

Application List



Exinda ExOS Version 6.3.13
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Using this guide

Before using this guide, become familiar with the Exinda documentation system.

- ["Exinda documentation conventions" on page 2](#)
- ["Notes, Tips, Examples, and Cautions" on page 3](#)

Exinda documentation conventions

The Exinda documentation uses the following conventions in the documentation.

Graphical interface conventions

The following is a summary of the conventions used for graphic interfaces such as those in the Exinda Web UI and the Central Management Technical Preview UI.

Convention	Definition
bold	Interface element such as buttons or menus. For example: Select the Enable checkbox.
<i>Italics</i>	Reference to other documents. For example: Refer to the <i>Exinda Application List</i> .
>	Separates navigation elements. For example: Select File > Save .

Command line conventions

The following is a summary of the syntax used for the CLI commands.

```
(config)# command <user input> keyword {list|of|options|to|select|from} [optional parameter]
```

Convention	Definition
monospace text	Command line text or file names
< <i>courier italics</i> >	Arguments for which you use values appropriate to your environment.
courier bold	Commands and keywords that you enter exactly as shown.
[x]	Enclose an optional keyword or argument.
{x}	Enclose a required element, such as a keyword or argument.
	Separates choices within an optional or required element.
[x {y z}]	Braces and vertical lines (pipes) within square brackets indicate a required choice within an optional element.
command with many parameters that wrap onto two lines in the documentation	Underlined CLI commands may wrap on the page, but should be entered as a single line.

Notes, Tips, Examples, and Cautions

Throughout the manual the following text styles are used to highlight important points:

- **Notes** include useful features, important issues. They are identified by a light blue background.

Note Note text

- **Tips** include hints and shortcuts. They are identified by a light blue box.

Tip Tip text

- **Examples** are presented throughout the manual for deeper understanding of specific concepts. Examples are identified by a light gray background.

Example

Text

- **Cautions** and warnings that can cause damage to the device are included when necessary, and are highlighted in yellow.

Caution Caution text

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Chapter 1: Configuring application objects

Application Objects are used to represent applications for monitoring and optimization. They are used to define applications that run over the network and are made up of TCP/UDP port numbers/ranges and layer 7 signatures. A Network Object can also be specified which can be used to tie an Application to a specific IP address/subnet. Application Objects can also be grouped together to form Application Groups.

Add a new application

Applications are used to define applications that run over the network, and are made up of TCP/UDP port numbers and ranges and layer 7 signatures. For example the HTTP application will match any traffic over TCP port 80 OR any traffic that matches the inbuilt HTTP Layer 7 signature.

A Network Object can also be specified to tie an Application to a specific IP address/subnet. Network Objects can only be combined with TCP/UDP port numbers/ranges, not with Layer 7 signatures, and use AND in the query to create a match. An *external* Network Object is matched as external, and an *internal* Network Object is matched as internal. If a TCP/UDP port number/range is specified, it is always matched against the host matching the network object.

There are hundreds of predefined Applications built into the Exinda appliance. Add any applications you want to monitor that are not in the list.

1. Click **Objects > Applications**.
2. On the **Applications** tab, in the Add New Application area type a name for the new application.
3. Select the **Network Object** or **L7 Signature** for the application.

Network Objects and Layer 7 Signatures are mutually exclusive. Only one can be selected.

citrix	application	Allows you to define an Application Object based on a published Citrix application name.
	priority ^	Allows you to define an Application Object based on a published Citrix priority. Citrix priorities are 0=High, 1=Medium, 2=Low, 3=Background. The Citrix priority detection will only work if Citrix is running without session-reliability, over TCP port 1494.
	user	Allows you to define an Application Object based on the user running the Citrix published application.

flash	host	Allows you to define an Application Object based on the 'host' field in the HTTP header (where flash is running over http).											
http	content_type	Allows you to define an Application Object based on the 'content-type' field in the HTTP header.											
	file	Allows you to define an Application Object based on the filename requested in the HTTP URL.											
	host	Allows you to define an Application Object based on the 'host' field in the HTTP header.											
	method	Allows you to define an Application Object based on the HTTP method (e.g. GET PUT HEAD DELETE).											
	user_agent	Allows you to define an Application Object based on the 'user-agent' field in the HTTP header.											
	advanced	<p>Define custom criteria with the following syntax:</p> <ul style="list-style-type: none"> ■ A string literal is enclosed in quotes ("). ■ Internal quotes can be escaped with the backslash (\") character. ■ A backslash can be included in the string by escaping it with another backslash (\\). ■ Keywords are bare (<code>common_name</code>) with no quotes. ■ Keywords are bare (<code>host</code>) with no quotes. ■ Grouping is supporting using parenthesis ■ Operators supported are <code>or</code> and <code>and</code> <code>and</code> has higher precedence than <code>or</code> ■ The comparison operators that are available are: <table border="1"> <thead> <tr> <th>Description</th> <th>Syntax</th> <th>Example</th> </tr> </thead> <tbody> <tr> <td>equals</td> <td><code>= host</code></td> <td><code>= "example.com"</code></td> </tr> <tr> <td>does not equal</td> <td><code>!= host</code></td> <td><code>!= "example.com"</code></td> </tr> <tr> <td>contains substring</td> <td><code>=% host</code></td> <td><code>=% "example.com"</code></td> </tr> </tbody> </table>	Description	Syntax	Example	equals	<code>= host</code>	<code>= "example.com"</code>	does not equal	<code>!= host</code>	<code>!= "example.com"</code>	contains substring	<code>=% host</code>
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ssl	<code>common_name</code>	Allows you to define an Application Object based on the 'common name' field in the SSL certificate.												
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	<code>spdy</code>	This field should remain empty as any values typed here are ignored.																					
<code>rtp</code>	<code>codec</code>	Allows you to define an Application Object based on the 'codec' used in a RTP stream.																					
<code>windowsmedia</code>	<code>host</code>	Allows you to define an Application Object based on the 'host' field in the HTTP header (where windowsmedia is running over http).																					

4. Some Layer 7 signatures have additional options that allow you to define Application Objects based on specific parts of that L7 Signature. If a Layer 7 signature is selected, specify the parameters for the signature.

For example, to create a an application object that matches traffic to and from the Exinda.com website, in the L7 Signature field, select **http -->**, **host**, and type **exinda.com**.

Add New Application

Name:

Network Object:

L7 Signature:

Ports/Protocols: eg. 80,8080,3127-3128

[Show a List of Common Port Numbers](#)

Add New Application

5. Specify either TCP ports/port ranges, UDP ports/port ranges or a layer 3 protocol. Multiple ports and port ranges can be specified at the same time by comma separating values.

Note

- Ports, Port Ranges and L7 Signatures are OR'd together, that is, traffic only has to match one of the conditions for it to be considered a match. Take the HTTP example above. Traffic needs to be on TCP port 80 OR match the 'http' L7 signature for the appliance to classify it as HTTP. If a Network Object is specified, it is AND'd with any specified ports or port ranges.
- TCP and UDP port pairs can only be defined once. So if you define an Application Object with a port range TCP 500 -> 510, you cannot then define another Application Object on TCP port 505. You can however, define UDP port 505 as TCP and UDP are treated separately. You can also define duplicate ports/port ranges if a Network Object is also specified.

6. Click **Add New Application**.

Application sub-types

Sub-type classification takes reporting and Layer 7 visibility to a whole new level of granularity. Just like reporting on specific web applications, where most vendors can only report on port 80 traffic, Exinda allows a deeper look into Layer 7 applications.

By comparison:

- Layer 4 reporting tools report on web applications as: port 80 or HTTP
- Layer 7 reporting tools report on web applications as: Yahoo or Skype
- Exinda s Layer 7 with Sub-type classification report on web applications as: Yahoo video, Yahoo voice, or Yahoo webchat. Similarly it breaks down other applications into their piece parts.

The following two graphics show the simplified configuration screen used by the Exinda to identify an applications sub-type and, following, what a report on a sub-type classification may look like (notice Skype video and Skype voice broken out as separate reportable entries).

Add New Application

Name:

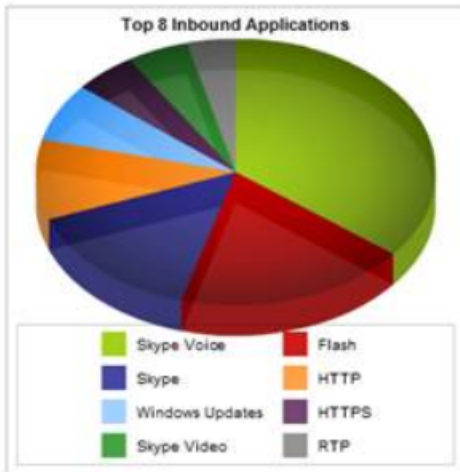
Network Object:

L7 Signatures:

Ports/Protocols:

[Show a List of Common](#)

✓
 file-transfer
 unknown
 video
voice
 webchat



Add an application group

Application Groups are used to group together Individual Application Objects into a logical group. There are several predefined Application Groups, such as Mail, P2P, Voice, etc. Using this page, you can edit existing Application Groups or create new ones.

1. Click **Objects > Applications**.
2. On the **Application Groups** tab, in the **Add New Application Group** area type a name for the new group.
3. Select the applications that belong in the new group.
By default, there are four drop-downs available to add Application Objects. If you need to add more, save the Application Group, then select the Edit button next to the newly created Application Group. You will be presented with four additional drop-downs to add more Application Objects.
4. Click **Add New Application Group**.

Once defined, Application Objects are automatically used in various monitoring reports and can also be used in the Optimizer policies.

Add an application to an application group

Application Groups allow you to group one or more defined Applications for easy inclusion into Optimizer policies. Add any applications you have added to the Exinda appliance `

Caution For monitoring visibility, groups must not contain applications which are already a member of another group being monitored.

1. Click **Objects > Applications**.
2. On the **Application Groups** tab, locate the group to add applications to and click **Edit**.
3. In the Edit Application Group area, select the applications that belong in the group.
4. Click **Apply Changes**.

Chapter 2: Applications

Applications are used to define applications that run over the network. There are 100s of predefined Applications built into the Exinda appliance - these are outlined in the next chapter. Applications are made up of:

- A Network Object, and either
- TCP/UDP ports
- TCP/UDP port ranges
- A layer 3 protocol, or
- A layer 7 signature

It is also possible to create custom Applications based on any or all of the above properties, in addition to the built-in Applications. Some Layer 7 signatures have additional options that allow you to define Application Objects based on specific parts of that L7 Signature. The following table explains the various options available:

citrix	application	Allows you to define an Application Object based on a published Citrix application name.
	priority ^	Allows you to define an Application Object based on a published Citrix priority. Citrix priorities are 0=High, 1=Medium, 2=Low, 3=Background. The Citrix priority detection will only work if Citrix is running without session-reliability, over TCP port 1494.
	user	Allows you to define an Application Object based on the user running the Citrix published application.
flash	host	Allows you to define an Application Object based on the 'host' field in the HTTP header (where flash is running over http).
http	content_type	Allows you to define an Application Object based on the 'content-type' field in the HTTP header.
	file	Allows you to define an Application Object based on the filename requested in the HTTP URL.
	host	Allows you to define an Application Object based on the 'host' field in the HTTP header.
	method	Allows you to define an Application Object based on the HTTP

		method (e.g. GET PUT HEAD DELETE).
--	--	------------------------------------

user_agent	Allows you to define an Application Object based on the 'user-agent' field in the HTTP header.																					
advanced	<p>Define custom criteria with the following syntax:</p> <ul style="list-style-type: none"> ■ A string literal is enclosed in quotes ("). ■ Internal quotes can be escaped with the backslash (\") character. ■ A backslash can be included in the string by escaping it with another backslash (\). ■ Keywords are bare (<code>common_name</code>) with no quotes. ■ Keywords are bare (<code>host</code>) with no quotes. ■ Grouping is supporting using parenthesis ■ Operators supported are <code>or</code> and <code>and</code> <code>and</code> has higher precedence than <code>or</code> ■ The comparison operators that are available are: <table border="1"> <thead> <tr> <th>Description</th> <th>Syntax</th> <th>Example</th> </tr> </thead> <tbody> <tr> <td>equals</td> <td><code>= host</code></td> <td><code>= "example.com"</code></td> </tr> <tr> <td>does not equal</td> <td><code>!= host</code></td> <td><code>!= "example.com"</code></td> </tr> <tr> <td>contains substring</td> <td><code>=% host</code></td> <td><code>=% "example.com"</code></td> </tr> <tr> <td>does not contain substring</td> <td><code>!% host</code></td> <td><code>!% "example.com"</code></td> </tr> <tr> <td>Right side is a regular expression and it matches the full left side</td> <td><code>=~ host</code></td> <td><code>=~ "example.*"</code></td> </tr> <tr> <td>Right side is a regular expression and it does not match the full left side</td> <td><code>!~ host</code></td> <td><code>!~ "example.*"</code></td> </tr> </tbody> </table> <ul style="list-style-type: none"> ■ Regular expressions use the perl syntax ■ The keywords for HTTP are: <code>host</code>, <code>file</code>, <code>user_agent</code>, <code>content_type</code>, <code>method</code>, <code>content_len</code> and <code>encoding</code> 	Description	Syntax	Example	equals	<code>= host</code>	<code>= "example.com"</code>	does not equal	<code>!= host</code>	<code>!= "example.com"</code>	contains substring	<code>=% host</code>	<code>=% "example.com"</code>	does not contain substring	<code>!% host</code>	<code>!% "example.com"</code>	Right side is a regular expression and it matches the full left side	<code>=~ host</code>	<code>=~ "example.*"</code>	Right side is a regular expression and it does not match the full left side	<code>!~ host</code>	<code>!~ "example.*"</code>
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			<ul style="list-style-type: none"> Regular expressions use the perl syntax 		
	spdy	This field should remain empty as any values typed here are ignored.			
rtp	codec	Allows you to define an Application Object based on the 'codec' used in a RTP stream.			
windowsmedia	host	Allows you to define an Application Object based on the 'host' field in the HTTP header (where windowsmedia is running over http).			

A list of the L7 signatures are available in the following categories:

- ["Business" on page 17](#)
- ["Conference" on page 18](#)
- ["Database" on page 18](#)
- ["Mail" on page 18](#)
- ["File Transfer" on page 18](#)
- ["Games" on page 20](#)
- ["Instant Messaging \(IM\)" on page 20](#)
- ["Mobile" on page 21](#)
- ["Network Management" on page 22](#)
- ["Peer-to-peer applications \(P2P\)" on page 23](#)
- ["Remote Control" on page 24](#)
- [Applications: Social Networking](#)
- ["Streaming" on page 24](#)
- ["Tunnel" on page 25](#)
- ["Voice/Video over IP \(VoIP\)" on page 26](#)
- ["Web" on page 27](#)

Business

AdobeConnect

JBK3000

Office 365

Activesync

Lync

SAP

Citrix

Lync-audio

UltraBac

FIX

QuickFIX

*Lync-video**Lync-file-transfer*

Microsoft Lync

Zoho Work Online**Conference****CitrixGoTo**GoToMeeting
BrowserAppletGoToMyPC
BrowserApplet

GoToMyPC iOS

GoToMeeting**Lotus Notes****ooVoo**

ooVoo iOS

Spread**Webex**WebEx Meeting Center
Applet

Webex for iPad

Webex iOS

Database**msSQL****MySQL****Oracle Database**

Oracle DB

PostgreSQL**TDS****Mail****Gmail****Hotmail****Live.com****IMAP****MAPI****POP****SMTP****File Transfer****AFP****DirectDownloadLink**

10upload.com

123upload.pl

139pan.com

163pan.com

1-clickshare.com

1clickshare.net

1fichier.com

1-upload.com

1-upload.to

2shared.com

fileape.com

filearchiv.ru

filearn.com

filebase.to

filecloud.com

filedude.com

filefactory.com

fileflyer.com

filefrog.com

filefront.com

fileho.com

filehook.com

jakfile.com

jumbofiles.com

keepmyfile.com

kewlshare.com

kickload.com

leteckaposta.cz

letitbit.net

livedepot.net

live-share.com

load.to

loadles.in

massmirror.com

share-online.bz

share-rapid.cz

shragle.com

simpleupload.net

speedshare.org

storage.to

terafiles.net

tunabox.net

turbobit.net

turbobit.ru

turboupload.com

u.115.com

4fastfile.com	filehost.tv	mediafire.com	ugotfile.com
4share.ws	filejungle.com	mega.1280.com	uloz.to
4shared.com	filemaze.ws	megafree.kz	ultrashare.de
4shared.vn	fileover.net	megaporn.com	unibytes.com
4us.to	filepost.com	megarapid.eu	unlimit.co.il
adrive.com	filepost.ru	megarotic.com	up.4share.vn
alldrives.ge	filer.net	megashare.com	up-file.com
allshares.ge	files.mail.ru	megashare.vn	upload.com.ua
annonhost.net	files.to	megashare.vnn.vn	uploadbox.com
asixfiles.com	filesafe.to	megashares.com	uploadc.com
badongo.com	filesend.net	megaupload.com	uploaded.to
badongo.net	fileserve.com	midupload.com	uploader.pl
banashare.com	filesflash.com	missupload.com	uploadfloor.com
bestsharing.com	fileshare.in.ua	mofile.com	uploadpower.com
bigfilez.com	filesmonster.com	mofile.net	uploadstation.com
biggerupload.com	filesonic.com	movreel.com	uploadyourfiles.de
bitshare.com	filesonic.in	multishare.cz	upnito.sk
boosterking.com	filestube.com	mytempdir.com	uptobox.com
cash-file.net	files-upload.com	netload.in	usershare.net
chinamole.com	file-upload.net	netuploaded.com	videobb.com
cobrashare.sk	file-upload.to	obsiebie.najlepsze.net	vip-file.com
coolshare.cz	fileupyours.com	oron.com	wiiupload.net
cramit.in	filevo.com	platinshare.com	wupload.com
crocko.com	filezup.com	przeklej.pl	x7.to
cum.com	freakshare.net	putshare.com	yourfilehost.com
czshare.com	freespace.by	qshare.com	yourfiles.biz
data.hu	fshare.vn	quickshare.cz	youtube.com
data-loading.com	fsx.hu	quicksharing.com	yunfile.to
dataport.cz	ftp2share.com	rapidshare.com	ziddu.com
datei.to	gaiafile.com	rapidshare.de	zomgupload.to
depositfiles.com	gamefront.com	rapidshare.pl	zshare.net
downupload.com	gigapeta.com	rapidupload.com	FTP
easybytez.com	gigasize.com	sanupload.com	<i>FTP-control</i>
easy-share.com	gigeshare.com	savefile.com	<i>FTP-data</i>
edisk.cz	gotoupload.com	scribd.com	HiDrive
enterupload.com	hellshare.com	sendmefile.com	NFS
euroshare.eu	hitfile.net	sendspace.com	SMB/CIFS
extabit.com	hostggg.com	sharebase.to	TFTP
eyvx.com	hotfile.com	sharebee.com	

fastfileshare.com.ar	hulkshare.com	sharebig.com	WebDAV
fast-load.net	hyperfileshare.com	sharebigfile.com	Cadaver
fast-share.com	ifile.it	sharebigflie.com	Goliath
fik1.com	i-filez.com	sharefile.net	
file2upload.net	ifolder.ru		

Games

Armagetron	GameKit	PS3	Warcraft 3
Battlefield	GuildWars	Quake	Wii
Club Penguin	Halfife 2	Call of Duty	World of Kung Fu
Crime City	QQ Game	Quake Live	World of Warcraft
CrossFire	MapleStory	rFactor	Xbox
Dofus	mig33	Second Life	Zynga
Fiesta	mig33 Android	SplashFighter	
Florensia		Steam	

Instant Messaging (IM)

eBuddy	IRC	Pidgin (previously Gaim)	POPO
eBuddy BrowserApplet	<i>IRC-file-transfer</i>	Qnext	QQ
eBuddy iOS	Adium	Trillian/Trillian Pro	<i>QQ-file-transfer</i>
enLegion	Aytm	Web.de Multimessenger	<i>QQ-voice</i>
Gadu-Gadu	Fire	Windows Live	<i>QQ-video</i>
<i>Gadu-Gadu-server</i>	Instantbird	Windows Live iOS	Instantbird
<i>Gadu-Gadu-file-transfer</i>	Mibbit Web IRC	MSRP	QQ HD iOS
<i>Gadu-Gadu-voice</i>	Miranda	Blink	QQ International
<i>Gadu-Gadu-video</i>	mIRC	Nimbuzz	QQ iOS
Adium	Pidgin	Nimbuzz Android	QQ for Mac
GaduGadu Android	Jabber	Nimbuzz Blackberry	QQ for Pad Android
GaduGadu iOS	<i>Jabber-file-transfer</i>	Nimbuzz Mac	textPlus
Instantbird	<i>Jabber-voice</i>	Nimbuzz Symbian	TigerText
Kopete	<i>Jabber-video</i>	Nimbuzz iOS	Usenet
Miranda	Adium	Oscar	iLoad
Pidgin	Aytm	<i>Oscar-file-transfer</i>	UseNeXT
Google Talk	GMX Multimessenger	<i>Oscar-picture-transfer</i>	Vibe
<i>Google Talk-voice</i>	iChat	<i>Oscar-voice</i>	Voxer
<i>Google Talk-file-transfer</i>	Instantbird	<i>Oscar-video</i>	

Google Talk-video

Adium

Ayttn

GMX Multimessenger

iChat

Instantbird

Kopete

Miranda

Pidgin

Pidgin (previously Gaim)

Proteus

Psi

Qnext

Trillian/Trillian Pro

Web.de Multimessenger

ICQ Webchat**iMessage****IMO**

IMO Android

IMO BlackBerry

IMO Browser Applet

IMO for iPad

IMO iOS

IMplus

IM+ Android

IM+ BlackBerry

IM+ Symbian

IM+ Windows Phone

IM+ for Java phones

IM+ iOS

Kopete

Miranda

Pidgin

Pidgin (previously Gaim)

Proteus

Psi

Qnext

Trillian/Trillian Pro

Web.de Multimessenger

Kik Messenger**Meebo***Meebo-audio**Meebo-video*

Meebo Android

Meebo BlackBerry

Meebo MiniBar

Meebo Notifier

Meebo iOS

MSN*MSN-voice**MSN-file-transfer**MSN-video**MSN-webchat*

aMSN

Adium

Ayttn

Fire

GMX Multimessenger

Instantbird

Kopete

Mercury

Microsoft Messenger Mac

Miranda

Pidgin

AIM

AIM Android

AIM for Mac

AIM for iPad

AIM iOS

Adium

Ayttn

Fire

GMX Multimessenger

iChat

ICQ

ICQ Android

ICQ Mac OS X

ICQ iOS

ICQ mobile for Java

Instantbird

Kopete

Miranda

Pidgin

Pidgin (previously Gaim)

Proteus

Qnext

Trillian/Trillian Pro

Web.de Multimessenger

Paltalk*Paltalk-server**Paltalk-file-transfer**Paltalk-voice**Paltalk-video*

Paltalk Android

Paltalk iOS

WeChat**WhatsApp**

WhatsApp Android

WhatsApp Symbian

WhatsApp iOS

Wickr**XDCC**

XDCC Catcher

XDCC Fetcher

XDCC Klipper

mIRC

Yahoo*Yahoo-voice**Yahoo-file-transfer**Yahoo-video**Yahoo-webchat**Yahoo-webmail*

Adium

Ayttn

GMX Multimessenger

Instantbird

Kopete

Miranda

Pidgin

Pidgin (previously Gaim)

Qnext

Trillian/Trillian Pro

Web.de Multimessenger

Yahoo Messenger

Yahoo Messenger

Android

Yahoo Messenger for

Mac

Yahoo Messenger iOS

Yuilop**Mobile****Blackberry****BOLT****WAP-WSP**

Blackberry-encrypted

Blackberry-email

Blackberry-messenger

ORB-client

BlackBerry Internet Service

BlackBerry Management Center

BlackBerry Messenger

Bolt Android

MultimediaMessaging

Opera Mini

Opera Mini Symbian

Opera Mini Android

Opera Mini Blackberry

Opera Mini iOS

WAP-WTLS

WAP-WTP-WSP

Network Management

BGP

DHCP

DHCPv6

DNS

EGP

ICMP

ICMPv6

IGMP

IPP

Kerberos

LDAP

LDP

Multicast DNS

NETBIOS

Netflow

NTP

OSPF

RADIUS

SCTP

SNMP

SSDP

Syslog

Peer-to-peer applications (P2P)

Aimini	qBittorrent	eDonkey	iMesh
ANtsP2P	QTorrent	<i>eDonkey-plain</i>	BearShare
AppleJuice	rTorrent	<i>eDonkey-encrypted</i>	iMesh
Ares	Rufus	aMule	iMesh Lite
Filepipe	Shareaza	Hydranode	Lphant
KCEasy	Sharktorrent	Jubster	Shareaza
BitTorrent	SoMud	Lphant	KaZaa / Fasttrack
<i>BitTorrent-plain</i>	SymTorrent	MLDonkey	Apollon
<i>BitTorrent-encrypted</i>	Tomato Torrent	Morpheus	Filepipe
ABC	TorrentFlux	Shareaza	iMesh Light
Acquisition	TorrentSpy	WinMX MP3	Kazaa
Anatomic P2P	Torrent Station	XoloX	Kazaa Lite
Arctic Torrent	Torrent Swapper	eDonkey2000	Mammoth
Ares	TorrentVolve	eMule	Manolito
Azureus / Vuze	Transmission	eMule Plus	Blubster
BitComet	Turbo Torrent	obfuscated eMule	Piolet
BitFlu	µTorrent	xMule	Mojo
BitLord	µTorrent Mac	Filetopia	Mute
BitPump	WizBit	Freenet	OFF
BitRocket	Xtorrent	Gnutella	Filepipe
Bits on Wheels	ZipTorrent	Acqlite	OpenFT
BitSpirit	DirectConnect	Acquisition	Pando
BitSticks	<i>DirectConnect-hub</i>	Apollon	Soulseek
BitTornado	<i>DirectConnect-peer</i>	BearFlix	iSoul
BitTorrent / Mainline	DirectConnect-adc-peer	Cabos	Nicotine Plus
BitTyrant	ApexDc++	CocoGnut	SolarSeek
Blizzard Downloader	BCDC++	DM2	SoulSeeX
BTG	CZDC	Filepipe	pySoulSeek
BtManager	DC#	FrostWire	StealthNet
BTSharp	DC++	giFT	Thunder / Webthunder
burst!	DCTC	Gluz	Thunder
CTorrent	Dolda Connect	Gnucleus	WinMX
Deluge	Elise	Gtk-gnutella	XNap
FlashGet	fulDC	iMesh Light	WINNY
Freeloder	GtkDC	KCEasy	
	LDCC		

FrostWire	LinuxDC++	Kiwi Alpha
G3 Torrent	Microdc	LimeWire
Gnome BitTorrent	Microdc2	Morpheus
Halite	oDC	Mutella
KTorrent	Revconnect	Phex
LimeWire	SababaDC	Poisoned
MLDonkey	ShakesPeer	Qtella
MonoTorrent	StrongDC++	Shareaza
MooPolice	Valknut	Swapper.NET
Opera		Symella
Pando		WinMX MP3
		XFactor
		XNap
		XoloX

Remote Control

GoToMyPC	SSH	TeamViewer HD for iPad	Telnet
PCAnywhere	TeamViewer	TeamViewer for Meetings iPad	VNC
Poison Ivy	TeamViewer Android	TeamViewer iOS	XDMCP
RDP	TeamViewer Linux	TeamViewer for Meetings iOS	
Skinny	TeamViewer Mac		
SOAP	TeamViewer for iPad		

Social Networking

Facebook	LinkedIn
Friendster	MySpace
Hi5	Snapchat
Instagram	Orkut
	Twitter

Streaming

Audiogalaxy	MMS	PPLive	SinaTV
Audiogalaxy iOS	Windows Media Player	PPTV Android	Slingbox
Audiogalaxy Android	Move	PPTV iOS	SopCast
AVI		PPTV HD iOS	

Channel 4oD**CNTV****Dailymotion****Deezer****Demand5***Demand5-stream**Demand5-web*

Demand5 iOS

Feidian**FLASH****Funshion****Grooveshark****Icecast****iPlayer**

iPlayer iOS

IPTV

T-Home/TV2

iTunes**ITV***ITV-stream**ITV-web*

ITViOS

Kontiki**Lovefilm****MPEG**

Jupster

Screamerradio

VLC

Winamp

MyVideo**Netflix**

Netflix iOS

Octoshape

CNN streaming

OGG**ORB***ORB-server**ORB-client**ORB-client-rtsp**ORB-client-rdt**ORB-client-wmv**ORB-client-wma**ORB-client-flash**ORB-client-flv**ORB-client-3gp**ORB-client-upload-
download**ORB-client-rtp***Pandora**

PPTV Mac

PPStream

PPStream Android

PPStream Mac

PPStream Ubuntu

PPStream iOS

QQLive

QQLive Android

QQLive iOS

QQLive iPad

QuickTime

iTunes

RealDataTransport**Real Media**

RealMediaPlayer

RedTube**Rhapsody****RTCP****RTP****RTSP****Shoutcast**

Fishradio

iTunes

Silverlight**Soribada****Spotify**

Spotify Android

Spotify Mac

Spotify iOS

TVAnts**TVUPlayer**

TVUPlayer Android

TVUPlayer Mac

TVUPlayer iOS

UUSee**Vcast****VeohTV***VeohTV-generic**VeohTV-flash*

VeohTV Web Player

WINDOWS MEDIA**XVideos****YouTube****Zattoo**

Zattoo HD iOS

Zattoo iOS

Tunnel**ComodoUnite**

Comodo EasyVPN

CyberGhost**GRE****GTP***GTP-control**GTP-user-data***HamachiVPN**

LogMeIn Hamachi

IPSEC*IPSEC-data**IPSEC-control*

Cisco VPN Client

HotSpot Shield iOS

ISAKMP**JAP**

JAP/JonDo

L2TP**PD-Proxy****PPP****PPTP****Socks**

Socks v4

Socks v5

SoftEthernet**SSL**

HTTPS

SSTP**Teredo****TOR**

Tor Vidalia Bundle

UltraSurf**VPN-X****VTUN****YourFreedom**

HTTPTunnel	OpenL2TP	IMAPS
HTTP-Tunnel Client	NetMotion	POP3S
IP in IP	OpenVPN	SMTPS
	Hotspot Shield	Stunnel
	MyFreedom	

Voice/Video over IP (VoIP)

Burner	Iskoot	Facetime	Tango
Facetime	MagicJack	Facetime iOS	<i>Tango-audio</i>
FiCall	MGCP	gooberVoIP	<i>Tango-video</i>
FiCall iOS	<i>MGCP-control</i>	Gizmo	Tango Android
Fring	MGCP-rtp	KPhone	Tango iOS
<i>Fring-voice</i>	MyPeople	MagicJack/MagicTalk	TeamSpeak
Fring Android	<i>MyPeople-audio</i>	OpenWengo	Teamspeak Linux
Fring Symbian	Scydo	QuteCom	Teamspeak Mac
Fring iOS	Scydo Android	SipGate	Teamspeak iOS
Goober	Scydo iOS	Twinkle	Truphone
H323	SIP	Vonage	Truphone Android
Ekiga	<i>SIP-msn</i>	XMeeting	Truphone Mac
NetMeeting	<i>SIP-yahoo</i>	Skype	Truphone iOS
OpenH.323	<i>SIP-vonage</i>	<i>Skype-voice</i>	Truphone iPad
XMeeting	<i>SIP-oscar</i>	<i>Skype-out</i>	Tunnelvoice
IAX	<i>SIP-gadu-gadu</i>	<i>Skype-video</i>	Ventrilo
DiAx	<i>SIP-oscar-video</i>	Skype Android	Viber
Firefly	<i>SIP-yahoo-video</i>	Skype for iPad	<i>Viber-audio</i>
IAXComm	<i>SIP-ichat-facetime</i>	Skype iOS	<i>Viber-Instant Messaging</i>
IAXPhone	<i>SIP-MagicJack</i>	Skype Linux	Viber Android
Idefisk/Zoiper	<i>SIP-audio</i>	Skype Symbian	Viber iOS
Kiax	<i>SIP-video</i>	STUN	Vippie
LoudHush	ClearSea	Sudaphone	Vippie Android
PURtel	Ekiga	Sudaphone Android	Vippie iOS
YakaPhone	ExpressTalk	Sudaphone iOS	VoipSwitch
ZiaXPhone			CalltoNet

Web

Amazon Cloud

Adobe Creative Cloud

Box

Dropbox

Evernote

flickr

Google

Google-docs

Google-cloud

Google-drive

Google-plus

Google-encrypted

HTTP

HTTP-audio

HTTP-video

iCloud

Orkut iOS

SkyDrive

SPDY

Ubuntu one

WebQQ

WebSocket

Windows Azure

Wuala

Chapter 3: Application Groups

The Exinda appliance includes predefined groups of applications that can be used when setting policy for the appliance. Custom Application Groups can also be defined, and custom Applications can be added to existing Application Groups.

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- "Exinda" on page 29
- "File Services" on page 29
- "Games" on page 29
- "Instant Messaging" on page 29
- "Interactive" on page 30
- "Mail" on page 30
- "Peer-2-Peer (P2P)" on page 30
- "Recreational" on page 30
- "Secure" on page 31
- "Social Network" on page 31
- "Software Updates" on page 31
- "Streaming" on page 31
- "Thin Client" on page 32
- "Unified Communications" on page 32
- "Voice" on page 32
- "VPN" on page 32
- "Web" on page 33

Database Services

MS-SQL

MySQL

Oracle

PostgreSQL

TDS

Exinda

ExindaAD
ExindaCom
ExindaSSL
ExindaWM

File Services

Apple Talk	NFS
CIFS	rsync
FTP	TFTP
NCP	

Games

Armagetron	GTP	Steam
Battlefield	GuildWars	TeamSpeak
Call of Duty	Half-Life 2	Unreal
Club Penguin	MapleStory	Warcraft 3
Crossfire	PS3	Wii
Dofus	QQ Games	World of Kung Fu
Doom3	Quake-HalfLife	World of Warcraft
Fiesta	rFactor	xbox-live
Florensia	Second Life	
Gamekit	SplashFighter	

Instant Messaging

eBuddy	IMO	MSRP	Voxer
enLegion	IRC	Oscar	WebQQ
ICQ Webchat	Jabber	PalTalk	WeChat
IM+	Kik Messenger	textPlus	WhatsApp
iMessage	Meebo	TigerText	Wickr
	MSN		Yahoo

Interactive

BGP	rlogin
DNS	SSH
echo	Telnet
Remote Telnet	Time Server

Mail

Blackberry	LotusNotes
GMail	MAPI
Hotmail	POP
IMAP	POP-SSL
IMAP-SSL	SMTP

Peer-2-Peer (P2P)

ANts P2P	Gadu-Gadu	PPLive	UUSEE
Ares	Gnutella	PPStream	Webthunder
BitTorrent	Kazaa-Fastrack	QQ	ZATTOO
Edonkey	Kontiki	QQLive	
Feidian	Open FT	Soulseek	
Filetopia	POPO	StealthNet	

Recreational

Anonymous Proxy	Instagram	RealMedia
Audiogalaxy	iTunes	Spotify
DirectDownload	JAP	UltraSurf
Facebook	LinkedIn	VoIP Tunnel
Flash	Mig33	WindowsMedia
Flickr	Mojo	YourFreedom
Hi5	MySpace	YouTube
Hotmail	Orkut	

Secure

DDM-SSL	NNTP-SSL	SSH
FTP-SSL	Oracle-SSL	SSL
HTTPS	Orbix2000 SSL	SyncServer-SSL
IMAP-SSL	POP-SSL	Tacacs
IRC-SSL	PPTP	Telnet-SSL
L2TP	SecureSight	WAP TLS
LDAP-SSL	Shell-SSL	WSM Server-SSL
MS Global Catalogue SSL	SIP-SSL	

Social Network

aimini	LinkedIn
Bebo	MySpace
Facebook	Orkut
Flickr	Snapchat
Friendster	Twitter
Google Plus	YouTube
Hi5	
Instagram	
iSkoot	

Software Updates

Adobe Updates	Eset	Panda Security
Antivirus Lab	F-Prot	Windows Updates
Apple Updates	Grisoft	
Avira	Kaspersky	
Bitdefender	McAfee	

Streaming

AVI	LoveFilm	Quicktime
Channel 4oD	MMS	RealData Transport
Demand 5	Move Player	RealMedia

Flash	MPEG	Rhapsody
Funshion	MyVideo	RTSP
Icecast	Netflix	ShoutCast
iPlayer	Octoshape	Silverlight
IPTV	OGG	Soribada
ITV	Pandora	WindowsMedia

Thin Client

AdobeConnect	RDP
Citrix	Spread
GoToMeeting	TeamViewer
GoToMyPc	VNC
PCanywhere	Webex
PCoIP	xmcp
	XWindows

Unified Communications

FiCall	Scydo
Fring	Tango
Goober	Truphone
Lync	Ventrilo
ooVoo	

Voice

Burner	Nimbuzz	Skype
Facetime	RTCP	Skype Video
H323	RTP	Skype Voice
IAX	SIP	Sudaphone
Megaco H.248	Skinny	Vippie
MGCP		

VPN

ComodoUnite	isakmp	SoftEthernet
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CyberGhost	L2TP	SSTP
GRE	NetMotion	Teredo
HamachiVPN	OpenVPN	VPN-X
HTTPTunnel	PDProxy	
IPSEC	PPTP	
IPSEC over UDP		

Web

BOLT	HTTP	SPDY
Google	HTTP-ALT	squidproxy
Google Cloud	HTTPS	WAP
Google Drive	Live.com	WebDAV
Google Encrypted	OperaMini	WebSocket