

# Configuración del tono de respuesta PPP con RADIUS

## Contenido

[Introducción](#)

[Antes de comenzar](#)

[Convenciones](#)

[prerrequisitos](#)

[Componentes Utilizados](#)

[Configurar](#)

[Diagrama de la red](#)

[Configuración del servidor – CiscoSecure NT](#)

[Configuración del servidor – CiscoSecure UNIX](#)

[Configuración del servidor - Livingston RADIUS \(con pares av de Cisco\)](#)

[Configuraciones](#)

[Verificación](#)

[Troubleshooting](#)

[Comandos para resolución de problemas](#)

[Ejemplo de resultado del comando debug](#)

[Devolución de llamadas PPP con el número especificado por el usuario](#)

[Configuración del servidor](#)

[Configuración del servidor – CiscoSecure NT](#)

[Configuración del servidor – CiscoSecure UNIX](#)

[Configuración del servidor Livingston RADIUS](#)

[Ejemplo de resultado del comando debug](#)

[Información Relacionada](#)

## [Introducción](#)

Este documento muestra ejemplos de configuración del router y servidor para hacer una devolución de llamada de Point-to-Point Protocol (PPP) con RADIUS.

## [Antes de comenzar](#)

### [Convenciones](#)

Para obtener más información sobre las convenciones del documento, consulte [Convenciones de Consejos Técnicos de Cisco](#).

### [prerrequisitos](#)

Para que esto funcione:

- Realice las pruebas iniciales con la autenticación local y la devolución de llamadas (es decir, extraiga el comando aaa new-model). Si la devolución de llamada no funciona con autenticación local, no funcionará con RADIUS. [Vea este ejemplo sobre el uso de la autenticación local.](#)
- Realice pruebas de autenticación PPP adicionales con RADIUS sin devolución de llamada Si los usuarios FALLAN la autenticación y/o la autorización sin devolución de llamada, la autenticación y la autorización no funcionarán con la devolución de llamada.
- Una vez que funcionen la autenticación local para la devolución de llamada y la autenticación PPP con RADIUS, agregue la información del usuario local en el router (tal como la cadena de marcado de devolución de llamada) al perfil del usuario en el servidor.

**Nota:** El cliente en estas pruebas fue un servidor NT 4.0, DUN, configurado como es habitual para una conexión PPP, pero con las extensiones Enable PPP/LCP verificadas en el Servidor para permitir la devolución de llamadas de Microsoft. La devolución de llamada de Microsoft se soporta en las versiones 11.3.2.T del Cisco IOS ® Software y posterior. Para información específica sobre cómo poner su Microsoft Windows PC para el servicio repetido, refiera al sitio Web de Microsoft.

## Componentes Utilizados

Esta configuración fue desarrollada y probada utilizando las versiones de software indicadas a continuación.

- Cisco IOS Software Release 11.3.2.T y Posterior
- CiscoSecure ACS UNIX 2.x o CiscoSecure ACS for Windows 2.x o más arriba

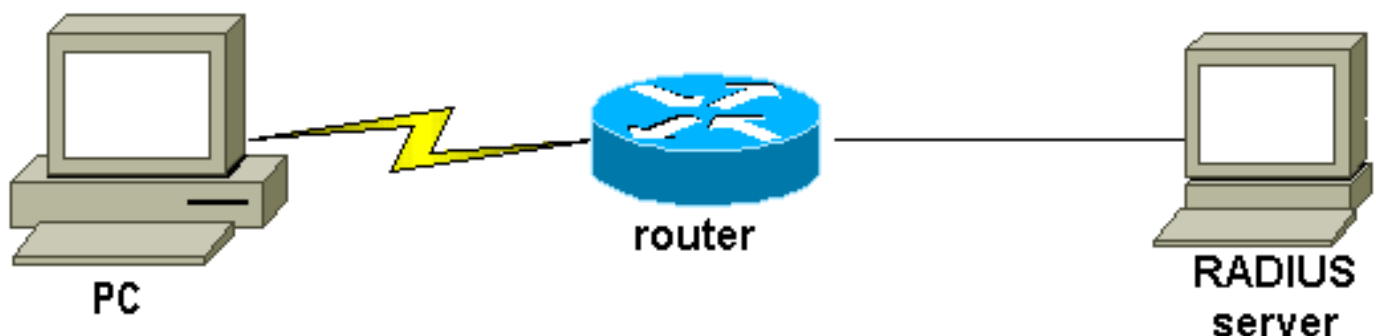
## Configurar

En esta sección encontrará la información para configurar las funciones descritas en este documento.

**Nota:** Para obtener información adicional sobre los comandos que se utilizan en este documento, use la Command Lookup Tool (solo para clientes [registrados](#)).

## Diagrama de la red

Este documento utiliza la instalación de red que se muestra en el siguiente diagrama.



## Configuración del servidor – CiscoSecure NT

- El usuario obtiene la contraseña y la confirma.
- En configuraciones de grupo: atributo 006 Tipo de servicio = atributo entramado 007  
Protocolo entramado = PPP
- En el rectángulo más reciente en la pantalla, los Ciscos RADIUS Attribute, el control [009\001 - el Par AV] y debajo, ingresa: lcp: callback-dialstring=20367.

## Configuración del servidor – CiscoSecure UNIX

```
rtp-berry# ./ViewProfile -p 9900 -u callback
User Profile Information
user = callback{
profile_id = 34
profile_cycle = 1
radius=Cisco {
check_items= {
2="callback"
}
reply_attributes= {
6=2
7=1
9,1="lcp:callback-dialstring=20367"
}
}
}
```

## Configuración del servidor - Livingston RADIUS (con pares av de Cisco)

```
callback2 Password = "callback2"
User-Service-Type = Framed-User,
Framed-Protocol = PPP,
cisco-avpair = "lcp:callback-dialstring=20367"
```

## Configuraciones

### **Configuración del router**

```
rtpkrb#show run Building configuration... Current
configuration: ! version 11.3 service timestamps debug
uptime service timestamps log uptime no service
password-encryption service udp-small-servers service
tcp-small-servers ! hostname rtpkrb ! !--- AAA
configuration. aaa new-model aaa authentication login
default radius none aaa authentication ppp default
radius none aaa authorization exec default radius none
aaa authorization network default radius none enable
secret 5 $1$pkX.$JdAysRE1SbdbDe7bj0wyt0 enable password
ww ! ip host rtpkrb 10.31.1.5 ip domain-name
RTP.CISCO.COM ip name-server 171.68.118.103 !--- Chat-
scripts to be used for the dialout. chat-script offhook
" "ATH1" OK chat-script callback ABORT ERROR ABORT BUSY
" "ATZ" OK "ATDT \T" TIMEOUT 30 CONNECT \c ! interface
Loopback0 ip address 1.1.1.1 255.255.255.0 ! interface
Ethernet0 ip address 10.31.1.5 255.255.0.0 ! interface
Serial0 no ip address no ip mroute-cache shutdown !
interface Serial1 no ip address shutdown ! interface
Async1 ip unnumbered Ethernet0 encapsulation ppp async
```

```
mode dedicated peer default ip address pool async no cdp
enable ppp max-bad-auth 3 ppp callback accept ppp
authentication pap ! ip local pool async 15.15.15.15 ip
classless ip route 0.0.0.0 0.0.0.0 10.31.1.1 snmp-server
community public RW snmp-server host 171.68.118.100
traps public radius-server host 171.68.118.101 auth-port
1645 acct-port 1646 radius-server key cisco ! line con 0
line 1 session-timeout 20 exec-timeout 20 0 password ww
autoselect ppp script modem-off-hook offhook script
callback callback modem InOut transport input all
stopbits 1 speed 38400 flowcontrol hardware line 2 modem
InOut speed 38400 flowcontrol hardware line 3 16 line
aux 0 line vty 0 4 exec-timeout 0 0 timeout login
response 100 password ww ! end
```

## Verificación

Actualmente, no hay un procedimiento de verificación disponible para esta configuración.

## Troubleshooting

En esta sección encontrará información que puede utilizar para solucionar problemas de configuración.

## Comandos para resolución de problemas

**Nota:** Antes de ejecutar un comando debug, consulte Información Importante sobre Comandos Debug.

- debug aaa authentication: muestra información sobre la autenticación de AAA.
- debug aaa authorization: muestra información sobre autorización AAA.
- debug callback - Muestra los eventos de devolución de llamadas cuando el router está usando un módem y una secuencia de comandos de conversación para devolver una llamada en una línea terminal.
- debug chat - Muestra caracteres que se envían entre el Servidor de acceso a la red (NAS) y la PC. Un comando de conversación es un conjunto de pares de la cadena esperar-enviar que define la entrada en contacto entre el equipo de terminal de datos (DTE) y DTE o entre DTE y los dispositivos de equipos de comunicaciones de datos (DCE).
- debug modem: para observar la actividad de línea del módem en un servidor de acceso.
- debug ppp negotiation: muestra los paquetes PPP transmitidos durante el inicio PPP, donde se negocian las opciones PPP.
- debug ppp authentication - Muestra los mensajes del protocolo de autenticación, entre ellos los intercambios de paquetes de Protocolo de autenticación por desafío mutuo (CHAP) e intercambios de Protocolo de autenticación de contraseña (PAP).
- debug radius - Muestra información detallada de depuración asociada con el RADIUS.

## Ejemplo de resultado del comando debug

General OS:

Modem control/process activation debugging is on

```
AAA Authentication debugging is on
AAA Authorization debugging is on
PPP:
PPP protocol negotiation debugging is on
Chat Scripts:
Chat scripts activity debugging is on
Callback:
Callback activity debugging is on
Radius protocol debugging is on
rtpkrb#
04:04:42: TTY1: DSR came up
04:04:42: tty1: Modem: IDLE->READY
04:04:42: TTY1: Autoselect started
04:04:44: TTY1: Autoselect sample 7E
04:04:44: TTY1: Autoselect sample 7EFF
04:04:44: TTY1: Autoselect sample 7EFF7D
04:04:44: TTY1: Autoselect sample 7EFF7D23
04:04:44: TTY1 Autoselect cmd: ppp negotiate
04:04:44: TTY1: EXEC creation
04:04:46: %LINK-3-UPDOWN: Interface Async1, changed state to up
04:04:46: As1 PPP: Treating connection as a dedicated line
04:04:46: As1 PPP: Phase is ESTABLISHING, Active Open
04:04:46: As1 LCP: O CONFREQ [Closed] id 224 len 24
04:04:46: As1 LCP: ACCM 0x000A0000 (0x0206000A0000)
04:04:46: As1 LCP: AuthProto PAP (0x0304C023)
04:04:46: As1 LCP: MagicNumber 0xE0FE5C09 (0x0506E0FE5C09)
04:04:46: As1 LCP: PFC (0x0702)
04:04:46: As1 LCP: ACFC (0x0802)
04:04:46: As1 LCP: I CONFACK [REQsent] id 224 len 24
04:04:46: As1 LCP: ACCM 0x000A0000 (0x0206000A0000)
04:04:46: As1 LCP: AuthProto PAP (0x0304C023)
04:04:46: As1 LCP: MagicNumber 0xE0FE5C09 (0x0506E0FE5C09)
04:04:46: As1 LCP: PFC (0x0702)
04:04:46: As1 LCP: ACFC (0x0802)
04:04:47: As1 LCP: I CONFREQ [ACKrcvd] id 0 len 23
04:04:47: As1 LCP: ACCM 0x00000000 (0x020600000000)
04:04:47: As1 LCP: MagicNumber 0x00006CCD (0x050600006CCD)
04:04:47: As1 LCP: PFC (0x0702)
04:04:47: As1 LCP: ACFC (0x0802)
04:04:47: As1 LCP: Callback 6 (0x0D0306)
04:04:47: As1 LCP: O CONFACK [ACKrcvd] id 0 len 23
04:04:47: As1 LCP: ACCM 0x00000000 (0x020600000000)
04:04:47: As1 LCP: MagicNumber 0x00006CCD (0x050600006CCD)
04:04:47: As1 LCP: PFC (0x0702)
04:04:47: As1 LCP: ACFC (0x0802)
04:04:47: As1 LCP: Callback 6 (0x0D0306)
04:04:47: As1 LCP: State is Open
04:04:47: As1 PPP: Phase is AUTHENTICATING, by this end
04:04:47: As1 LCP: I IDENTIFY [Open] id 1 len 18 magic
    0x00006CCD MSRASV4.00
04:04:47: As1 LCP: I IDENTIFY [Open] id 2 len 21 magic
    0x00006CCD MSRAS-1-ZEKIE
04:04:47: As1 PAP: I AUTH-REQ id 15 len 24 from "callback2"
04:04:47: As1 PAP: Authenticating peer callback2
04:04:47: AAA/AUTHEN: create_user (0x14B1CC) user='callback2' ruser=''
    port='Async1' rem_addr='async' authen_type=PAP service=PPP priv=1
04:04:47: AAA/AUTHEN/START (3229557248): port='Async1' list=''
    action=LOGIN service=PPP
04:04:47: AAA/AUTHEN/START (3229557248): using "default" list
04:04:47: AAA/AUTHEN/START (3229557248): Method=RADIUS
04:04:47: RADIUS: Computed extended port value 0:1:
04:04:47: RADIUS: Initial Transmit id 156 171.68.118.101:1645,
    Access-Request, len 79
04:04:47: Attribute 4 6 0A1F0105
```

04:04:47: Attribute 5 6 00000001  
04:04:47: Attribute 61 6 00000000  
04:04:47: Attribute 1 11 63616C6C  
04:04:47: Attribute 2 18 47E86FBC  
04:04:47: Attribute 6 6 00000002  
04:04:47: Attribute 7 6 00000001  
04:04:47: RADIUS: Received from id 156 171.68.118.101:1645,  
Access-Accept, len 69  
04:04:47: Attribute 6 6 00000002  
04:04:47: Attribute 7 6 00000001  
04:04:47: Attribute 26 37 00000009011F6C63  
04:04:47: RADIUS: saved authorization data for user 14B1CC at 14A684  
04:04:47: AAA/AUTHEN (3229557248): status = PASS  
04:04:47: AAA/AUTHOR/LCP As1: Authorize LCP  
04:04:47: AAA/AUTHOR/LCP As1 (101984404): Port='Async1'  
list='' service=NET  
04:04:47: AAA/AUTHOR/LCP: As1 (101984404) user='callback2'  
04:04:47: AAA/AUTHOR/LCP: As1 (101984404) send AV service=ppp  
04:04:47: AAA/AUTHOR/LCP: As1 (101984404) send AV protocol=lcp  
04:04:47: AAA/AUTHOR/LCP (101984404) found list "default"  
04:04:47: AAA/AUTHOR/LCP: As1 (101984404) Method=RADIUS  
*!--- Callback number is obtained from the RADIUS server.* 04:04:47: RADIUS: cisco AVPair  
"lcp:callback-dialstring=20367" 04:04:47: AAA/AUTHOR (101984404): Post authorization status =  
PASS\_REPL 04:04:47: AAA/AUTHOR/LCP As1: Processing AV service=ppp 04:04:47: AAA/AUTHOR/LCP As1:  
Processing AV callback-dialstring=20367 04:04:47: As1 PAP: O AUTH-ACK id 15 len 5 04:04:47: As1  
MCB: User callback2 Callback Number - Server 20367 04:04:47: Async1 PPP: O MCB Request(1) id 47  
len 7 04:04:47: Async1 MCB: O 1 2F 0 7 3 3 0 04:04:47: As1 MCB: O Request Id 47 Callback Type  
Server-Num delay 0 04:04:47: Async1 PPP: I MCB Response(2) id 47 len 7 04:04:47: Async1 MCB: I 2  
2F 0 7 3 3 C 04:04:47: As1 MCB: Received response 04:04:47: As1 MCB: Response CBK-Server-Num 3 3  
12 04:04:47: Async1 PPP: O MCB Ack(3) id 48 len 7 04:04:47: Async1 MCB: O 3 30 0 7 3 3 C  
04:04:47: As1 MCB: O Ack Id 48 Callback Type Server-Num delay 12 04:04:47: As1 MCB: Negotiated  
MCB with peer 04:04:47: %LINEPROTO-5-UPDOWN: Line protocol on Interface Async1, changed state to  
up 04:04:47: As1 LCP: I TERMREQ [Open] id 3 len 8 (0x00000000) 04:04:47: As1 LCP: O TERMACK  
[Open] id 3 len 4 04:04:47: As1 MCB: Peer terminating the link 04:04:47: As1 PPP: Phase is  
TERMINATING 04:04:47: As1 MCB: Link terminated by peer, Callback Needed *!--- Callback is  
initiated.* 04:04:47: As1 MCB: Initiate Callback for callback2 at 20367 using Async 04:04:47: As1  
MCB: Async-callback in progress 04:04:47: TTY1 Callback PPP process creation 04:04:47: As1  
AAA/ACCT: Using PPP accounting list "" 04:04:47: TTY1 Callback process initiated, user:  
dialstring 20367 04:04:48: %LINEPROTO-5-UPDOWN: Line protocol on Interface Async1, changed state  
to down 04:04:48: TTY1: Async Int reset: Dropping DTR 04:04:49: As1 LCP: TIMEOUT: Time 0xE02574  
State TERMsent 04:04:49: As1 LCP: State is Closed 04:04:49: As1 PPP: Phase is DOWN 04:04:49: As1  
PPP: Phase is ESTABLISHING, Passive Open 04:04:49: As1 LCP: State is Listen 04:04:50: %LINK-5-  
CHANGED: Interface Async1, changed state to reset 04:04:50: As1 LCP: State is Closed 04:04:50:  
As1 PPP: Phase is DOWN 04:04:50: As1 IPCP: Remove route to 15.15.15.15 04:04:53: AAA/AUTHEN:  
free\_user (0x14B1CC) user='callback2' ruser='' port='Async1' rem\_addr='async' authn\_type=PAP  
service=PPP priv=1 04:04:53: TTY1 Callback forced wait = 4 seconds 04:04:55: %LINK-3-UPDOWN:  
Interface Async1, changed state to down 04:04:55: As1 LCP: State is Closed 04:04:55: As1 PPP:  
Phase is DOWN 04:04:57: CHAT1: Matched chat script offhook to string offhook 04:04:57: CHAT1:  
Asserting DTR 04:04:57: CHAT1: Chat script offhook started 04:04:57: CHAT1: Sending string: ATH1  
04:04:57: CHAT1: Expecting string: OK 04:04:57: CHAT1: Completed match for expect: OK 04:04:57:  
CHAT1: Chat script offhook finished, status = Success 04:04:57: CHAT1: Matched chat script  
callback to string callback 04:04:57: CHAT1: Asserting DTR 04:04:57: CHAT1: Chat script callback  
started 04:04:57: CHAT1: Sending string: ATZ 04:04:57: CHAT1: Expecting string: OK 04:04:57:  
CHAT1: Completed match for expect: OK 04:04:57: CHAT1: Sending string: ATDT \T<20367> 04:04:57:  
CHAT1: Expecting string: CONNECT 04:05:14: CHAT1: Completed match for expect: CONNECT 04:05:14:  
CHAT1: Sending string: \c 04:05:14: CHAT1: Chat script callback finished, status = Success  
04:05:14: TTY1 PPP Callback Successful - await exec/autoselect pickup 04:05:16: TTY1: DSR came  
up 04:05:16: TTY1: Callback in effect 04:05:16: tty1: Modem: IDLE->READY 04:05:16: TTY1:  
Autoselect started 04:05:16: As1 LCP: I CONFREQ [Closed] id 0 len 20 04:05:16: As1 LCP: ACCM  
0x00000000 (0x020600000000) 04:05:16: As1 LCP: MagicNumber 0x000007A0 (0x0506000007A0) 04:05:16:  
As1 LCP: PFC (0x0702) 04:05:16: As1 LCP: ACFC (0x0802) 04:05:16: As1 LCP: Lower layer not up,  
discarding packet 04:05:18: %LINK-3-UPDOWN: Interface Async1, changed state to up 04:05:18: As1  
PPP: Treating connection as a dedicated line 04:05:18: As1 PPP: Phase is ESTABLISHING, Active  
Open 04:05:18: As1 LCP: O CONFREQ [Closed] id 225 len 24 04:05:18: As1 LCP: ACCM 0x000A0000

(0x0206000A0000) 04:05:18: As1 LCP: AuthProto PAP (0x0304C023) 04:05:18: As1 LCP: MagicNumber 0xE0FED8A0 (0x0506E0FED8A0) 04:05:18: As1 LCP: PFC (0x0702) 04:05:18: As1 LCP: ACFC (0x0802) 04:05:18: As1 LCP: I CONFACK [REQsent] id 225 len 24 04:05:18: As1 LCP: ACCM 0x000A0000 (0x0206000A0000) 04:05:18: As1 LCP: AuthProto PAP (0x0304C023) 04:05:18: As1 LCP: MagicNumber 0xE0FED8A0 (0x0506E0FED8A0) 04:05:18: As1 LCP: PFC (0x0702) 04:05:18: As1 LCP: ACFC (0x0802) 04:05:19: As1 LCP: I CONFREQ [ACKrcvd] id 0 len 20 04:05:19: As1 LCP: ACCM 0x00000000 (0x020600000000) 04:05:19: As1 LCP: MagicNumber 0x000007A0 (0x0506000007A0) 04:05:19: As1 LCP: PFC (0x0702) 04:05:19: As1 LCP: ACFC (0x0802) 04:05:19: As1 LCP: O CONFACK [ACKrcvd] id 0 len 20 04:05:19: As1 LCP: ACCM 0x00000000 (0x020600000000) 04:05:19: As1 LCP: MagicNumber 0x000007A0 (0x0506000007A0) 04:05:19: As1 LCP: PFC (0x0702) 04:05:19: As1 LCP: ACFC (0x0802) 04:05:19: As1 LCP: State is Open 04:05:19: As1 PPP: Phase is AUTHENTICATING, by this end 04:05:19: As1 LCP: I IDENTIFY [Open] id 1 len 18 magic 0x000007A0 MSRASV4.00 04:05:19: As1 LCP: I IDENTIFY [Open] id 2 len 21 magic 0x000007A0 MSRAS-1-ZEKIE 04:05:19: As1 PAP: I AUTH-REQ id 16 len 24 from "callback2" 04:05:19: As1 PAP: Authenticating peer callback2 04:05:19: AAA/AUTHEN: create\_user (0x14A640) user='callback2' ruser='' port='Async1' rem\_addr='async' authen\_type=PAP service=PPP priv=1 04:05:19: AAA/AUTHEN/START (1256800753): port='Async1' list='' action=LOGIN service=PPP 04:05:19: AAA/AUTHEN/START (1256800753): using "default" list 04:05:19: AAA/AUTHEN/START (1256800753): Method=RADIUS 04:05:19: RADIUS: Computed extended port value 0:1: 04:05:19: RADIUS: Initial Transmit id 157 171.68.118.101:1645, Access-Request, len 79 04:05:19: Attribute 4 6 0A1F0105 04:05:19: Attribute 5 6 00000001 04:05:19: Attribute 61 6 00000000 04:05:19: Attribute 1 11 63616C6C 04:05:19: Attribute 2 18 C29C6276 04:05:19: Attribute 6 6 00000002 04:05:19: Attribute 7 6 00000001 04:05:19: RADIUS: Received from id 157 171.68.118.101:1645, Access-Accept, len 69 04:05:19: Attribute 6 6 00000002 04:05:19: Attribute 7 6 00000001 04:05:19: Attribute 26 37 00000009011F6C63 04:05:19: RADIUS: saved authorization data for user 14A640 at 14B1CC 04:05:19: AAA/AUTHEN (1256800753): status = PASS 04:05:19: AAA/AUTHOR/LCP As1: Authorize LCP 04:05:19: AAA/AUTHOR/LCP As1 (1783017574): Port='Async1' list='' service=NET 04:05:19: AAA/AUTHOR/LCP: As1 (1783017574) user='callback2' 04:05:19: AAA/AUTHOR/LCP: As1 (1783017574) send AV service=ppp 04:05:19: AAA/AUTHOR/LCP: As1 (1783017574) send AV protocol=lcp 04:05:19: AAA/AUTHOR/LCP (1783017574) found list "default" 04:05:19: AAA/AUTHOR/LCP: As1 (1783017574) Method=RADIUS 04:05:19: RADIUS: cisco AVPair "lcp:callback-dialstring=20367" 04:05:19: AAA/AUTHOR (1783017574): Post authorization status = PASS\_REPL 04:05:19: AAA/AUTHOR/LCP As1: Processing AV service=ppp 04:05:19: AAA/AUTHOR/LCP As1: Processing AV callback-dialstring=20367 04:05:19: As1 PAP: O AUTH-ACK id 16 len 5 04:05:19: As1 PPP: Phase is UP 04:05:19: AAA/AUTHOR/FSM As1: (0): Can we start IPCP? 04:05:19: AAA/AUTHOR/FSM As1 (1621572650): Port='Async1' list='' service=NET 04:05:19: AAA/AUTHOR/FSM: As1 (1621572650) user='callback2' 04:05:19: AAA/AUTHOR/FSM: As1 (1621572650) send AV service=ppp 04:05:19: AAA/AUTHOR/FSM: As1 (1621572650) send AV protocol=ip 04:05:19: AAA/AUTHOR/FSM (1621572650) found list "default" 04:05:19: AAA/AUTHOR/FSM: As1 (1621572650) Method=RADIUS 04:05:19: RADIUS: cisco AVPair "lcp:callback-dialstring=20367" not applied for ip 04:05:19: AAA/AUTHOR (1621572650): Post authorization status = PASS\_REPL 04:05:19: AAA/AUTHOR/FSM As1: We can start IPCP 04:05:19: As1 IPCP: O CONFREQ [Closed] id 24 len 10 04:05:19: As1 IPCP: Address 10.31.1.5 (0x03060A1F0105) 04:05:19: As1 IPCP: I CONFREQ [REQsent] id 3 len 40 04:05:19: As1 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01) 04:05:19: As1 IPCP: Address 0.0.0.0 (0x030600000000) 04:05:19: As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000) 04:05:19: As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000) 04:05:19: As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000) 04:05:19: As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000) 04:05:19: AAA/AUTHOR/IPCP As1: Start. Her address 0.0.0.0, we want 0.0.0.0 04:05:19: AAA/AUTHOR/IPCP As1: Processing AV service=ppp 04:05:19: AAA/AUTHOR/IPCP As1: Authorization succeeded 04:05:19: AAA/AUTHOR/IPCP As1: Done. Her address 0.0.0.0, we want 0.0.0.0 04:05:19: As1 IPCP: Using pool 'async' 04:05:19: As1 IPCP: Pool returned 15.15.15.15 04:05:19: As1 IPCP: O CONFREQ [REQsent] id 3 len 28 04:05:19: As1 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01) 04:05:19: As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000) 04:05:19: As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000) 04:05:19: As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000) 04:05:19: As1 IPCP: I CONFACK [REQsent] id 24 len 10 04:05:19: As1 IPCP: Address 10.31.1.5 (0x03060A1F0105) 04:05:19: As1 IPCP: I CONFREQ [ACKrcvd] id 4 len 16 04:05:19: As1 IPCP: Address 0.0.0.0 (0x030600000000) 04:05:19: As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000) 04:05:19: AAA/AUTHOR/IPCP As1: Start. Her address 0.0.0.0, we want 15.15.15.15 04:05:19: AAA/AUTHOR/IPCP As1: Processing AV service=ppp 04:05:19: AAA/AUTHOR/IPCP As1: Authorization succeeded 04:05:19: AAA/AUTHOR/IPCP As1: Done. Her address 0.0.0.0, we want 15.15.15.15 04:05:19: As1 IPCP: O CONFNAK [ACKrcvd] id 4 len 16 04:05:19: As1 IPCP: Address 15.15.15.15 (0x03060F0F0F0F) 04:05:19: As1 IPCP: PrimaryDNS 171.68.118.103 (0x8106AB447667) 04:05:20: As1 IPCP: I CONFREQ [ACKrcvd] id 5 len 16 04:05:20: As1 IPCP: Address 15.15.15.15 (0x03060F0F0F0F) 04:05:20: As1 IPCP: PrimaryDNS 171.68.118.103 (0x8106AB447667) 04:05:20: AAA/AUTHOR/IPCP As1: Start. Her address 15.15.15.15, we want 15.15.15.15 04:05:20: AAA/AUTHOR/IPCP As1 (2922034935): Port='Async1' list='' service=NET 04:05:20: AAA/AUTHOR/IPCP:

```

As1 (2922034935) user='callback2' 04:05:20: AAA/AUTHOR/IPCP: As1 (2922034935) send AV
service=ppp 04:05:20: AAA/AUTHOR/IPCP: As1 (2922034935) send AV protocol=ip 04:05:20:
AAA/AUTHOR/IPCP: As1 (2922034935) send AV addr*15.15.15.15 04:05:20: AAA/AUTHOR/IPCP
(2922034935) found list "default" 04:05:20: AAA/AUTHOR/IPCP: As1 (2922034935) Method=RADIUS
04:05:20: RADIUS: cisco AVPair "lcp:callback-dialstring=20367" not applied for ip 04:05:20:
AAA/AUTHOR (2922034935): Post authorization status = PASS_REPL 04:05:20: AAA/AUTHOR/IPCP As1:
Reject 15.15.15.15, using 15.15.15.15 04:05:20: AAA/AUTHOR/IPCP As1: Processing AV service=ppp
04:05:20: AAA/AUTHOR/IPCP As1: Processing AV addr*15.15.15.15 04:05:20: AAA/AUTHOR/IPCP As1:
Authorization succeeded 04:05:20: AAA/AUTHOR/IPCP As1: Done. Her address 15.15.15.15, we want
15.15.15.15 04:05:20: As1 IPCP: O CONFACK [ACKrcvd] id 5 len 16 04:05:20: As1 IPCP: Address
15.15.15.15 (0x03060F0F0F0F) 04:05:20: As1 IPCP: PrimaryDNS 171.68.118.103 (0x8106AB447667)
04:05:20: As1 IPCP: State is Open 04:05:20: As1 IPCP: Install route to 15.15.15.15 04:05:20:
%LINEPROTO-5-UPDOWN: Line protocol on Interface Async1, changed state to up

```

## [Devolución de llamadas PPP con el número especificado por el usuario](#)

Los ejemplos anteriores eran de devolución de llamadas con un número predefinido (especificado en el servidor). El servicio repetido se puede también hacer en un número definido por el usuario; es decir, el número de devolución de llamada se especifica como falta de información en el servidor de autenticación. Esto hace que el router solicite al usuario un número de devolución de llamada. Nuevamente, deben efectuarse pruebas iniciales con devolución de llamada especificada. Si una devolución de llamada local y una cadena nula de devolución de llamadas no funciona (es decir, elimina el comando `aaa new-model`), ¡una devolución de llamada RADIUS no funcionará! Para especificar una cadena nula de devolución de llamada local en el router:

```
username callback callback-dialstring "" password 0 callback
```

En la PC, bajo Dial-Up-Networking (Windows NT server), User Preferences, marque en el cuadro Callback "maybe ask me during redial if server offers". Una vez que autentican al usuario, una ventana se visualiza en el PC que dice el "servicio repetido - usted ha ingresado "fija por el llamante," seguido por el resto del mensaje, y entonces "ingrese el número de teléfono del módem."

## [Configuración del servidor](#)

### [Configuración del servidor – CiscoSecure NT](#)

- El usuario obtiene la contraseña y la confirma.
- En configuraciones de grupo: atributo 006 Tipo de servicio = atributo entramado 007  
Protocolo entramado = PPP
- En el rectángulo más reciente en la pantalla, los Ciscos RADIUS Attribute, el control [009\001 - el Par AV] y debajo, ingresa: `lcp: callback-dialstring=`

### [Configuración del servidor – CiscoSecure UNIX](#)

```

rtp-berry# ./ViewProfile -p 9900 -u callback
User Profile Information
user = callback{
profile_id = 34
profile_cycle = 1
radius=Cisco {
check_items= {
2="callback"

```



```

}
reply_attributes= {
6=2
7=1
9,1="lcp:callback-dialstring="
}
}
}

```

## Configuración del servidor Livingston RADIUS

```

callback2 Password = "callback2"
User-Service-Type = Framed-User,
Framed-Protocol = PPP,
cisco-avpair = "lcp:callback-dialstring="

```

## Ejemplo de resultado del comando debug

```

koala#show debug General OS: Modem control/process activation debugging is on AAA Authentication
debugging is on AAA Authorization debugging is on Dial on demand: Dial on demand events
debugging is on PPP: PPP authentication debugging is on PPP protocol negotiation debugging is on
Chat Scripts: Chat scripts activity debugging is on Callback: Callback activity debugging is on
Radius protocol debugging is on koala# 02:23:01: TTY1: DSR came up 02:23:01: tty1: Modem: IDLE-
>READY 02:23:01: TTY1: Autoselect started 02:23:03: TTY1: Autoselect sample 7E 02:23:03: TTY1:
Autoselect sample 7EFF 02:23:03: TTY1: Autoselect sample 7EFF7D 02:23:03: TTY1: Autoselect
sample 7EFF7D23 02:23:03: TTY1 Autoselect cmd: ppp negotiate 02:23:03: TTY1: EXEC creation
02:23:05: %LINK-3-UPDOWN: Interface Async1, changed state to up 02:23:05: As1 PPP: Treating
connection as a dedicated line 02:23:05: As1 PPP: Phase is ESTABLISHING, Active Open 02:23:05:
As1 LCP: O CONFREQ [Closed] id 27 len 24 02:23:05: As1 LCP: ACCM 0x000A0000 (0x0206000A0000)
02:23:05: As1 LCP: AuthProto PAP (0x0304C023) 02:23:05: As1 LCP: MagicNumber 0xE0A14386
(0x0506E0A14386) 02:23:05: As1 LCP: PFC (0x0702) 02:23:05: As1 LCP: ACFC (0x0802) 02:23:05: As1
LCP: I CONFACK [REQsent] id 27 len 24 02:23:05: As1 LCP: ACCM 0x000A0000 (0x0206000A0000)
02:23:05: As1 LCP: AuthProto PAP (0x0304C023) 02:23:05: As1 LCP: MagicNumber 0xE0A14386
(0x0506E0A14386) 02:23:05: As1 LCP: PFC (0x0702) 02:23:05: As1 LCP: ACFC (0x0802) 02:23:06: As1
LCP: I CONFREQ [ACKrcvd] id 0 len 23 02:23:06: As1 LCP: ACCM 0x00000000 (0x020600000000)
02:23:06: As1 LCP: MagicNumber 0x0000152B (0x05060000152B) 02:23:06: As1 LCP: PFC (0x0702)
02:23:06: As1 LCP: ACFC (0x0802) 02:23:06: As1 LCP: Callback 6 (0x0D0306) 02:23:06: As1 LCP: O
CONFACK [ACKrcvd] id 0 len 23 02:23:06: As1 LCP: ACCM 0x00000000 (0x020600000000) 02:23:06: As1
LCP: MagicNumber 0x0000152B (0x05060000152B) 02:23:06: As1 LCP: PFC (0x0702) 02:23:06: As1 LCP:
ACFC (0x0802) 02:23:06: As1 LCP: Callback 6 (0x0D0306) 02:23:06: As1 LCP: State is Open
02:23:06: As1 PPP: Phase is AUTHENTICATING, by this end 02:23:06: As1 LCP: I IDENTIFY [Open] id
1 len 18 magic 0x0000152B MSRASV4.00 02:23:06: As1 LCP: I IDENTIFY [Open] id 2 len 21 magic
0x0000152B MSRAS-1-ZEKIE 02:23:06: As1 PAP: I AUTH-REQ id 64 len 22 from "userspec" 02:23:06:
As1 PAP: Authenticating peer userspec 02:23:06: AAA/AUTHEN: create_user (0x16E284)
user='userspec' ruser='' port='Async1' rem_addr='async' authen_type=PAP service=PPP priv=1
02:23:06: AAA/AUTHEN/START (835406208): port='Async1' list='' action=LOGIN service=PPP 02:23:06:
AAA/AUTHEN/START (835406208): using "default" list 02:23:06: AAA/AUTHEN (835406208): status =
UNKNOWN 02:23:06: AAA/AUTHEN/START (835406208): Method=RADIUS 02:23:06: RADIUS: Computed
extended port value 0:1: 02:23:06: RADIUS: Initial Transmit id 25 171.68.120.194:1645, Access-
Request, len 78 02:23:06: Attribute 4 6 0A1F0105 02:23:06: Attribute 5 6 00000001 02:23:06:
Attribute 61 6 00000000 02:23:06: Attribute 1 10 75736572 02:23:06: Attribute 2 18 E1377DA0
02:23:06: Attribute 6 6 00000002 02:23:06: Attribute 7 6 00000001 02:23:06: RADIUS: Received
from id 25 171.68.120.194:1645, Access-Accept, len 64 02:23:06: Attribute 6 6 00000002 02:23:06:
Attribute 7 6 00000001 02:23:06: Attribute 26 32 00000009011A6C63 02:23:06: RADIUS: saved
authorization data for user 16E284 at AlB44 02:23:06: AAA/AUTHEN (835406208): status = PASS
02:23:06: AAA/AUTHOR/LCP As1: Authorize LCP 02:23:06: AAA/AUTHOR/LCP As1 (2812925385):
Port='Async1' list='' service=NET 02:23:06: AAA/AUTHOR/LCP: As1 (2812925385) user='userspec'
02:23:06: AAA/AUTHOR/LCP: As1 (2812925385) send AV service=ppp 02:23:06: AAA/AUTHOR/LCP: As1

```

(2812925385) send AV protocol=lcp 02:23:06: AAA/AUTHOR/LCP (2812925385) found list "default"  
02:23:06: AAA/AUTHOR/LCP: As1 (2812925385) Method=RADIUS *!--- Callback dialstring is empty (null).* 02:23:06: RADIUS: cisco AVPair "lcp:callback-dialstring=" 02:23:06: AAA/AUTHOR (2812925385): Post authorization status = PASS\_REPL 02:23:06: AAA/AUTHOR/LCP As1: Processing AV service=ppp 02:23:06: AAA/AUTHOR/LCP As1: Processing AV callback-dialstring= 02:23:06: As1 PAP: O AUTH-ACK id 64 len 5 *!--- Router recognizes that it is to receive number from client !-- and starts sending requests to PC.* 02:23:06: As1 MCB: User userspec Callback Number - Client ANY 02:23:06: Async1 PPP: O MCB Request(1) id 92 len 9 02:23:06: Async1 MCB: O 1 5C 0 9 2 5 0 1 0 02:23:06: As1 MCB: O Request Id 92 Callback Type Client-Num delay 0 02:23:07: %LINEPROTO-5-UPDOWN: Line protocol on Interface Async1, changed state to up *!--- Router receives response from PC.* 02:23:09: Async1 PPP: I MCB Response(2) id 92 len 14 02:23:09: Async1 MCB: I 2 5C 0 E 2 A C 1 32 30 33 36 37 0 02:23:09: As1 MCB: Received response *!--- Received callback number from the client.* 02:23:09: As1 MCB: Response CBK-Client-Num 2 10 12, addr 1-20367 02:23:09: Async1 PPP: O MCB Ack(3) id 93 len 14 02:23:09: Async1 MCB: O 3 5D 0 E 2 A C 1 32 30 33 36 37 0 02:23:09: As1 MCB: O Ack Id 93 Callback Type Client-Num delay 12 02:23:09: As1 MCB: Negotiated MCB with peer 02:23:09: As1 LCP: I TERMREQ [Open] id 3 len 8 (0x00000000) 02:23:09: As1 LCP: O TERMACK [Open] id 3 len 4 02:23:09: As1 MCB: Peer terminating the link 02:23:09: As1 PPP: Phase is TERMINATING 02:23:09: As1 MCB: Link terminated by peer, Callback Needed *!--- Callback is initiated.* 02:23:09: As1 MCB: Initiate Callback for userspec at 20367 using Async 02:23:09: TTY1 Callback user dialstring 20367 from PPP negotiation 02:23:09: As1 MCB: Async-callback in progress 02:23:09: TTY1 Callback PPP process creation 02:23:09: As1 AAA/ACCT: Using PPP accounting list "" 02:23:09: TTY1 Callback process initiated, user: dialstring 20367 02:23:09: %LINEPROTO-5-UPDOWN: Line protocol on Interface Async1, changed state to down 02:23:10: TTY1: Async Int reset: Dropping DTR 02:23:11: As1 LCP: TIMEOUT: Time 0x831824 State TERMsent 02:23:11: As1 LCP: State is Closed 02:23:11: As1 PPP: Phase is DOWN 02:23:11: As1 VP: Cleaning already proceeding 02:23:11: As1 PPP: Phase is ESTABLISHING, Passive Open 02:23:11: AAA/AUTHEN: dup\_user (0x16E558) user='userspec' ruser='' port='Async1' rem\_addr='async' authen\_type=PAP service=PPP priv=1 source='AAA dup lcp\_reset' 02:23:11: AAA/AUTHEN: Method=IF-NEEDED: no authentication needed. user='userspec' port='Async1' rem\_addr='async' 02:23:11: As1 LCP: State is Listen 02:23:11: AAA/AUTHEN: free\_user (0x16E284) user='userspec' ruser='' port='Async1' rem\_addr='async' authen\_type=PAP service=PPP priv=1 02:23:12: %LINK-5-CHANGED: Interface Async1, changed state to reset 02:23:12: As1 LCP: State is Closed 02:23:12: As1 PPP: Phase is DOWN 02:23:12: As1 VP: Cleaning already proceeding 02:23:12: As1 IPCP: Remove route to 15.15.15.15 02:23:15: AAA/AUTHEN: free\_user (0x16E558) user='userspec' ruser='' port='Async1' rem\_addr='async' authen\_type=PAP service=PPP priv=1 02:23:15: TTY1 Callback forced wait = 4 seconds 02:23:17: %LINK-3-UPDOWN: Interface Async1, changed state to down 02:23:17: As1 LCP: State is Closed 02:23:17: As1 PPP: Phase is DOWN 02:23:17: As1 VP: Cleaning already proceeding 02:23:19: CHAT1: Matched chat script offhook to string offhook 02:23:19: CHAT1: Asserting DTR 02:23:19: CHAT1: Chat script offhook started 02:23:19: CHAT1: Sending string: ATH1 02:23:19: CHAT1: Expecting string: OK 02:23:19: CHAT1: Completed match for expect: OK 02:23:19: CHAT1: Chat script offhook finished, status = Success 02:23:19: CHAT1: Matched chat script callback to string callback 02:23:19: CHAT1: Asserting DTR 02:23:19: CHAT1: Chat script callback started 02:23:19: CHAT1: Sending string: ATZ 02:23:19: CHAT1: Expecting string: OK 02:23:19: CHAT1: Completed match for expect: OK 02:23:19: CHAT1: Sending string: ATDT \T<20367> 02:23:19: CHAT1: Expecting string: CONNECT 02:23:35: CHAT1: Completed match for expect: CONNECT 02:23:35: CHAT1: Sending string: \c 02:23:35: CHAT1: Chat script callback finished, status = Success 02:23:35: TTY1 PPP Callback Successful - await exec/autoselect pickup 02:23:37: TTY1: DSR came up 02:23:37: TTY1: Callback in effect 02:23:37: tty1: Modem: IDLE->READY 02:23:37: TTY1: Autoselect started 02:23:37: As1 LCP: I CONFREQ [Closed] id 0 len 20 02:23:37: As1 LCP: ACCM 0x00000000 (0x020600000000) 02:23:37: As1 LCP: MagicNumber 0x00005156 (0x050600005156) 02:23:37: As1 LCP: PFC (0x0702) 02:23:37: As1 LCP: ACFC (0x0802) 02:23:37: As1 LCP: Lower layer not up, discarding packet 02:23:39: %LINK-3-UPDOWN: Interface Async1, changed state to up 02:23:39: As1 PPP: Treating connection as a dedicated line 02:23:39: As1 PPP: Phase is ESTABLISHING, Active Open 02:23:39: As1 LCP: O CONFREQ [Closed] id 28 len 24 02:23:39: As1 LCP: ACCM 0x000A0000 (0x0206000A0000) 02:23:39: As1 LCP: AuthProto PAP (0x0304C023) 02:23:39: As1 LCP: MagicNumber 0xE0A1CAB2 (0x0506E0A1CAB2) 02:23:39: As1 LCP: PFC (0x0702) 02:23:39: As1 LCP: ACFC (0x0802) 02:23:40: As1 LCP: I CONFACK [REQsent] id 28 len 24 02:23:40: As1 LCP: ACCM 0x000A0000 (0x0206000A0000) 02:23:40: As1 LCP: AuthProto PAP (0x0304C023) 02:23:40: As1 LCP: MagicNumber 0xE0A1CAB2 (0x0506E0A1CAB2) 02:23:40: As1 LCP: PFC (0x0702) 02:23:40: As1 LCP: ACFC (0x0802) 02:23:40: As1 LCP: I CONFREQ [ACKrcvd] id 0 len 20 02:23:40: As1 LCP: ACCM 0x00000000 (0x020600000000) 02:23:40: As1 LCP: MagicNumber 0x00005156 (0x050600005156) 02:23:40: As1 LCP: PFC (0x0702) 02:23:40: As1 LCP: ACFC (0x0802) 02:23:40: As1 LCP: O CONFACK [ACKrcvd] id 0 len 20 02:23:40: As1 LCP: ACCM 0x00000000 (0x020600000000) 02:23:40: As1 LCP: MagicNumber 0x00005156 (0x050600005156) 02:23:40: As1 LCP: PFC (0x0702) 02:23:40: As1 LCP: ACFC (0x0802) 02:23:40: As1

LCP: State is Open 02:23:40: As1 PPP: Phase is AUTHENTICATING, by this end 02:23:41: As1 LCP: I IDENTIFY [Open] id 1 len 18 magic 0x00005156 MSRASV4.00 02:23:41: As1 LCP: I IDENTIFY [Open] id 2 len 21 magic 0x00005156 MSRAS-1-ZEKIE 02:23:41: As1 PAP: I AUTH-REQ id 65 len 22 from "userspec" 02:23:41: As1 PAP: Authenticating peer userspec 02:23:41: AAA/AUTHEN: create\_user (0x16E284) user='userspec' ruser='' port='Async1' rem\_addr='async' authen\_type=PAP service=PPP priv=1 02:23:41: AAA/AUTHEN/START (2883652190): port='Async1' list='' action=LOGIN service=PPP 02:23:41: AAA/AUTHEN/START (2883652190): using "default" list 02:23:41: AAA/AUTHEN (2883652190): status = UNKNOWN 02:23:41: AAA/AUTHEN/START (2883652190): Method=RADIUS 02:23:41: RADIUS: Computed extended port value 0:1: 02:23:41: RADIUS: Initial Transmit id 26 171.68.120.194:1645, Access-Request, len 78 02:23:41: Attribute 4 6 0A1F0105 02:23:41: Attribute 5 6 00000001 02:23:41: Attribute 61 6 00000000 02:23:41: Attribute 1 10 75736572 02:23:41: Attribute 2 18 8150DA02 02:23:41: Attribute 6 6 00000002 02:23:41: Attribute 7 6 00000001 02:23:41: RADIUS: Received from id 26 171.68.120.194:1645, Access-Accept, len 64 02:23:41: Attribute 6 6 00000002 02:23:41: Attribute 7 6 00000001 02:23:41: Attribute 26 32 00000009011A6C63 02:23:41: RADIUS: saved authorization data for user 16E284 at A1B44 02:23:41: AAA/AUTHEN (2883652190): status = PASS 02:23:41: AAA/AUTHOR/LCP As1: Authorize LCP 02:23:41: AAA/AUTHOR/LCP As1 (3660077691): Port='Async1' list='' service=NET 02:23:41: AAA/AUTHOR/LCP: As1 (3660077691) user='userspec' 02:23:41: AAA/AUTHOR/LCP: As1 (3660077691) send AV service=ppp 02:23:41: AAA/AUTHOR/LCP: As1 (3660077691) send AV protocol=lcp 02:23:41: AAA/AUTHOR/LCP (3660077691) found list "default" 02:23:41: AAA/AUTHOR/LCP: As1 (3660077691) Method=RADIUS 02:23:41: RADIUS: cisco AVPair "lcp:callback-dialstring=" 02:23:41: AAA/AUTHOR (3660077691): Post authorization status = PASS\_REPL 02:23:41: AAA/AUTHOR/LCP As1: Processing AV service=ppp 02:23:41: AAA/AUTHOR/LCP As1: Processing AV callback-dialstring= 02:23:41: As1 PAP: O AUTH-ACK id 65 len 5 02:23:41: As1 PPP: Phase is UP 02:23:41: AAA/AUTHOR/FSM As1: (0): Can we start IPCP? 02:23:41: AAA/AUTHOR/FSM As1 (2418882911): Port='Async1' list='' service=NET 02:23:41: AAA/AUTHOR/FSM: As1 (2418882911) user='userspec' 02:23:41: AAA/AUTHOR/FSM: As1 (2418882911) send AV service=ppp 02:23:41: AAA/AUTHOR/FSM: As1 (2418882911) send AV protocol=ip 02:23:41: AAA/AUTHOR/FSM (2418882911) found list "default" 02:23:41: AAA/AUTHOR/FSM: As1 (2418882911) Method=RADIUS 02:23:41: RADIUS: cisco AVPair "lcp:callback-dialstring=" not applied for ip 02:23:41: AAA/AUTHOR (2418882911): Post authorization status = PASS\_REPL 02:23:41: AAA/AUTHOR/FSM As1: We can start IPCP 02:23:41: As1 IPCP: O CONFREQ [Closed] id 12 len 10 02:23:41: As1 IPCP: Address 10.31.1.5 (0x03060A1F0105) 02:23:41: As1 IPCP: I CONFREQ [REQsent] id 3 len 40 02:23:41: As1 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01) 02:23:41: As1 IPCP: Address 0.0.0.0 (0x030600000000) 02:23:41: As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000) 02:23:41: As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000) 02:23:41: As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000) 02:23:41: As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000) 02:23:41: AAA/AUTHOR/IPCP As1: Start. Her address 0.0.0.0, we want 0.0.0.0 02:23:41: AAA/AUTHOR/IPCP As1: Processing AV service=ppp 02:23:41: AAA/AUTHOR/IPCP As1: Authorization succeeded 02:23:41: AAA/AUTHOR/IPCP As1: Done. Her address 0.0.0.0, we want 0.0.0.0 02:23:41: As1 IPCP: Using pool 'async' 02:23:41: As1 IPCP: Pool returned 15.15.15.15 02:23:41: As1 IPCP: O CONFREQ [REQsent] id 3 len 28 02:23:41: As1 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01) 02:23:41: As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000) 02:23:41: As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000) 02:23:41: As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000) 02:23:41: As1 IPCP: I CONFACK [REQsent] id 12 len 10 02:23:41: As1 IPCP: Address 10.31.1.5 (0x03060A1F0105) 02:23:41: As1 IPCP: I CONFREQ [ACKrcvd] id 4 len 16 02:23:41: As1 IPCP: Address 0.0.0.0 (0x030600000000) 02:23:41: As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000) 02:23:41: AAA/AUTHOR/IPCP As1: Start. Her address 0.0.0.0, we want 15.15.15.15 02:23:41: AAA/AUTHOR/IPCP As1: Processing AV service=ppp 02:23:41: AAA/AUTHOR/IPCP As1: Authorization succeeded 02:23:41: AAA/AUTHOR/IPCP As1: Done. Her address 0.0.0.0, we want 15.15.15.15 02:23:41: As1 IPCP: O CONFNAK [ACKrcvd] id 4 len 16 02:23:41: As1 IPCP: Address 15.15.15.15 (0x03060F0F0F0F) 02:23:41: As1 IPCP: PrimaryDNS 171.68.118.103 (0x8106AB447667) 02:23:41: As1 IPCP: I CONFREQ [ACKrcvd] id 5 len 16 02:23:41: As1 IPCP: Address 15.15.15.15 (0x03060F0F0F0F) 02:23:41: As1 IPCP: PrimaryDNS 171.68.118.103 (0x8106AB447667) 02:23:41: AAA/AUTHOR/IPCP As1: Start. Her address 15.15.15.15, we want 15.15.15.15 02:23:41: AAA/AUTHOR/IPCP As1 (2792483333): Port='Async1' list='' service=NET 02:23:41: AAA/AUTHOR/IPCP: As1 (2792483333) user='userspec' 02:23:41: AAA/AUTHOR/IPCP: As1 (2792483333) send AV service=ppp 02:23:41: AAA/AUTHOR/IPCP: As1 (2792483333) send AV protocol=ip 02:23:41: AAA/AUTHOR/IPCP: As1 (2792483333) send AV addr\*15.15.15.15 02:23:41: AAA/AUTHOR/IPCP (2792483333) found list "default" 02:23:41: AAA/AUTHOR/IPCP: As1 (2792483333) Method=RADIUS 02:23:41: RADIUS: cisco AVPair "lcp:callback-dialstring=" not applied for ip 02:23:41: AAA/AUTHOR (2792483333): Post authorization status = PASS\_REPL 02:23:41: AAA/AUTHOR/IPCP As1: Reject 15.15.15.15, using 15.15.15.15 02:23:41: AAA/AUTHOR/IPCP As1: Processing AV service=ppp 02:23:41: AAA/AUTHOR/IPCP As1: Processing AV addr\*15.15.15.15 02:23:41: AAA/AUTHOR/IPCP As1: Authorization succeeded 02:23:41: AAA/AUTHOR/IPCP As1: Done. Her address 15.15.15.15, we want 15.15.15.15 02:23:41: As1 IPCP: O CONFACK [ACKrcvd] id 5 len 16 02:23:41: As1 IPCP: Address 15.15.15.15 (0x03060F0F0F0F)

02:23:41: As1 IPCP: PrimaryDNS 171.68.118.103 (0x8106AB447667) 02:23:41: As1 IPCP: State is Open  
02:23:41: dialer Protocol up for As1 02:23:41: As1 IPCP: Install route to 15.15.15.15 02:23:42:  
%LINEPROTO-5-UPDOWN: Line protocol on Interface Async1, changed state to up

## Información Relacionada

- [Página de soporte de RADIUS](#)
- [Página de soporte de Cisco Secure ACS para Windows](#)
- [Página de soporte de Cisco Secure ACS para Windows](#)
- [Solicitudes de Comentarios \(RFC\)](#)
- [Soporte Técnico y Documentación - Cisco Systems](#)