

## How to Configure Your Firewall to Allow LDAP Settings

<https://campus.barracuda.com/doc/84312832/>

Barracuda Cloud Control (BCC) offers three methods of connecting to your LDAP server:

- Use a standard LDAP connection.
- Use LDAP over SSL or LDAP/STARTTLS. This option offers additional security.
- Further refine your firewall policy to only *allow* traffic from Barracuda IP addresses and ranges, and restrict ports to the protocol you choose.

**See also [Active Directory Authentication](#), which describes how to ensure uninterrupted access to your LDAP server from the Barracuda Cloud by allowing incoming connections from specific Barracuda IP ranges. The article also notes specific settings for LDAP attributes.**

This example shows a firewall rule on a Barracuda CloudGen Firewall. Note that all three protocols are included, but not necessary, depending on the auth protocol you select. Figure 1 shows a network object to correspond with Barracuda network ranges. See [Active Directory Authentication](#) for the current list of IP addresses ('Include Entries') to use in your policy.

**Figure 1.**

Edit/Create Network Object

General

TypeGeneric Network Object (IP, Network, Ranges)

NameBCC LDAPResolve

Description

Network Color

Include Entries

+

IP / Ref / Geo	Comment

Exclude Entries

+

IP / Ref / Geo	Comment
----------------	---------

☐ Enable L3 Pseudo Bridging

OKCancel

Figure 2 shows an example firewall rule where the destination is the public IP address or DNS name of your environment. See [Active Directory Authentication](#) for the current list of IP addresses ('Source') to use in your policy.

**Figure 2.**

**Edit Rule: LDAPBCCFWD [Rule]**

---

**Views** ⬆️

- Rule
- Advanced
- ICMP Handling

**Object Viewer** ⬆️

☒ Object Viewer

	<b>Dst NAT</b> ▾	<b>LDAPBCCFWD</b>
<input type="checkbox"/> Bi-Directional <input type="checkbox"/> Dynamic Rule <input type="checkbox"/> Deactivate Rule		
<b>Source VR Instance</b>		<b>Destination VR Instance</b>
default ▾		default ▾
Source	Service	Destination
BCC LDAP ▾ <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div>	<explicit-srv> ▾ Ref: LDAP Ref: LDAP-SSL Ref: HTTP +S	<explicit-dest> ▾ <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div>
<b>Redirection</b> Create Proxy ARP <input type="checkbox"/> Target List                  Reference <input type="checkbox"/> <div style="border: 1px solid #ccc; padding: 2px; width: 100%;">192.168.20.10</div> Fallback ▾ List of Critical Ports <div style="border: 1px solid #ccc; height: 20px; margin-top: -1px;"></div>		
Authenticated User	Policies	Connection Method
Any ▾ <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div> <div style="background-color: #f0f0f0; height: 15px; margin-bottom: 2px;"></div>	IPS Policy No Scan ▾ Application Policy No AppControl SSL Inspection Policy N.A. ▾ Schedule Always ▾ QoS Band (Fwd) Interactive (ID 1) ▾ QoS Band (Reply) Like-Fwd ▾	Original Source IP ▾ Original Source IP (same port)

OK
Cancel

## Figures

1. NetworkObject.png
2. FirewallRuleLDAP.png

© Barracuda Networks Inc., 2024 The information contained within this document is confidential and proprietary to Barracuda Networks Inc. No portion of this document may be copied, distributed, publicized or used for other than internal documentary purposes without the written consent of an official representative of Barracuda Networks Inc. All specifications are subject to change without notice. Barracuda Networks Inc. assumes no responsibility for any inaccuracies in this document. Barracuda Networks Inc. reserves the right to change, modify, transfer, or otherwise revise this publication without notice.