

ScreenOS: Configure Guest WAP Segment

Product: ScreenOS

Version: Tested Version 6 and up

Network Topology:

Connecting WAP to SSG port ethernet0/6

This removes ethernet0/6 from the default trust bgroup0 for isolation

Description:

Provide a Guest Wireless Access Point (WAP) on a non-wireless enabled SSG firewall. Configured with a security zone guestwifi that has internet access only and no allowed connections to other segments.

Configuration:

1. Create guestwifi security zone
set zone name guestwifi

The screenshot shows the 'Network > Zones > Configuration' page in the ScreenOS web interface. The 'Zone Name' field is set to 'guestwifi'. The 'Virtual Router Name' is set to 'trust-vr'. The 'Zone Type' is set to 'Layer 3'. The 'Tunnel Out Zone' is set to 'Trust'. Below these fields, there are several checkboxes: 'Block Intra-Zone Traffic' (unchecked), 'If TCP non SYN, send RESET back' (unchecked), 'No DHCP Relay' (unchecked), 'TCP/IP Reassembly for ALG' (unchecked), and 'Asymmetric VPN' (unchecked). At the bottom of the form are 'OK' and 'Cancel' buttons.

2. Remove ethernet0/6 from bgroup0
3. Assign ethernet0/6 to wifi zone and give ip address 172.16.1.1/24
4. Create policy from guestwifi to untrust with nat for internet access
5. Create dhcp server on guestwifi zone (only if this is not provided on external WAP)
6. WAP Configuration:
 - Configure external WAP with 172.16.1.2/24 address and a default gateway of 172.16.1.1

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- or set the device to dhcp if supported
- Configure the desired wireless security settings on the WAP

Example configuration with comments

How to add comments to Junos configuration

Attach your configuration with confidential information removed and comments added.

Note: For configurations of Juniper products that are based on a GUI interface, it is recommended to put the completed screenshots (with comments) in Powerpoint or Word (and save it as a PDF).

Verification:

Connect on the new wireless segment and confirm internet access.