

## Application Objects

<https://campus.barracuda.com/doc/41091563/>

Application objects are used to reference lists of applications when creating application aware firewall access rules. An application object can contain a combined list of applications and/or sub-applications (e.g. Facebook; Facebook Chat). It can also include already existing application objects. You can use predefined applications when creating an application object, but you can also create custom application objects. You can use an application object in as many application policies as required. Application definitions are provided by Barracuda Networks and are updated with each firmware update.

### Create a List Based Application Object

Use list based application objects if you want to create a list of applications which do not belong to the same category or do not share common traits. For example, a list of business critical applications.

To create a list based application object:

1. Go to the **FIREWALL > Application Objects** page.
2. In the **List Based Application Objects** section, click **Add Object**.
3. In the **Add List Based Application Object** window, enter a name for the application list.
4. To simplify the search for applications to select, use the filter functions:
  - **Show:** - Click a button to choose, whether you want to display all applications and objects in the list for selection, or just applications, objects or custom applications.
  - **Category:** - From the drop down list, select the category the application or object belongs to.
  - **Properties:** - Select the properties option that applies to the applications or objects you are searching for.
  - **Risk:** - Select the appropriate risk classification of the applications or objects you are searching for.
  - **Filter:** - If already known, enter the name of the application or object in this field.

The applications or objects that match all filters are instantly displayed in the dynamically generated **SELECT** list.

### Add List Based Application Object ?

Name:

Description:

Show:  All  Applications  Objects  Custom Applications

Category:  Properties:  Risk:

Filter:

**SELECT** + Add all

Applications

- Skype +
- Skype Video +

5. From the **Select** list, add the desired applications or objects to **Selected** by clicking the + icon next to their names. If an application consists of more than one component, you can expand the parent application and all the child objects will be visible.

**SELECTED** Remove all


Applications

- Skype -
  - Skype Video -
- Lync -
  - Lync General -
  - Lync Audio -

To exclude specific items from selected applications containing more than one component, expand the application in the **Selected** section and click the - icon next to the application features that you want to exclude.

6. Click **Save**.

The new application object is now displayed in the **List Based Application Objects** section.

LIST BASED APPLICATION OBJECTS				Help
<input type="button" value="Add Object"/>				
Name	Description	Applications	Actions	
VOIPApplications	VOIP Conferencing Applications	<div style="display: flex; flex-wrap: wrap; gap: 5px;"> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Skype</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Skype General</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Skype Audio</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Skype Skypeout</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Skype Video</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Lync</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Lync General</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Lync Audio</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Lync Video</div> <div style="border: 1px solid #ccc; padding: 2px; margin: 2px;">Lync Filetransfer</div> </div>		

### Create a Filter Based Application Object

Create a filter based application object if you want to create a list of applications based on risk factor, property or category. For example, a list of all applications with a high (4) risk factor or belonging to the Instant Messaging category.

To create a filter based application object:

1. Go to the **FIREWALL > Application Objects** page.
2. In the **Filter Based Application Objects** section, click **Add Object**.
3. In the **Add Filter Based Application Object** window, enter a name for the application object.
4. In the **Category** section, select the applicable boxes to filter for applications and objects within a specific category.
5. In the **Property** section, select the applicable boxes to filter for application or object properties.
6. In the **Risk** section, select the applicable boxes to filter for risk classification of applications and objects.

**Add Filter Based Application Object** ?

Name:

Description:

**Category** clear

- Uncategorized
- Standard Network
- File Sharing P2P
- VOIP
- Conferencing
- Instant Messaging
- Media Streaming
- Proxies and Anonymizers
- Tunneling

**Property** clear

- Bandwidth Consuming
- Time/Productivity Consuming
- Encrypted
- Tunneling
- Misusage
- Supports File Transfers
- Vulnerabilities
- Used by Malware
- Browser Based

**Risk** clear

- 1
- 2
- 3
- 4

Name	Category	Properties	Risk
<b>Applications</b>			
<input checked="" type="checkbox"/> Ebuddy	Instant Messaging	Time/Productivity Consuming Encrypted Browser Based Client Application	4
<input type="checkbox"/> Ebuddy XMS for Mobile	Mobile	Time/Productivity Consuming Encrypted Browser Based Client Application	4
<input type="checkbox"/> Ebuddy Base	Instant Messaging	Time/Productivity Consuming Encrypted Browser Based Client Application	4
<input type="checkbox"/> AIM Express	Instant Messaging	Time/Productivity Consuming Encrypted Browser Based	4
<input type="checkbox"/> Streetchat	Instant Messaging	Time/Productivity Consuming Supports File Transfers Client Application	4
<input checked="" type="checkbox"/> Jabber	Instant Messaging	Tunneling Supports File Transfers Used by Malware Client Application	4
<input type="checkbox"/> Jabber General	Instant Messaging	Tunneling Supports File Transfers Used by Malware Client Application	4

Page 1 of 1 (11 objects total)

7. Click **Save**.

The new application object is now listed in the **Filter Based Application Objects** section.

FILTER BASED APPLICATION OBJECTS					Help
<input type="button" value="Add Object"/>					
Name	Description	Categories	Properties	Risks	Actions
InstantMessaging	Instant Messaging - high risk applications	Instant Messaging		4	

**Create a Custom Application Object**

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If the application list does not contain the application or website you want to add to an object, you can create custom application objects.

To create a custom application object:

1. Go to the **FIREWALL > Application Objects** page.
2. In the **Custom Application Objects** section, click **Add Object**.
3. In the **Add Custom Application Object** window, enter a name for the application object.
4. Select the application type from the **Base Type** drop down list.
5. Select the application category from the **Category** list.
6. In the **Properties** section, select a property for the application object and click **+** to add it. Add all properties under which the application object should appear in the list.
7. Select a **Risk**. from the drop down. A risk of **1** is low, **4** is high.
8. Enter the **URL**. E.g., If the website is `http://www.barracuda.com/user/search.do?resetForm=232` the enter `www.barracuda.com`
9. Click **+** to add the **URL** entry.
10. Enter the **Path** of the URL. Remove the first / and escape wildcard characters (\* and ?) that are part of the path with a backslash \. E.g., If the website is `http://www.barracuda.com/user/search.do?resetForm=232` enter the path as: `user/search.do\?resetForm*` where the \* is used as a wildcard character and ? is escaped with a backslash because it is part of the original URL.
11. Click **+** to add the **Path** entry..

## Add Custom Application Object ?

Name:

Description:

Base Type:

Category:

Properties:  +  
 Bandwidth Consuming -

Risk:

Domain:  +  
-

*The Domain name portion of an URL. E.g.: www.barracuda.com*

Path:  +  
-

12. Click **Save**.

The new application object is now listed in the **Custom Application Objects** section.

CUSTOM APPLICATION OBJECTS				Help
Add Object				
Name	Description	Base Type	Actions	
ForbiddenSite	Forbidden Website	Web browsing		

## Edit an Application Object

To edit an application object:

1. Go to the **FIREWALL > Application Objects** page.
2. In the appropriate section under **Actions**, click the pen icon for the application object that you want to edit.
3. In the **Edit Application Object** window, edit the settings for the object.

4. Click **Save**.

## **Delete an Application Object**

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To delete an application object:

1. Go to the **FIREWALL > Application Objects** page.
2. In the appropriate section under **Actions**, click the trash can icon for the application object that you want to delete.
3. Click **OK** to confirm.

## Figures

1. app\_object\_67\_01.png
2. app\_object\_67\_02.png
3. app\_object\_03.png
4. app\_object\_67\_03.png
5. app\_object\_05.png
6. custom\_app\_object01.png
7. app\_object\_07.png

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