

Tracking Objects – Ejemplos y Configuración Básica para rutas estáticas y route-maps

Introducción

Este documento provee una configuración muestra del feature Reliable Static Routing Backup Using Object Tracking feature, conocido también como **tracking objects**. Este feature da la habilidad al Cisco IOS software para utilizar Internet Control Message Protocol (ICMP) pings de forma que podamos identificar cuando un Point-to-Point over Ethernet (PPPoE) o un IP Security Protocol (IPSec) Virtual Private Network (VPN) tunnel va hacia abajo, permitiendo la entrada de una conexión backup desde un puerto alternativo. Este feature es compatible tanto para rutas estáticas como configuraciones con DHCP.

Alcances

Este documento sirve como guía de configuración básica y en ningún momento sustituye la información que se encuentra en CCO y CEC

Prerrequisitos

- Verificar en el Cisco Feature Navigator sobre Soporte en la plataforma y las imágenes de IOS.

Configuración

- A partir de la versión 12.3(8)T

```
rtr 1
  type echo protocol ipicmpEcho 41.41.41.254 source-ipaddr 4.4.4.1
  timeout 1000
  threshold 2
  frequency 3
  rtr schedule 1 life forever start-time now
  !
  track 123 rtr 1 reachability
  !
  ip local policy route-map MY_LOCAL_POLICY
  !
  ip route 0.0.0.0 0.0.0.0 4.4.4.254 track 123
  ip route 0.0.0.0 0.0.0.0 5.5.5.254 2
  !
```

```
access-list 101 permit icmp any host 41.41.41.254
!  
route-map MY_LOCAL_POLICY permit 10  
match ip address 101  
set ip next-hop 4.4.4.254
```

- A partir de la versión 12.3(14)T

```
ip sla monitor 1  
type echo protocol iplcmpEcho 41.41.41.254 source-ipaddr 4.4.4.1  
timeout 1000  
threshold 2  
frequency 3  
ip sla monitor schedule 1 life forever start-time now  
!  
track 123 rtr 1 reachability  
!  
ip local policy route-map MY_LOCAL_POLICY  
!  
ip classless  
ip route 0.0.0.0 0.0.0.0 4.4.4.254 track 123  
ip route 0.0.0.0 0.0.0.0 5.5.5.254 2  
access-list 101 permit icmp any host 41.41.41.254  
  
!  
route-map MY_LOCAL_POLICY permit 10  
match ip address 101  
set ip next-hop 4.4.4.254
```

- A partir de la version 12.4(4)T

```
ip sla 1  
icmp-echo 41.41.41.254 source-ip 4.4.4.1  
timeout 1000  
threshold 2  
frequency 3  
ip sla schedule 1 life forever start-time now  
!  
track 123 rtr 1 reachability  
!  
ip local policy route-map MY_LOCAL_POLICY  
!  
ip classless  
ip route 0.0.0.0 0.0.0.0 4.4.4.254 track 123  
ip route 0.0.0.0 0.0.0.0 5.5.5.254 2  
!  
access-list 101 permit icmp any host 41.41.41.254  
!
```

```

route-map MY_LOCAL_POLICY permit 10
match ip address 101
set ip next-hop 4.4.4.254

```

Verificación

```
Router# show ip route track-table
```

```
ip route 0.0.0.0 0.0.0.0 10.1.1.242 track-object 123 state is [up]
```

Información Relacionada

http://www.cisco.com/en/US/docs/ios/12_3/12_3x/12_3xe/feature/guide/dbackupx.html#wp1072790

Related Documents

Related Topic	Document Title
IPSec configuration tasks	The "Configuring IPSec Network Security" chapter in the Cisco IOS Security Configuration Guide
IPSec commands: complete command syntax, command mode, command history, defaults, usage guidelines, and examples	The Cisco IOS Security Command Reference
VPDN configuration tasks	The Cisco IOS VPDN Configuration Guide
VPDN commands: complete command syntax, command mode, command history, defaults, usage guidelines, and examples	The Cisco IOS VPDN Command Reference
PPPoE configuration tasks	The "Configuring Broadband Access: PPP and Routed Bridge Encapsulation" chapter in the Cisco IOS Wide-Area Networking Configuration Guide
PPPoE commands: complete command syntax, command mode, command history, defaults, usage guidelines, and examples	The Cisco IOS Wide-Area Networking Command Reference
DDR configuration tasks	<ul style="list-style-type: none"> • The "Dial-on-Demand Routing Configuration" part in the Cisco IOS Dial Technologies Configuration Guide • Configuring and Troubleshooting DDR Backup
DDR commands: complete command syntax, command mode, command history, defaults, usage guidelines, and examples	The Cisco IOS Dial Technologies Command Reference
IP SLAs configuration tasks	Cisco IOS IP SLAs Configuration Guide
IP SLAs commands: complete command syntax, command mode, command history, defaults, usage guidelines, and examples	Cisco IOS IP SLAs Command Reference