



ة:نيعل نيوكتلا اذهل تارابتخإ ةثالث كانه

- ىلإ لوخدلا ليجستل ةفلتخمل تاوطخل اءانثأ SSG ب ةقلعتمل اءاطخأل اءيحصت ديعبل ليعمل لبق نم ةمدخل.
- موقوي يذلا (SSD) ةبلص تانوكم نم ةعونصم ةركاذب دوزملا صارقأل كرحم ةزيم 1. 5. 2. يداحأل لوخدلا ليجستب
- SSD. اءاطخأ اءيحصت نيكمت

## ءءبل لبق

### تاءالطصاا

Cisco [تاءايملت تاءالطصا](#) عءار ، تاءنتسملا تاءالطصا لوح تامولعمل نم ديزم ىلع لوصحلل [ةينقتلا](#).

### ةيساسال تابلطمل

ءنتسملا اذهل ةصاخ ةيساسا تابلطتم ءوت ال

### ةمدختسملا تانوكمل

هانءا ةيءامل تانوكمل اوءماربل تاراءصإ ىلإ ءنتسملا اذهل ةءراول تامولعمل ءنتست

• 12.1(5)DC1 راءصإل ، Cisco C6400R (C6400R-G4P5-M) ءمارب

• 12.2(1) راءصإل ، Cisco 7200 (C7200-IS-M) ءمارب

ةصاخ ةيلعمل ةئيب يف ةءووءملا ةزهءال نم ءنتسملا اذهل يف ةمدقمل تامولعمل اءاشنإ م لمعت تنك اءا. (يضاءرفا) ءوسمم نيوكتب ءنتسملا اذهل يف ةمدختسملا ةزهءال عيمء ءءب هءاءختسا لبق رما يال لمءءملا ريثأءلل كمهف نم ءكأءف ، ةرشابم ةكبش يف

## نيوكتلا

ءنتسملا اذهل يف ءءووملا تازيملا نيوكت تامولعمل كل مءقء ، مسقلا اذهل يف

[ءاءا](#) مءختسا ، ءنتسملا اذهل يف ةمدختسملا رماوالا لوح ةيفاضا تامولعمل ىلع روءلل :ةظءالم (طقف نيءءسملا [ءالمءلل](#)) [رماوالا ءءب](#).

### ةكبشلل يطيءختلا مسرلا

هانءا يطيءختلا مسرلا يف ءءووملا ةكبشلا ءاءعإ ءنتسملا اذهل مءختسي

### تانيوكتلا

هانءا ءءووملا تانيوكتلا ءنتسملا اذهل مءختسي

[Cisco 6400 LAC \(Airelle\\_nrp3\)](#) •

[Cisco 7204 LNS \(فيض ملأ مسأ\)](#) •

[Cisco 677](#) •

### Cisco 6400 LAC (Airelle\_nrp3)

Building configuration...

```
Current configuration : 125008 bytes
!
! Last configuration change at 02:11:30 UTC Mon Jun 18 2001
! NVRAM config last updated at 00:43:51 UTC Mon Jun 18 2001
!
version 12.1
no service single-slot-reload-enable
service timestamps debug datetime msec
service timestamps log uptime
no service password-encryption
!
hostname arielle_nrp3
!
boot system tftp c6400r-g4p5-mz.121-5.DC1 172.17.247.195
logging rate-limit console 10 except errors
aaa new-model
aaa authentication login default none
aaa authentication login tty enable
aaa authentication ppp ayman group radius
aaa nas port extended
enable password ww
!
username ayman@cairo.com password 0 ayman
redundancy
main-cpu
auto-sync standard
no secondary console enable
ip subnet-zero
ip cef
no ip finger
no ip domain-lookup
!
!
vpdn enable
no vpdn logging
vpdn search-order domain
!
!
ssg enable
ssg default-network 10.200.56.0 255.255.255.0
ssg service-password cisco
ssg radius-helper auth-port 1645 acct-port 1646
ssg radius-helper key cisco
ssg next-hop download nxthoptbl cisco
ssg bind direction downlink Virtual-Template66
ssg service-search-order remote local
!
```

```

!
        interface Loopback3
ip address 200.200.200.1 255.255.255.252
!
!
        interface ATM0/0/0.61 point-to-point
description LAC L2TP connection to Ior
ip address 14.14.14.6 255.255.255.252
        pvc 61/61
        broadcast
        encapsulation aal5snap
!
!
!
        interface ATM0/0/0.5555 multipoint
        pvc 66/66
encapsulation aal5mux ppp Virtual-Template66
!
!
!
        interface Ethernet0/0/1
        no ip address
!
        interface Ethernet0/0/0
ip address 3.0.0.2 255.255.255.0
        no ip mroute-cache
        shutdown
        tag-switching ip
!
        interface FastEthernet0/0/0
ip address 10.200.56.6 255.255.255.0
        no ip mroute-cache
        half-duplex
!
!
        interface Virtual-Template66
        ip unnumbered Loopback3
peer default ip address pool ayman
ppp authentication pap ayman
!
!
!
        router eigrp 5
        network 14.14.14.4 0.0.0.3
        no auto-summary
        no eigrp log-neighbor-changes
!
ip local pool ayman 212.93.193.114 212.93.193.126
ip route 10.0.0.0 255.255.255.0 212.93.193.114
!
radius-server host 10.200.56.16 auth-port 1645 acct-port 1646
        radius-server retransmit 3
radius-server attribute 25 nas-port format d
        radius-server attribute nas-port format d
        radius-server key cisco
!
!
        line con 0
        exec-timeout 0 0
        login authentication tty
        transport input none
        line aux 0
        line vty 0 4

```



```

        terminate-from hostname nap
        local name cairo
        l2tp tunnel password 7 052827261363
        !
        !
        interface Loopback1
    ip address 212.93.194.5 255.255.255.252
        !
        interface Loopback2
    ip address 15.15.15.5 255.255.255.252
        !
        !
        interface FastEthernet0/0
    ip address 10.200.56.2 255.255.255.0
    ip ospf network point-to-multipoint
        no ip mroute-cache
        load-interval 60
        duplex half
        no cdp enable
        !
        interface ATM2/0
        no ip mroute-cache
        atm pvc 1 0 5 qsaal
        atm pvc 2 0 16 ilmi
        no atm ilmi-keepalive
        !
        !
        !
        !
        interface ATM2/0.61 point-to-point
        description L2TP tunnel link
    ip address 14.14.14.5 255.255.255.252
        pvc 61/61
        broadcast
        encapsulation aal5snap
        !
        !
        interface ATM2/0.5555 multipoint
        pvc 55/55
    encapsulation aal5mux ppp Virtual-Template24
        !
        !
        interface Virtual-Template24
        ip unnumbered Loopback1
    peer default ip address pool SSG-L2TP
    ppp authentication pap ayman
        !
        !
        router eigrp 5
        network 14.14.14.4 0.0.0.3
        network 15.15.15.4 0.0.0.3
        no auto-summary
        no eigrp log-neighbor-changes
        !
        !
        ip route 212.93.193.112 255.255.255.252 14.14.14.6
        ip local pool SSG-L2TP 212.93.197.114 212.93.197.126
    radius-server host 10.200.56.16 auth-port 1645 acct-port 1646
        radius-server retransmit 3
    radius-server attribute 25 nas-port format d

```

```

radius-server attribute nas-port format d
radius-server key cisco
radius-server vsa send accounting
radius-server vsa send authentication
!
!
!
!
line con 0
exec-timeout 0 0
password 7 010411
login authentication tty
transport input none
line aux 0
password 7 021113
line vty 0 4
exec-timeout 0 0
password 7 010411
login authentication tty
line vty 5 15
!
end
!
```

نيوكتلا ذيفنت لبق هب صاخلا يضارتفالا نيوكتلا ىل Cisco 677 طبض ةداع لكيلع بجي  
لاثلما ليلبس ىلع ؛ set nvram erase رمالا مدختسا ، يضارتفالا نيوكتلا ةداعتسال . ديدجالا

```
<#root>
```

```
cbos#
```

```
set nvram erase
```

```
Erasing running configuration.
You must use "write" for changes to be permanent.
```

```
cbos#
```

```
write
```

```
NVRAM written.
```

```
cbos#
```

```
reboot
```

Cisco نم (CBOs) ضيرعلا يددرتلا قاطنلا ليغشت ماظن ىلع DHCP مداخ ةزيم نيكمت يدؤي  
عانقوب 10.0.0.0 نم ةيعرف ةكبش نييعتو "pool0" مساب عمجت عاشنلا ىل اياقلا 677  
ىلع Cisco 677 تنرتنلا ةهجاوب صاخلا IP ناووع نييعت متي ، يضارتفالا لكش ب . 255.255.255.0  
10.0.0.254 و 10.0.0.2 ني ب IP نيوانع ريجأت "pool0" ل نكمي مئ نم و ، 10.0.0.1 ناووعلا  
.ةيلحمل (LAN) ةيلحمل ةكبشلا رتوي بمك/ءالمعل

Cisco 677

*!--- This configuration must be done !--- after NVRAM has been erased.*

```
set ppp wanipcp 0.0.0.0
set ppp wan0-0 login hisham
set ppp wan0-0 password hisham
set dhcp server enabled
set nat enabled
set int wan0-0 close
set int wan0-0 vpi 1
set int wan0-0 vci 60
set int wan0-0 open
write
reboot
```

## RADIUS تافى صوت

مدختس ملباب ةصاخ ةيالات ال (RADIUS) دي عبلال مدختس ملبال لاصتابل ط ةمدخ فيرعت تافل م  
تاملدخال او دي عبلال

- [Hisham دي عبلال مدختس ملبال فيرعت فلم](#)
- [تاملدخال ةعومجم رفس فيرعت فلم](#)
- [تاملدخال تاعومجم ندم فيرعت فلم](#)
- [cairo.com ةمدخ فيرعت فلم](#)
- [ةيالات لال ةوطخال لودج فيرعت فلم](#)

### Hisham دي عبلال مدختس ملبال فيرعت فلم

```
root@canonball[/opt/csecure/CLI]ViewProfile -p 9900 -u hisham
User Profile Information
  user = hisham{
    profile_id = 119
    profile_cycle = 11
    member = ayman
    radius=SSG-6400 {
      check_items= {
        2=hisham
      }
    }
    reply_attributes= {
      6=2
      7=1
      9,250="GTravelling"
    }
  }
}
```

## تامدخال ةعومجم رفس فيرعت فلم

```
root@canonball[/opt/csecure/CLI]ViewProfile -p 9900 -u Travelling
User Profile Information
  user = Travelling{
    profile_id = 165
    profile_cycle = 3
    member = Services
    radius=SSG-6400 {
      check_items= {
        2=cisco
      }
    }
    reply_attributes= {
      6=5
      9,250="IMiddle East"
      9,250="GCities"
    }
  }
}
```

## تامدخال تاوعومجم ندم فيرعت فلم

```
User Profile Information
  user = Cities{
    profile_id = 167
    profile_cycle = 3
    member = Services
    radius=SSG-6400 {
      check_items= {
        2=cisco
      }
    }
    reply_attributes= {
      6=5
      9,250="ICairo"
      9,250="Ncairo.com"
    }
  }
}
```

## ةمدخ فيرعت فلم cairo.com

```
root@canonball[/opt/csecure/CLI]ViewProfile -p 9900 -u cairo.com
User Profile Information
  user = cairo.com{
    profile_id = 144
    profile_cycle = 17
    member = Services
    radius=SSG-6400 {
      check_items= {
        2=cisco
      }
    }
  }
}
```

```

reply_attributes= {
    6=5
    9,1="vpdn:tunnel-id=nap"
    9,1="vpdn:l2tp-tunnel-password=CAIRO"
    9,1="vpdn:tunnel-type=l2tp"
    9,1="vpdn:ip-addresses=15.15.15.5"
    9,251="Ocairo.com"
    9,251="R15.15.15.4;255.255.255.252"
    9,251="TT"
    9,251="IEgyptian Capital"
    9,251="Gcairo.com_key"
}
}
}

```

## ةيلاتلا ةوطخلال لودج فيرعت فلم

```

root@canonical[/opt/csecure/CLI]ViewProfile -p 9900 -u nxthoptbl
User Profile Information
user = nxthoptbl{
  profile_id = 168
  profile_cycle = 2
  member = Services
  radius=SSG-6400 {
    check_items= {
      2=cisco
    }
    reply_attributes= {
      6=5
      9,253="Gcairo.com_key;14.14.14.5"
    }
  }
}
}

```

## ةحصلال نم ققحتلال

نيوكتلا اذه ةحص نم ققحتلل ءارجا ايلاح دجوي ال

## اهحالص او ءاطخال فاشكتسا

نم ةعونصم ةركاذب ةدوزم ال صارقال تاكرحمل يداحال لوخدلا ليجست ةزيم يه ام  
2.5.1؟ زارط (SSD) ةبلص تانوكم

يف فيضم نئاك ىلع روثع ال SSD مداخ ىلع رذعتي ام دنع SSD مداخ ىلع ةزيم ال هذه قبطنت  
من انا HTTP رورم ةكرح لسري ديعب ليمعل هب ةصاخلا تقؤملا نيزختلا ةركاذب تانايب ةدعاق  
ةلاسر لسرت اهان انا، فيضم نئاك ىلع يوتحت SSG تاناك اذا SSG ىلا لوصو بلط لسري  
تامدخال ىلا لوصولا قح حنم كلذ دعب مدختسم لل نكمي SSD ىلا لوصو لوبق

SSD يلى ع قداصل م دختس م لى ع ب جي ف ، SSG و SSD يلى ع في ضم ن ئاك دوجو مدع ة لاج ي ف .  
ة يداع ل SSD لوخد لي ج ست ة قداصل م تاءارج ا مدختس اب

SSD و SSG ن يوك ت لبق ه فرع ا ن ا ب جي ي ذل ا ام

ي لي ام ق قحت ل ا ب جي ، SSG و SSD ن يوك ت لبق

- ن ك مي و ، (AAA) ة بس ا ح م ل او ض ي و ف ت ل او ة قداصل م ل او SSG و SSD ن م ل ك لي غ ش ت م تي .  
ض ع ب ل ا ه ض ع ب ل اص ت ا ر ا ب ت خ ا ة ك ب ش ل ا ت ا ن ا ي ك ع ي م ج ل
- (SSG، ة ي ض ا ر ت ف ا ل ا ة ك ب ش ل ا ي ف في ضم ي ا ل اص ت ا ر ا ب ت خ ا دي ع ب ل ا م د خ ت س م ل ل ن ك مي .  
SSD، AAA) لبق ل ل و خ د ل ا ل ي ج س ت ل ب ق
- Cisco 6400 NRP1 م و ق ي ن ا ، ة ل ا ح ل ا ه ذ ه ي ف ، (NAP) ة ك ب ش ل ا ي ل ل و ص و ل ا ر ف و م ل ن ك مي .  
ة م د خ ل ا ه و ة ك ب ش ل اص ت ا ر ا ب ت خ ا
- . ة دي ع ب ل ا ة م د خ ل ا ه و ة ك ب ش ل اص ت ا ر ا ب ت خ ا دي ع ب ل ا ل ي م ع ل ا ي ل ع ر ذ ع ت ي

SSD لوخد لي ج ست ن ي ي ع ت لبق ن ك ل و PPPoA ل م ع ة س ل ج ء د ب د ع ب ل ع ف ا ا ذ ام

ت ا م د خ ل ة ي ل ا ت ل ا ت ا و ط خ ل ا ل و د ج ل ي ز ن ت ن م ق ق ح ت ل ا ب جي ، SSG ر م ا و ا ع ي م ج ن ي و ك ت د ع ب  
show ssg binding ر م ا ل ا ر ا د ص ا ب م ق . ح ا ج ن ب م د خ ت س م ل ا

```
<#root>
    arielle_nrp3#
    show ssg binding
    cairo.com_key -> 14.14.14.5 (NHT)
    arielle_nrp3#
    show ssg next-hop
    Next hop table loaded from profile nxthoptbl:
    cairo.com_key -> 14.14.14.5
    End of next hop table.
```

SSG يلى ع ة ط ش ن ه ا ج ت ا ل ا ط ب ا و ر ع ي م ج ن ا ن م ق ق ح ت

```
<#root>
    arielle_nrp3#
    show ssg direction
    Virtual-Template66: Downlink
    !--- You can verify this by enabling
    debug ssg ctrl-events
```

after the !--- remote user tries to initiate its PPPoA session to access the NRP.

```
Jun 18 02:13:12.791: SSG-CTL-EVN: Handling PPP logon for user hisham.
Jun 18 02:13:12.791: SSG-CTL-EVN: Locate/create SSG sub-block from/for Virtual-Access3.
Jun 18 02:13:12.791: SSG-CTL-EVN: Checking for old HostObject in the sub-block.
Jun 18 02:13:12.791: SSG-CTL-EVN: SSG: pppterm: NO extra data for PPP logon
Jun 18 02:13:12.791: SSG-CTL-EVN: Authenticating user hisham for PPP logon.
Jun 18 02:13:12.799: SSG-CTL-EVN: Creating HostObject for the PPP user hisham.
Jun 18 02:13:12.799: SSG-CTL-EVN: Set Host Mac Address .
Jun 18 02:13:12.799: SSG-CTL-EVN: ** attr->type = 6
Jun 18 02:13:12.799: SSG-CTL-EVN: ATTR_LOOP = 1
Jun 18 02:13:12.799: SSG-CTL-EVN: ** attr->type = 7
Jun 18 02:13:12.799: SSG-CTL-EVN: ATTR_LOOP = 2
Jun 18 02:13:12.799: SSG-CTL-EVN: ATTR_LOOP = 3
Jun 18 02:13:12.799: SSG-CTL-EVN: ATTR_LOOP = 4
Jun 18 02:13:12.799: SSG-CTL-EVN: PPP logon for user hisham is accepted.
The link is Virtual-Access3
Jun 18 02:13:12.799: SSG-CTL-EVN: Bind the HostObject to Virtual-Access3.
```

*!--- Downlink binding success.*

```
Jun 18 02:13:12.867: SSG-CTL-EVN: IPCP is up. Locate SSG sub-block from Virtual-Access3.
Jun 18 02:13:12.871: SSG-CTL-EVN: Locate HostObject from the sub-block.
Jun 18 02:13:12.871: SSG-CTL-EVN: Set Host IP 212.93.193.114.
```

*!--- Host object is created.*

```
Jun 18 02:13:12.879: SSG-CTL-EVN: Host Mac Address lookup failed
Jun 18 02:13:12.879: SSG-CTL-EVN: Activate the HostObject.
Link=Virtual-Access3
```

*!--- Host object is active.*

```
Jun 18 02:13:12.879: SSG-CTL-EVN: ##### ssg_l2tp_ip_up:
03:49:01: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access3,
changed state to up
```

تحفصلا مدختسمل اري، SSD مداخل لى HTTP لمع ةسلج ادبب لىمعال موقى امदन  
SSD مداخل لى لوخدلا لىجستل ةيسىئرلا

UNIX Shell رمألا رادصا لال خ نم SSD مداخل لىمعال ادب ركذت: ةظحال م  
root@crazyball[/export/home/ssd251/ssd]startSSD.sh.

ةدوزملا صارقألا تاكرحم لى داخال لىجست ةزيم رابتخا لىننكم لى فلىك  
ةبلص تانوكم نم ةعونصم ةركاذب

1. ةضارقالا ةمىقلا. dashboard.conf فلم لى فلى (reauthenticate=off) ةملمعمال نىوكتب مق  
هه reauthenticate=on.

2. لالمال لىبس لى لى. SSD صارقألا كرحم لى لى بوى ةحفص لى لى لوخدلا لىجستب مق  
م، ضرعتسمل قلغأ، cairo.com ةمدخل لى لىسىئرلا ةحفصل لى لى لوخد لىجست اناثأ  
http://10.200.56.40:8080 مادختساب لىرأ ةرم هتفب مق

نكمت نأ بلى كلذل، تقومال نىزختلا ةركاذ لى لازى ال SSD لى لى دوجومال فىضمال نىكلا  
اقبسم اهلى لى لوخدلا لىجست مت لى لى SSD ةمدخ ةحفص لى لىرأ ةرم لوخدلا لىجست نم



```
Jun 18 23:39:39.674: SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 18 23:39:39.678: SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 18 23:39:39.678: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 18 23:39:39.682: SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 18 23:39:39.686: SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 18 23:39:39.686: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 18 23:39:39.698: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 18 23:39:39.742: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 18 23:39:39.926: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 18 23:39:39.926: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 18 23:39:39.926: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 18 23:39:39.926: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 19 00:39:17.477: RADIUS: Initial Transmit id 18 10.200.56.16:1645,
Access-Request, len 58
Jun 19 00:39:17.477: Attribute 4 6 D45DC301
Jun 19 00:39:17.477: Attribute 61 6 00000000
Jun 19 00:39:17.477: Attribute 1 8 68697368
Jun 19 00:39:17.477: Attribute 2 18 31B0CDC2
Jun 19 00:39:17.481: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 19 00:39:17.481: RADIUS: Received from id 18 10.200.56.16:1645,
Access-Accept, len 70
Jun 19 00:39:17.481: Attribute 6 6 00000002
Jun 19 00:39:17.481: Attribute 7 6 00000001
Jun 19 00:39:17.481: Attribute 26 20 00000009FA0E4754
Jun 19 00:39:17.481: Attribute 26 18 00000009FA0C4742
Jun 19 00:39:17.481: RADIUS: saved authorization data for user 61E73934 at
61E72A58
Jun 19 00:39:17.481: SSG-CTL-EVN: Creating HostObject for host
212.93.193.114.
Jun 19 00:39:17.489: SSG-CTL-EVN: Set Host Mac Address .
Jun 19 00:39:17.489: SSG-CTL-EVN: ** attr->type = 6
Jun 19 00:39:17.489: SSG-CTL-EVN: ATTR_LOOP = 1
Jun 19 00:39:17.489: SSG-CTL-EVN: ** attr->type = 7
Jun 19 00:39:17.493: SSG-CTL-EVN: ATTR_LOOP = 2
Jun 19 00:39:17.493: SSG-CTL-EVN: ATTR_LOOP = 3
Jun 19 00:39:17.493: SSG-CTL-EVN: ATTR_LOOP = 4
Jun 19 00:39:17.493: SSG-CTL-EVN: Account logon is accepted
(212.93.193.114,hisham).
```

arielle\_nrp3#

```
show ssg host 212.93.193.114
```

```
----- HostObject Content -----
Activated: TRUE
Interface: Virtual-Access3
User Name: hisham
Host IP: 212.93.193.114
Msg IP: 10.200.56.40 (9902)
Host DNS IP: 0.0.0.0
Maximum Session Timeout: 0 seconds
Host Idle Timeout: 0 seconds
Class Attr: NONE
User logged on since: 01:54:33.000 UTC Tue Jun 19 2001
User last activity at: 01:54:33.000 UTC Tue Jun 19 2001
Default Service: NONE
DNS Default Service: NONE
```

Active Services: NONE

*!--- No Services are active yet.*

AutoService: NONE

Subscribed Services:

The following output also results from the debug commands that are turned on before the SSD logon.

```
Jun 19 02:06:39.529:
SSG-DATA:CEF-FIB_FLAG_RECEIVE=1(Vi3:212.93.193.114->10.200.56.6)
Jun 19 02:06:40.789:
SSG-DATA:CEF-MulticastDest=1(AT0/0/0.61:14.14.14.5->224.0.0.10)
Jun 19 02:06:41.581:
SSG-DATA:CEF-FIB_FLAG_RECEIVE=1(Vi3:212.93.193.114->10.200.56.6)
Jun 19 02:06:42.509:
SSG-DATA:CEF-FIB_FLAG_RECEIVE=1(Vi3:212.93.193.114->10.200.56.6)
Jun 19 02:06:43.313:
SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 19 02:06:43.313: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 19 02:06:43.349:
SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 19 02:06:43.353:
```

arielle\_nrp3#

show ssg host 212.93.193.114

```
----- HostObject Content -----
Activated: TRUE
Interface: Virtual-Access3
User Name: hisham
Host IP: 212.93.193.114
Msg IP: 10.200.56.40 (9902)
```

*!--- Message server IP & port address, and TCP port used. !--- This is configured in the dashboard.com*

```
Host DNS IP: 0.0.0.0
Maximum Session Timeout: 0 seconds
Host Idle Timeout: 0 seconds
Class Attr: NONE
User logged on since: 01:54:33.000 UTC Tue Jun 19 2001
User last activity at: 01:54:33.000 UTC Tue Jun 19 2001
Default Service: NONE
DNS Default Service: NONE
Active Services: NONE
AutoService: NONE
Subscribed Services:
arielle_nrp3#
```

يري نم لوأ ليمعلا ف. ةمدخ يإ لىل لوخدلا ليحستب مدختسمل مقى مل ةطقنلا هذه دنع كرحم ءحفص لىل تامدخلا ةمئاق ي ف ةيرصملا ةمصاعلا م ةرهاقلا وطسوالا قرشلا، ي، رصملا لاملا س أ ررقن ب ليمعلا موقى نأ دع ب. تنرتنإلا ةكبش لىل ةبلصلا صارقألا ليمعلا ب ةطشن ةمدخ نارقإ متي مل. ءحفصلا لىل رورملا ةملاك و مدختسمل مسا القح رهظي لوصولل ليمعلا امهرفوي ناذلل رورملا ةملاك و مدختسمل مسا قباطتي نأ بجي. نألا لىل اذ ه ي ف J2TP (LNS) ةكبش م داخ ةطساوب اهنيوكت مت يتلا ك لت عم cairo.com ةمدخلا لىل، ayman@cairo.com. وه مدختسمل مسا. ايلحم ني مدختسمل ةقداصم ب LNS موقى، دادعإلا

نمياً به رورم لة ملكو

## L2TP (LAC) لة لوصول لة زكرم جرخ

<#root>

arielle\_nrp3#

show debugging

SSG:

SSG data path packets debugging is on  
SSG control path events debugging is on  
SSG control path packets debugging is on  
SSG packets debugging is on

VPN:

L2X protocol events debugging is on  
L2X data packets debugging is on  
L2X control packets debugging is on  
L2TP data sequencing debugging is on  
Radius protocol debugging is on

```
Jun 19 02:34:48.121:
SSG-DATA:CEF-FIB_FLAG_RECEIVE=1(Vi3:212.93.193.114->10.200.56.6)
Jun 19 02:34:48.157:
SSG-DATA:CEF-FIB_FLAG_RECEIVE=1(Vi3:212.93.193.114->10.200.56.6)
Jun 19 02:34:49.681:
SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 19 02:34:49.685: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 19 02:34:49.717:
SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 19 02:34:49.725:
SSG-DATA:CEF-UP-DefaultNetwork=1(Vi3:212.93.193.114->10.200.56.40)
Jun 19 02:34:49.725: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 19 02:34:49.777: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 19 02:34:49.777: SSG-CTL-PAK: Received Packet:
sIP=10.200.56.40 sPort=37638 dIP=10.200.56.6 dPort=1645
Jun 19 02:34:49.777: header: code=1, id=19, len=102,
auth=3F53BB3F2939DAA1E5D9435792491CD3
Jun 19 02:34:49.777: attr: type=1, len=17, val=ayman@cairo.com
Jun 19 02:34:49.777: attr: type=2, len=18, val=(89)(C4)}/(BB)(8F)
Jun 19 02:34:49.777: attr: type=6, len=6, val=(00)(00)(00)(02)
Jun 19 02:34:49.777: attr: type=26, len=23,

Jun 19 02:34:49.777: SSG-CTL-EVN: Downloading service profile for service
cairo.com.
Jun 19 02:34:49.777: RADIUS: ustruct sharecount=1
Jun 19 02:34:49.777: RADIUS: Initial Transmit id 73 10.200.56.16:1645,
Access-Request, len 67
Jun 19 02:34:49.777: Attribute 4 6 D45DC301
Jun 19 02:34:49.777: Attribute 61 6 00000000
Jun 19 02:34:49.777: Attribute 1 11 63616972
Jun 19 02:34:49.777: Attribute 2 18 51CF64B7
Jun 19 02:34:49.777: Attribute 6 6 00000005
Jun 19 02:34:49.785: SSG-DATA:CEF-SSGSubBlock=0(Fa0/0/0:0.0.0.0->0.0.0.0)
Jun 19 02:34:49.785: RADIUS: Received from id 73 10.200.56.16:1645,
Access-Accept, len 275
Jun 19 02:34:49.785: Attribute 6 6 00000005
```

```
Jun 19 02:34:49.785: Attribute 26 27 0000000901157670
Jun 19 02:34:49.785: Attribute 26 40 0000000901227670
Jun 19 02:34:49.785: Attribute 26 30 0000000901187670
Jun 19 02:34:49.785: Attribute 26 37 00000009011F7670
```

```
Jun 19 02:34:49.789: SSG-CTL-EVN: ##### ssg_l2tp_disc_cause: termCause=1026
Jun 19 02:34:49.789: SSG-CTL-EVN: ssg_l2tp_disc_routine:
Jun 19 02:34:49.801: SSG-CTL-EVN: Checking service mode.
Jun 19 02:34:49.801: SSG-CTL-EVN: ServiceLogon: Enqueue request of service
cairo.com
```

arielle\_nrp3#

```
show ssg host 212.93.193.114
```

----- HostObject Content -----

```
Activated: TRUE
Interface: Virtual-Access3
User Name: hisham
Host IP: 212.93.193.114
Msg IP: 10.200.56.40 (9902)
Host DNS IP: 0.0.0.0
Maximum Session Timeout: 0 seconds
Host Idle Timeout: 0 seconds
Class Attr: NONE
User logged on since: 01:54:33.000 UTC Tue Jun 19 2001
User last activity at: 02:34:49.000 UTC Tue Jun 19 2001
Default Service: NONE
DNS Default Service: NONE
Active Services: cairo.com
```

*!--- A service is active.*

```
AutoService: NONE
Subscribed Services:
```

arielle\_nrp3#

```
show ssg service cairo.com
```

----- ServiceInfo Content -----

```
Uplink IDB:
Name: cairo.com
Type: TUNNEL
Mode: CONCURRENT
Service Session Timeout: 0 seconds
Service Idle Timeout: 0 seconds
Authentication Type: CHAP
Next Hop Gateway Key: cairo.com_key
DNS Server(s):
TunnelId: nap
TunnelPassword: CAIRO
HomeGateway Addresses: 15.15.15.5
Included Network Segments:
15.15.15.4/255.255.255.252
Excluded Network Segments:
ConnectionCount 1
Full User Name not used
Domain List: cairo.com;
Active Connections:
```

```
1 : RealIP=212.93.197.114, Subscriber=212.93.193.114
```

----- End of ServiceInfo Content -----

ماشه مدختسم لل ةمدخلال ةكبش لبق نم رفوتمال IP ناوع ReallP لثمي، هالعأجتانلالي ف  
SSG NRP لوصو ةكبش ةطساوب هحنم مت يذال IP ناوع مدختسم نأ كرتشمال لقح رهظي

<#root>

arielle\_nrp3#

show ssg connection 212.93.193.114 cairo.com

----- ConnectionObject Content -----

User Name: ayman@cairo.com Owner  
Host: 212.93.193.114 Associated Service: cairo.com Connection State: 0 (UP) Connection  
Started since: 02:34:51.000 UTC Tue Jun 19 2001 User last activity at: 02:34:51.000  
UTC Tue Jun 19 2001 Connection Real IP: 212.93.197.114 L2TP VIDB: Virtual-Access4  
L2TP Session Key: 0 Connection Traffic Statistics: Input Bytes = 0 (HI = 0), Input  
packets = 0 Output Bytes = 0 (HI = 0), Output packets = 0

LNS جارخا

<#root>

ior#

show debugging VPN

L2X protocol events debugging is on  
L2X data packets debugging is on  
L2X control packets debugging is on  
L2TP data sequencing debugging is on

\*Jun 18 19:27:09.851 PDT: L2X: Parse AVP 0, len 8, flag 0x8000 (M)

\*Jun 18 19:27:09.851 PDT: L2X: Parse SCCRQ

\*Jun 18 19:27:09.851 PDT: L2X: Parse AVP 2, len 8, flag 0x8000 (M)

\*Jun 18 19:27:09.851 PDT: L2X: Protocol Ver 256

\*Jun 18 19:27:09.851 PDT: L2X: Parse AVP 3, len 10, flag 0x8000 (M)

\*Jun 18 19:27:09.851 PDT: L2X: Framing Cap 0x0

\*Jun 18 19:27:09.851 PDT: L2X: Parse AVP 4, len 10, flag 0x8000 (M)

\*Jun 18 19:27:09.851 PDT: L2X: Bearer Cap 0x0

\*Jun 18 19:27:09.855 PDT: L2X: Parse AVP 6, len 8, flag 0x0

\*Jun 18 19:27:09.855 PDT: L2X: I SCCRQ, flg TLS, ver 2, len 128, tn1 0, cl 0, ns 0, nr 0

C8 02 00 80 00 00 00 00 00 00 00 00 80 08 00 00

00 00 00 01 80 08 00 00 00 02 01 00 80 0A 00 00

00 03 00 00 00 00 80 0A 00 00 00 04 00 00 00 ...

\*Jun 18 19:27:09.855 PDT: L2TP: I SCCRQ from nap tn1 13552

\*Jun 18 19:27:09.855 PDT: Tn1 4818 L2TP: Got a challenge in SCCRQ, nap

\*Jun 18 19:27:09.855 PDT: Tn1 4818 L2TP: New tunnel created for remote nap,

## ةلص تاذا تامولعم

- [Cisco DSL ةينقت معد](#)
- [Cisco Systems - تاذا تاسملا ةينقتلا معدلا](#)

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