

# ScreenOS – Configure Backup Internet Interface With Automatic Failover

**Product:** ScreenOS

**Version:** 6.0 and higher

## Network Topology:

Two firewall interfaces configured in untrust zone. One for each internet service provider.

## Description:

You can setup a second internet service as a configured backup line for use during failure on the primary line. This utilizes interface backup and the track-ip features of ScreenOS 6.

This will automatically do the failover during the outage. This example assumes that ethernet0/0 is the current primary interface while ethernet0/1 is the new service interface.

## Configuration:

### *Setup the new service interface*

Add the ip address and untrust zone to ethernet0/1 or setup the dhcp on this interface for the new carrier. If this is a static configuration then add the second default route to the carrier provided address out ethernet0/1. On DHCP this route is added automatically. Establish the backup and primary interfaces. WebNetwork--Interfaces--BackupSelect Primary interface ethernet0/0Select Backup interface ethernet0/1Select Track-ip Hit ApplyCLIset interface ethernet0/0 backup interface ethernet0/1 type track-ip

### *Setup Track-ip Monitoring to detect failure*

Create the track-ip on interface ethernet0/0. This is an internet ip address that when this interface can no longer ping it is considered down. A good choice is the service provider DNS server for this line. WebNetwork--Interfaces--ListEdit ethernet0/0Monitor tabSelect enable track-ip hit applyHit Add Monitor track ipEnter ip address to ping (Carrier DNS)CLIset interface ethernet0/0 monitor track-ip ip set interface ethernet0/0 monitor track-ip ip 1.1.1.1

## Verification:

Look at interface list and observe that primary line is up and backup interface is down

Disconnect the primary interface cable and observe the change in status on the interfaces

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## References:

ScreenOS Concepts and Examples Guide

<http://www.juniper.net/techpubs/software/screenos/screenos6.2.0/index.html>

Volume 2 Fundamentals

Chapter 3 Interfaces

Configuring Backup Interfaces