

*EdgeXOS Platform Notes*

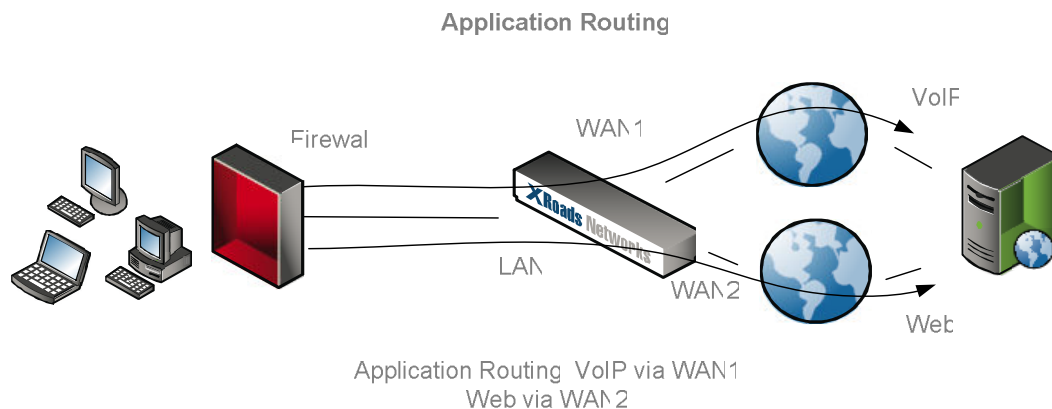
# **XRoads** Networks

Edge Network Appliance Platform Notes  
EdgeXOS Application Routing 101

## Application Routing Overview

This document provides an overview of how you can force an application out a specific WAN interface. Application routing can be used to increase throughput for critical applications, force lower priority traffic out slower WAN links, and modify how traffic is balanced based on application selection.

**Improve Critical Application Throughput:** An easy way to improve critical application connectivity, like VoIP, or Citrix, or other mission critical real-time service, is to offload lower priority applications to your secondary WAN links. By offloading these non-critical applications it frees up bandwidth over your primary WAN link for these mission critical applications.



In this example you can see how this offloading can be accomplished. In this case VoIP is the critical application and it is forced out the WAN1 connection. Web traffic is the non-critical traffic and it is forced out the WAN2 connection, thus improving WAN1 bandwidth for the VoIP traffic as it is not competing for bandwidth over the WAN1 link.

**Application Routing Configuration:** Adding a new Application Routing rule is easy, simply click the NetBalancing tab and select the Application Routing menu.

- Step 1) Select the service (or create a new service)
- Step 2) Optionally enter a specific device instead of the default which is all devices
- Step 3) Select the WAN interface for this outbound traffic

<b>Service:</b> ?	VOIP -----> VOIP	<input type="button" value="New Service"/>
<b>Source Address:</b> ?	Optional - <input type="text"/>	(Route Based On Address)
<b>Route Method:</b> ?	WAN1	(During a WAN failure condition, the service will be automatically redirected)

Service Name	Interface	Protocol	Start Port
VOIP	wan1	VOIP	VOIP
WebHTTP	wan2	TCP	80