

## **Network Access Control Lists**

https://campus.barracuda.com/doc/17989784/

You configure network Access Control Lists (ACLs) to match IP traffic with a corresponding firewall action. If there is a rule match, the specified firewall action is executed. ACLs can be created by matching a source network/host, or by designating an IP Reputation pool as the source. Network ACL rules regulate traffic passing between a source IP address and a destination IP address. Geo ACL rules regulate traffic originating from a specific geographic location based on its IP reputation (configured on the **NETWORK > IP Reputation** page).

The following types of ACLs can be configured:

- Global Start
  - Global Network ACL
  - Global Geo ACL
- Service
  - Service Network ACL
  - Service Geo ACL
  - Default ACL
- Global End
  - Global Network ACL
  - o Global Geo ACL

The ACLs configured under global\_start are the system rules associated with all Services configured on the Barracuda Load Balancer ADC. The global ACL (global\_start) rules override ACLs configured under the Service (if configured).

The following outlines when rule actions are performed:

- 1. Incoming packets are checked for a match with the global\_start ACLs. If there is a match, the corresponding action (allow/deny) is applied.
- 2. If not, the packets are matched with the ACLs configured under the Service (if any).
- 3. If the packet does not match global\_start ACLs (Network or Geo) and Service ACLs (Network or Geo), the packet is matched with the Services Default ACL rule and the corresponding firewall action is performed.
- 4. If the packet does not match any of these ACLs, the packets are matched with the global\_end Network ACL rules.
- 5. If no ACL rules are configured under global end, the packets are passed through.

Multiple Network and Geo ACLs can be configured for a Service. Each ACL is prioritized in ascending order and defines the permission rights for clients or servers attempting to access the contents of a Service. IP addresses set within any ACL should be unique and not derived from any other ACLs.

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#### To create a Network or Geo ACL rule:

- 1. Go to the **NETWORK > Network Firewall** page.
- 2. In the **Network ACLs** section:
  - Click **Network** or **Geo** next to **global\_start** or **global\_end** (if you want to add a global ACL rule that will be matched with all incoming packets).
  - Click **Network** or **Geo** next to a Service to add a Service specific ACL rule.
- 3. Specify values for the given fields and click **Save**.

For more information, click **Help** on the relevant page of the web interface.

### **ACLs for Forwarded Traffic**

ACLs allow traffic from designated clients to pass through the Barracuda Load Balancer ADC to the back-end servers without any security validations.

#### To add ACLs for Forwarded Traffic:

- 1. Go to the **NETWORK > Network Firewall** page.
- 2. In the ACLs for NAT/Forwarded Traffic section, click Add ACL.
- 3. In the **Add ACL for NAT/Forwarded Traffic** window, specify the values for the given fields and click **Save**.

For more detailed information, click **Help** on the relevant page of the web interface.

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