Dual WAN Policy-based Routing

6330-MX and 6350-SR

Dual WAN Policy-based Routing

Difficulty: *Intermediate*

Minimum firmware version: *17.11.125*

Goal

To use the 635xx-series router's cellular modem in tandem with its primary WAN Ethernet port, but direct certain IP addresses destinations to go always through the cellular modem's Internet connection.

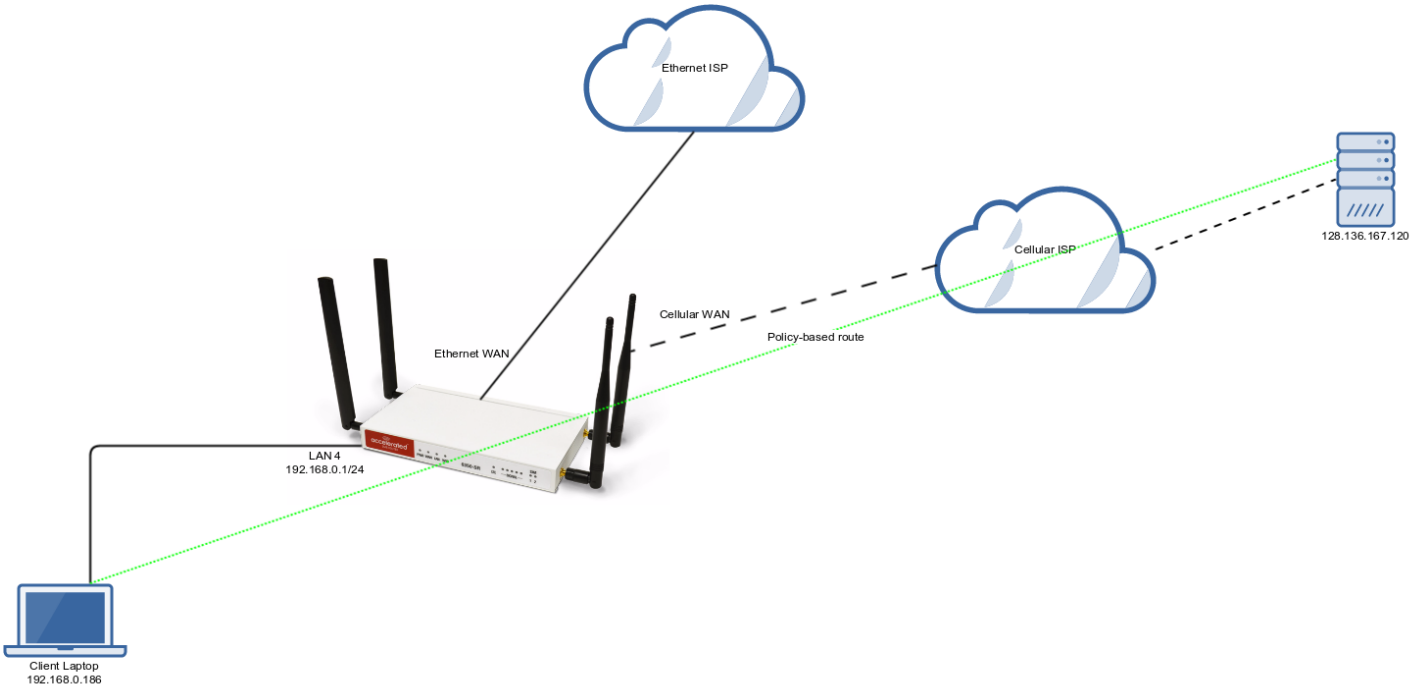
Setup

This article assumes the LAN ports are operating under default settings, which provide DHCP connectivity to devices connected to the 63xx-series router's LAN ports. For more details on the default settings of the 63xx-series router, see the ***Default Settings*** section of the User's Manual.

For this setup, you will need the 63xx-series router with both a primary WAN Ethernet connection, and a cellular modem connection.

Sample

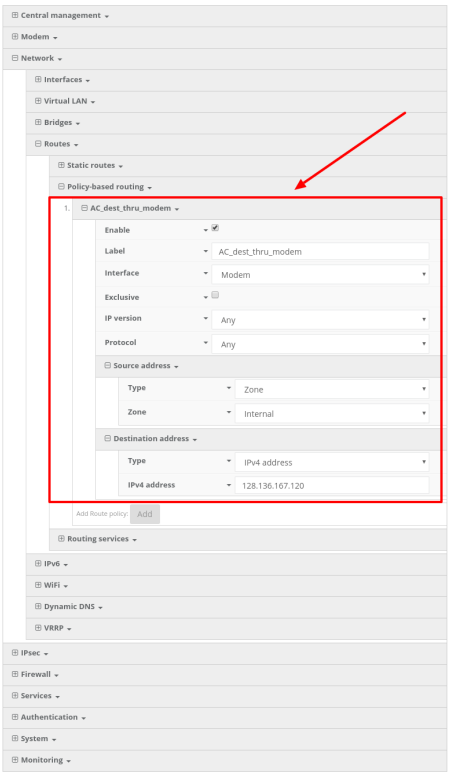
The sample configuration below shows a 63xx-series router with two Internet connections: a cellular-based WAN connection through the 63xx-series router's modem, and a broadband-based WAN connection through the 63xx-series router's WAN Ethernet port. The 63xx-series router's cellular WAN connection will be used to provide access to the 128.136.167.120 IP address, while all other access will be sent through the primary WAN Ethernet connection.



Sample Configuration

Under ***Network -> Routes -> Policy-based routing***, setup a new policy with the following settings:

1. ***Interface:*** Modem
2. ***Source address -> Type:*** Zone
3. ***Source address -> Zone:*** Internal
4. ***Destination address -> Type:*** IPv4 address
5. ***Destination address -> IPv4 address:*** 128.136.167.120


Central management
Modem
Network
Interfaces
Virtual LAN
Bridges
Routes
Static routes
Policy-based routing
1.
AC_dest_thru_modem
Enable
Label
AC_dest_thru_modem
Interface
Modem
Exclusive
IP version
Any
Protocol
Any
Source address
Type
Zone
Zone
Internal
Destination address
Type
IPv4 address
IPv4 address
128.136.167.120
Add Route policy:
Add
Routing services
IPv6
WiFi
Dynamic DNS
VRRP
IPsec
Firewall
Services
Authentication
System
Monitoring