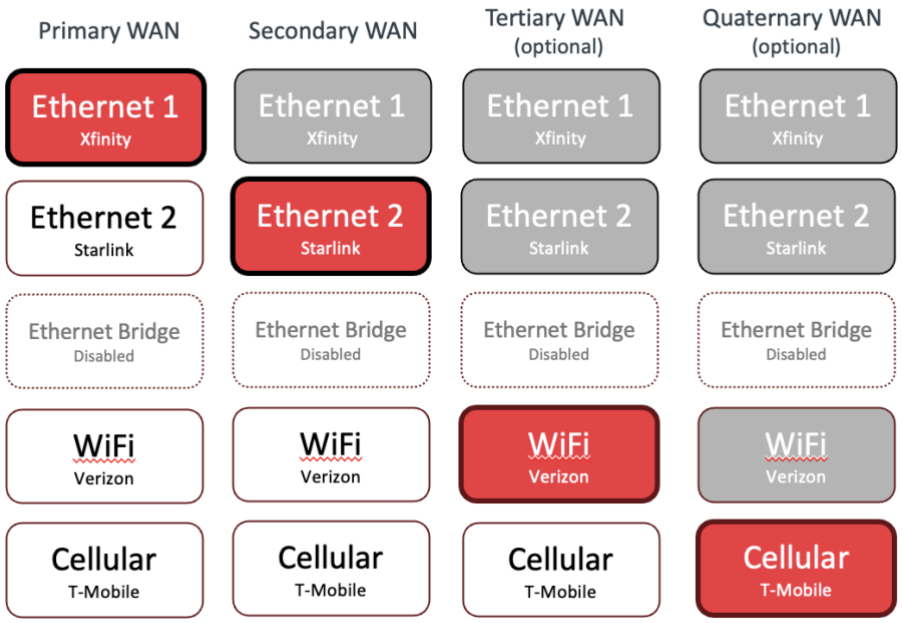
WAN FAILOVER SETUP GUIDE

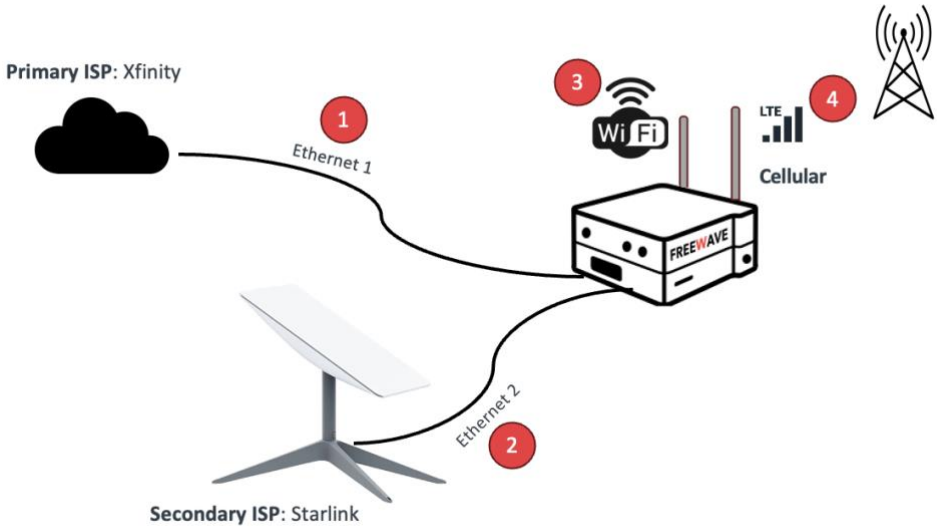
Elements™ ES1000 with FreeWave Zentry™ powered by zero trust

WAN Failover

WAN Failover keeps your ES1000 and downstream connected through network disruptions. If the primary connection becomes unavailable or unstable, the ES1000 automatically moves traffic to the next available link with no manual intervention.

In the example shown below, Ethernet 1 (Xfinity) is configured as the Primary WAN, Ethernet 2 (Starlink) as the Secondary WAN, WiFi (Verizon) as the Tertiary WAN, and Cellular (T-Mobile) as the Quaternary WAN.

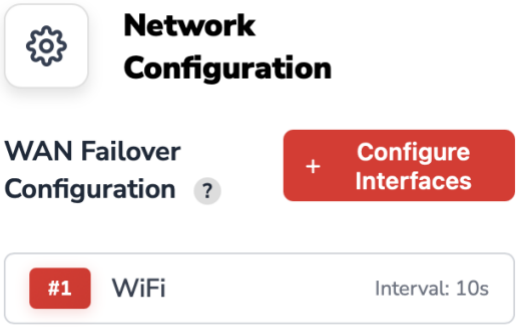




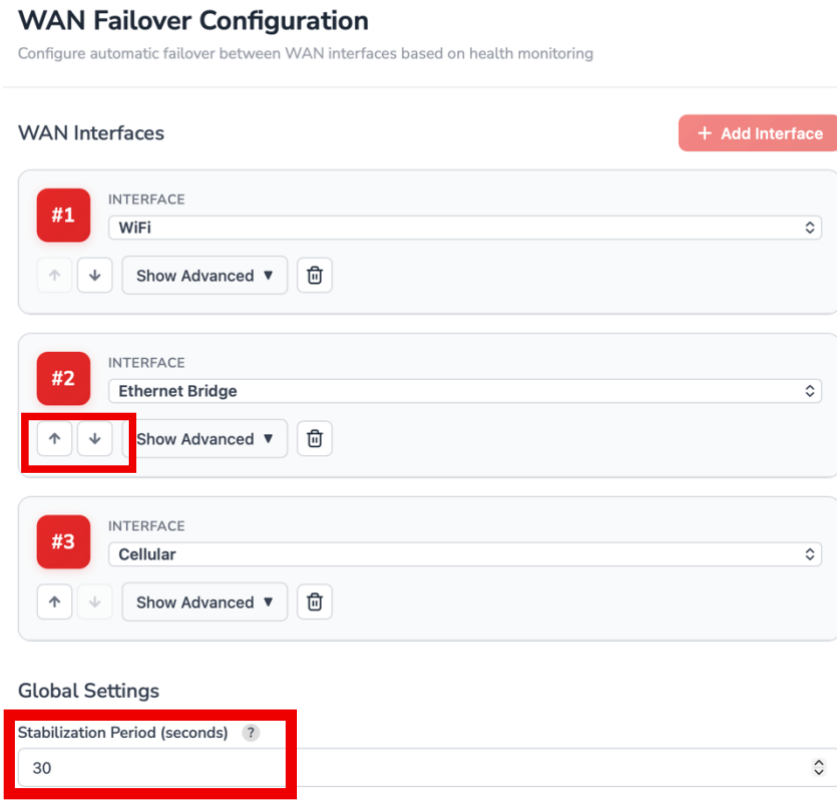
Option 1: Enabling WAN Failover Through Network Configuration

In this example, we'll configure WAN Failover so that WiFi is the primary WAN, with Ethernet Bridge as the secondary failover and Cellular as the tertiary failover all setup through the Network Configuration card in the ES1000 interface.

1. From the main menu, select the Network tile.
2. Click on the gear next to Network Configuration.
3. Click the +Configure Interfaces button.



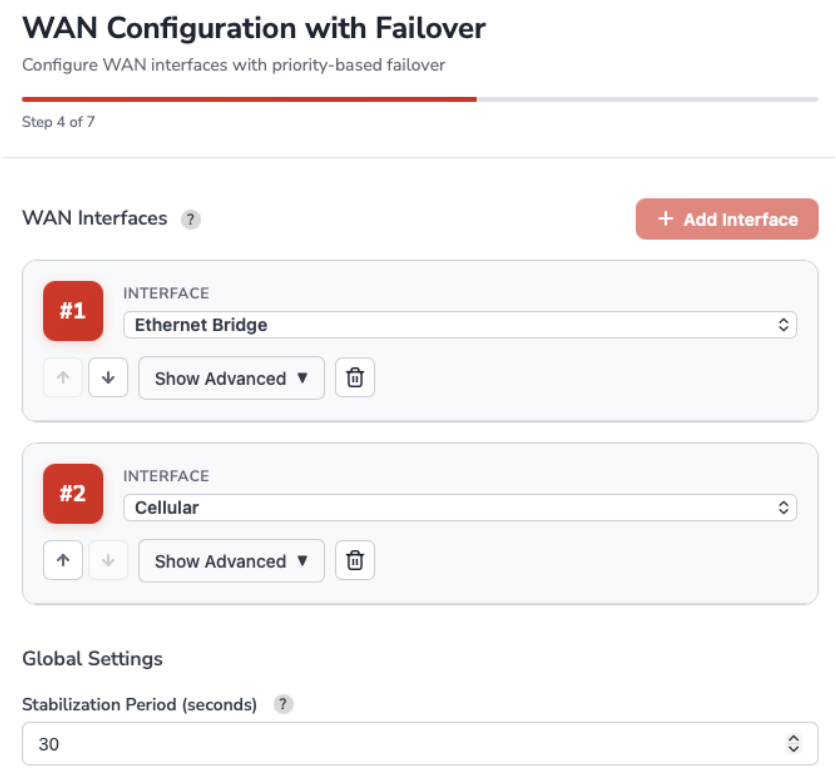
4. Click the +Add Interface button and add additional WAN interfaces as desired.
5. Click the dropdown menu or utilize the up and down arrows to change the order of which you'd like to failover.
6. Enter 30 for Stabilization Period to prevent rapid switching between networks.
7. Click Update.
8. Click Save Configuration.
   NOTE: If you have NAT configured, a dialog box will appear. Click Begin Resolution, confirm correct settings, and Apply Configuration.



Option 2: Enabling WAN Failover with Network Setup Wizard

This example we will be using the Network Setup Wizard to setup a WiFi hotspot that will use Ethernet Bridge as the primary WAN with Cellular failover.

1. Click Network Setup Wizard in the top right corner of the main menu.
2. Read the Notes and click Next.
3. Click Bridged to allow both Ethernet ports to act as a single switch, then click Next.
4. Click Access Point under WiFi Interface to create a WiFi hotspot for other devices.
5. Enter your desired WiFi network information under Access Point Name (SSID) and Password. Click Next to proceed to WAN Configuration with Failover.
6. Click +Add Interface button to add network interfaces you'd like to include in the failover.
7. Enter 30 for the Stabilization Period under Global Settings then click Next to proceed to Internet Sharing.
8. Click the checkboxes next to WiFi Access Point and User OS Interface to share the internet with your Access Point and third-party software on User OS. Then click next to proceed to Configure your Ethernet Ports.
9. Click Next to proceed to Configuration Summary. In this example we will be using DHCP for our internet connection, if we were using Static IP then we would check this box and enter the IP Address, Subnet Mask, and Gateway information.



10. Confirm your settings are correct and click Apply Configuration. A dialog box will appear while the ES1000 applies your network configuration settings.
11. Click Continue to return to the ES1000 main menu.

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