

Configurar el Basic AAA RADIUS para los clientes dial in

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[Introducción](#)

Este documento describe una configuración de muestra usando un servidor de acceso para validar el análogo y las conexiones ISDN entrantes, y las autentica usando un servidor del Remote Authentication Dial-In User Service (RADIUS) del Authentication, Authorization, and Accounting (AAA). Para más información sobre el AAA y el RADIUS, refiera a los documentos siguientes:

- [Configurar el RADIUS](#)
- [Configuración de AAA básico en un servidor de acceso](#)

[prerrequisitos](#)

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Esta configuración asume que configuran al servidor de RADIUS correctamente. Esta configuración también trabaja con la mayoría de los servidores de RADIUS disponibles en el comercio. Refiera a su documentación del servidor de RADIUS para más información sobre la Configuración del servidor apropiada.

[Componentes Utilizados](#)

La información que contiene este documento se basa en las versiones de software y hardware indicadas a continuación.

- Cisco AS5300 con un T1 PRI y 48 módems digitales. Está funcionando con el Software Release 12.0(7)T de Cisco IOS®.
- CiscoSecure para el servidor de Unix (CSU), versión 2.3(3).

La configuración específica AAA descrita aquí se puede también utilizar con cualquier escenario de marcado simple. Asegúrese de que el servidor de acceso pueda validar las llamadas entrantes, después agregan los comandos aaa apropiados, tal y como se muestra en de la configuración abajo.

La información que se presenta en este documento se originó a partir de dispositivos dentro de un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si la red está funcionando, asegúrese de haber comprendido el impacto que puede tener un comando antes de ejecutarlo.

Convenciones

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

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.

Configuraciones

El CSU y la configuración del CiscoSecure NT (CSNT), y configuración del servidor de acceso a la red (NAS) se proporcionan abajo. Puesto que esta configuración representa un simple escenario de marcación, la configuración de CiscoSecure para el ISDN y los usuarios asincrónicos son idénticos. La configuración de cliente ISDN no se incluye pues no es relevante para esta configuración de RADIUS.

```
CSU
#./ViewProfile -p 9900 -u async_client User Profile
Information user = async_client{ profile_id = 110
profile_cycle = 2 radius=Cisco { check_items= { 2=cisco
!--- Password(2) is "cisco" } reply_attributes= { 6=2 !-
-- Service-Type(6) is Framed (2) 7=1 !--- Frame d-
Protocol(7) is PPP (1) } } } # ./ViewProfile -p 9900 -u
isdn_user User Profile Information user = isdn_user{
profile_id = 24 profile_cycle = 4 radius=Cisco {
```

```
check_items= { 2=cisco ! --- Password(2) is "cisco" }
reply_attributes= { 6=2 ! --- Service-Type(6) is Framed
(2) 7=1 ! --- Framed-Protocol(7) is PPP (1) } } }
```

Nota: Para este simple escenario, las configuraciones del async y los usuarios ISDN son idénticos.

CSNT RADIUS

Para configurar el CiscoSecure NT (CSNT) RADIUS:

1. Cree a los usuarios nuevos nombrados isdn_user y async_client.
2. Configure la contraseña apropiada en la sección de configuración de usuario
3. En la sección para los atributos de RADIUS de la Fuerza de tareas de ingeniería en Internet (IETF) (IETF), seleccione los elementos siguientes del menú desplegable: **Tipo de servicio (atributo 6) = Framed** y **Protocolo Entramado (atributo 7)=PPP****Nota:** Usted debe hacer clic el checkbox situado al lado de los atributos tipo de servicio y Protocolo Entramado.**Nota:** Para este simple escenario, las configuraciones del async y los usuarios ISDN son idénticos.

maui-nas-01

```
maui-nas-01#show running-config Building
configuration... Current configuration: ! version 12.0
service timestamps debug datetime msec service
timestamps log datetime msec service password-encryption
! hostname maui-nas-01 ! aaa new-model !--- Initiates
the AAA access control system. !--- This command
immediately locks down login and PPP authentication. aaa
authentication login default group radius local !---
Exec login (for the list default) is authenticated using
methods !--- radius then local. The router uses RADIUS
for authentication at the !--- login(exec) prompt. If
RADIUS returns an error, the user is authenticated !---
using the local database. aaa authentication login
NO_AUTHEN none !--- Exec login (for the list NO_AUTHEN)
has authentication method none !--- (no authentication).
Interfaces to which this list is applied will not have
!--- authentication enabled. Refer to the console port
(line con 0) configuration. aaa authentication ppp
default if-needed group radius local !--- PPP
authentication (for the list default) uses methods
radius then local. !--- The if-needed keyword
automatically permits ppp for users that have !---
successfully authenticated using exec mode. If the EXEC
facility has !--- authenticated the user, RADIUS
authentication for PPP is not performed. !---This is
necessary for clients that use terminal window after
dial. aaa authorization network default group radius
local !--- Authorization of network services (PPP
services) for the list default !--- uses methods radius
then local. This is necessary if you use RADIUS !---
for the client IP address, Access List assignment and so
on. enable secret 5 <deleted> ! username admin password
7 <deleted> !--- This username allows for access to the
router in situations where !--- connectivity to the
RADIUS server is lost. This is because the AAA !---
configuration for exec login has the alternate method
local. spe 2/0 2/7 firmware location
system:/ucode/mica_port_firmware ! resource-pool disable
! ip subnet-zero no ip finger ! isdn switch-type
```

```
primary-ni !--- Switch type is Primary NI-2. isdn voice-
call-failure 0 mta receive maximum-recipients 0 ! !
controller T1 0 !--- T1 0 controller configuration.
framing esf clock source line primary linecode b8zs pri-
group timeslots 1-24 ! controller T1 1 !--- T1 1 is
unused. clock source line secondary 1 ! controller T1 2
!--- T1 1 is unused. ! controller T1 3 !--- T1 1 is
unused. ! interface Ethernet0 ip address 172.22.53.141
255.255.255.0 no ip directed-broadcast ! interface
Serial0:23 !--- D-channel configuration for T1 0. no ip
address no ip directed-broadcast encapsulation ppp
dialer pool-member 23 !--- Assign Serial0:23 as member
of dialer pool 23. !--- Dialer pool 23 is specified in
interface Dialer 1. !--- Interface Dialer 1 will
terminate the ISDN calls. isdn switch-type primary-ni
isdn incoming-voice modem !--- Switch incoming analog
calls to the internal digital modems. no cdp enable !
interface FastEthernet0 no ip address no ip directed-
broadcast shutdown duplex auto speed auto ! interface
Group-Async0 !--- Async Group Interface for the modems.
ip unnumbered Ethernet0 !--- Unnumbered to the ethernet
interface. no ip directed-broadcast encapsulation ppp
async mode interactive !--- Configures interactive mode
on the asynchronous interfaces. !--- This allows users
to dial in and get to a shell or PPP session on !---
that line. If you want incoming users to only connect
using PPP configure !--- async mode dedicated instead.
peer default ip address pool ASYNC !--- Use the ip pool
named "ASYNC" to assign ip address for !--- incoming
connections. ppp authentication chap group-range 1 48 !-
-- Lines(modems) 1 through 48 are in this group async
interface. ! interface Dialer1 !--- Dialer1 will
terminate ISDN calls. ip unnumbered Ethernet0 no ip
directed-broadcast encapsulation ppp dialer pool 23 !---
Dialer 1 uses dialer pool 23. Interface Serial0:23 is !-
-- a member of this pool. peer default ip address pool
ISDN !--- Use the ip pool named "ISDN" to assign ip
address for !--- incoming connections. no cdp enable ppp
authentication chap ! ip local pool ISDN 172.22.53.142
172.22.53.145 !--- IP address pool named "ISDN". !---
This pool will be assigned to connections on interface
Dialer 1. ip local pool ASYNC 172.22.53.146
172.22.53.149 !--- IP address pool named "ASYNC". !---
This pool will be assigned to incoming connections on
Group-Async 0. !--- Note: This address pool only has 4
addresses and is not sufficient to !--- support all 48
modem lines. Configure your IP pool with the address
range !--- to support all connections. ip classless no
ip http server ! no cdp run ! radius-server host
172.22.53.201 auth-port 1645 acct-port 1646 key cisco !-
-- Radius-server host IP address and encryption key. !-
- The encryption key must match the onbe configured on
the RADIUS server. ! line con 0 exec-timeout 0 0 login
authentication NO_AUTHEN !--- Specifies that the AAA
list name assigned to the console is !--- NO_AUTHEN.
From the AAA configuration above, the list NO_AUTHEN !-
- does not use authentication. transport input none line
1 48 autoselect during-login !--- Displays the
username:password prompt after modems connect. !---
Without this the user must press enter to receive a
prompt. autoselect ppp !--- When the NAS detects
incoming PPP packets, the PPP session !--- will be
launched. modem InOut transport preferred none transport
input all transport output none line aux 0 line vty 0 4
```

```
! end
```

Verificación

Esta sección proporciona la información que usted puede utilizar para verificar su configuración.

Salida de presentación de ejemplo

```
maui-nas-01#show caller user async_client detail User: async_client, line tty 5, service Async
Active time 00:01:04, Idle time 00:00:22 Timeouts: Absolute Idle Idle Session Exec Limits: - -
00:10:00 Disconnect in: - - - TTY: Line 5, running PPP on As5 Location: PPP: 172.22.53.148 !---
The IP address assigned from the the IP pool. DS0: (slot/unit/channel)=0/0/7 Line: Baud rate
(TX/RX) is 115200/115200, no parity, 1 stopbits, 8 databits Status: Ready, Active, No Exit
Banner, Async Interface Active HW PPP Support Active Capabilities: Hardware Flowcontrol In,
Hardware Flowcontrol Out Modem Callout, Modem RI is CD, Line usable as async interface,
Integrated Modem Modem State: Ready User: async_client, line As5, service PPP Active time
00:00:54, Idle time 00:00:23 Timeouts: Absolute Idle Limits: - - Disconnect in: - - PPP: LCP
Open, CHAP (<- AAA), IPCP !--- CHAP authentication was performed by AAA. LCP: -> peer, ACCM,
AuthProto, MagicNumber, PCompression, ACCompression <- peer, ACCM, MagicNumber, PCompression,
ACCompression NCP: Open IPCP IPCP: <- peer, Address -> peer, Address IP: Local 172.22.53.141,
remote 172.22.53.148 Counts: 40 packets input, 2769 bytes, 0 no buffer 1 input errors, 1 CRC, 0
frame, 0 overrun 24 packets output, 941 bytes, 0 underruns 0 output errors, 0 collisions, 0
interface resets maui-nas-01#show caller user isdn_user detail User: isdn_user, line Se0:8,
service PPP Active time 00:01:22, Idle time 00:01:24 Timeouts: Absolute Idle Limits: - 00:02:00
Disconnect in: - 00:00:35 PPP: LCP Open, CHAP (<- AAA), IPCP !--- CHAP authentication was
performed by AAA. LCP: -> peer, AuthProto, MagicNumber <- peer, MagicNumber NCP: Open IPCP IPCP:
<- peer, Address -> peer, Address Dialer: Connected to , inbound Idle timer 120 secs, idle 84
secs Type is ISDN, group Dialer1 ! -- The ISDN Call uses int Dialer1. IP: Local 172.22.53.141,
remote 172.22.53.142 ! -- The IP address was obtained from the local pool. Counts: 31 packets
input, 872 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 34 packets output, 1018
bytes, 0 underruns 0 output errors, 0 collisions, 5 interface resets
```

Troubleshooting

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

Comandos para resolución de problemas

La herramienta [Output Interpreter](#) (sólo para clientes [registrados](#)) permite utilizar algunos comandos "show" y ver un análisis del resultado de estos comandos.

Nota: Antes de ejecutar un comando debug, consulte [Información Importante sobre Comandos Debug](#).

- debug isdn q931 - Muestra la configuración de la llamada y cierra la conexión de red ISDN (Capa 3) entre el router y el switch ISDN.
- **módem del debug** - Esto muestra la actividad de línea del módem en un servidor de acceso.
- **negociación ppp del debug** - Al mostrar información en el tráfico y los intercambios PPP mientras que negocia el (LCP), la autenticación, y el protocolo network control del Link Control Protocol (NCP). Una negociación PPP exitosa abre primero el estado LCP, luego realiza la autenticación y por último negocia el NCP.
- debug ppp authentication - Permite mostrar los mensajes del protocolo de autenticación PPP, entre ellos el intercambio de paquetes del Protocolo de confirmación de aceptación de la

- autenticación (CHAP) y los intercambios de protocolo de autenticación de contraseña (PAP).
- **autenticación aaa del debug** - Al mostrar información en la autenticación AAA/RADIUS.
- **debug aaa authorization** - Al mostrar información en la autorización AAA/RADIUS.
- **radio del debug** - Para visualizar la información de debugging detallada asociada al RADIUS. Utilice la [herramienta Output Interpreter \(clientes registrados solamente\)](#) en el sitio web del Soporte técnico de Cisco para decodificar los mensajes de RADIUS del debug. Por un ejemplo, refiera a la salida de los debugs mostrada abajo. Utilice la información del radio del debug para determinar se negocian qué atributos. Nota: A partir de 12.2(11)T que la salida del radio del debug está decodificada ya y por lo tanto que no requiere el uso del Output Interpreter de decodificar la salida. Refiera a las [mejoras del debug del](#) documento [RADIUS](#) para más información
- **caller user de la demostración** - Para mostrar los parámetros para el usuario determinado tal como la línea TTY usada, interfaz asincrónica (estante, slot o puerto), número de canal del DS0, número del módem, dirección IP asignada, parámetros de agrupamiento PPP y PPP, y así sucesivamente. Si su versión del software del IOS de Cisco no es compatible con este comando, utilice el comando show user.

[Ejemplo de resultado del comando debug](#)

Si usted tiene la salida de un **comando debug radius** de su dispositivo de Cisco, usted puede utilizar para visualizar los problemas potenciales y los arreglos. Para utilizar , usted debe ser un [cliente registrado](#), se abra una sesión, y hace el Javascript habilitar.

[Para usar Output Interpreter, debe estar registrado como cliente, conectado y debe tener permiso para JavaScript.](#)

Nota: A partir de 12.2(11)T que la salida del radio del debug está decodificada ya y por lo tanto que no requiere el uso del Output Interpreter de decodificar la salida. Refiera a las [mejoras del debug del](#) documento [RADIUS](#) para más información

```
maui-nas-01#debug isdn q931 ISDN Q931 packets debugging is on maui-nas-01#debug ppp negotiation
PPP protocol negotiation debugging is on maui-nas-01#debug ppp authentication PPP authentication
debugging is on maui-nas-01#debug modem Modem control/process activation debugging is on maui-
nas-01#debug aaa authentication AAA Authentication debugging is on maui-nas-01#debug aaa
authorization AAA Authorization debugging is on maui-nas-01#debug radius RADIUS protocol
debugging is on maui-nas-01#
*Apr 5 11:05:07.031: ISDN Se0:23: RX <- SETUP pd = 8 callref =
0x20FC !--- Setup message for incoming call. *Apr 5 11:05:07.031: Bearer Capability i =
0x8890218F *Apr 5 11:05:07.031: Channel ID i = 0xA18387 *Apr 5 11:05:07.031: Called Party Number
i = 0xA1, '81560' *Apr 5 11:05:07.035: %DIALER-6-BIND: Interface Serial0:6 bound to profile
Dialer1 *Apr 5 11:05:07.035: ISDN Se0:23: TX -> CALL_PROC pd = 8 callref = 0xA0FC *Apr 5
11:05:07.035: Channel ID i = 0xA98387 *Apr 5 11:05:07.043: %LINK-3-UPDOWN: Interface Serial0:6,
changed state to up *Apr 5 11:05:07.043: Se0:6 PPP: Treating connection as a callin *Apr 5
11:05:07.043: Se0:6 PPP: Phase is ESTABLISHING, Passive Open *Apr 5 11:05:07.043: Se0:6 LCP:
State is Listen *Apr 5 11:05:07.047: ISDN Se0:23: TX -> CONNECT pd = 8 callref = 0xA0FC *Apr 5
11:05:07.047: Channel ID i = 0xA98387 *Apr 5 11:05:07.079: ISDN Se0:23: RX <- CONNECT_ACK pd = 8
callref = 0x20FC *Apr 5 11:05:07.079: ISDN Se0:23: CALL_PROGRESS: CALL_CONNECTED call id 0x2D,
bchan -1, dsl 0 *Apr 5 11:05:07.499: Se0:6 LCP: I CONFREQ [Listen] id 28 len 10 *Apr 5
11:05:07.499: Se0:6 LCP: MagicNumber 0x5078A51F (0x05065078A51F) *Apr 5 11:05:07.499: Se0:6
AAA/AUTHOR/FSM: (0): LCP succeeds trivially *Apr 5 11:05:07.499: Se0:6 LCP: O CONFREQ [Listen]
id 2 len 15 *Apr 5 11:05:07.499: Se0:6 LCP: AuthProto CHAP (0x0305C22305) *Apr 5 11:05:07.499:
Se0:6 LCP: MagicNumber 0xE05213AA (0x0506E05213AA) *Apr 5 11:05:07.499: Se0:6 LCP: O CONFACK
[Listen] id 28 len 10 *Apr 5 11:05:07.499: Se0:6 LCP: MagicNumber 0x5078A51F (0x05065078A51F)
*Apr 5 11:05:07.555: Se0:6 LCP: I CONFACK [ACKsent] id 2 len 15 *Apr 5 11:05:07.555: Se0:6 LCP:
AuthProto CHAP (0x0305C22305) *Apr 5 11:05:07.555: Se0:6 LCP: MagicNumber 0xE05213AA
(0x0506E05213AA) *Apr 5 11:05:07.555: Se0:6 LCP: State is Open *Apr 5 11:05:07.555: Se0:6 PPP:
```

```

Phase is AUTHENTICATING, by this end *Apr 5 11:05:07.555: Se0:6 CHAP: O CHALLENGE id 2 len 32
from "maui-nas-01" *Apr 5 11:05:07.631: Se0:6 CHAP: I RESPONSE id 2 len 30 from "isdn_user" !---
Incoming CHAP response from "isdn_user". *Apr 5 11:05:07.631: AAA: parse name=Serial0:6 idb
type=12 tty=-1 *Apr 5 11:05:07.631: AAA: name=Serial0:6 flags=0x51 type=1 shelf=0 slot=0
adapter=0 port=0 channel=6 *Apr 5 11:05:07.631: AAA: parse name= idb type=-1 tty=-1 *Apr 5
11:05:07.631: AAA/MEMORY: create_user (0x619CEE28) user='isdn_user' ruser='' port='Serial0:6'
rem_addr='isdn/81560' authen_type=CHAP service=PPP priv=1 *Apr 5 11:05:07.631: AAA/AUTHEN/START
(2973699846): port='Serial0:6' list='' action=LOGIN service=PPP *Apr 5 11:05:07.631:
AAA/AUTHEN/START (2973699846): using "default" list *Apr 5 11:05:07.631: AAA/AUTHEN
(2973699846): status = UNKNOWN *Apr 5 11:05:07.631: AAA/AUTHEN/START (2973699846): Method=radius
(radius) !--- AAA authentication method is RADIUS. *Apr 5 11:05:07.631: RADIUS: ustruct
sharecount=1 *Apr 5 11:05:07.631: RADIUS: Initial Transmit Serial0:6 id 13 172.22.53.201:1645,
Access-Request, len 87 !--- Access-Request from the NAS to the AAA server. !--- Note the IP
address in the Access-Request matches the IP address !--- configured using the command: !---
radius-server host 172.22.53.201 key cisco *Apr 5 11:05:07.631: Attribute 4 6 AC16358D *Apr 5
11:05:07.631: Attribute 5 6 00004E26 *Apr 5 11:05:07.631: Attribute 61 6 00000002 *Apr 5
11:05:07.631: Attribute 1 11 6973646E *Apr 5 11:05:07.631: Attribute 30 7 38313536 *Apr 5
11:05:07.631: Attribute 3 19 0297959E *Apr 5 11:05:07.631: Attribute 6 6 00000002 *Apr 5
11:05:07.631: Attribute 7 6 00000001 *Apr 5 11:05:07.635: RADIUS: Received from id 13
172.22.53.201:1645, Access-Accept, len 32 *Apr 5 11:05:07.635: Attribute 6 6 00000002 *Apr 5
11:05:07.635: Attribute 7 6 00000001

```

Los pares de valores de atributos (AVP) de la necesidad del **comando debug radius** de ser decodificado para entender mejor la transacción entre el NAS y el servidor de RADIUS.

Nota: A partir de 12.2(11)T que la salida del radio del debug está decodificada ya y por lo tanto que no requiere el uso del Output Interpreter de decodificar la salida. Refiera a las [mejoras del debug del](#) documento [RADIUS](#) para más información.

La herramienta del Output Interpreter permite que usted reciba un análisis de la salida del **radio del debug**.

El producto siguiente en los *itálicos* es el resultado obtenido de la herramienta del Output Interpreter:

```

Access-Request 172.22.53.201:1645 id 13
Attribute Type 4:  NAS-IP-Address is 172.22.53.141
Attribute Type 5:  NAS-Port is 20006
Attribute Type 61: NAS-Port-Type is ISDN-Synchronous
Attribute Type 1:  User-Name is isdn
Attribute Type 30: Called-Station-ID(DNIS) is 8156
Attribute Type 3:  CHAP-Password is (encoded)
Attribute Type 6:  Service-Type is Framed
Attribute Type 7:  Framed-Protocol is PPP
Access-Accept 172.22.53.201:1645 id 13
Attribute Type 6:  Service-Type is Framed
Attribute Type 7:  Framed-Protocol is PPP

```

De la salida de los debugs decodificada por la herramienta, verifique ese **tipo 6 del atributo: El tipo de servicio capítulo** y el **tipo 7 del atributo: El Protocolo Entramado** es PPP. Si usted observa que los atributos 6 o 7 no están como se muestra, corrija el perfil del usuario en el servidor de RADIUS (refiera a la [sección de configuración](#)). También note que el **radio del debug** muestra un **access-accept**, que indica que el servidor de RADIUS autenticó con éxito al usuario. Si la salida muestra un **Access-Reject**, después no autenticaron al usuario y usted debe marcar la configuración del nombre de usuario y contraseña en el servidor de RADIUS. Otro atributo a verificar es el **tipo 4 del atributo: Nas-ip-address**. Verifique que el valor visualizado por la herramienta del Output Interpreter haga juego la dirección IP NAS configurada en el servidor de RADIUS.

Nota: Debido a las restricciones de Cisco IOS y a las diferencias en la salida de los debugs con

diversas versiones, algunos atributos pueden ser truncados (por ejemplo, **username**, **Llamar-estación-ID(DNIS)**).

```
*Apr 5 11:05:07.635: AAA/AUTHEN (2973699846): status = PASS
!--- Authentication is successful *Apr 5 11:05:07.635: Se0:6 AAA/AUTHOR/LCP: Authorize LCP *Apr
5 11:05:07.635: Se0:6 AAA/AUTHOR/LCP (2783657211): Port='Serial0:6' list='' service=NET *Apr 5
11:05:07.635: AAA/AUTHOR/LCP: Se0:6 (2783657211) user='isdn_user' *Apr 5 11:05:07.635: Se0:6
AAA/AUTHOR/LCP (2783657211): send AV service=ppp *Apr 5 11:05:07.635: Se0:6 AAA/AUTHOR/LCP
(2783657211): send AV protocol=lcp *Apr 5 11:05:07.635: Se0:6 AAA/AUTHOR/LCP (2783657211): found
list "default" *Apr 5 11:05:07.635: Se0:6 AAA/AUTHOR/LCP (2783657211): Method=radius (radius)
*Apr 5 11:05:07.635: Se0:6 AAA/AUTHOR (2783657211): Post authorization status = PASS_REPL *Apr 5
11:05:07.639: Se0:6 AAA/AUTHOR/LCP: Processing AV service=ppp *Apr 5 11:05:07.639: Se0:6 CHAP: 0
SUCCESS id 2 len 4 *Apr 5 11:05:07.639: Se0:6 PPP: Phase is UP *Apr 5 11:05:07.639: Se0:6
AAA/AUTHOR/FSM: (0): Can we start IPCP? *Apr 5 11:05:07.639: Se0:6 AAA/AUTHOR/FSM (3184893369):
Port='Serial0:6' list='' service=NET *Apr 5 11:05:07.639: AAA/AUTHOR/FSM: Se0:6 (3184893369)
user='isdn_user' *Apr 5 11:05:07.639: Se0:6 AAA/AUTHOR/FSM (3184893369): send AV service=ppp
*Apr 5 11:05:07.639: Se0:6 AAA/AUTHOR/FSM (3184893369): send AV protocol=ip *Apr 5 11:05:07.639:
Se0:6 AAA/AUTHOR/FSM (3184893369): found list "default" *Apr 5 11:05:07.639: Se0:6
AAA/AUTHOR/FSM (3184893369): Method=radius (radius) *Apr 5 11:05:07.639: Se0:6 AAA/AUTHOR
(3184893369): Post authorization status = PASS_REPL *Apr 5 11:05:07.639: Se0:6 AAA/AUTHOR/FSM:
We can start IPCP *Apr 5 11:05:07.639: Se0:6 IPCP: 0 CONFREQ [Not negotiated] id 2 len 10 *Apr 5
11:05:07.639: Se0:6 IPCP: Address 172.22.53.141 (0x0306AC16358D) *Apr 5 11:05:07.675: Se0:6
IPCP: I CONFREQ [REQsent] id 13 len 10 *Apr 5 11:05:07.675: Se0:6 IPCP: Address 0.0.0.0
(0x030600000000) *Apr 5 11:05:07.675: Se0:6 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want
0.0.0.0 *Apr 5 11:05:07.675: Se0:6 AAA/AUTHOR/IPCP: Processing AV service=ppp *Apr 5
11:05:07.675: Se0:6 AAA/AUTHOR/IPCP: Authorization succeeded *Apr 5 11:05:07.675: Se0:6
AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0 *Apr 5 11:05:07.675: Se0:6 IPCP:
Pool returned 172.22.53.142 !--- IP address for the peer obtained from the pool *Apr 5
11:05:07.675: Se0:6 IPCP: 0 CONFNAK [REQsent] id 13 len 10 *Apr 5 11:05:07.675: Se0:6 IPCP:
Address 172.22.53.142 (0x0306AC16358E) *Apr 5 11:05:07.699: Se0:6 IPCP: I CONFACK [REQsent] id 2
len 10 *Apr 5 11:05:07.699: Se0:6 IPCP: Address 172.22.53.141 (0x0306AC16358D) *Apr 5
11:05:07.707: Se0:6 IPCP: I CONFREQ [ACKrcvd] id 14 len 10 *Apr 5 11:05:07.707: Se0:6 IPCP:
Address 172.22.53.142 (0x0306AC16358E) *Apr 5 11:05:07.707: Se0:6 AAA/AUTHOR/IPCP: Start. Her
address 172.22.53.142, we want 172.22.53.142 *Apr 5 11:05:07.707: Se0:6 AAA/AUTHOR/IPCP
(3828612481): Port='Serial0:6' list='' service=NET *Apr 5 11:05:07.707: AAA/AUTHOR/IPCP: Se0:6
(3828612481) user='isdn_user' *Apr 5 11:05:07.707: Se0:6 AAA/AUTHOR/IPCP (3828612481): send AV
service=ppp *Apr 5 11:05:07.707: Se0:6 AAA/AUTHOR/IPCP (3828612481): send AV protocol=ip *Apr 5
11:05:07.707: Se0:6 AAA/AUTHOR/IPCP (3828612481): send AV addr*172.22.53.142 *Apr 5
11:05:07.707: Se0:6 AAA/AUTHOR/IPCP (3828612481): found list "default" *Apr 5 11:05:07.707:
Se0:6 AAA/AUTHOR/IPCP (3828612481): Method=radius (radius) *Apr 5 11:05:07.707: Se0:6 AAA/AUTHOR
(3828612481): Post authorization status = PASS_REPL *Apr 5 11:05:07.707: Se0:6 AAA/AUTHOR/IPCP:
Reject 172.22.53.142, using 172.22.53.142 *Apr 5 11:05:07.707: Se0:6 AAA/AUTHOR/IPCP: Processing
AV service=ppp *Apr 5 11:05:07.707: Se0:6 AAA/AUTHOR/IPCP: Processing AV addr*172.22.53.142 *Apr
5 11:05:07.707: Se0:6 AAA/AUTHOR/IPCP: Authorization succeeded *Apr 5 11:05:07.707: Se0:6
AAA/AUTHOR/IPCP: Done. Her address 172.22.53.142, we want 172.22.53.142 *Apr 5 11:05:07.707:
Se0:6 IPCP: 0 CONFACK [ACKrcvd] id 14 len 10 *Apr 5 11:05:07.707: Se0:6 IPCP: Address
172.22.53.142 (0x0306AC16358E) *Apr 5 11:05:07.707: Se0:6 IPCP: State is Open *Apr 5
11:05:07.711: Dial IPCP: Install route to 172.22.53.142 !--- IPCP state is open. A route to the
remote peer is installed *Apr 5 11:05:08.639: %LINEPROTO-5-UPDOWN: Line protocol on Interface
Serial0:6, changed state to up *Apr 5 11:05:13.043: %ISDN-6-CONNECT: Interface Serial0:6 is now
connected to isdn_user maui-nas-01#
```

Esto completa la negociación para el cliente ISDN. La salida mostrada abajo muestra a negociación para una llamada asincrónica (por ejemplo, un cliente de Windows)

```
maui-nas-01#
*Apr 5 11:05:53.527: ISDN Se0:23: RX <- SETUP pd = 8 callref = 0x21c5 !--- Incoming Setup
message for Async Call. *Apr 5 11:05:53.527: Bearer Capability i = 0x9090A2 *Apr 5 11:05:53.527:
Channel ID i = 0xA18388 *Apr 5 11:05:53.527: Progress Ind i = 0x8183 - Origination address is
non-ISDN *Apr 5 11:05:53.527: Called Party Number i = 0xA1, '81560' *Apr 5 11:05:53.531: ISDN
Se0:23: TX -> CALL_PROC pd = 8 callref = 0xA1c5 *Apr 5 11:05:53.531: Channel ID i = 0xA98388
*Apr 5 11:05:53.531: ISDN Se0:23: TX -> ALERTING pd = 8 callref = 0xA1c5 *Apr 5 11:05:53.667:
ISDN Se0:23: TX -> CONNECT pd = 8 callref = 0xA1c5 *Apr 5 11:05:53.683: ISDN Se0:23: RX <-
```


CONNECT_ACK pd = 8 callref = 0x21C5 *Apr 5 11:05:53.687: ISDN Se0:23: CALL_PROGRESS:
CALL_CONNECTED call id 0x2E, bchan -1, dsl 0 *Apr 5 11:06:10.815: TTY5: DSR came up *Apr 5
11:06:10.815: tty5: Modem: IDLE->(unknown) *Apr 5 11:06:10.815: TTY5: EXEC creation *Apr 5
11:06:10.815: AAA: parse name=tty5 idb type=10 tty=5 *Apr 5 11:06:10.815: AAA: name=tty5
flags=0x11 type=4 shelf=0 slot=0 adapter=0 port=5 channel=0 *Apr 5 11:06:10.815: AAA: parse
name=Serial0:7 idb type=12 tty=-1 *Apr 5 11:06:10.815: AAA: name=Serial0:7 flags=0x51 type=1
shelf=0 slot=0 adapter=0 port=0 channel=7 *Apr 5 11:06:10.815: AAA/MEMORY: create_user
(0x614D4DBC) user='' ruser='' port='tty5' rem_addr='async/81560' authn_type=ASCII service=LOGIN
priv=1 *Apr 5 11:06:10.815: AAA/AUTHEN/START (2673527044): port='tty5' list='' action=LOGIN
service=LOGIN *Apr 5 11:06:10.815: AAA/AUTHEN/START (2673527044): using "default" list *Apr 5
11:06:10.815: AAA/AUTHEN/START (2673527044): Method=radius (radius) *Apr 5 11:06:10.815:
AAA/AUTHEN (2673527044): status = GETUSER *Apr 5 11:06:10.815: TTY5: set timer type 10, 30
seconds *Apr 5 11:06:13.475: TTY5: Autoselect(2) sample 7E *Apr 5 11:06:13.475: TTY5:
Autoselect(2) sample 7EFF *Apr 5 11:06:13.475: TTY5: Autoselect(2) sample 7EFF7D *Apr 5
11:06:13.475: TTY5: Autoselect(2) sample 7EFF7D23 *Apr 5 11:06:13.475: **TTY5 Autoselect cmd: ppp
negotiate !---** the router recongnizes the ppp packets and launches ppp. *Apr 5 11:06:13.475:
AAA/AUTHEN/ABORT: (2673527044) because Autoselected. *Apr 5 11:06:13.475: AAA/MEMORY: free_user
(0x614D4DBC) user='' ruser='' port='tty5' rem_addr='async/81560' authn_type=ASCII service=LOGIN
priv=1 *Apr 5 11:06:13.479: TTY5: EXEC creation *Apr 5 11:06:13.479: TTY5: create timer type 1,
600 seconds *Apr 5 11:06:13.607: TTY5: destroy timer type 1 (OK) *Apr 5 11:06:13.607: TTY5:
destroy timer type 0 *Apr 5 11:06:15.607: %LINK-3-UPDOWN: Interface Async5, changed state to up
*Apr 5 11:06:15.607: As5 PPP: Treating connection as a dedicated line *Apr 5 11:06:15.607: As5
PPP: Phase is ESTABLISHING, Active Open !--- PPP negotiation begins. *Apr 5 11:06:15.607: As5
AAA/AUTHOR/FSM: (0): LCP succeeds trivially *Apr 5 11:06:15.607: As5 LCP: O CONFREQ [Closed] id
1 len 25 *Apr 5 11:06:15.607: As5 LCP: ACCM 0x000A0000 (0x0206000A0000) *Apr 5 11:06:15.607: As5
LCP: AuthProto CHAP (0x0305C22305) *Apr 5 11:06:15.607: As5 LCP: MagicNumber 0xE0531DB8
(0x0506E0531DB8) *Apr 5 11:06:15.607: As5 LCP: PFC (0x0702) *Apr 5 11:06:15.607: As5 LCP: ACFC
(0x0802) *Apr 5 11:06:16.487: As5 LCP: I CONFREQ [REQsent] id 3 len 23 *Apr 5 11:06:16.487: As5
LCP: ACCM 0x000A0000 (0x0206000A0000) *Apr 5 11:06:16.487: As5 LCP: MagicNumber 0x65FFA5C7
(0x050665FFA5C7) *Apr 5 11:06:16.487: As5 LCP: PFC (0x0702) *Apr 5 11:06:16.487: As5 LCP: ACFC
(0x0802) *Apr 5 11:06:16.487: As5 LCP: Callback 6 (0x0D0306) *Apr 5 11:06:16.487: Unthrottle 5
*Apr 5 11:06:16.487: As5 LCP: O CONFREQ [REQsent] id 3 len 7 *Apr 5 11:06:16.487: As5 LCP:
Callback 6 (0x0D0306) *Apr 5 11:06:17.607: As5 LCP: TIMEOUT: State REQsent *Apr 5 11:06:17.607:
As5 LCP: O CONFREQ [REQsent] id 2 len 25 *Apr 5 11:06:17.607: As5 LCP: ACCM 0x000A0000
(0x0206000A0000) *Apr 5 11:06:17.607: As5 LCP: AuthProto CHAP (0x0305C22305) *Apr 5
11:06:17.607: As5 LCP: MagicNumber 0xE0531DB8 (0x0506E0531DB8) *Apr 5 11:06:17.607: As5 LCP: PFC
(0x0702) *Apr 5 11:06:17.607: As5 LCP: ACFC (0x0802) *Apr 5 11:06:17.735: As5 LCP: I CONFACK
[REQsent] id 2 len 25 *Apr 5 11:06:17.735: As5 LCP: ACCM 0x000A0000 (0x0206000A0000) *Apr 5
11:06:17.735: As5 LCP: AuthProto CHAP (0x0305C22305) *Apr 5 11:06:17.735: As5 LCP: MagicNumber
0xE0531DB8 (0x0506E0531DB8) *Apr 5 11:06:17.735: As5 LCP: PFC (0x0702) *Apr 5 11:06:17.735: As5
LCP: ACFC (0x0802) *Apr 5 11:06:19.479: As5 LCP: I CONFREQ [ACKrcvd] id 4 len 23 *Apr 5
11:06:19.479: As5 LCP: ACCM 0x000A0000 (0x0206000A0000) *Apr 5 11:06:19.479: As5 LCP:
MagicNumber 0x65FFA5C7 (0x050665FFA5C7) *Apr 5 11:06:19.479: As5 LCP: PFC (0x0702) *Apr 5
11:06:19.479: As5 LCP: ACFC (0x0802) *Apr 5 11:06:19.479: As5 LCP: Callback 6 (0x0D0306) *Apr 5
11:06:19.479: As5 LCP: O CONFREQ [ACKrcvd] id 4 len 7 *Apr 5 11:06:19.479: As5 LCP: Callback 6
(0x0D0306) *Apr 5 11:06:19.607: As5 LCP: TIMEOUT: State ACKrcvd *Apr 5 11:06:19.607: As5 LCP: O
CONFREQ [ACKrcvd] id 3 len 25 *Apr 5 11:06:19.607: As5 LCP: ACCM 0x000A0000 (0x0206000A0000)
*Apr 5 11:06:19.607: As5 LCP: AuthProto CHAP (0x0305C22305) *Apr 5 11:06:19.607: As5 LCP:
MagicNumber 0xE0531DB8 (0x0506E0531DB8) *Apr 5 11:06:19.607: As5 LCP: PFC (0x0702) *Apr 5
11:06:19.607: As5 LCP: ACFC (0x0802) *Apr 5 11:06:19.607: As5 LCP: I CONFREQ [REQsent] id 5 len
20 *Apr 5 11:06:19.607: As5 LCP: ACCM 0x000A0000 (0x0206000A0000) *Apr 5 11:06:19.607: As5 LCP:
MagicNumber 0x65FFA5C7 (0x050665FFA5C7) *Apr 5 11:06:19.607: As5 LCP: PFC (0x0702) *Apr 5
11:06:19.607: As5 LCP: ACFC (0x0802) *Apr 5 11:06:19.607: As5 LCP: O CONFACK [REQsent] id 5 len
20 *Apr 5 11:06:19.607: As5 LCP: ACCM 0x000A0000 (0x0206000A0000) *Apr 5 11:06:19.607: As5 LCP:
MagicNumber 0x65FFA5C7 (0x050665FFA5C7) *Apr 5 11:06:19.607: As5 LCP: PFC (0x0702) *Apr 5
11:06:19.607: As5 LCP: ACFC (0x0802) *Apr 5 11:06:19.719: As5 LCP: I CONFACK [ACKsent] id 3 len
25 *Apr 5 11:06:19.719: As5 LCP: ACCM 0x000A0000 (0x0206000A0000) *Apr 5 11:06:19.719: As5 LCP:
AuthProto CHAP (0x0305C22305) *Apr 5 11:06:19.719: As5 LCP: MagicNumber 0xE0531DB8
(0x0506E0531DB8) *Apr 5 11:06:19.719: As5 LCP: PFC (0x0702) *Apr 5 11:06:19.719: As5 LCP: ACFC
(0x0802) *Apr 5 11:06:19.719: As5 LCP: State is Open *Apr 5 11:06:19.719: As5 PPP: Phase is
AUTHENTICATING, by this end *Apr 5 11:06:19.719: As5 CHAP: O CHALLENGE id 1 len 32 from "maui-
nas-01" *Apr 5 11:06:19.863: As5 **CHAP: I RESPONSE id 1 len 33 from "async_client" !---** Incoming
CHAP response from "async_client". *Apr 5 11:06:19.863: AAA: parse name=Async5 idb type=10 tty=5
*Apr 5 11:06:19.863: AAA: name=Async5 flags=0x11 type=4 shelf=0 slot=0 adapter=0 port=5

```

channel=0 *Apr 5 11:06:19.863: AAA: parse name=Serial0:7 idb type=12 tty=-1 *Apr 5 11:06:19.863:
AAA: name=Serial0:7 flags=0x51 type=1 shelf=0 slot=0 adapter=0 port=0 channel=7 *Apr 5
11:06:19.863: AAA/MEMORY: create_user (0x6195AE40) user='async_client' ruser='' port='Async5'
rem_addr='async/81560' authen_type=CHAP service=PPP priv=1 *Apr 5 11:06:19.863: AAA/AUTHEN/START
(2673347869): port='Async5' list='' action=LOGIN service=PPP *Apr 5 11:06:19.863:
AAA/AUTHEN/START (2673347869): using "default" list *Apr 5 11:06:19.863: AAA/AUTHEN
(2673347869): status = UNKNOWN *Apr 5 11:06:19.863: AAA/AUTHEN/START (2673347869): Method=radius
(radius) *Apr 5 11:06:19.863: RADIUS: ustruct sharecount=1 *Apr 5 11:06:19.867: RADIUS: Initial
Transmit Async5 id 14 172.22.53.201:1645, Access-Request, len 90 *Apr 5 11:06:19.867: Attribute
4 6 AC16358D *Apr 5 11:06:19.867: Attribute 5 6 00000005 *Apr 5 11:06:19.867: Attribute 61 6
00000000 *Apr 5 11:06:19.867: Attribute 1 14 6173796E *Apr 5 11:06:19.867: Attribute 30 7
38313536 *Apr 5 11:06:19.867: Attribute 3 19 01B8292F *Apr 5 11:06:19.867: Attribute 6 6
00000002 *Apr 5 11:06:19.867: Attribute 7 6 00000001 *Apr 5 11:06:19.867: RADIUS: Received from
id 14 172.22.53.201:1645, Access-Accept, len 32 *Apr 5 11:06:19.867: Attribute 6 6 00000002 *Apr
5 11:06:19.871: Attribute 7 6 00000001

```

Los AVP del comando debug radius necesitan ser decodificados para entender mejor la transacción entre el NAS y el servidor de RADIUS.

Nota: A partir de 12.2(11)T que la salida del radio del debug está decodificada ya y por lo tanto que no requiere el uso del Output Interpreter de decodificar la salida. Refiera a las [mejoras del debug del documento RADIUS](#) para más información

La herramienta del Output Interpreter permite que usted reciba un análisis de la salida del radio del debug.

El producto siguiente en los *itálicos* es el resultado obtenido de la herramienta del Output Interpreter:

```

Access-Request 172.22.53.201:1645 id 14
Attribute Type 4:  NAS-IP-Address is 172.22.53.141
Attribute Type 5:  NAS-Port is 5
Attribute Type 61: NAS-Port-Type is Asynchronous
Attribute Type 1:  User-Name is asyn
Attribute Type 30: Called-Station-ID(DNIS) is 8156
Attribute Type 3:  CHAP-Password is (encoded)
Attribute Type 6:  Service-Type is Framed
Attribute Type 7:  Framed-Protocol is PPP
      Access-Accept 172.22.53.201:1645 id 14
Attribute Type 6:  Service-Type is Framed
Attribute Type 7:  Framed-Protocol is PPP

```

De la salida de los debugs decodificada por la herramienta, verifique ese **tipo 6 del atributo: El tipo de servicio capítulo** y el **tipo 7 del atributo: El Protocolo Entramado** es PPP. Si usted observa que los atributos 6 o 7 no están como se muestra, corrija el perfil del usuario en el servidor de RADIUS (refiera a la [sección de configuración](#)). También note que el **radio del debug** muestra un **access-accept**, que indica que el servidor de RADIUS autenticó con éxito al usuario. Si la salida muestra un **Access-Reject**, después no autenticaron al usuario y usted debe marcar la configuración del nombre de usuario y contraseña en el servidor de RADIUS. Otro atributo a verificar es el **tipo 4 del atributo: Nas-ip-address**. Verifique que el valor visualizado por la herramienta del Output Interpreter haga juego la dirección IP NAS configurada en el servidor de RADIUS.

Nota: Debido a las restricciones de Cisco IOS y a las diferencias en la salida de los debugs con diversas versiones, algunos atributos pueden ser truncados (por ejemplo, **username**, **Llamar-estación-ID(DNIS)**).

```

*Apr 5 11:06:19.871: AAA/AUTHEN (2673347869): status = PASS
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/LCP: Authorize LCP
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/LCP (3232903941): Port='Async5' list=''

```

service=NET

*Apr 5 11:06:19.871: AAA/AUTHOR/LCP: As5 (3232903941) user='async_client'
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/LCP (3232903941): send AV service=ppp
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/LCP (3232903941): send AV protocol=lcp
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/LCP (3232903941): found list "default"
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/LCP (3232903941): Method=radius (radius)
*Apr 5 11:06:19.871: As5 AAA/AUTHOR (3232903941): Post authorization status

= PASS_REPL

*Apr 5 11:06:19.871: As5 AAA/AUTHOR/LCP: Processing AV service=ppp
*Apr 5 11:06:19.871: As5 CHAP: O SUCCESS id 1 len 4
*Apr 5 11:06:19.871: As5 PPP: Phase is UP
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/FSM: (0): Can we start IPCP?
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/FSM (1882093345): Port='Async5' list=''

service=NET

*Apr 5 11:06:19.871: AAA/AUTHOR/FSM: As5 (1882093345) user='async_client'
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/FSM (1882093345): send AV service=ppp
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/FSM (1882093345): send AV protocol=ip
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/FSM (1882093345): found list "default"
*Apr 5 11:06:19.871: As5 AAA/AUTHOR/FSM (1882093345): Method=radius (radius)
*Apr 5 11:06:19.871: As5 AAA/AUTHOR (1882093345): Post authorization status

= PASS_REPL

*Apr 5 11:06:19.871: As5 AAA/AUTHOR/FSM: We can start IPCP
*Apr 5 11:06:19.875: As5 IPCP: O CONFREQ [Closed] id 1 len 10
*Apr 5 11:06:19.875: As5 IPCP: Address 172.22.53.141 (0x0306AC16358D)
*Apr 5 11:06:19.991: As5 IPCP: I CONFREQ [REQsent] id 1 len 34
*Apr 5 11:06:19.991: As5 IPCP: Address 0.0.0.0 (0x030600000000)
*Apr 5 11:06:19.991: As5 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000)
*Apr 5 11:06:19.991: As5 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000)
*Apr 5 11:06:19.991: As5 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000)
*Apr 5 11:06:19.991: As5 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000)
*Apr 5 11:06:19.991: As5 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0,

we want 172.22.53.148 !--- *The address for the peer obtained from the pool.* *Apr 5 11:06:19.991:
As5 AAA/AUTHOR/IPCP: Processing AV service=ppp *Apr 5 11:06:19.991: As5 AAA/AUTHOR/IPCP:
Authorization succeeded *Apr 5 11:06:19.991: As5 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we
want 172.22.53.148 *Apr 5 11:06:19.991: As5 IPCP: O CONFREQ [REQsent] id 1 len 22 *Apr 5
11:06:19.991: As5 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000) *Apr 5 11:06:19.995: As5 IPCP:
SecondaryDNS 0.0.0.0 (0x830600000000) *Apr 5 11:06:19.995: As5 IPCP: SecondaryWINS 0.0.0.0
(0x840600000000) *Apr 5 11:06:20.007: As5 IPCP: I CONFACK [REQsent] id 1 len 10 *Apr 5
11:06:20.007: As5 IPCP: Address 172.22.53.141 (0x0306AC16358D) *Apr 5 11:06:20.119: As5 IPCP: I
CONFREQ [ACKrcvd] id 2 len 16 *Apr 5 11:06:20.119: As5 IPCP: Address 0.0.0.0 (0x030600000000)
*Apr 5 11:06:20.119: As5 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000) *Apr 5 11:06:20.119: As5
AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 172.22.53.148 *Apr 5 11:06:20.119: As5
AAA/AUTHOR/IPCP: Processing AV service=ppp *Apr 5 11:06:20.119: As5 AAA/AUTHOR/IPCP:
Authorization succeeded *Apr 5 11:06:20.119: As5 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we
want 172.22.53.148 *Apr 5 11:06:20.119: As5 IPCP: O CONFNAK [ACKrcvd] id 2 len 16 *Apr 5
11:06:20.119: As5 IPCP: Address 172.22.53.148 (0x0306AC163594) *Apr 5 11:06:20.119: As5 IPCP:
PrimaryDNS 172.22.53.210 (0x8106AC1635D2) *Apr 5 11:06:20.231: As5 IPCP: I CONFREQ [ACKrcvd] id
3 len 16 *Apr 5 11:06:20.231: As5 IPCP: Address 172.22.53.148 (0x0306AC163594) *Apr 5
11:06:20.231: As5 IPCP: PrimaryDNS 172.22.53.210 (0x8106AC1635D2) *Apr 5 11:06:20.231: As5
AAA/AUTHOR/IPCP: Start. Her address 172.22.53.148, we want 172.22.53.148 *Apr 5 11:06:20.231:
As5 AAA/AUTHOR/IPCP (3727543204): Port='Async5' list='' service=NET *Apr 5 11:06:20.231:
AAA/AUTHOR/IPCP: As5 (3727543204) user='async_client' *Apr 5 11:06:20.231: As5 AAA/AUTHOR/IPCP
(3727543204): send AV service=ppp *Apr 5 11:06:20.231: As5 AAA/AUTHOR/IPCP (3727543204): send AV
protocol=ip *Apr 5 11:06:20.231: As5 AAA/AUTHOR/IPCP (3727543204): send AV addr*172.22.53.148
*Apr 5 11:06:20.231: As5 AAA/AUTHOR/IPCP (3727543204): found list "default" *Apr 5 11:06:20.231:
As5 AAA/AUTHOR/IPCP (3727543204): Method=radius (radius) *Apr 5 11:06:20.235: As5 AAA/AUTHOR
(3727543204): Post authorization status = PASS_REPL *Apr 5 11:06:20.235: As5 AAA/AUTHOR/IPCP:
Reject 172.22.53.148, using 172.22.53.148 *Apr 5 11:06:20.235: As5 AAA/AUTHOR/IPCP: Processing
AV service=ppp *Apr 5 11:06:20.235: As5 AAA/AUTHOR/IPCP: Processing AV addr*172.22.53.148 *Apr 5
11:06:20.235: As5 AAA/AUTHOR/IPCP: Authorization succeeded *Apr 5 11:06:20.235: As5
AAA/AUTHOR/IPCP: Done. Her address 172.22.53.148, we want 172.22.53.148 *Apr 5 11:06:20.235: As5
IPCP: O CONFACK [ACKrcvd] id 3 len 16 *Apr 5 11:06:20.235: As5 IPCP: Address 172.22.53.148
(0x0306AC163594) *Apr 5 11:06:20.235: As5 IPCP: PrimaryDNS 172.22.53.210 (0x8106AC1635D2) *Apr 5
11:06:20.235: As5 IPCP: State is Open *Apr 5 11:06:20.235: **As5 IPCP: Install route to**

172.22.53.148 !--- *Route to remote peer is installed.* *Apr 5 11:06:20.871: %LINEPROTO-5-UPDOWN:
Line protocol on Interface Async5, changed state to up

Información Relacionada

- [Soporte Técnico y Documentación - Cisco Systems](#)