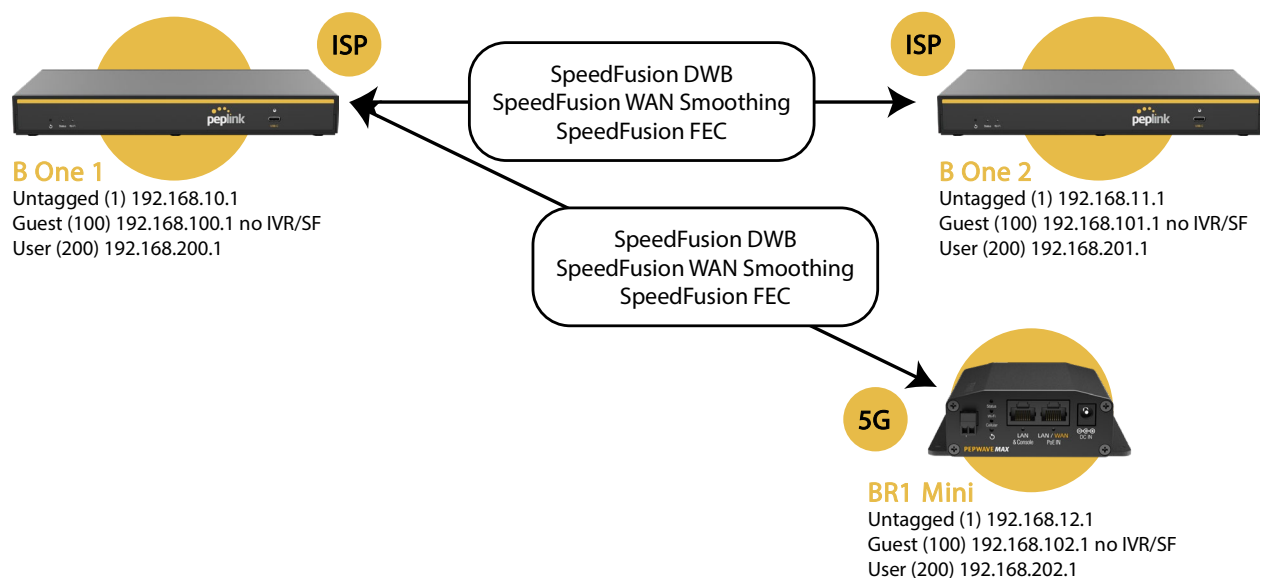


ZERO TOUCH LAB GUIDE

Introduction

The Zero Touch Lab is designed to demonstrate automated network provisioning and seamless configuration using Peplink devices and SpeedFusion technology. This lab provides a hands-on approach to deploying a secure, resilient, and optimized WAN environment without manual intervention at each device.



1. Hardware Setup

- Add the following devices:
 - Bone 1: Balance One
 - Bone 2: Balance Two
 - BR1 Mini: Switch
 - IC2: InControl2 for management
- Assign a tag to each device: bone1, bone2, br1mini.
- Add the bone1 tag to the switch and IC2.

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2. User & Group Configuration

- Create guest and user VLANs and assign them to all devices.
- Use group management to configure:
 - Untagged VLAN
 - Guest VLAN
 - User VLAN IPs for each device.

3. Routing & Profiles

- Create a static route:
 - 10.1.205.0/24 → 192.168.10.2 on bone1.
- Enable OSPF only for:
 - Untagged VLAN
 - LAN on OSPF.
- Create a SpeedFusion profile with:
 - WAN Smoothing
 - FEC (Forward Error Correction).

4. VLAN & Network Setup

- Create VLAN groups:
 - Untagged: 192.168.10.1/24
 - Guest: 192.168.10.101
 - User: 192.168.201.1
- Add DNS servers:
 - 192.168.10.1
 - 192.168.10.2
 - 192.168.201.1

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5. SpeedFusion Configuration

- Enable SpeedFusion bonding for:
 - Teams
 - Zoom
 - Webex.
- Create streaming rule:
 - Send traffic 192.168.10.7/32 over the tunnel.

6. Firewall & Security

- Create firewall rules:
 - Block guest traffic from accessing user or untagged VLAN.
 - Allow DNS resolution.
 - Block all incoming traffic except necessary ports.
- Enable DoS prevention.

7. Admin & Alerts

- Set admin username and password.
- Enable alerts:
 - Notify if router goes offline or tunnel fails.
- Create content filtering:
 - Block adult content.
 - Restrict access to 443 only on LAN and untagged VLAN.

8. Testing & Validation

- Assign tags for each bone and BR1 Mini.
- Apply configuration to each device.
- Factory Reset EVERYTHING and TEST.