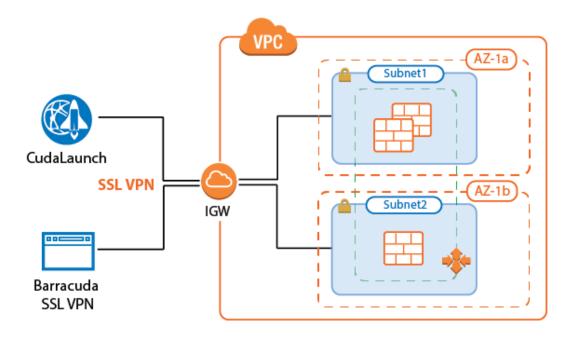


How to Configure the SSL VPN Services for AWS Auto Scaling Clusters

https://campus.barracuda.com/doc/79462854/

Let your users connect to a network in an AWS Auto Scaling cluster using SSL VPN. Enable the SSL VPN service and CudaLaunch, create a group access policy, and configure the login and authentication settings for the SSL VPN connections. To use SSL VPN, you must upload a certificate to the AWS certificate manager. For CudaLaunch on iOS, CloudGen Firewall Auto Scaling Clusters are supported for CudaLaunch 2.3.0 or higher.



Before You Begin

• Configure an external authentication server or NGF local authentication. For more information, see Authentication.

Step 1. Disable Port 443 for Site-to-Site and Client-to-Site VPN

- 1. Go to CONFIGURATION > Configuration Tree > Box > Assigned Services > VPN-Service > VPN Settings.
- 2. Click Lock.
- 3. Set Listen on port 443 to No.
- 4. Click OK.



5. Click **Send Changes** and **Activate**.

Step 2. Enable the SSL VPN Service

- 1. Go to CONFIGURATION > Configuration Tree > Box > Assigned Services > VPN-Service > SSL-VPN.
- 2. In the left menu, click **SSL VPN Settings**.
- 3. Click Lock.
- 4. Set Enable SSL VPN to Yes.



5. Click **Send Changes** and **Activate**.

Step 3. Configure SSL VPN General Service Settings

- 1. Go to CONFIGURATION > Configuration Tree > Box > Assigned Services > VPN-Service > SSL-VPN.
- 2. In the left menu, select **Service Setup**.
- Expand Configuration Mode and click on Switch to Advanced View.
- 4. Click Lock.
- 5. Verify that the **Listen IP** for the SSL VPN service is correct, or click + to add a **Listen IP**. E.g., 127.0.0.9



- 6. Enable **Restrict to Strong Ciphers Only**.
- 7. (optional) Configure a custom **SSL Cipher Spec** string to be used by the SSL VPN service.
- 8. Set Strict SSL Security to yes.

This setting might break access for some older client SSL implementation. Disable if you experience problems when using older browsers.

- 9. Select the **Identification Type**:
 - Generated-Certificate The certificate and the private key is automatically created by the firewall.
 - Self-Signed-Certificate Click New Key to create a Self-Signed Private Key and then Edit to create the Self-Signed Certificate.
 - External-Certificate Click Ex/Import to import the CA-signed External Certificate



and the External-Signed Private Key.



- 10. Configure the following settings:
 - Use Max Concurrent Users Set to no.
 - **Session Timeout (m)** Set to 30. This setting must match with the timeout on the ELB.
- 11. Click Send Changes and Activate.

Step 4. Configure a User Identity Access Control Policy

- 1. Go to CONFIGURATION > Configuration Tree > Box > Assigned Service > VPN-Service > SSL-VPN.
- 2. In the left menu, click Access Control Policies.
- 3. Click Lock.
- 4. Click + to add an Access Control Policy.
- 5. Enter the **Name** for the access control policy.
- 6. Click OK.
- 7. In the **Access Control Policy** section, select the **Active** check box.



- 8. In the **Group Access** section, click + to add **Allowed Groups** and **Blocked Groups**. Click x to remove an entry from the table.
 - In **Allowed Groups**, either add an asterisk (*) to allow all groups, or enter one or more group names. Leaving the **Allowed Groups** empty causes the **Access Control Policy** to block all authentication attempts.
- 9. In the Authentication section, click + to add an Authentication Scheme.

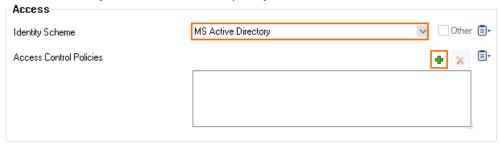


- 10. Select Use Identity from the Authentication Scheme drop-down list and click OK.
- 11. Click **OK** to exit the configuration.
- 12. Click Send Changes and Activate.



Step 5. Configure Login to Log In with User Identity

- 1. Go to CONFIGURATION > Configuration Tree > Box > Assigned Services > VPN-Service > SSL-VPN.
- 2. In the left menu, click **SSL VPN Settings**.
- 3. Click Lock.
- 4. In the **Access** section, set the **Identity Scheme** to your preferred authentication method, e.g., MS-Active Directory.
- 5. Click + to add your access control policy to the list of **Access Control Policies**.



6. From the pop-up menu, select the access control policy that you configured in Step 4 for **Use Identity**, i.e., ACCE01.



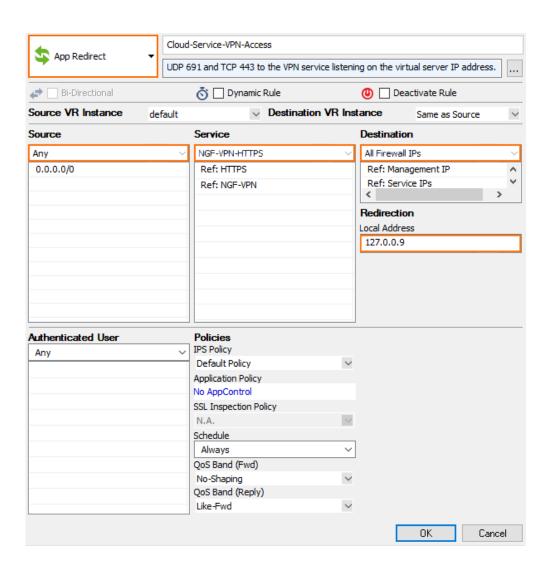
- 7. (optional) In the **Dynamic App Super Users** field, add user groups that should be allowed to enable and disable dynamic apps.
- 8. (optional) Customize the login messages and logos:
 - Import a 200 x 66-pixel PNG or JPG image to customize the **Logo**.
 - Enter a plain text **Login Message**. E.g., Welcome to the Barracuda CloudGen Firewall SSL VPN.
 - Enter a Help Text (HTML).
- 9. Click Send Changes and Activate.

Step 6. Create Access Rules

Verify the the access rule CLOUD-SERVICE-VPN-ACCESS is present in the forwarding ruleset. If not, create the rule. Use the following settings:

- Action Select App Redirest.
- Source Select Any.
- Service Select NGF-VPN-HTTPS .
- **Destination** Select the network object containing all firewall IPs.
- **Redirection** Enter the IP address of the VPN service. E.g., 127.0.0.9.





Troubleshooting

- If the **sslvpn** log contains the following line: http_listener: failed to listen on <IP address>@443 verify that no other service on the firewall is running on that port and that no Dst NAT access rules are forwarding TCP port 443 (HTTPS) traffic.
- Updating certificates requires the SSL VPN service to be restarted. To do this in an ASG, scale the ASG to a size of one. Then restart the VPN (SSL VPN) service. Then scale out, or wait for the scaling policies to scale your ASG out to the desired size.

Barracuda CloudGen Firewall



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