



Domain-based Routing with Dual WAN 6310-DX

Domain-based Routing with Dual WAN

Difficulty: *Beginner*

Minimum firmware version: *18.10.225.15*

Goal

To use the Digi ACL device's cellular modem in tandem with its primary WAN Ethernet port, but send traffic destined for a specific domain to the WAN Ethernet port and never through the cellular modem.

Setup

This article assumes the LAN ports are operating under default settings, which provide DHCP connectivity to devices connected to the ACL device's LAN ports.

For this setup, you will need the ACL device setup with both a primary WAN Ethernet connection, and a cellular modem connection.

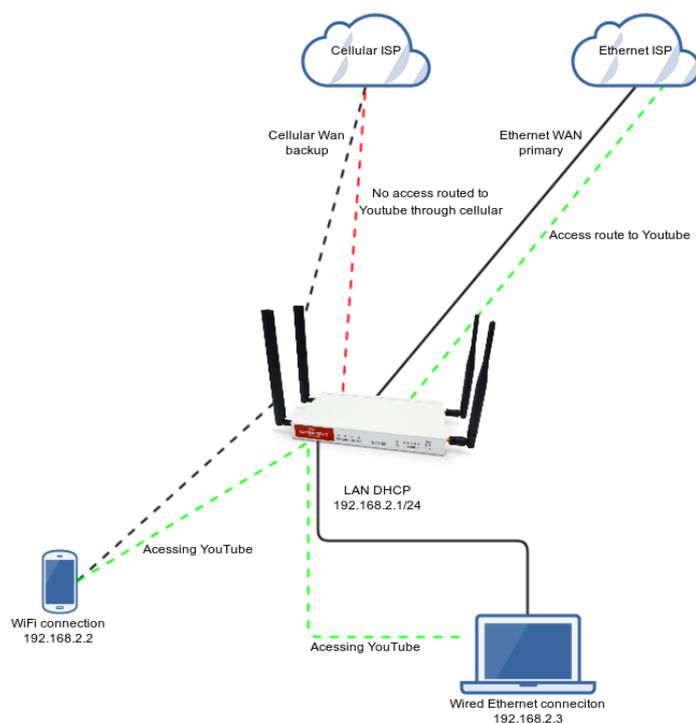
Sample

The sample configuration below shows Digi ACL router (in this example, a 6350-SR) with two Internet connections: a cellular-based WAN connection through the 6350-SR's modem, and a broadband-based WAN connection through the 6350-SR's WAN Ethernet port.

This setup shows two client devices on a 6350-SR's LAN ports, a smartphone and a laptop. The smartphone and the laptop receive their IP address via DHCP from the 6350-SR.

The domain-based routing we are going to setup will accomplish the following.

1. The 6350-SR uses the Ethernet WAN as its primary interface.
2. The 6350-SR has a cellular modem connection, used as a secondary WAN interface.
3. The 6350-SR send any traffic destined for youtube.com through the Ethernet WAN interface. If the Ethernet WAN connection is down, the 6350-SR will drop any packets destined for youtube.com



Sample Configuration

Open the configuration profile for the 6350-SR and make the following changes.

1. Under **Network -> Routes -> Policy-based routing**, setup a new policy with the following settings:
 1. **Interface:** WAN
 2. **Source address -> Type:** Zone (this is the default)
 3. **Source address -> Zone:** Any (this is the default)
 4. **Destination address -> Type:** Domain
 5. **Destination address -> Domains:** youtube.com
2. Save the configuration.

If you would like to setup additional domains to be routed in the same way, you can add more domains by clicking on the **Add** button next to **Add Domain**, then enter in the additional domain site.

Network

- Interfaces
- Virtual LAN
- Bridges
- Routes
 - Static routes
 - Policy-based routing
 - 1. youtube only through wan
 - Enable
 - Label youtube only through wan
 - Interface Interface: WAN
 - Exclusive
 - IP version Any
 - Protocol Any
 - Source address
 - Destination address
 - Type Domain
 - Domains
 - 1. Domain youtube.com

- Routing services

Modems