

## Proxy and Caching

<https://campus.barracuda.com/doc/6553648/>

If you are not already in the Barracuda Web Security Service Manager interface, click **Barracuda Web Security Service** at the top of your Barracuda Cloud Control login screen. The Barracuda Web Security Service Manager interface appears. In the Barracuda Web Security Service Manager, click the **CONFIGURATION** tab.

Specify proxy and caching settings by selecting the desired Barracuda Web Security Service Connector on the **CONFIGURATION > Gateway** page and clicking the **Proxy/Caching** tab. This article describes the settings you can manage on this page.

### Upstream Proxy

To configure the upstream proxy for a Barracuda Web Security Service Connector:

1. In the Upstream Proxy area, enter or edit the fields in the table below.
2. Click **Save Changes**.
3. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>Send VIA Header</b>	Select this option to expose the identity of the Barracuda Web Security Service Connector to web servers
<b>Send Forwarded-For Header</b>	Select this option to allow HTTP requests to: <ul style="list-style-type: none"> <li>• expose the proxy that the Barracuda Web Security Service Connector is using, and</li> <li>• expose the client IP address for which the Barracuda Web Security Service Connector is forwarding.</li> </ul>
<b>Transparent Proxy Port</b>	Specify the port to use to directly proxy through the Barracuda Web Security Service Connector. Default: 8080
<b>X-Forwarded-For Header</b>	Used for header extensions from any proxy for the client IP. This is useful when the Barracuda Web Security Service Connector is on the WAN side of another proxy. Used for logging and reporting only. Default: X-Forwarded-For

<b>HTTP Methods</b>	<p>Specify allowed HTTP methods other than the standard GET, POST, and HEAD.</p> <p><b>Example for Subversion:</b> REPORT MERGE MKACTIVITY CHECKOUT</p> <p>Default values:</p> <ul style="list-style-type: none"> <li>• OPTIONS</li> <li>• PUT</li> <li>• DELETE</li> <li>• TRACE</li> <li>• CONNECT</li> <li>• PROPFIND</li> <li>• PROPPATCH,MKCOL</li> <li>• COPY</li> <li>• MOVE</li> <li>• LOCK</li> <li>• UNLOCK</li> <li>• VERSION-CONTROL</li> <li>• REPORT</li> <li>• CHECKOUT</li> <li>• CHECKIN</li> <li>• UNCHECKOUT</li> <li>• MKWORKSPACE</li> <li>• UPDATE</li> <li>• LABEL</li> <li>• MERGE</li> <li>• BASELINE-CONTROL</li> <li>• MKACTIVITY</li> </ul>
<b>HTTP Ports</b>	Allowed HTTP ports for forward proxied clients. Port range 1025-65535 is always allowed.
<b>HTTPS Ports</b>	Allowed HTTPS ports for forward proxied clients.
<b>Use Custom Proxy Authentication Settings</b>	Enable this feature to specify the number of proxy authentication helper threads (below).
<b>Number of Proxy Authentication helper threads</b>	After you enable Use Custom Authentication Settings, set the number of helper threads here. Default value:12
<b>Enable Authentication Caching</b>	Enable this feature to allow the Barracuda Web Security Service Connector to cache successful NTLM authentication responses from the domain controller.
<b>Authentication Cache TTL</b>	Time-to-live (TTL), in seconds, for a successful NTLM authentication response. Default: 3600
<b>Disable Proxy Cache</b>	Select this option to disable proxy caching.
<b>Peer Proxy IP</b>	IP address of any pre-existing proxy in front of the Barracuda Web Security Service Connector.
<b>Peer Proxy Port</b>	Port for the IP address of any pre-existing proxy in front of the Barracuda Web Security Service Connector.

## Peer Proxy Domains

To specify peer proxy domains for the Barracuda Web Security Service Connector:

1. In the **Peer Proxy Domains** area: to edit a peer proxy domain, select the Domain name; to add a peer proxy domain, click **Add New Peer Proxy Domain**.
2. In the **Add/Update Domain to Peer Proxy** screen, enter or edit entries for the fields in the table below.
3. Click **Submit**.
4. Click **Save Changes**.
5. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>Domain</b>	Domain names whose traffic you want sent to the specified peer proxy. Example: .example.com
<b>Enabled</b>	Select this option to enable the peer proxy domain.

## Regular Expression Proxy Authentication Exceptions

To specify regular expression proxy authentication exceptions for the Barracuda Web Security Service Connector:

1. In the **Regular Expression Proxy Authentication Exceptions** area: to edit a regular expression proxy authentication exception, select the Regular Expression name; to add a regular expression proxy authentication exception, click **Add New Regex Proxy Authentication Exception**.
2. In the **Add/Update Regex Proxy Authentication Exception** screen, enter or edit entries for the fields in the table below.
3. Click **Submit**.
4. Click **Save Changes**.
5. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>Regular Expression</b>	Enter the regular expression of a URL to exempt from proxy authentication. To exempt HTTP traffic to example.com and all of its subdomains, enter: <code>^http://([^\:\/]*\.)?example\.com/.*\$</code> To exempt HTTPS traffic to mydomain.com and all of its subdomains, enter: <code>^(.*\.)?mydomain\.com:443</code>
<b>Enabled</b>	Select to enable this option.

## Request Header Proxy Authentication Exceptions

To specify Request Header Proxy Authentication Exceptions for the Barracuda Web Security Service Connector:

1. In the **Request Header Proxy Authentication Exceptions** area: to edit a request header proxy authentication exception, select the request header name; to add a request header proxy authentication exception, click **Add New Request Header Proxy Authentication Exception**.
2. In the **Add/Update Request Header Proxy Authentication Exception** screen, enter or edit entries for the fields in the table below.
3. Click **Submit**.
4. Click **Save Changes**.
5. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>Header</b>	Exempt clients' browsers/programs which send specific HTTP request headers listed here. Example:: Header:User-Agent Pattern Regex:Java.*
<b>Pattern Regex</b>	Enter the pattern regex in the text box.
<b>Enabled</b>	Select to enable this option.

## Source IP Proxy Authentication Exceptions

To specify Source IP Proxy Authentication Exceptions for the Barracuda Web Security Service Connector:

1. In the **Source IP Proxy Authentication Exceptions** area: to edit an exception, select the exception name; to add an exception, click **Add New Source IP Proxy Authentication Exception**.
2. In the **Add/Update Source IP Proxy Authentication Exception** screen, enter or edit entries for the fields in the table below.
3. Click **Submit**.
4. Click **Save Changes**.
5. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>IP Address</b>	IP Address of the Source to be exempted.
<b>Netmask</b>	Netmask for the Source IP Address.
<b>Enabled</b>	Select to enable this option.

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## Destination IP Proxy Authentication Exceptions

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To specify Destination IP Proxy Authentication Exceptions for the Barracuda Web Security Service Connector:

1. In the **Destination IP Proxy Authentication Exceptions** area: to edit an exception, select the exception name; to add an exception, click **Add New Destination IP Proxy Authentication Exception**.
2. In the **Add/Update Destination IP Proxy Authentication Exception** screen, enter or edit entries for the fields in the table below.
3. Click **Submit**.
4. Click **Save Changes**.
5. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>IP Address</b>	IP Address of the Destination to be exempted.
<b>Netmask</b>	Netmask for the Destination IP Address.
<b>Enabled</b>	Select to enable this option.

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## Domains Not Cached

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To specify Domains excepted from caching for the Barracuda Web Security Service Connector

1. In the **Domains Not Cached** area: to edit a Domain, select the Domain name; to add a Domain, click **Add New No Cache Domain**.
2. In the **Add/Update No Cache Domain** screen, enter or edit entries for the fields in the table below.
3. Click **Submit**.
4. Click **Save Changes**.
5. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>Domain Name</b>	Name of Domain exempted from caching.
<b>Enabled</b>	Select to enable this option.

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## Exempt Domains

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To specify Domains to exempt from sending to the Barracuda Web Security Service (applies in Service Enforcement mode only):

1. In the **Exempt Domains** area: to edit a Domain, select the Domain name; to add a Domain, click **Add New Exempt Domain**.
2. In the **Add/Update Exempt Domain** screen, enter or edit entries for the fields in the table below.
3. Click **Submit**.
4. Click **Save Changes**.
5. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>Domain Name</b>	Name of Domain whose traffic is not sent to the Barracuda Web Security Service.
<b>Enabled</b>	Select to enable this option.

## Exempt Networks

To specify Networks to exempt from sending to the Barracuda Web Security Service (applies in Service Enforcement mode only):

1. In the **Exempt Networks** area: to edit a Network, select the Network name; to add a Network, click **Add New Exempt Network**.
2. In the **Add/Update Exempt Network** screen, enter or edit entries for the fields in the table below.
3. Click **Submit**.
4. Click **Save Changes**.
5. When prompted to sync the Barracuda Web Security Service Connector, click **Sync**.

Field	Description
<b>Network</b>	Name of Network whose traffic is not sent to the Barracuda Web Security Service.
<b>Enabled</b>	Select to enable this option.

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