

EdgeXOS Platform Notes

XRoads Networks

Edge Network Appliance Platform Notes

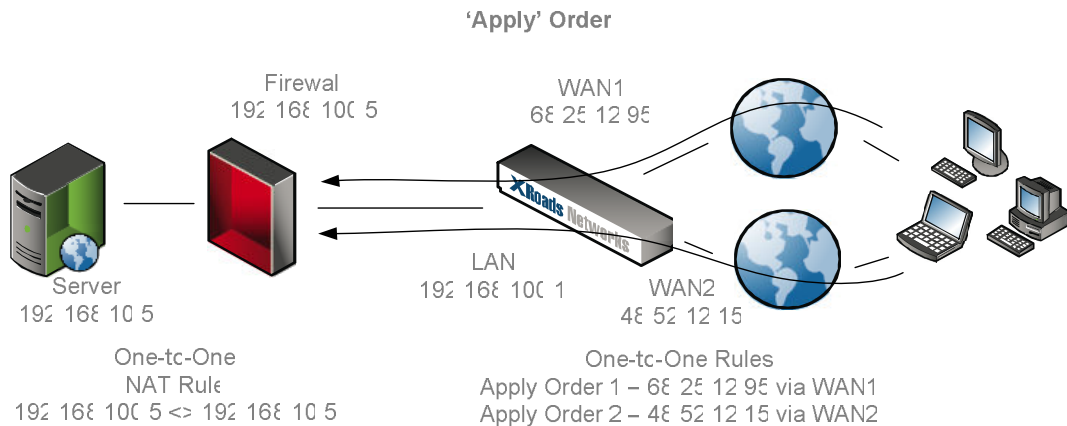
EdgeXOS 'Apply' Policies 101

NAT 'Apply' Policies Overview

This document provides an overview of the 'Apply' policies and how they are used to order various NAT rules. The 'Apply' policies can be used with One-to-One, One-to-Many and Vector Map rules. Each can be found under the NetBalancing tab.

How Apply Ordering Works: The 'Apply' order works by assigning a specific rule with an ID number. This number is used to determine which rule to apply when there are multiple overlapping and/or conflicting rules.

For example, in the diagram below there are two one-to-one NAT mappings going to the same IP address on the firewall (192.168.100.5). One-to-one NAT rules only allow one O2O rule per LAN address, however we want to setup failover for WAN2 in the event WAN1 has an outage.



With the 'Apply' policies you are able to create two O2O NAT rules, one for each WAN interface. As long as WAN1 is up the Apply Order 1 rule will be in effect, if WAN1 suffers and outage the Apply Order 2 rule will be in effect.

Example: One-to-One Apply Order: The following screen shots show how the apply order would be configured using the example above.

Service Name: (Must be different from One-To-Many)

(Check this to forced source NATing when the selected interface is in BACKUP mode)

(Check this to automatically create a reverse Vector Map)

External Address: . . . (Must be available via the WAN port selected below)

Inbound Interface:

Internal Address: (Forward Address(es) Must be available via the LAN interface)

(Server load balancing can be accomplished by entering the following xxx.xxx.xxx.yyy-xxx.xxx.xxx.zzz)

Apply Order:

Service Name	Interface	External Addr	Internal Addr	Source NAT	Apply Order
Primary_Rule	WAN1	68.25.12.95	192.168.100.5	On	1
Secondary_Rule	WAN2	48.52.12.15	192.168.100.5	Off	2