使用RADIUS分配PPP會話和空閒超時

目錄

簡介

此配置將Windows 95/98/NT客戶端與數據機相結合，通過模擬線路撥號到接入伺服器。使用者登入已由路由器乙太網段上的RADIUS伺服器驗證和授權。本文檔中的Cisco Secure UNIX和Windows配置檔案使用標準的Internet工程任務組(IETF)屬性來定義會話和空閒超時。這些值以秒為單位。

本文檔未在NAS上提供撥號訪問或AAA的逐步配置說明。如需詳細資訊，請參閱設定撥入使用者端的基本AAA RADIUS。

必要條件

需求

本文件沒有特定需求。

採用元件

本文中的資訊係根據以下軟體和硬體版本：

- Cisco IOS®軟體版本12.0(5.5)T
- Cisco安全UNIX版本2.2.3
- 思科存取伺服器2511

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路正在作用，請確保您已瞭解任何指令可能造成的影響。

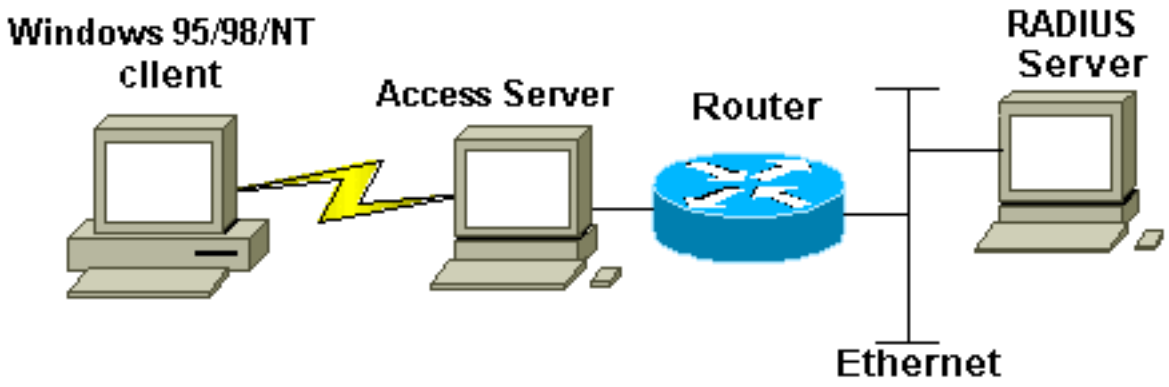
慣例

如需文件慣例的詳細資訊，請參閱思科技術提示慣例。

設定

網路圖表

本檔案會使用下圖中所示的網路設定。



組態

本文檔使用此處顯示的配置。

- Cisco Secure UNIX:RADIUS設定檔
- Cisco Secure ACS for Windows
- 路由器A

Cisco Secure UNIX:RADIUS設定檔

```
# ./ViewProfile -p 9900 -u radtime

User Profile Information

user = radtime{
profile_id = 99
profile_cycle = 2
member = raj
radius=IETF {
check_items= {
2=cisco
}
reply_attributes= {
6=2
7=1
27=180
28=60
}
}
}
```

Cisco Secure ACS for Windows

完成以下步驟，配置Cisco Secure for Windows以將空閒超時傳遞給NAS。

1. 按一下左欄中的**User Setup**按鈕。
2. 轉到相關使用者。
3. 在IETF RADIUS Attributes部分，從下拉選單中選擇**Service-type(attribute 6)= Framed** and **Framed-Protocol(attribute 7)=PPP**。**附註：** 還必須按一下位於所選屬性旁邊的覈取方塊：Service-Type和Framed-Protocol。
4. 按一下左欄中的**Group Setup**按鈕。選擇使用者所屬的組，然後按一下**編輯設定**。
5. 在「Internet Engineering Task Force(IETF)RADIUS Attributes(Internet工程任務組(IETF)RADIUS屬性)」部分中，按一下「Attribute 27 **Session-Timeout**(屬性27 **Session-Timeout**)」和「Attribute 28 **Idle-Timeout(屬性28 Idle-Timeout)」旁邊的覈取方塊**。在每個屬性旁邊的框中為每個超時指定所需的值（以秒為單位）。

路由器A

```
Current configuration:
!
version 12.0
service timestamps debug datetime msec
service timestamps log uptime
no service password-encryption
!
hostname router_a
!
no logging console
!--- AAA configuration. The authorization statement is
needed !--- to pass timeout values from ACS to the NAS.
aaa new-model
aaa authentication ppp default if-needed group radius
aaa authorization network default group radius
username john password doe
enable password cisco
!
ip subnet-zero
no ip domain-lookup
!
cns event-service server
!
!
interface Ethernet0
ip address 171.68.201.53 255.255.255.0
no ip directed-broadcast
no ip route-cache
no ip mroute-cache
no cdp enable
!
interface Serial0
no ip address
no ip directed-broadcast
no ip mroute-cache
shutdown
no fair-queue
no cdp enable
!
interface Group-Async1
ip unnumbered Ethernet0
```

```
no ip directed-broadcast
encapsulation ppp
no ip route-cache
no ip mroute-cache
dialer in-band
async mode dedicated
peer default ip address pool default
no cdp enable
ppp authentication pap
group-range 1 16
!
ip local pool default 10.1.1.1
ip classless
ip route 0.0.0.0 0.0.0.0 171.68.201.1
ip route 171.68.0.0 255.255.0.0 171.68.201.1
!
!--- Specify the RADIUS server host and key.
radius-server host 171.68.171.9 auth-port 1645 acct-port
1646
radius-server key ontop
!
line con 0
exec-timeout 0 0
timeout login response 60
transport input pad v120 telnet rlogin udptn
line 1 16
autoselect during-login
autoselect ppp
modem InOut
transport input all
speed 115200
line aux 0
timeout login response 60
line vty 0 4
exec-timeout 0 0
timeout login response 5
password cisco
!
end
```

驗證

本節提供的資訊可用於確認您的組態是否正常運作。

輸出直譯器工具(僅供註冊客戶使用)支援某些show命令，此工具可讓您檢視show命令輸出的分析。

- show dialer interface async 1 — 顯示為按需撥號路由(DDR)撥號程式配置檔案配置的介面資訊。
- show interfaces async 1 — 顯示串列介面資訊。

此show命令輸出演示如何驗證會話和空閒超時是否已正確下載。Cisco建議您運行命令多次。這樣可讓您觀察計數器的遞減。

```
router#show dialer interface async 1
Async1 - dialer type = IN-BAND ASYNC NO-PARITY
!--- Check to see that the idletime is 60 seconds for this interface. !--- This was configured
in the RADIUS server. Idle timer (60 sec), Fast idle timer (20 secs)
Wait for carrier (30 secs), Re-enable (15 secs)
Dialer state is data link layer up
```

```
Time until disconnect 40 secs (radtime)

Dial String      Successes   Failures    Last DNIS   Last status

router#show interface async 1
Async1 is up, line protocol is up
  Hardware is Async Serial
  Interface is unnumbered. Using address of Ethernet0 (171.68.201.53)
  MTU 1500 bytes, BW 115 Kbit, DLY 100000 usec,
     reliability 253/255, txload 1/255, rxload 1/255
  Encapsulation PPP, loopback not set
  Keepalive not set
  DTR is pulsed for 5 seconds on reset
!--- The session (absolute) and idletime decreases. Time to interface disconnect:  absolute
00:02:41, idle 00:00:36
  LCP Open
  Open: IPCP
  Last input 00:00:18, output 00:00:18, output hang never
  Last clearing of "show interface" counters 3w0d
  Input queue: 1/75/0 (size/max/drops); Total output drops: 0
  Queueing strategy: weighted fair
  Output queue: 0/1000/64/0 (size/max total/threshold/drops)
     Conversations  0/1/16 (active/max active/max total)
     Reserved Conversations 0/0 (allocated/max allocated)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
     3543 packets input, 155629 bytes, 0 no buffer
     Received 0 broadcasts, 0 runts, 0 giants, 0 throttles
     46 input errors, 46 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort
     1903 packets output, 44205 bytes, 0 underruns
     0 output errors, 0 collisions, 44 interface resets
     0 output buffer failures, 0 output buffers swapped out
     0 carrier transitions


router#show interface async 1
Async1 is up, line protocol is up
  Hardware is Async Serial
  Interface is unnumbered. Using address of Ethernet0 (171.68.201.53)
  MTU 1500 bytes, BW 115 Kbit, DLY 100000 usec,
     reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation PPP, loopback not set
  Keepalive not set
  DTR is pulsed for 5 seconds on reset
!--- The user is disconnected because the session !--- timeout (absolute) is reached. Time to
interface disconnect:  absolute 00:00:00, idle 00:00:56
  LCP Open
  Open: IPCP
  Last input 00:00:02, output 00:00:03, output hang never
  Last clearing of "show interface" counters 3w0d
  Input queue: 1/75/0 (size/max/drops); Total output drops: 0
  Queueing strategy: weighted fair
  Output queue: 0/1000/64/0 (size/max total/threshold/drops)
     Conversations  0/1/16 (active/max active/max total)
     Reserved Conversations 0/0 (allocated/max allocated)
  5 minute input rate 0 bits/sec, 1 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
     3674 packets input, 163005 bytes, 0 no buffer
     Received 0 broadcasts, 0 runts, 0 giants, 0 throttles
     46 input errors, 46 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort
     1984 packets output, 49146 bytes, 0 underruns
     0 output errors, 0 collisions, 44 interface resets
     0 output buffer failures, 0 output buffers swapped out
     0 carrier transitions
```

疑難排解

本節提供的資訊可用於對組態進行疑難排解。

疑難排解指令

注意：發出debug命令之前，請參閱有關Debug命令的重要資訊**。**

- **debug ppp authentication** — 顯示身份驗證協定消息。這些消息包括挑戰驗證協定(CHAP)資料包交換和口令驗證協定(PAP)交換。
- **debug ppp negotiation** — 顯示在PPP啟動期間傳輸的點對點協定(PPP)資料包，其中會協商PPP選項。
- **debug aaa authorization** — 顯示有關AAA/RADIUS授權的資訊。
- **debug radius** — 顯示與RADIUS關聯的詳細調試資訊。

路由器調試

此調試輸出顯示了成功的連線。

```
*Mar 22 21:11:02.797: AAA: parse name=tty1 idb type=10 tty=1
*Mar 22 21:11:02.801: AAA: name=tty1 flags=0x11 type=4 shelf=0
   slot=0 adapter=0 port=1 channel=0
*Mar 22 21:11:02.801: AAA/MEMORY: create_user (0x57F3A8) user='' ruser=''
   port='tty1' rem_addr='async' authen_type=ASCII service=LOGIN priv=1
*Mar 22 21:11:02.833: AAA/MEMORY: free_user (0x57F3A8) user='' ruser=''
   port='tty1' rem_addr='async' authen_type=ASCII service=LOGIN priv=1
*Mar 22 21:11:02.909: As1 IPCP: Install route to 10.1.1.1
*Mar 22 21:11:04.869: As1 LCP: I CONFREQ [Closed] id 0 len 23
*Mar 22 21:11:04.873: As1 LCP:    ACCM 0x00000000 (0x020600000000)
*Mar 22 21:11:04.877: As1 LCP:    MagicNumber 0x00005F22 (0x050600005F22)
*Mar 22 21:11:04.877: As1 LCP:    PFC (0x0702)
*Mar 22 21:11:04.881: As1 LCP:    ACFC (0x0802)
*Mar 22 21:11:04.881: As1 LCP:    Callback 6  (0x0D0306)
*Mar 22 21:11:04.885: As1 LCP: Lower layer not up, Fast Starting
*Mar 22 21:11:04.889: As1 PPP: Treating connection as a callin
*Mar 22 21:11:04.889: As1 PPP: Phase is ESTABLISHING, Passive Open
*Mar 22 21:11:04.893: As1 LCP: State is Listen
*Mar 22 21:11:04.897: As1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially
*Mar 22 21:11:04.901: As1 LCP: O CONFREQ [Listen] id 104 len 24
*Mar 22 21:11:04.901: As1 LCP:    ACCM 0x000A0000 (0x0206000A0000)
*Mar 22 21:11:04.905: As1 LCP:    AuthProto PAP (0x0304C023)
*Mar 22 21:11:04.909: As1 LCP:    MagicNumber 0x812C7E0C (0x0506812C7E0C)
*Mar 22 21:11:04.913: As1 LCP:    PFC (0x0702)
*Mar 22 21:11:04.913: As1 LCP:    ACFC (0x0802)
*Mar 22 21:11:04.917: As1 LCP: O CONFREJ [Listen] id 0 len 7
*Mar 22 21:11:04.921: As1 LCP:    Callback 6  (0x0D0306)
3w0d: %LINK-3-UPDOWN: Interface Async1, changed state to up
*Mar 22 21:11:06.897: As1 LCP: TIMEout: State REQsent
*Mar 22 21:11:06.901: As1 LCP: O CONFREQ [REQsent] id 105 len 24
*Mar 22 21:11:06.901: As1 LCP:    ACCM 0x000A0000 (0x0206000A0000)
*Mar 22 21:11:06.905: As1 LCP:    AuthProto PAP (0x0304C023)
*Mar 22 21:11:06.909: As1 LCP:    MagicNumber 0x812C7E0C (0x0506812C7E0C)
*Mar 22 21:11:06.909: As1 LCP:    PFC (0x0702)
*Mar 22 21:11:06.913: As1 LCP:    ACFC (0x0802)
*Mar 22 21:11:07.045: As1 LCP: I CONFACK [REQsent] id 105 len 24
*Mar 22 21:11:07.049: As1 LCP:    ACCM 0x000A0000 (0x0206000A0000)
```

```
*Mar 22 21:11:07.053: As1 LCP:    AuthProto PAP (0x0304C023)
*Mar 22 21:11:07.057: As1 LCP:    MagicNumber 0x812C7E0C (0x0506812C7E0C)
*Mar 22 21:11:07.057: As1 LCP:    PFC (0x0702)
*Mar 22 21:11:07.061: As1 LCP:    ACFC (0x0802)
*Mar 22 21:11:07.821: As1 LCP: I CONFREQ [ACKrcvd] id 0 len 23
*Mar 22 21:11:07.825: As1 LCP:    ACCM 0x00000000 (0x020600000000)
*Mar 22 21:11:07.829: As1 LCP:    MagicNumber 0x00005F22 (0x050600005F22)
*Mar 22 21:11:07.829: As1 LCP:    PFC (0x0702)
*Mar 22 21:11:07.833: As1 LCP:    ACFC (0x0802)
*Mar 22 21:11:07.833: As1 LCP:    Callback 6  (0x0D0306)
*Mar 22 21:11:07.837: As1 LCP: O CONFREJ [ACKrcvd] id 0 len 7
*Mar 22 21:11:07.841: As1 LCP:    Callback 6  (0x0D0306)
*Mar 22 21:11:07.957: As1 LCP: I CONFREQ [ACKrcvd] id 1 len 20
*Mar 22 21:11:07.961: As1 LCP:    ACCM 0x00000000 (0x020600000000)
*Mar 22 21:11:07.961: As1 LCP:    MagicNumber 0x00005F22 (0x050600005F22)
*Mar 22 21:11:07.965: As1 LCP:    PFC (0x0702)
*Mar 22 21:11:07.969: As1 LCP:    ACFC (0x0802)
*Mar 22 21:11:07.969: As1 LCP: O CONFACK [ACKrcvd] id 1 len 20
*Mar 22 21:11:07.973: As1 LCP:    ACCM 0x00000000 (0x020600000000)
*Mar 22 21:11:07.977: As1 LCP:    MagicNumber 0x00005F22 (0x050600005F22)
*Mar 22 21:11:07.977: As1 LCP:    PFC (0x0702)
*Mar 22 21:11:07.981: As1 LCP:    ACFC (0x0802)
*Mar 22 21:11:07.985: As1 LCP: State is Open
*Mar 22 21:11:07.985: As1 PPP: Phase is AUTHENTICATING, by this end
*Mar 22 21:11:08.245: As1 LCP: I IDENTIFY [Open] id 2 len 18 magic
   0x00005F22 MSRASV4.00
*Mar 22 21:11:08.249: As1 LCP: I IDENTIFY [Open] id 3 len 31 magic
   0x00005F22 MSRAS-1-RAJESH-SECURITY
*Mar 22 21:11:08.253: As1 PAP: I AUTH-REQ id 30 len 18 from "radtime"
*Mar 22 21:11:08.265: As1 PAP: Authenticating peer radtime
*Mar 22 21:11:08.269: AAA: parse name=Async1 idb type=10 tty=1
*Mar 22 21:11:08.273: AAA: name=Async1 flags=0x11 type=4 shelf=0 slot=0
   adapter=0 port=1 channel=0
*Mar 22 21:11:08.273: AAA/MEMORY: create_user (0x57F3A8) user='radtime' ruser=''
   port='Async1' rem_addr='async' authen_type=PAP service=PPP priv=1
*Mar 22 21:11:08.281: RADIUS: ustruct sharecount=1
*Mar 22 21:11:08.285: RADIUS: Initial Transmit Async1 id 109 172.16.171.9:1645,
   Access-Request, len 77
*Mar 22 21:11:08.289:         Attribute 4 6 AB44C935
*Mar 22 21:11:08.293:         Attribute 5 6 00000001
*Mar 22 21:11:08.293:         Attribute 61 6 00000000
*Mar 22 21:11:08.297:         Attribute 1 9 72616474
*Mar 22 21:11:08.297:         Attribute 2 18 486188E4
*Mar 22 21:11:08.301:         Attribute 6 6 00000002
*Mar 22 21:11:08.301:         Attribute 7 6 00000001
*Mar 22 21:11:08.329: RADIUS: Received from id 109 172.16.171.9:1645,
   Access-Accept, len 44
*Mar 22 21:11:08.333:         Attribute 6 6 00000002
*Mar 22 21:11:08.333:         Attribute 7 6 00000001
*Mar 22 21:11:08.337:         Attribute 27 6 000000B4
*Mar 22 21:11:08.337:         Attribute 28 6 0000003C
```

debug radius指令的屬性值對(AVP)需要解碼。這有助於您更好地瞭解NAS和RADIUS伺服器之間的事務。

註：自Cisco IOS軟體版本12.2(11)T起，**debug radius指令**的輸出已解碼。它不需要*使用*Output Interpreter Tool(僅供註冊客戶使用)來解碼輸出。如需詳細資訊，請參閱RADIUS偵錯增強功能。

輸出直譯器工具(僅供已註冊客戶使用)允許您接收**debug radius**命令輸出的分析。

斜體的輸出是從輸出直譯器工具獲得的結果(僅限註冊客戶):

```
Access-Request 172.16.171.9:1645 id 109
Attribute Type 4:  NAS-IP-Address is 171.68.201.53
Attribute Type 5:  NAS-Port is 1
Attribute Type 61: NAS-Port-Type is Asynchronous
Attribute Type 1:  User-Name is radt
Attribute Type 2:  User-Password is (encoded)
Attribute Type 6:  Service-Type is Framed
Attribute Type 7:  Framed-Protocol is PPP
Access-Accept 172.16.171.9:1645 id 109
Attribute Type 6:  Service-Type is Framed
Attribute Type 7:  Framed-Protocol is PPP
Attribute Type 27: Session-Timeout is 180 seconds
Attribute Type 28: Idle-Timeout is 60 seconds
```

請注意，會話超時為180秒，空閒超時為60秒。

```
*Mar 22 21:11:08.345: RADIUS: saved authorization data for user 57F3A8 at 5AB9A4
*Mar 22 21:11:08.349: As1 AAA/AUTHOR/LCP: Authorize LCP
*Mar 22 21:11:08.353: As1 AAA/AUTHOR/LCP (2107569326): Port='Async1'
   list='' service=NET
*Mar 22 21:11:08.353: AAA/AUTHOR/LCP: As1 (2107569326) user='radtime'
*Mar 22 21:11:08.357: As1 AAA/AUTHOR/LCP (2107569326): send AV service=ppp
*Mar 22 21:11:08.357: As1 AAA/AUTHOR/LCP (2107569326): send AV protocol=lcp
*Mar 22 21:11:08.361: As1 AAA/AUTHOR/LCP (2107569326): found list "default"
*Mar 22 21:11:08.365: As1 AAA/AUTHOR/LCP (2107569326): Method=radius (radius)
*Mar 22 21:11:08.369: As1 AAA/AUTHOR (2107569326): Post authorization
   status = PASS_REPL
*Mar 22 21:11:08.369: As1 AAA/AUTHOR/LCP: Processing AV service=ppp
 !--- The session timeout and idle timeouts are applied to the interface. *Mar 22 21:11:08.373:
As1 AAA/AUTHOR/LCP: Processing AV timeout=180
*Mar 22 21:11:08.633: As1 AAA/AUTHOR/LCP: Processing AV idletime=60
*Mar 22 21:11:09.049: As1 PAP: O AUTH-ACK id 30 len 5
*Mar 22 21:11:09.053: As1 PPP: Phase is UP
*Mar 22 21:11:09.057: As1 AAA/AUTHOR/FSM: (0): Can we start IPCP?
*Mar 22 21:11:09.061: As1 AAA/AUTHOR/FSM (1853995855): Port='Async1'
   list='' service=NET
*Mar 22 21:11:09.061: AAA/AUTHOR/FSM: As1 (1853995855) user='radtime'
*Mar 22 21:11:09.065: As1 AAA/AUTHOR/FSM (1853995855): send AV service=ppp
*Mar 22 21:11:09.065: As1 AAA/AUTHOR/FSM (1853995855): send AV protocol=ip
*Mar 22 21:11:09.069: As1 AAA/AUTHOR/FSM (1853995855): found list "default"
*Mar 22 21:11:09.073: As1 AAA/AUTHOR/FSM (1853995855): Method=radius (radius)
*Mar 22 21:11:09.077: As1 AAA/AUTHOR (1853995855): Post authorization
   status = PASS_REPL
*Mar 22 21:11:09.077: As1 AAA/AUTHOR/FSM: We can start IPCP
*Mar 22 21:11:09.085: As1 IPCP: O CONFREQ [Closed] id 19 len 10
*Mar 22 21:11:09.089: As1 IPCP:    Address 171.68.201.53 (0x0306AB44C935)
*Mar 22 21:11:09.177: As1 CCP: I CONFREQ [Not negotiated] id 4 len 10
*Mar 22 21:11:09.181: As1 CCP:    MS-PPC supported bits 0x00000001
   (0x120600000001)
*Mar 22 21:11:09.185: As1 LCP: O PROTREJ [Open] id 106 len 16
   protocol CCP (0x80FD0104000A120600000001)
*Mar 22 21:11:09.189: As1 IPCP: I CONFREQ [REQsent] id 5 len 40
*Mar 22 21:11:09.193: As1 IPCP:    CompressType VJ 15 slots
   CompressSlotID (0x0206002D0F01)
*Mar 22 21:11:09.197: As1 IPCP:    Address 0.0.0.0 (0x030600000000)
*Mar 22 21:11:09.201: As1 IPCP:    PrimaryDNS 0.0.0.0 (0x810600000000)
*Mar 22 21:11:09.205: As1 IPCP:    PrimaryWINS 0.0.0.0 (0x820600000000)
*Mar 22 21:11:09.209: As1 IPCP:    SecondaryDNS 0.0.0.0 (0x830600000000)
*Mar 22 21:11:09.213: As1 IPCP:    SecondaryWINS 0.0.0.0 (0x840600000000)
*Mar 22 21:11:09.213: As1 AAA/AUTHOR/IPCP: Start.
```

```
   Her address 0.0.0.0, we want 10.1.1.1
*Mar 22 21:11:09.217: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp
*Mar 22 21:11:09.221: As1 AAA/AUTHOR/IPCP: Authorization succeeded
*Mar 22 21:11:09.221: As1 AAA/AUTHOR/IPCP: Done.
   Her address 0.0.0.0, we want 10.1.1.1
*Mar 22 21:11:09.229: As1 IPCP: O CONFREJ [REQsent] id 5 len 34
*Mar 22 21:11:09.229: As1 IPCP:    CompressType VJ 15 slots
   CompressSlotID (0x0206002D0F01)
*Mar 22 21:11:09.233: As1 IPCP:    PrimaryDNS 0.0.0.0 (0x810600000000)
*Mar 22 21:11:09.237: As1 IPCP:    PrimaryWINS 0.0.0.0 (0x820600000000)
*Mar 22 21:11:09.241: As1 IPCP:    SecondaryDNS 0.0.0.0 (0x830600000000)
*Mar 22 21:11:09.245: As1 IPCP:    SecondaryWINS 0.0.0.0 (0x840600000000)
*Mar 22 21:11:09.249: As1 IPCP: I CONFACK [REQsent] id 19 len 10
*Mar 22 21:11:09.253: As1 IPCP:    Address 171.68.201.53 (0x0306AB44C935)
*Mar 22 21:11:09.673: As1 IPCP: I CONFREQ [ACKrcvd] id 6 len 10
*Mar 22 21:11:09.677: As1 IPCP:    Address 0.0.0.0 (0x030600000000)
*Mar 22 21:11:09.681: As1 AAA/AUTHOR/IPCP: Start.
   Her address 0.0.0.0, we want 10.1.1.1
*Mar 22 21:11:09.685: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp
*Mar 22 21:11:09.685: As1 AAA/AUTHOR/IPCP: Authorization succeeded
*Mar 22 21:11:09.689: As1 AAA/AUTHOR/IPCP: Done.
   Her address 0.0.0.0, we want 10.1.1.1
*Mar 22 21:11:09.693: As1 IPCP: O CONFNAK [ACKrcvd] id 6 len 10
*Mar 22 21:11:09.697: As1 IPCP:    Address 10.1.1.1 (0x03060A010101)
*Mar 22 21:11:09.813: As1 IPCP: I CONFREQ [ACKrcvd] id 7 len 10
*Mar 22 21:11:09.817: As1 IPCP:    Address 10.1.1.1 (0x03060A010101)
*Mar 22 21:11:09.821: As1 AAA/AUTHOR/IPCP: Start.
   Her address 10.1.1.1, we want 10.1.1.1
*Mar 22 21:11:09.825: As1 AAA/AUTHOR/IPCP (1344088998): Port='Async1'
   list='' service=NET
*Mar 22 21:11:09.829: AAA/AUTHOR/IPCP: As1 (1344088998) user='radtime'
*Mar 22 21:11:09.833: As1 AAA/AUTHOR/IPCP (1344088998): send AV service=ppp
*Mar 22 21:11:09.833: As1 AAA/AUTHOR/IPCP (1344088998): send AV protocol=ip
*Mar 22 21:11:09.837: As1 AAA/AUTHOR/IPCP (1344088998): send AV addr*10.1.1.1
*Mar 22 21:11:09.837: As1 AAA/AUTHOR/IPCP (1344088998): found list "default"
*Mar 22 21:11:09.841: As1 AAA/AUTHOR/IPCP (1344088998): Method=radius (radius)
*Mar 22 21:11:09.845: As1 AAA/AUTHOR (1344088998): Post authorization
   status = PASS_REPL
*Mar 22 21:11:09.849: As1 AAA/AUTHOR/IPCP: Reject 10.1.1.1, using 10.1.1.1
*Mar 22 21:11:09.853: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp
*Mar 22 21:11:09.857: As1 AAA/AUTHOR/IPCP: Processing AV addr*10.1.1.1
*Mar 22 21:11:09.857: As1 AAA/AUTHOR/IPCP: Authorization succeeded
*Mar 22 21:11:09.861: As1 AAA/AUTHOR/IPCP: Done.
   Her address 10.1.1.1, we want 10.1.1.1
*Mar 22 21:11:09.865: As1 IPCP: O CONFACK [ACKrcvd] id 7 len 10
*Mar 22 21:11:09.869: As1 IPCP:    Address 10.1.1.1 (0x03060A010101)
*Mar 22 21:11:09.873: As1 IPCP: State is Open
*Mar 22 21:11:09.885: As1 IPCP: Install route to 10.1.1.1
3w0d: %LINEPROTO-5-UPDOWN: Line protocol on Interface Async1,
   changed state to up
```

相關資訊

- 為撥入使用者端設定基本AAA RADIUS
- RADIUS支援頁面
- Cisco Secure UNIX支援頁
- 使用Livingston Server配置RADIUS
- 要求建議 (RFC)
- 技術支援 - Cisco Systems