Dragons: Rise of Berk	added	14.08.01
DroidVPN	added	14.05.01
Dropbox	changed	13.09.01
DropShots	changed	13.11.01
Dudu	changed	12.12.01
Disney Junior	changed	14.07.01
Disney Channel	changed	14.07.01
DisneyVideo	added	13.10.01
Disney XD	changed	14.07.01
Earthstation5	deprecated	13.04.01
eBay	changed	14.10.03
EBSi IPTV	changed	13.02.01
EBS	changed	14.07.01
eDonkey	changed	12.05.01
ebuddy	changed	13.02.01

Protocol	Action	LTIP Release
Einyplayer	added	10.04.01
Epix	added	13.11.01
ERR (Estonia)	added	14.08.01
ESPN	changed	14.09.02
ESPN3	added	11.11.01
ESPN FC	changed	14.10.03
ESPN Player	added	12.02.01
ESPNSTAR	changed	14.02.01
ESPNSTAR Video	added	12.07.01
EVault	added	13.12.01
Eve Online	changed	12.03.01
Evernote	added	12.12.01
EveryonTV	changed	12.03.01
Excalibur	deprecated	12.04.01
Exchange	changed	12.02.01
Explore3D	added	12.03.01
Explore 3D TV	changed	14.02.01
ExtMatrix	added	13.12.01
Eyespot	deprecated	11.02.01
eyeVio	added	12.11.01
EZPeer	changed	11.05.01
Ezzy	changed	12.06.01
f1rst	changed	14.09.02
Facebook	changed	14.08.01
Facebook Video	changed	14.04.01
Facebook Voice	changed	14.02.01
Facebook Pipe	changed	14.05.01
FaceTime	changed	13.10.01
Fancast	changed	13.09.01
Fast Secure VPN	added	14.08.01
FC2	added	14.04.01
FileGuri	changed	11.11.01
Fifa	added	14.07.01
Fishbone	added	13.06.02
Fetion	changed	12.06.01
Fetion File Transfer	changed	14.05.01
Fetion Web IM	added	10.12.01
Ficall	added	10.07.01

Protocol	Action	LTIP Release
FIFA 12	added	12.12.01
FIFA13	added	13.06.02
Fiji	added	12.04.01
FilePost	added	12.03.01
FileServe	added	12.05.01
FileSonic	added	12.06.01
Firefly	changed	11.02.01
FlashGet	changed	10.10.01
FlashVideo	changed	11.03.01
Flipboard	added	14.03.01
Flickme	added	11.12.01
Flickr	changed	14.06.01
Flipagram	changed	14.10.03
Fone2Call	added	11.02.01
Fonosip	added	11.10.01
FOX	changed	14.09.02
FOX Sports	changed	14.10.03
Freechal QTV	added	12.08.01
FriendsGoogle Talkter	changed	12.03.01
Fring	changed	14.09.02
Fring Voice	changed	14.02.01
FSecure Update	added	13.03.01
FTP	changed	14.06.01
Funcall	added	14.07.01
Funny Call	added	14.06.01
Funshion	changed	14.10.03
Foursquare	changed	14.01.01
GameFly Games Downloads	added	13.07.01
GameStop Games Downloads	added	13.07.01
Gadu Gadu	changed	14.06.01
GeeVee	changed	13.03.01
Giganews	changed	13.03.01
GigaTribe	changed	12.12.01
Gizmo Project Chat	changed	11.04.01
Glide	added	14.02.01
Global Agenda	added	11.06.01
Globaltv	changed	14.08.01
Gmail	changed	14.09.02

Protocol	Action	LTIP Release
Gnutella	changed	12.06.01
GoBoogy	deprecated	13.09.01
GodTube	changed	11.10.01
Gogoyoko	changed	11.10.01
GomTv	changed	13.10.01
Google	changed	14.10.03
Google+	deprecated	14.02.01
Google Data Compression Proxy	changed	14.04.01
Google Cloud Messaging	added	13.12.01
Google+ Hangout	changed	14.08.01
Google_Hangout AudioVideo	changed	14.09.02
Google Drive	changed	14.04.01
Google Earth	changed	13.12.01
Google Map	changed	14.07.01
Google Music	changed	14.02.01
Google Play	changed	14.03.01
GoogleProxy	changed	13.10.01
Google Talk	deprecated	14.01.01
Google Talk Data	deprecated	14.01.01
Google Talk Push Notification	deprecated	14.01.01
Google Talk Video	deprecated	14.01.01
Google Video	deprecated	14.04.01
Google Wave	deprecated	11.02.01
GomTV	changed	14.10.03
Gougou	added	11.02.01
Gplex	changed	14.05.01
Graboid	changed	11.05.01
Gree	added	11.12.01
Grindr	added	14.09.02
Grooveshark	changed	14.09.02
GTA: San Andreas	added	14.08.01
GTPv1	changed	10.05.01
HABBO	changed	14.09.02
Halavoice	changed	13.05.01
Hamachi	changed	12.04.01
HBOgo	changed	12.03.01
HD Video Call	deprecated	13.01.01
HeadCall	changed	14.01.01

Protocol	Action	LTIP Release
HEAVY	changed	14.09.02
Heroes of Newerth (HoN)	added	11.06.01
hi5	deprecated	14.01.01
Hike	added	13.11.01
HiNet	changed	14.02.01
Hola	changed	14.10.03
hookt	added	12.06.01
HotDisk	deprecated	13.08.02
Hotfile	added	10.11.01
Hotspot Shield	changed	14.05.01
HotTV	added	12.03.01
Hotmail	deprecated	13.07.01
HQ Stream	added	14.09.02
HTTP	changed	14.06.01
HTTP Dynamic Streaming (HDS)	changed	14.03.01
HTTP Live Streaming (HLS)	added	12.01.01
HTTP Proxy	changed	14.07.01
Hulkshare	added	12.03.01
Hulu	changed	14.09.02
Hulu Plus	changed	14.08.01
Hustler	added	14.04.01
IASO	added	13.09.01
IBackup	added	11.12.01
icflix	added	14.09.02
iCloud	changed	14.08.01
ICQ	changed	13.10.01
iFilm	changed	11.07.01
IGN	changed	14.10.03
iHeartRadio	changed	14.10.03
IKU	changed	12.04.01
illico.tv	added	14.06.01
IMBPlus	added	12.02.01
Imgur	added	13.10.01
Imo	changed	14.10.03
Ingress Game	changed	14.05.01
iodine	added	12.07.01
IPoverUDP	added	10.12.01
IMAPS	added	11.02.01

Protocol	Action	LTIP Release
Imdb	changed	14.08.01
iMesh	changed	11.04.01
Instagram	changed	14.06.01
IonairTV	changed	12.09.01
Ipla	added	13.03.01
IPv6 over GRE	added	10.09.01
IRC File Transfer (ircft)	deprecated	14.06.01
IRC	updated	14.06.01
iShoot	changed	13.10.01
iSkoot	added	10.04.01
iTel VOIP	changed	14.08.01
iTunes	changed	14.10.03
iTunes Media Download	changed	14.04.01
iTunes Streaming	changed	14.10.03
iTunes App Store	added	12.01.01
ITV	changed	14.08.01
iYOUCC	added	12.08.01
Jajah	changed	11.03.01
Jaman	changed	12.04.01
Jango	changed	10.12.01
Java Update	changed	14.01.01
JIbJab	changed	10.03.01
Jjang Live	changed	12.07.01
Jjcast	added	14.09.02
Joost	deprecated	12.08.01
jumpcut	deprecated	10.07.01
Jump TV	changed	12.05.01
Justhd.Tv	added	14.09.02
Justin.tv	deprecated	14.09.02
JustVoIP	deprecated	10.12.01
KakaoTalk	changed	14.08.01
Kaixin001	added	11.10.01
Kankan	changed	12.12.01
KakaoStory	changed	14.05.01
KakaoStory Video	changed	14.05.01
Kazaa	added	11.09.01
KBS Live	changed	14.01.01
KDDIGameNow	added	14.06.01

Protocol	Action	LTIP Release
KDDI Video Pass	added	14.03.01
Keek	changed	13.11.01
Kik	changed	14.03.01
Kpeer	added	13.07.01
KplayerLiveTV	deprecated	12.02.01
Korean Network Storage	changed	14.10.03
Korean Network Storage P2P	changed	14.08.01
Korean Shopping Mall	changed	14.07.01
Korean Social Commerce	changed	14.07.01
KuGou	changed	12.11.01
Kuwo Music	changed	14.05.01
KyLinTV	added	11.07.01
L2TP	changed	12.12.01
last.fm	changed	14.10.03
Lego Universe	deprecated	13.04.02
LeTV	changed	14.10.03
LG 3D World	changed	14.04.01
Libon	changed	14.05.01
line	changed	13.03.01
Line2	added	13.11.01
LiveVault	added	13.08.02
Line	changed	14.08.01
LINE Call	changed	14.08.01
line_chat	added	14.02.01
Linphone	added	14.08.01
PC: Lineage 2	changed	14.04.01
LDAP	changed	14.07.01
LineAppsChat	deprecated	13.03.01
Linkedin	changed	14.09.02
LiveProfile	added	12.01.01
Livestation	changed	12.01.01
Livestream	changed	14.10.03
LogMeIn	changed	14.04.01
Loop	added	14.08.01
LoveFilm	changed	12.04.01
LWAPP	added	10.12.01
M-GO	added	14.09.02
M+ Messenger	added	13.02.01

Protocol	Action	LTIP Release
Maddern NFL 12	changed	12.12.01
mail.ru	added	14.01.01
Major League Gaming	added	14.09.02
Manolito	changed	13.12.01
MarchMadnessLive	added	14.05.01
meinVZ	deprecated	11.03.01
MaxGO	added	13.05.01
MaxPanye3	added	12.12.01
MBC	changed	14.07.01
MBC Live	changed	14.07.01
MBC VOD	changed	14.07.01
MBCmini	deprecated	13.06.02
McAfee Update	changed	14.08.01
Mega	changed	14.03.01
MessageMe	added	13.05.01
MegaPorn	deprecated	12.08.01
MegaUpload	deprecated	12.08.01
MegaVideo	deprecated	12.08.01
MelOn	changed	13.12.01
MePlayer	added	12.02.01
MetaCafe	changed	13.01.01
Meevee TV	deprecated	13.02.01
Mgcamd	added	11.06.01
MGCP	changed	11.06.01
mgoon	changed	14.07.01
MiBox	added	14.08.01
Microsoft Browser Optimization Service	added	14.08.01
Milliyet	added	12.04.01
Miniclip Games	added	14.02.01
mioTV	added	14.06.01
mIRC	changed	11.02.01
Miro	changed	11.03.01
Microsoft ASF	changed	11.12.01
Microsoft SQL	changed	12.06.01
Microsoft Silverlight	added	13.11.01
Microsoft Update	changed	13.11.01
Microsoft Office 365	changed	14.03.01
Microsoft Office 365 Update	changed	14.03.01

Protocol	Action	LTIP Release
Minecraft	changed	13.11.01
Minus	changed	13.12.01
mIRC	changed	12.03.01
Mixi	added	11.11.01
MLB.TV	changed	14.09.02
Mnet	changed	14.05.01
MNTalk	added	11.05.01
Mocospace	changed	12.04.01
Mohawkvoice	added	12.11.01
move networks	changed	14.06.01
Mozy	added	10.04.01
MSN Games	changed	14.10.03
MSN Messenger	changed	12.06.01
MSN Pc2Phone	added	10.04.01
MSN Pc2Phone control	added	10.04.01
MSN Video	changed	14.09.02
MSNWorld	changed	14.03.01
Mtv	changed	14.10.03
Mtv Music	changed	14.06.01
Mumble	changed	13.02.01
Munja Atti	deprecated	11.06.01
Mun2	added	13.11.01
Musicbox	changed	13.03.01
Musicovery	added	13.01.01
Muve	changed	14.07.01
Muve Music	changed	13.12.01
MUZU TV	changed	13.12.01
My Pinoy TV	added	14.10.03
myCANAL	added	14.09.02
MYCat	added	12.03.01
Mynet	added	12.04.01
myspace	changed	14.04.01
Mytv	added	13.04.02
MyUbo	deprecated	11.02.01
NRK Norway	changed	14.03.01
Namipan	changed	11.06.01
napster	deprecated	13.04.02
Nate	changed	14.01.01

Protocol	Action	LTIP Release
NateOn	changed	14.06.01
NATE hoppin	changed	14.02.01
NATE hoppin Media Download	changed	14.06.01
NATE hoppin VOD	changed	14.06.01
NateOn Talk	deprecated	13.01.01
Nate Pann	added	12.06.01
Nate VOD	added	13.01.01
Naver	changed	14.07.01
Naver Cast	added	12.06.01
Naver Live Sports	changed	12.11.01
Naver Ndrive	changed	14.08.01
Naver Streaming Live	changed	14.10.03
NaverVOD	changed	13.05.01
NaverTalk	deprecated	13.02.01
Naver Streaming VOD	changed	14.05.01
Naver Streaming Music	changed	14.01.01
NBA League Pass	changed	14.07.01
NBC	changed	13.11.01
NBC Streaming	changed	14.10.03
NCAA	changed	14.08.01
NetBIOS	changed	12.09.01
Netflix via Xbox	deprecated	12.01.01 or older
Netflix Over Tivo	deprecated	12.01.01 or older
Netflix	changed	14.09.02
NETLOAD	changed	14.08.01
Netlog	added	12.12.01
Netmarble	added	14.04.01
NetMovies	added	12.02.01
NeuLion IPTV	added	12.03.01
New York Times	changed	14.10.03
Nexon Games Downloads	changed	14.07.01
NextGuide	changed	13.02.01
NexTV-F Remote View	added	14.07.01
NFL	changed	14.04.01
NFL Audio Pass	added	14.09.02
NFL Gamepass	changed	13.12.01
NFL Sunday Ticket	changed	14.10.03
NHL GAMECENTER LIVE	changed	14.10.03

Protocol	Action	LTIP Release
Nhlgamecenter	added	11.11.01
niconico	changed	14.02.01
Nicovideo	changed	13.04.02
nimbleTV	added	14.02.01
Nimbuzz	changed	14.05.01
Nimbuzz VoIP	changed	12.12.01
Ning	added	11.10.01
Nintendo Gaming	added	13.06.02
Nintendo DS	deprecated	13.07.01
Nintendo Wii Web Browsing	deprecated	13.07.01
Nintendo Wii Data	deprecated	13.07.01
Nintendo Wii Control	deprecated	13.07.01
Nintendo Wii	deprecated	13.07.01
Nintendotvii	added	13.04.02
Nintino	changed	11.09.01
Nlive TV	added	12.03.01
NNTP SSL	changed	13.07.01
NoPayload	added	14.04.01
Norton Online Backup	added	13.09.01
NTP	changed	14.05.01
Numberbook Whozcalling	added	14.05.01
Numberbook	deprecated	14.05.01
Nymgo	added	13.04.02
ObfuscatedVoip	changed	14.10.03
Octoshape	changed	13.01.01
Odnoklassniki	changed	12.02.01
Oist	added	13.12.01
olleh tv	changed	13.10.01
OlivePhone	changed	11.12.01
OnlineTV1	added	13.12.01
Onlive	changed	12.03.01
ooVoo Audio Video	changed	14.05.01
OOYALA	changed	13.08.02
Opera Mini	changed	14.06.01
OptimumTV	changed	14.03.01
OpenVPN	changed	14.06.01
Origin Games	changed	13.12.01
Orkut	added	10.08.01

Protocol	Action	LTIP Release
own3D TV	added	12.08.01
PC: Aion	added	13.08.02
PC: America's Army	added	12.04.01
PC: Anarchy	changed	14.09.02
PC: ArcheAge	added	14.09.02
PC: Asheron's Call	deprecated	12.10.01
PC: AQWorld Games	added	14.04.01
PC: Battlefield 3	deprecated	12.07.01
PC: Battlefield 1942	changed	12.10.01
PC: pcgames_blackandwhite	deprecated	12.10.01
PC: Blizzard Battle.net Games	changed	14.06.01
PC: Bloodline Champions	added	14.09.02
PC: Civilization V	added	13.02.01
PC: Call of Duty	deprecated	12.08.01
PC:Call Of Gods	added	14.03.01
PC: Cartoon Network	added	12.09.01
PC:Chivalry	added	13.09.01
PC: City of Heroes	changed	11.07.01
PC: Command and Conquer	changed	12.07.01
PC: Counter-Strike	changed	14.01.01
PC:Counter-Strike Condition Zero	added	12.12.01
PC:Counter-Strike Global Offensive	added	13.01.01
PC: Diablo III	changed	14.05.01
PC: Dofus	added	12.06.01
PC: Dota 2	changed	14.08.01
PC: Dragon Saga	added	14.09.02
PC:Drakensang	added	13.10.01
PC: Dungeons And Dragons Online	added	14.03.01
PC Games EdenEternal	added	14.03.01
PC Games Friendster	added	14.03.01
PC Games Pockiepirates	added	14.03.01
PC: Electronic Art Games	changed	13.12.01
PC: Elite Force	deprecated	12.10.01
PC: F16	deprecated	11.02.01
PC: F22	deprecated	11.02.01
PC:FIFA12	added	12.12.01
PC: Fighter Ace II	deprecated	12.10.01
PC: Elder Scrolls Online	added	14.05.01

Protocol	Action	LTIP Release
PC:Everquest	added	13.11.01
PC:Final Fantasy XIV	added	13.11.01
PC: FireFall	changed	14.09.02
PC: Fortress Classic	changed	13.12.01b
PC: GameSpy	changed	11.11.01
PC: Garry's Mod	added	12.09.01
PC: Granado Espada	changed	11.12.01
PC: GUILDWARS 2	changed	14.08.01
PC: Hearthstone	changed	14.06.01
PC: Heroes of the Storm	added	14.08.01
PC: Heretic	deprecated	11.02.01
PC: Hexan	deprecated	11.02.01
PC: Kali	deprecated	12.12.01
PC: League of Legends	added	12.07.01
PC:Left4Dead2	added	13.03.01
PC: MapleStory	changed	11.05.01
PC: maxpayne3 game	added	12.12.01
PC: Minecraft	added	11.09.01
PC: Motorhead	deprecated	11.02.01
PC: Need for Speed	changed	11.06.01
PC:Neverwinter	added	13.09.01
PC: Nosgoth	added	14.09.02
PC: Origin	changed	13.12.01
PC: Path Of Exile	added	14.01.01
PC: PC: Pogo Games	added	14.02.01
PC: Point Blank	added	12.06.01
PC: Quake	deprecated	12.12.01
PC: Quake 3	deprecated	11.02.01
PC: Ragnarok2	added	14.09.02
PC: RAIDERZ	added	14.01.01
PC: Ravaged Zombie Apocalypse	added	14.01.01
PC: Realm Of The Mad God	changed	14.09.02
PC: Requiem Memento Mori	added	14.09.02
PC: RIFT	changed	14.09.02
PC: ROSE Online	added	14.09.02
PC: Runescape	changed	14.08.01
PC: SecondLife	changed	12.01.01
PC: Soldier of Fortune	deprecated	12.10.01

Protocol	Action	LTIP Release
PC: Spiral Knights	added	11.09.01
PC: Star craft 2	changed	14.13.01
PC: Star Wars The Old Republic	added	12.09.01
PC: Tantra	changed	13.01.01
PC: Team Fortress	changed	14.01.01
PC:Tera	changed	14.08.01
PC: Terraria	changed	14.08.01
PC:The Lord of the Rings Online	changed	14.08.01
PC: The Secret World	added	14.08.01
PC: TorchLight II	added	14.01.01
PC:Trove	added	14.09.02
PC: Unreal Tournament 3	changed	14.01.01
PC: Unturned	added	14.09.02
PC: Valve's Steam Download	changed	13.12.01
PC: Valve's Steam Service	changed	14.08.01
PC: Valve's Steam Service Control	deprecated	14.01.01
PC: Wargaming.net Games	added	14.02.01
PC:Wartune	added	14.03.01
PC: West Wood Games	deprecated	11.02.01
PC: WorldOfTanks	changed	14.09.02
PC: World of Warcraft	changed	13.11.01
PC: Warframe	added	13.11.01
PC: WildStar	added	14.07.01
PC: WorldOfWarplanes	added	14.02.01
PC:XAOC	added	13.11.01
Paltalk	changed	12.10.01
pando	changed	10.12.01
PANDORA Radio	changed	14.10.03
PANDORA TV	changed	14.01.01
Paranplayy	added	12.07.01
Path	changed	14.05.01
Paypal	added	12.12.01
Pcgames_planetside2	changed	13.05.01
Pcgames_borderlands2	added	13.05.01
Pcgames_footballmanager2013	added	13.05.01
PcGamesOriginDownload	added	13.06.02
Perfect Dark	changed	10.04.01
Pdproxy	added	13.04.02

Protocol	Action	LTIP Release
Picasa	changed	12.08.01
Pinger	added	14.02.01
Pinterest	changed	14.07.01
photobucket	changed	14.05.01
Ping Chat	deprecated	14.04.01
Planetside2	added	13.03.01
Playstation 2	deprecated	11.02.01
PlayStation Network	changed	14.04.01
Plex	added	13.03.01
Poco	changed	11.07.01
pooq	changed	14.07.01
POP3S	added	11.02.01
PPFilm	changed	12.04.01
PPLive	changed	14.10.03
PPMule	changed	12.04.01
PPStream	changed	13.11.01
PPS.tv	changed	14.10.03
PPVOD	changed	10.06.01
Pronto Dialer	changed	13.04.02
Pronto PC Dialer	added	10.12.01
PrivateTunnel	added	13.04.02
PS3: Diablo3	added	14.01.01
PS3: Gundam Extreme	added	14.06.01
PS3: Other	changed	14.02.01
PS3: Unclassified	changed	11.12.01
PS4 Games Download	added	14.09.02
PSP	added	12.01.01
Puffin Browser	changed	14.06.01
Puffin Academy	added	14.06.01
PureVPN	added	14.07.01
PutLocker	changed	14.03.01
Puzzle and Dragons	added	14.08.01
Quickflix	changed	14.02.01
Qik	changed	12.04.01
QQLive	changed	14.10.03
QQ Tornado	added	10.04.01
Qriocity	changed	14.03.01
QUIC	changed	14.03.01

Protocol	Action	LTIP Release
QVOD	changed	14.05.01
Ragnarok	changed	12.01.01
RapidShare	changed	10.04.01
Rawflow	deprecated	12.08.01
Rdio	changed	13.11.01
Real Caller ID	changed	14.06.01
Real Player	changed	12.06.01
Rebtel	added	12.08.01
Recool	deprecated	10.06.01
Red Bull TV	changed	14.10.03
redboxinstant	changed	14.03.01
Regram	added	13.12.01
Relay GIF Messenger	added	14.10.03
Rhapsody	changed	14.04.01
Ringomax	changed	12.01.01
Riverbed SteelHead	added	14.09.02
Rogers on Demand	changed	11.09.01
pcgames_roguespear	deprecated	12.10.01
RTEPlayer	added	13.02.01
RTMFP	added	11.02.01
RTMP	changed	13.12.01
RTMPE	changed	11.11.01
RTSP	changed	10.12.01
Runescape	changed	11.07.01
RuTube	changed	12.01.01
Salesforce.com	changed	14.09.02
Sam Knows	changed	14.04.01
SamsunVideoHub	added	13.10.01
Sap	added	14.08.01
SapoMessenger	changed	11.05.01
SAPO Video	changed	14.06.01
SayHi	changed	14.10.03
SBS	added	11.10.01
SBS Gorealra	changed	14.10.03
Scanner Radio	changed	13.11.01
Seed	changed	13.07.01
Seesaw	deprecated	12.08.01
Share UDP	changed	13.09.01

Protocol	Action	LTIP Release
SHAZAM	added	13.08.02
SHOUTcast	changed	12.08.01
Showtime Anytime	changed	14.05.01
Sina UC	changed	14.05.01
Sina Video	changed	14.10.03
SIP	changed	14.10.03
SIP Data	changed	14.10.03
SIPLink	changed	12.06.01
SiriusXM	changed	14.08.01
Skeed	added	10.04.01
Skout	added	13.08.02
sky	changed	14.06.01
Sky Anytime+	added	12.06.01
Sky Anytime+	deprecated	14.02.01
SkyGo	deprecated	14.01.01
Sky Go	changed	14.06.01
Skynowtv	added	12.12.01
Sky On Demand	changed	14.05.01
Skype	changed	14.04.01
Skype PC to PC	changed	14.10.03
Skyplayer	changed	11.06.01
Skyrock	changed	14.02.01
SkyStore	added	14.02.01
SlackerRadio	changed	13.11.01
SMTP	changed	11.06.01
Snapchat	changed	14.06.01
Snapfish	changed	13.11.01
SNMP	changed	12.08.01
Soapbox	deprecated	10.08.01
Socialcam	added	14.07.01
SocialTalk	added	11.09.01
SOCKS v5	changed	14.04.01
Socl	added	12.11.01
Sonica	added	11.06.01
SopCast	changed	13.10.01
Soribada	changed	13.07.01
SoulSeek	changed	12.05.01
SoundCloud	changed	14.10.03

Protocol	Action	LTIP Release
SoundHound	changed	14.06.01
SPB TV	added	12.02.01
SPDY	changed	13.04.02
SpeedVoip	changed	11.06.01
Speedtest	changed	14.10.03
Sportsnet Now	added	14.07.01
Spotify	changed	14.09.02
SSL	changed	13.04.02
SSL VPN	changed	10.12.01
SSL VPN Over UDP	changed	14.06.01
Stage2Data	added	13.08.02
Star Wars Battlefront	deprecated	11.02.01
Starz Play	added	14.10.03
StealthNet	added	11.11.01
STOMP	added	14.09.02
StreamOn	added	13.11.01
studiVZ	deprecated	11.03.01
STUN	changed	13.11.01
Supercell Games	added	14.05.01
Supercell Games:Boom Beach	added	14.09.02
SuperVPN	added	14.10.03
Surfeasy VPN	added	14.07.01
Symantec	changed	11.04.01
Syphon Filter	deprecated	11.02.01
Shutterfly	changed	14.05.01
SvtSweden	added	13.10.01
T freemium	changed	14.04.01
Tachy	added	11.05.01
Tagged	changed	14.09.02
TalkaTone	added	13.12.01
Talkray	added	14.10.03
Tango	changed	13.11.01
Tango Voice	changed	14.06.01
Taobao	added	14.02.01
TargetTicket	changed	13.11.01
TBS	changed	11.05.01
T cloud	added	12.07.01
TeamSpeak	changed	13.11.01

Protocol	Action	LTIP Release
TeamViewer	changed	13.11.01
Telefone	changed	11.05.01
Telegram	added	14.05.01
Telemundo	added	14.03.01
Telly	added	14.02.01
Tencent	changed	14.07.01
TencentQQ	changed	14.08.01
Teredo	changed	11.06.01
Textplus	changed	14.07.01
TFTP	changed	11.02.01
The CW TV	changed	14.10.03
Thunder	changed	14.04.01
Time Warner Cable	changed	13.11.01
Tinder	added	14.09.02
TinyChat	changed	13.11.01
Titanfall	added	14.04.01
TNT TV	changed	10.07.01
tokbox	added	14.08.01
Tony Hawk Proskater 3	deprecated	11.02.01
Tor	changed	14.07.01
Torrent Relay	deprecated	13.04.02
Totodisk	changed	10.10.01
Touch	added	14.04.01
TouchToTalk	changed	14.06.01
Trend Micro AntiVirus Update	changed	14.08.01
Tribair	changed	13.10.01
Tribler	changed	14.07.01
Trion Worlds Games Downloads	changed	13.08.02
truecaller	changed	14.04.01
Truphone	added	11.02.01
TruTV	added	11.06.01
T store	changed	14.07.01
T store Apps	changed	14.09.02
T store VOD	changed	14.03.01
TT talk	added	11.09.01
Tubi TV	added	14.09.02
tudou	changed	14.10.03
tuenti	changed	14.04.01

Protocol	Action	LTIP Release
TU Go	added	14.08.01
tumblr	changed	14.10.03
TUMe	changed	13.05.01
TuneIn Radio	changed	14.10.03
Tunngle	added	14.08.01
Turkcelltv	added	13.01.01
TV Catchup	added	11.05.01
TV3Sweden	added	13.10.01
TV4Sweden	added	13.10.01
Tudou	changed	12.11.01
tving	changed	14.04.01
TV2 Norway	added	13.11.01
TV3Norway	added	13.11.01
TvGuide	added	12.11.01
Tvnplayer	added	13.03.01
TVOS	changed	13.05.01
TVUPlayer	changed	10.06.01
Tvants	deprecated	11.02.01
Tvking	deprecated	11.02.01
Twitter	changed	14.01.01
Twitch	changed	14.09.02
Ucloud	added	11.09.01
Uglive	added	10.06.01
UFC TV	added	13.11.01
Ulive	added	13.11.01
Ultima	changed	13.10.01
UniqueFone	deprecated	10.04.01
Univision	changed	14.08.01
Uploaded	added	12.04.01
Uploading	added	12.04.01
U+ Box	changed	12.11.01
Unreal Tournament 3	changed	11.05.01
UpLynk	added	13.10.01
Ustream	changed	14.10.03
Ustream	changed	14.01.01
UUSee	changed	12.04.01
Valve's Steam Service	changed	12.02.01
Valve's Steam Service Download	added	11.12.01

Protocol	Action	LTIP Release
Vagaa	changed	10.06.01
VBUZZER	changed	14.02.01
Veetle	changed	14.10.03
Ventrilo	changed	13.11.01
Veoh	changed	11.02.01
Vevo	changed	14.06.01
VDONext	changed	11.06.01
VGO Live	changed	11.11.01
VGTV (Norway)	changed	14.08.01
Viber	changed	14.05.01
Viber Call	changed	14.10.03
Viber Out	deprecated	14.05.01
Viddler	changed	11.07.01
VideoCrawler	deprecated	12.08.01
VideoJug	added	11.05.01
VideoInsight	changed	11.02.01
Vidmax	added	11.05.01
vimeo	changed	14.08.01
Viber	changed	14.08.01
Viber AWS	added	14.08.01
Vine	changed	14.08.01
Vippie	changed	14.07.01
Vippie PC	added	10.10.01
Virgin TV Anywhere	added	14.03.01
Vkontakte	changed	14.06.01
Vodafone Femto	added	12.06.01
Voga 360	added	14.05.01
Vongo	deprecated	11.01.01
Voxer	changed	13.10.01
Voxofon	added	11.11.01
Voxox	changed	14.09.02
VoxValley	changed	12.02.01
VPN Express	changed	14.07.01
vTuner	added	12.05.01
Vudu	changed	14.03.01
VykeMobile	added	11.03.01
Vyke PC	changed	11.11.01
Wall Street Journal	changed	14.10.03

Protocol	Action	LTIP Release
Wasalny	added	13.12.01
WATCH DOGS	added	14.08.01
WATCHESPN	changed	12.03.01
Waste	changed	12.12.01
Waze	added	13.11.01
WB Archive Instant	added	13.08.02
We7	added	12.01.01
WealthTV	changed	12.04.01
WebProxy	added	14.09.02
WebRTC	added	14.02.01
WeChat	changed	14.08.01
Wechat Upload	changed	14.09.02
wechat_voice	changed	14.02.01
Wechat Web	changed	14.10.03
Wedisk Streaming	changed	14.01.01
Wedisk	deprecated	12.08.015
Weibo	added	13.12.01
WhatsApp	changed	14.05.01
whozcalling	deprecated	14.05.01
wicall	added	13.11.01
Wikimedia	added	14.03.01
WiMPNorway	added	13.11.01
WindowsAppStore	added	14.01.01
Windows Live	changed	14.09.02
Windows Media Player	changed	13.07.01
Windows Live Messenger	changed	14.02.01
OneDrive	changed	14.07.01
Windows Live	changed	13.10.01
Witv	added	12.03.01
Woopie	added	13.0.01
Woot	added	14.08.01
WOWtv	changed	14.03.01
WTLS	added	13.12.01
WTV	added	11.04.01
Wuaki.tv	added	13.09.01
WWE	changed	14.08.01
Yelp	changed	14.08.01
Yupptv	changed	14.10.03

Protocol	Action	LTIP Release
Xbox	changed	13.11.01
XboxOne	added	13.11.01
Xbox Call Of Duty Black Ops 2	added	13.02.01
Xbox Games	changed	13.12.01
Xbox: Halo 4	added	13.02.01
Xbox: Halo Reach	added	13.02.01
Xbox LIVE	added	13.12.01
Xbox LIVE Music	changed	13.12.01
Xbox LIVE Video	changed	14.08.01
XBOX LIVE Video Marketplace	changed	14.01.01
Xbox: NBA 2K13	added	13.02.01
Xbox One Games Download	added	14.04.01
Halo 4	added	13.02.01
Xfinity Streampix	added	12.04.01
XfinityTV	changed	14.05.01
Xfinity TV Go	changed	14.06.01
Yahoo	changed	14.08.01
Yahoo Games	changed	12.04.01
Yahoo Mail	changed	14.07.01
YahooMessenger	added	14.10.03
Yahoo Video	changed	14.06.01
Yandex Disk	changed	14.03.01
Yandex Map	added	14.10.03
youku	changed	14.05.01
Yourfreedom	added	11.12.01
YOUR-FREEDOM	added	14.09.02
Yousendit	added	13.11.01
YouTube	changed	14.09.02
YouTube HD	changed	14.10.03
YouTube (youtube_sd)	deprecated	14.06.01
YouTube Live	changed	14.08.01
YouTube Web	changed	14.02.01
YTN Live TV	changed	13.05.01
Yuwie	added	11.02.01
Zattoo	changed	11.06.01
Zazeen	added	14.08.01
Zello	added	14.04.01
Zenmate Proxy	added	14.08.01

Protocol	Action	LTIP Release
Zentia	added	11.06.01
zSHARE	changed	13.07.01
Zimbra	changed	11.09.01
ZimTV	changed	13.01.01
ZipShare	added	14.04.01
Zoosk	added	13.08.02
Zultrax	changed	12.11.01
Zune	deprecated	13.06.02
Zynga	changed	12.06.01
Zynga: FarmVille 2	added	13.07.01

1.7 Caveats

Caveats are known issues.

PTSD does not recover from the *reloading state* after an upgrade

Caveat	Description
Summary	The `show system service` command indicates that the PTSD remains in the *reloading state* after LTIP is successfully upgraded.
Ticket ID	reqst00440846, reqst00440967
Identified in	LTIP 14.07.01
Impact	PTS regular services and reporting will be affected.
Workaround	Restart PTSD using the `restart service ptsd` command.

Minutes by protocol are not accurate for Skype PC to PC

Caveat	Description
Summary	Minutes by protocol are not accurate for Skype PC to PC. **Note** Due to recent version changes for Skype PC to PC protocol, the call time is extracted from flows which are used for non VoIP sessions as well. Both VoIP and non VoIP sessions use the same network flows and are of an encrypted nature. This is the apparent cause of this issue.
Ticket ID	reqst00439122
Identified in	LTIP 14.05.01
Impact	None
Workaround	None

Some Cisco ISAKMP traffic is blocked

Caveat	Description
Summary	When HotSpot Shield is blocked, some Cisco ISAKMP traffic is also blocked if it comes from the same NAT IP as the Hotspot Shield traffic.
Ticket ID	reqst00431619
Identified in	LTIP 13.04.01
Impact	Some Cisco ISAKMP traffic is blocked.
Workaround	None

Youku and Toudou services recognition

Caveat	Description
Summary	Youku and Toudou services have merged and a small amount of youku traffic is seen while accessing Toudou service and vice versa.
Ticket ID	reqst00416515
Identified in	LTIP 13.12.01
Impact	A small amount of Youku traffic is seen along with Toudou service and vice versa.
Workaround	None.

Tribair - no recognition for iPhone

Caveat	Description
Summary	Tribair can only be identified if it was sent or received by Android phones.
Ticket ID	reqst00373957
Identified in	LTIP 13.09.01
Impact	Reports will only show Tribair traffic sent and received via Android phones; traffic sent via iPhone will be reported as IAX2.
Workaround	None.

PTS might stop inspecting traffic under high SIP traffic

Caveat	Description
Summary	PTS might stop inspecting traffic if LTIP 13.04.XX and higher package is downgraded to any LTIP version between 12.12.XX to 13.03.XX under high SIP traffic.
Ticket ID	Not Applicable
Identified in	LTIP 13.04.01
Impact	The PTS system might be interrupted.

Workaround	Stop PTSD before downgrading the LTIP, and start it after the downgrade is complete. Stop and start commands are:
	`0004.svptsd.sh stop`
	`0004.svptsd.sh start`

Missing MBC VOD traffic on RTMP

Caveat	Description
Summary	MBC VOD is an online streaming video service. The first flow from MBC VOD is recognized as RTMP, and later flows are recognized as MBC VOD.
Ticket ID	reqst00381016
Identified in	LTIP 13.04.02
Impact	None
Workaround	None

Error in counting picture messages transmitted from Windows phone

Caveat	Description
Summary	SandScript counts twice for every picture messages transmitted from a Windows phone. This behavior is specific to Windows phones only.
Ticket ID	reqst00386951
Identified in	LTIP 13.04.02
Impact	SandScript action Flow.Application.IM.Tx.MultimediaMessages increases twice instead of once for every single picture message transmitted. Therefore, the measurements for multimedia messages vary the actual value.
Workaround	None

Messages received on an Android phone are considered as messages transmitted

Caveat	Description
Summary	When text messages are sent from an Android phone to a Windows phone, the text messages received on an Android phone are considered as messages transmitted. Hence, SandScript action Flow.Application.IM.Tx.Messages is incremented instead of Flow.Application.IM.Rx.Messages.
Ticket ID	reqst00386952
Identified in	LTIP 13.04.02
Impact	Measurement for these messages varies the actual value as the received text messages are counted as transmitted messages.
Workaround	None

Incorrect identity for myTV RTSP or RTP traffic flows

Caveat	Description
Summary	Traffic flows for myTV RTSP or RTP are recognized as RTSP data traffic.
Ticket ID	• reqst00386406 • reqst00386404
Identified in	LTIP 13.04.02

Caveat	Description
Impact	For these flows to be recognized as myTV RTSP or RTP, some changes are required in PTS.
Workaround	None

Error message on protocol upgrade or downgrade

Caveat	Description
Summary	During the downgrade or upgrade of LTIP, an error message appears "Protocol already installed'. This error does not cause any protocol recognition discrepancies.
Ticket ID	• reqst00381046 • reqst00386404
Identified in	LTIP 13.02.01
Impact	None
Workaround	None

Upgrade or downgrade : No stats bin allocated error

Caveat	Description

Summary	In a scenario where PTS is loaded with LTIP 12.12 and PTSM is restarted, and LTIP is then downgraded to 12.10 or earlier, this svlog error message appears:
	
	`An unexpected error has occurred:`
	`ProcessAction: No stats bin allocated for`
	`transport mcd code.`
	
	This error message does not affect traffic recognition or reporting, and this error does not appear during normal upgrades or downgrades.

Ticket ID	• reqst00372042 • reqst00385645
Identified in	LTIP 12.11.01
Impact	None
Workaround	None

Network Demographics Server does not report about Malformed DNS

Caveat	Description
Summary	Support and Report functions for Malformed DNS are stopped from LTIP 12.08.01 onward.
Ticket ID	reqst00356009
Identified in	LTIP 12.08.01
Impact	Malformed DNS queries pass through the PTS during reporting.
Workaround	Using LTIP 12.07 or earlier will not have this issue.

ICQ flows from ICQ server are recognized as HTTP

Caveat	Description
Summary	ICQ Messenger uses these methods for sending files between clients: • Direct transfer—Transfers files only when both the clients are online. • Offline file transfer —Uploads file to a server and sends a notification link to the receiving client when it comes online.
Ticket ID	reqst00327035
Identified in	LTIP 12.05.01
Impact	In ICQ offline file transfer mode, the receiver download flows are marked as HTTP.
Workaround	None

Ficall timeout value is 20 seconds by default

Caveat	Description
Summary	Ficall traffic is identified only when calls are made within 20 seconds after logging into the application. The timeout value is configurable.
Ticket ID	reqst00236266
Identified in	LTIP 10.07.01
Impact	Ficall is not identified if the call time exceeds the default timeout value (20 seconds).

Workaround	In order to extend the initial timeout for Ficall traffic, set this variable in
	`/usr/local/sandvine/etc/rc.conf`
	on PTS:
	`ficallControlFlowTimeout=x`
	Where x is the required timeout value in seconds.

Ficall traffic is identified for two hours only as a default behavior

Caveat	Description
Summary	Ficall traffic is identified for two hours only by default; this traffic identification period is configurable.
Ticket ID	reqst00236266
Identified in	LTIP 10.07.01
Impact	Traffic for Ficall (audio or video) is not identified after two hours.

Workaround	In order to extend the initial timeout for Ficall, set this variable in
	`/usr/local/sandvine/etc/rc.conf`
	on PTS:
	`ficallFlowTimeout=x`
	Where x is required timeout value in seconds.

SandScript action attempts to apply heavy shaping or blocking to BitTorrent traffic degrade BitTorrent recognition

Caveat	Description
Summary	SandScript actions attempt to shape or block BitTorrent traffic causing the flows to adapt such that the recognition of BitTorrent degrades. If this happens, the PTS does not apply shape or block SandScript actions to BitTorrent flows.
Ticket ID	reqst00213567
Identified in	• PTS 5.51.11 • PTS 5.40.11
Impact	Decrease in the amount of BitTorrent traffic reported due the shape or block SandScript actions, and an approximately equal increase in the Other TCP traffic.
Workaround	None

Rapidly reloading SandScripts or rapidly changing LTIP can lead to reload failures

Caveat	Description
Summary	Loading LTIP can fail under these conditions: • Changing LTIP multiple times over a short interval (10 minutes). • Rapidly reloading PTS with a SandScript action that includes user-defined regexes (regular expressions) or disabled protocols. The error message is: <pre>Feb 23 9:22:40 PTS14521-3 ptsd[2-4,7,8,10]: svlog01;0000006467;0000006348:Failed to load protocol library `/usr/local/sandvine/lib/protocols/libptsd_protocols-9.09.0132.so`</pre>
Ticket ID	Not Applicable
Identified in	PTS 5.60.00
Impact	This affects the PTS14000, as the memory disk space to store the libraries is limited. When a protocol library is switched, the older library is held open until all of the old flows using the library have finished inspection. If the protocol library is swapped several times, and older flows live for a long period of time, then the disk space can fill up.
Workaround	Wait for a period of time to let the older flows expire. If possible, remove the SandScript action that affects protocol recognition to stop the protocol libraries from swapping.

No differentiation between Skype PC to PC calls and Skype chat

Caveat	Description
Summary	The PTS is unable to differentiate Skype PC to PC calls and Skype online chat functionality.
Ticket ID	reqst00189803
Identified in	PTS 5.40.10
Impact	All Skype traffic appears as Skype in reports.
Workaround	None

Certain flows may not be diverted completely

Caveat	Description
Summary	When flows are diverted based on protocol, the first packet of the flow might not be diverted for complex protocols like, Ares UDP and Thunder UDP. This occurs when recognition of these protocols requires two or more packets to be inspected by the PTS.
Ticket ID	reqst00184448
Identified in	PTS 5.40.08
Impact	Protocol-based divert function is incomplete.
Workaround	None

Consecutive protocol upgrade failure

Caveat	Description
Summary	Protocol pack upgrade may fail after consecutive upgrades. An error message is displayed in the `/var/log/svlog` file indicating a failure to load the shared library file and causes failure to copy files. This causes the PTSD to enter a reloading state.
Ticket ID	reqst00424032
Identified in	Probe testing
Impact	Protocols upgrade failure and loss of recognition.
Workaround	Ensure installation procedure is followed.

1.8 Resolved Issues

This is the resolved issue in this release.

Description	Identified in:	Issue
Weak signatures were identified in HTTP and SSL refiners, which could cause false positives. This issue is now resolved.	14.09.01	reqst00446398, reqst00446404, reqst00446403, reqst00446396, reqst00446402

1.9 Compatibility Matrix

The functionality introduced in this LTIP release is available only on these PTS releases:

PTS Release Number	Loadable Traffic Identification Package
6.45.01	Full Support
6.45.00	Full Support
6.40.00_1	Full Support
6.40.00	Full Support

PTS Release Number	Loadable Traffic Identification Package
6.30.04	Full Support
6.30.03	Full Support
6.30.02	Full Support
6.30.01	Full Support
6.30.00	Full Support
6.20.08_1	Full Support
6.20.08	Full Support
6.20.07	Full Support
6.20.06_2	Full Support
6.20.06_1	Full Support
6.20.06	Full Support
6.20.05	Full Support
6.20.04	Full Support
6.20.03	Full Support
6.20.02	Full Support
6.20.01	Full Support
6.20.00	Full Support
6.15.05	Full Support
6.15.04	Full Support
6.15.03	Full Support
6.15.02	Full Support
6.15.01	Full Support
6.15.00_2	Full Support
6.15.00	Full Support
6.10.00	Full Support
6.00.00_2	Full Support
6.00.00_1	Full Support
6.00.00	Full Support
5.60.10	Not Supported
5.60.11_2	Not Supported
5.60.11	Not Supported
5.60.09	Not Supported
5.60.08_2	Not Supported
5.60.08_1	Not Supported
5.60.08	Not Supported
5.60.07	Not Supported

1.10 Supported Client Devices

The PTS performs traffic inspection to determine the types of client devices in use. Support for these client devices commenced with this LTIP release.

- AirTies IPTV
- Bada Device
- Bravia
- DaumTV
- Google TV
- iPhone
- Kibot
- LG Uplus IPTV
- Nook
- PSP
- PlayStation 3
- Roku
- Sharp TV
- Sky+HD box
- Sony Digital TV
- SmartHomePad
- TouchPad
- WD Media Player
- Windows Mobile Device
- Xbox One

- Android Device
- BlackBerry Device
- Chromecast
- DirecTV
- iOS Device
- iPod
- Kobo Reader
- Macintosh
- PC
- Panasonic TV
- PlayStation 4
- Samsung Galaxy Tab
- Sharp BluRay
- Sony BluRay
- Syabas PopBox
- SmartHomePhone
- Unknown
- Wii
- Windows RT Device
- YouView

- Apple TV
- Boxee
- DSi
- Dune HD
- iPad
- Kindle
- LG Smart TV
- Netgear Streaming Player
- PS Vita
- PlayBook
- Polycom VoIP
- Samsung TV
- SKB IPTV
- Sony Device
- Symbian Device
- TiVo
- Vizio
- Wii U
- Xbox
- webOS Device

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