

## Application Objects

<https://campus.barracuda.com/doc/11823/>

Use application objects to reference applications when creating application-aware access rules. The **Applications** view lets you create predefined application lists to be employed in rulesets. When creating a new application object, you can also include (reference to) other application objects that are already configured. To access the **Applications** window, click **Applications** under the **Configuration** menu on the left.

Application Objects [Local Machine]				
	Name ▾	Ref	Entries	Description
<b>Firewall</b> Summary History Live Activity Events  <b>Configuration</b> Settings Rules Adapters Networks Services <b>Applications</b> Users Rule Tester Test Permit	Any	3	Ref: DHCPv6 , Ref: LLNMR , Ref: BOOTPS , Ref: DNS , Ref: ICMPv6 Neighbor Discovery , Ref: ICMPv6 Echo , Ref:	
	BARRACUDA VPN	1	TCP 691 , UDP 691 , TCP 443 , TCP 3128 , TCP 8080 , UDP 500 , UDP 53	Barracuda VPN Tunnel
	BOOTPS	5	UDP 68 , UDP 67	Bootstrap Protocol Server
	CIFS	2	UDP 445 , TCP 445	Microsoft Windows 2000 SMB
	DHCPv6	3	UDP 547 , UDP 546	DHCPv6 Client
	DNS	4	UDP 53	Domain Name
	ICMP Echo	1	Ref: ICMPv4 Echo , Ref: ICMPv6 Echo	ipv6 and ipv4 Echo reply and request
	ICMP-ALL	2	ICMP: 18 , ICMP: 17 , ICMP: 16 , ICMP: 15 , ICMP: 14 , ICMP: 13 , ICMP: 8 , ICMP: 5 , ICMP: 0	
	ICMPv4 Echo	1	ICMP: 0 , ICMP: 8	ICMP Echo Request and Reply
	ICMPv6 Advanced	0	ICMPv6: 138 , ICMPv6: 139 , ICMPv6: 140 , ICMPv6: 141 , ICMPv6: 142 , ICMPv6: 144 , ICMPv6: 145 , ICMPv6: 146 , ICMPv6: 129 , ICMPv6: 128	rarely needed ICMPv6 options
ICMPv6 Echo	2	ICMPv6: 129 , ICMPv6: 128	ICMPv6 Echo reply and request	
ICMPv6 Multicast Listener D...	2	ICMPv6: 130 , ICMPv6: 131 , ICMPv6: 132 , ICMPv6: 143	Multicast Listener Discovery Protocol (RFC 2710)	

## Default Application Objects

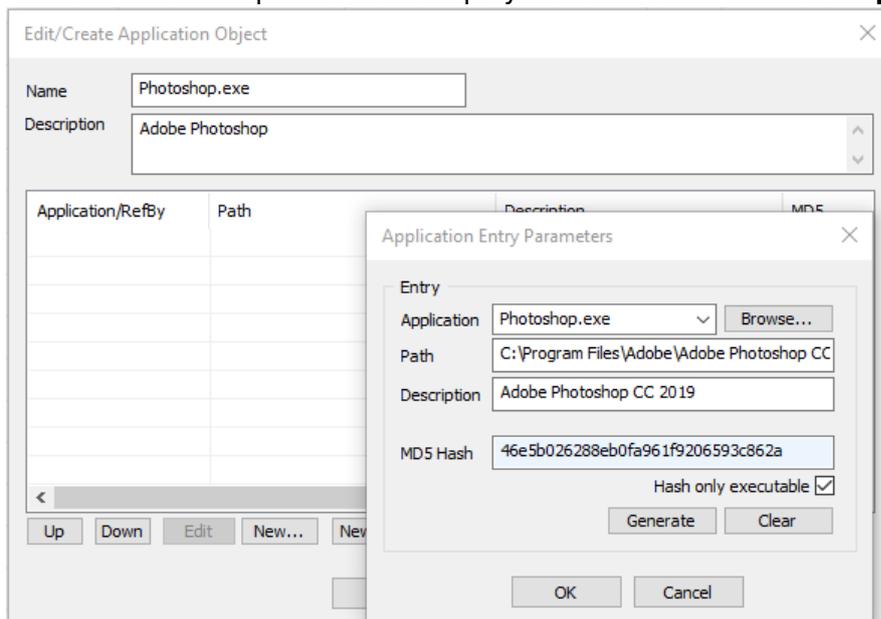
The following application objects, required in Microsoft Windows domains, are available by default in the Barracuda Personal Firewall:

Application	Connection	Description
<b>System</b>	Out / In	Services needed by the OS kernel.
<b>TCP/IP Ping Command</b>	Out / In	-
<b>lsass.exe</b>	Out	Local Security Authority Service. Process responsible for management of local security authority domain authentication and Active Directory management.
<b>services.exe</b>	Out	Upon startup, services.exe enumerates through all registry subkeys located in the <b>HKEY_LOCAL_MACHINE\Services</b> registry key.

<b>spoolsv.exe</b>	Out	The Windows Printer Spooler stores printer jobs and forwards them to the printer when it is ready.
<b>userinit.exe</b>	Out	By default, WinLogon executes this application that triggers logon scripts, re-establishes network connections, etc.
<b>winlogon.exe</b>	Out	This application manages security-related user interactions in Windows NT. It handles requests to log on or off, to change passwords, etc.
<b>svchost.exe</b>	Out	This is a generic host process name for services run from dynamic-link libraries (DLLs). There can be multiple instances of svchost.exe running at the same time.

### Create an Application Object

1. Select **New** in the bottom bar or from the context menu in the **Applications** window.
2. Specify a **Name** for the application object.
3. Optionally, insert a **Description**.
4. Click **New** to specify an application. The **Application Entry Parameters** window opens.
5. Click **Browse** and select the file you want to create the object for. The path to the file and its inherent file description will be displayed in the **Path** and **Description** fields below.



6. Click **Generate** to create an MD5 hash in order to clearly identify the selected file as soon as it is executed. MD5 hash creation is recommended in order to avoid file corruption and a vulnerable PC after an attack. Note that in case an application equipped with an MD5 hash is used on multiple clients, file versions must match exactly. The application object will otherwise not be applicable.
7. Click **OK** to add the application to the list.
8. Repeat steps 4 - 7 for every application that you want to include in the object.
9. Click **OK** to create the application object.

To save configuration changes made on the Barracuda CloudGen Firewall, click **Send Changes** and

**Activate** . To save configuration changes made on the Barracuda Personal Firewall, use the option provided on the page, or click the **Alt** key, expand the **File** menu, and select **Save Configuration**.

## Figures

1. application\_obj\_50.png
2. app\_obj.png

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