Uso de Puente medio PPP para conectar redes enrutadas y con conexión en puente.

Contenido

Introducción

Este documento proporciona una configuración de muestra para usar el mitad-bridging PPP para conectar ruteado y los Bridged Network.

prerrequisitos

Requisitos

No hay requisitos específicos para este documento.

Componentes Utilizados

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

- Software Release 12.2(7b) de Cisco IOS®.

- Dos Cisco 2500 Series Router. Cada uno tiene por lo menos una interfaz del ISDN BRI.

La información que contiene este documento se creó a partir de los dispositivos en 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 cualquier comando.

Productos Relacionados

Esta configuración también se puede utilizar con las siguientes versiones de hardware y software:

- Cualquier interfaz serial, tal como serial, Basic Rate Interface (BRI), interfaz de la velocidad primaria (PRI), y así sucesivamente.
- Cisco IOS Software Release 11.2.
- Cualquier Cisco IOS Software corriente del router como se mencionó anteriormente, y por lo menos un puerto ISDN-BRI. Sin embargo, la función half-bridge se puede utilizar en un router con una interfaz serial.

Convenciones

Para obtener más información sobre las convenciones del documento, consulte Convenciones de Consejos Técnicos de Cisco.

Antecedentes

El puente envía paquetes de puente al medio puente PPP que los convierte en paquetes enrutados y los reenvía a otros procesos del router. Asimismo, el semipuente PPP convierte los paquetes ruteados a los paquetes de puente de Ethernet, y los envía al Bridge en la misma subred Ethernet.

Nota: Esta configuración no cubre un Bridge completo en los ambos lados. Para tal configuración refiera al documento del Bridging Across ISDN.

Sea consciente que el interligar en una conexión ISDN tiende a mantener la conexión activa por mismo los períodos prolongados, si no permanentemente. Si la compañía telefónica carga para el ISDN basado el tiempo de conexión, ésta puede dar lugar a una cuenta muy grande. Por lo tanto, este escenario se recomienda para los que tengan líneas ISDN de uso ilimitado.

Nota: Una interfaz no puede funcionar como un semipuente y un Bridge. El Cisco IOS Software soporta no más que un semipuente PPP por la subred Ethernet.

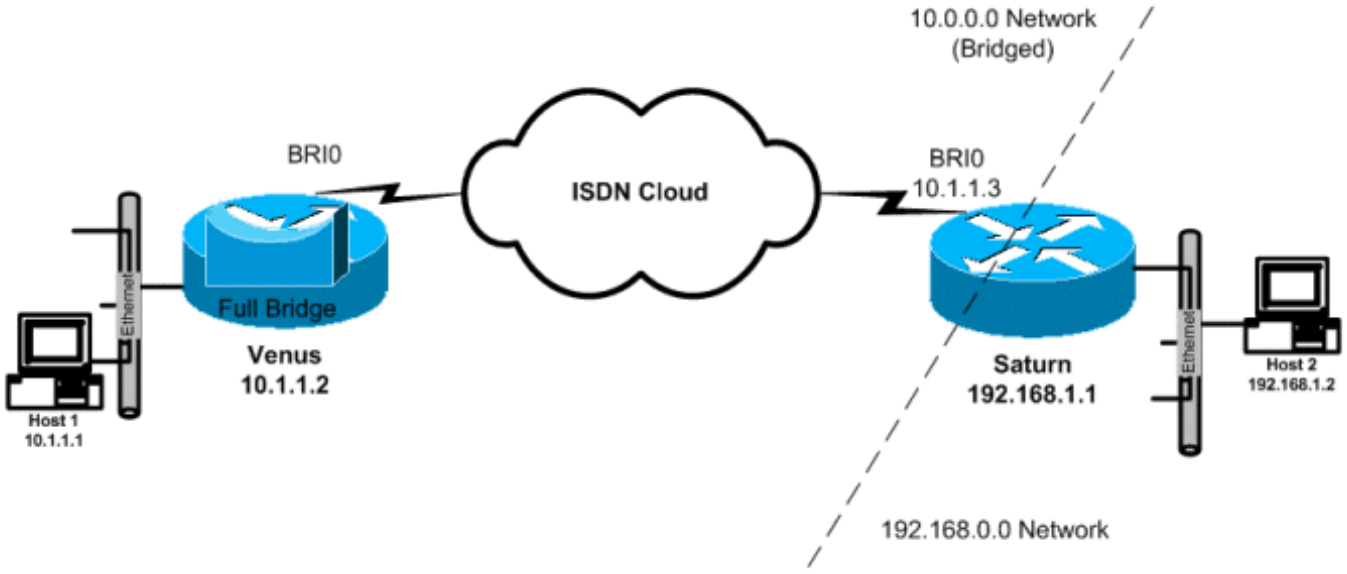
Configurar

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

En este documento, se utiliza esta configuración de red:



Configuraciones

En este documento, se utilizan estas configuraciones:

- **Venus**Configuran a este router como Bridge completo con el Routing IP inhabilitado. Los diales del dispositivo cuando llega cualquier tráfico Bridged.
- **Saturn**Han configurado a este router como Half-Bridge. Observe que no configuran a los **comandos dialer string, dialer group, y dialer list** en este lado. Este router nunca marcará tan, pero validará las llamadas entrantes. Esto evita que el router marque al router remoto. Hemos girado el Routing IP aquí. El Bridging Software lleno no se configura en este router. El Half-Bridge PPP se está ejecutando en la interfaz BRI, así que los comandos como la **demostración interligan** y el atravesar-**árbol de la demostración** no rinde ninguna salida en este router.

Venus

```
Venus#show running-config ! version 12.2 ! hostname
Venus ! username Saturn password 0 same !--- Required
for PPP CHAP authentication during dialup ip subnet-zero
no ip routing !--- Turn off routing no ip domain-lookup
! isdn switch-type basic-5ess !--- The ISDN switchtype
for this circuit. Obtain this information from the !---
Telco. This ISDN switch type is USA specific and could
be changed !--- depending on the country and TELCO
requirements ! interface Ethernet0 ip address 10.1.1.2
255.0.0.0 !--- This is for management purpose only no ip
route-cache no ip mroute-cache bridge-group 1 !---
Assign this interface to Bridge Group 1 !--- Frames are
bridged only among interfaces in the same group !---
Note: the dialer1 interface is also in this bridge-group
1 interface BRI0 no ip address no ip route-cache no ip
mroute-cache dialer pool-member 1 !--- Dialer profiles
configured with same dialer pool # !--- (in this case,
dialer1) will bind to this interface isdn switch-type
basic-5ess !--- Check with your Telco for the correct
values ! interface Dialer1 !--- Configure the Dialer
```

```
profile description ISDN to Saturn ip address 10.1.1.2
255.0.0.0 encapsulation ppp dialer pool 1 !--- Use
physical interfaces configured with same pool # !--- (in
this case, bri0) during dialup dialer remote-name Saturn
!--- Specifies remote CHAP name dialer string 5552000 !-
-- Specifies the number to dial when interesting traffic
arrives dialer-group 1 !--- Defines the interesting
traffic as configured in the dialer-list ppp
authentication chap !--- Use CHAP as the authentication
method bridge-group 1 !--- Assign this interface to
Bridge Group 1. !--- Frames are bridged only among
interfaces in the same group. !--- Note: the Ethernet
interface 0 is also in this bridge-group 1 ip default-
gateway 10.1.1.3 !--- All default traffic from Venus
should go through Saturn dialer-list 1 protocol bridge
permit !--- Defines the interesting traffic. In this
case, all bridged traffic bridge 1 protocol ieee !---
Define the type of Spanning-Tree Protocol used for the
interface in !--- bridge-group 1. Here we use the IEEE
spanning tree protocol. The IEEE 802.1D !--- Spanning-
Tree Protocol is the preferred way of running the
bridge. !
```

Saturn

```
Saturn#show running-config ! version 12.2 ! hostname
Saturn ! username Venus password 0 same !--- Required
for PPP CHAP authentication during dialup ip subnet-zero
no ip domain-lookup ! isdn switch-type basic-5ess !---
The ISDN switchtype for this circuit. Obtain this
information from the !--- Telco. This ISDN switch type
is USA specific and could be changed !--- depending on
the country and Telco requirements ! interface Ethernet0
ip address 192.168.1.1 255.255.0.0 ! interface BRI0 no
ip address no ip mroute-cache dialer pool-member 1 !---
Dialer profiles configured with same dialer pool # !---
(in this case, dialer1) will bind to this interface isdn
switch-type basic-5ess ! interface Dialer1 !---
Configure the Dialer profile description ISDN to Venus
ip address 10.1.1.3 255.0.0.0 !--- IP address is
required to route the bridged traffic from Venus !---
This ip address MUST be in the same subnet as the remote
bridge network encapsulation ppp dialer pool 1 !--- Use
physical interfaces configured with same pool # !--- (in
this case, bri0) during dialup dialer remote-name Venus
pulse-time 0 ppp bridge ip !--- Configures half bridge
ppp authentication chap !--- Use CHAP as the
authentication method !
```

Verificación

En esta sección encontrará información que puede utilizar para confirmar que su configuración esté funcionando correctamente.

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

- **isdn status de la demostración** — visualiza el estatus L1, L2, y L3 de las interfaces de ISDN.
- **marcador de la demostración** — visualiza el estatus del marcador, y el estado individual de los canales ISDN.

- **Bridge de la demostración** — clases de las visualizaciones de entradas en el Bridge Forwarding Database, en el modo EXEC privilegiado.
- **interfaz de la demostración** — visualiza el estatus de las diversas interfaces, incluyendo el serial y las interfaces BRI.
- **la demostración arp** — marca la asignación ARP. El ARP es un protocolo usado para asociar el direccionamiento de la capa 2 (dirección MAC) a un direccionamiento de la capa 3 (dirección IP).
- **atravesar-árbol de la demostración** — visualiza la topología del árbol de expansión sabida al router.

Comandos show en Venus luego realizar la llamada a Saturno

```
Venus#show isdn status Global ISDN Switchtype = basic-5ess ISDN BRI0 interface dsl 0, interface
ISDN Switchtype = basic-5ess Layer 1 Status: ACTIVE Layer 2 Status: TEI = 107, Ces = 1, SAPI =
0, State = MULTIPLE_FRAME_ESTABLISHED Layer 3 Status: 1 Active Layer 3 Call(s) CCB:callid=800E,
sapi=0, ces=1, B-chan=2, calltype=DATA Active dsl 0 CCBs = 1 The Free Channel Mask: 0x80000001
Number of L2 Discards = 0, L2 Session ID = 17 Total Allocated ISDN CCBs = 1 Venus#show dialer
BRI0 - dialer type = ISDN Dial String Successes Failures Last DNIS Last status 0 incoming
call(s) have been screened. 0 incoming call(s) rejected for callback. BRI0:1 - dialer type =
ISDN Idle timer (120 secs), Fast idle timer (20 secs) Wait for carrier (30 secs), Re-enable (15
secs) Dialer state is idle BRI0:2 - dialer type = ISDN Idle timer (120 secs), Fast idle timer
(20 secs) Wait for carrier (30 secs), Re-enable (15 secs) Dialer state is data link layer up
Dial reason: bridge (0x0800) Interface bound to profile Di1 Time until disconnect 90 secs
Current call connected 00:00:31 Di1 - dialer type = DIALER PROFILE Idle timer (120 secs), Fast
idle timer (20 secs) Wait for carrier (30 secs), Re-enable (15 secs) Dialer state is data link
layer up Number of active calls = 1 Dial String Successes Failures Last DNIS Last status 5552000
5 1 00:00:34 Successful Default Venus#show interface bri0:2 BRI0:2 is up, line protocol is up
Hardware is BRI MTU 1500 bytes, BW 64 Kbit, DLY 20000 usec, reliability 255/255, txload 1/255,
rxload 1/255 Encapsulation PPP, loopback not set Keepalive set (10 sec) Time to interface
disconnect: idle 00:01:18 Interface is bound to Di1 (Encapsulation PPP) LCP Open Closed: IPCP
Open: BRIDGECP, CDPCP !--- Bridge Control Protocol is open Last input 00:00:42, output 00:00:00,
output hang never Last clearing of "show interface" counters never Input queue: 0/75/0/0
(size/max/drops/flushes); Total output drops: 0 Queueing strategy: fifo Output queue :0/40
(size/max) 5 minute input rate 0 bits/sec, 0 packets/sec 5 minute output rate 0 bits/sec, 0
packets/sec 161 packets input, 9796 bytes, 0 no buffer Received 0 broadcasts, 0 runts, 0 giants,
0 throttles 0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort 328 packets output,
16659 bytes, 0 underruns 0 output errors, 0 collisions, 7 interface resets 0 output buffer
failures, 0 output buffers swapped out 16 carrier transitions Venus#show bridge Total of 300
station blocks, 298 free Codes: P - permanent, S - self Bridge Group 1: Address Action Interface
Age RX count TX count 00d0.58ad.ae13 forward Ethernet0 0 74 58 0060.5cf4.a955 forward Dialer1 0
58 72 Venus#show arp Protocol Address Age (min) Hardware Addr Type Interface Internet 10.1.1.2 -
0060.5cf4.a9a8 ARPA Ethernet0 Internet 10.1.1.3 0 0060.5cf4.a955 ARPA Dialer1 Venus#show
spanning-tree Bridge group 1 is executing the ieee compatible Spanning Tree protocol Bridge
Identifier has priority 32768, address 0060.5cf4.a9a8 Configured hello time 2, max age 20,
forward delay 15 Current root has priority 32768, address 0009.7c2e.ba00 Root port is 2
(Ethernet0), cost of root path is 100 Topology change flag not set, detected flag not set Number
of topology changes 1 last change occurred 22:09:28 ago from Ethernet0 Times: hold 1, topology
change 35, notification 2 hello 2, max age 20, forward delay 15 Timers: hello 0, topology change
0, notification 0, aging 300 Port 2 (Ethernet0) of Bridge group 1 is forwarding Port path cost
100, Port priority 128, Port Identifier 128.2. Designated root has priority 32768, address
0009.7c2e.ba00 Designated bridge has priority 32768, address 0009.7c2e.ba00 Designated port id
is 128.13, designated path cost 0 Timers: message age 2, forward delay 0, hold 0 Number of
transitions to forwarding state: 1 BPDU: sent 1, received 39911 Port 8 (Dialer1) of Bridge group
1 is forwarding Port path cost 17857, Port priority 128, Port Identifier 128.8. Designated root
has priority 32768, address 0009.7c2e.ba00 Designated bridge has priority 32768, address
0060.5cf4.a9a8 Designated port id is 128.8, designated path cost 100 Timers: message age 0,
forward delay 0, hold 0 Number of transitions to forwarding state: 1 BPDU: sent 39879, received
0
```

Comandos show en Saturno luego de que Venus realiza la llamada

```
Saturn#show dialer BRI0 - dialer type = ISDN Dial String Successes Failures Last DNIS Last
status 0 incoming call(s) have been screened. 0 incoming call(s) rejected for callback. BRI0:1 -
dialer type = ISDN Idle timer (120 secs), Fast idle timer (20 secs) Wait for carrier (30 secs),
Re-enable (15 secs) Dialer state is idle BRI0:2 - dialer type = ISDN Idle timer (120 secs), Fast
idle timer (20 secs) Wait for carrier (30 secs), Re-enable (15 secs) Dialer state is data link
layer up Interface bound to profile Di1 Time until disconnect 45 secs Connected to <unknown
phone number> (Venus) Di1 - dialer type = DIALER PROFILE Idle timer (120 secs), Fast idle timer
(20 secs) Wait for carrier (30 secs), Re-enable (15 secs) Dialer state is data link layer up
Number of active calls = 1 Dial String Successes Failures Last DNIS Last status Saturn#show isdn
status Global ISDN Switchtype = basic-5ess ISDN BRI0 interface dsl 0, interface ISDN Switchtype
= basic-5ess Layer 1 Status: ACTIVE Layer 2 Status: TEI = 105, Ces = 1, SAPI = 0, State =
MULTIPLE_FRAME_ESTABLISHED I_Queue_Len 0, UI_Queue_Len 0 Layer 3 Status: 1 Active Layer 3
Call(s) CCB:callid=2B, sapi=0, ces=1, B-chan=2, calltype=DATA Active dsl 0 CCBs = 1 The Free
Channel Mask: 0x80000001 Number of L2 Discards = 0, L2 Session ID = 37 Total Allocated ISDN CCBs
= 1 Saturn#show arp Protocol Address Age (min) Hardware Addr Type Interface Internet 10.1.1.2 27
0060.5cf4.a9a8 ARPA Dialer1 Internet 10.1.1.1 63 00d0.58ad.ae13 ARPA Dialer1 Internet
192.168.1.1 - 0060.5cf4.a955 ARPA Ethernet0 Internet 192.168.1.2 53 0000.0c76.2882 ARPA
Ethernet0 Saturn#show spanning-tree No spanning tree instances exist. !--- This router does not
run full bridge, !--- so spanning tree does not run on this router Saturn#show ip route Codes: C
- connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP D - EIGRP, EX - EIGRP external,
O - OSPF, IA - OSPF inter area N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2 E1
- OSPF external type 1, E2 - OSPF external type 2, E - EGP i - IS-IS, L1 - IS-IS level-1, L2 -
IS-IS level-2, ia - IS-IS inter area * - candidate default, U - per-user static route, o - ODR P
- periodic downloaded static route Gateway of last resort is not set C 10.0.0.0/8 is directly
connected, Dialer1 C 192.168.0.0/16 is directly connected, Ethernet0
```

Troubleshooting

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

Recursos de resolución de problemas

Los procedimientos deTroubleshooting para las llamadas ISDN entrantes y salientes se explican en la tecnología de marcación manual: Documento de las técnicas de Troubleshooting. La información adicional en cómo resolver problemas los problemas de la capa ISDN 1, de la capa 2 y de la capa 3 se da al usar el comando show isdn status para el Troubleshooting de BRI y resolviendo problemas el ISDN BRI acode 3 usando el comando debug isdn q931.

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 de depuración, consulte Información importante sobre comandos de depuración.

- **debug dialer** — indica cuando se ha detectado el tráfico interesante, y cuando se inicia la marca.
- **debug isdn event** — indica la actividad ISDN que ocurre en el lado del usuario de la interfaz de ISDN, y es similar **hacer el debug de ISDN q931**.
- **debug ISDN q931** — proporciona la información sobre la configuración de la llamada y cierre de las conexiones de red ISDN (capa 3), entre el router local (lado del usuario) y la red.
- **el debug isdn q921** — visualiza la capa del link de datos (los procedimientos de acceso de la capa 2) que están ocurriendo en el router en el canal D (LAPD) de su interfaz de ISDN.

- **negociación ppp del debug** — realiza la negociación de opciones PPP y los parámetros del protocolo network control (NCP).
- **autenticación PPP del debug** — permite el intercambio de los paquetes del protocolo challenge authentication (GRIETA) y del protocolo password authentication (PAP).

Comandos Debug en el Venus cuando llega el tráfico interesante

```
Venus#
*Mar  1 22:00:14.838: BR0 DDR: rotor dialout [priority]
*Mar  1 22:00:14.838: BR0 DDR: Dialing cause bridge (0x0800)
*Mar  1 22:00:14.842: BR0 DDR: Attempting to dial 5552000 *Mar 1 22:00:14.846: ISDN BR0:
Outgoing call id = 0x8006, dsl 0 *Mar 1 22:00:14.846: ISDN BR0: Event: Call to 5552000 at 64
Kb/s *Mar 1 22:00:14.850: ISDN BR0: process_bri_call(): call id 0x8006, called_number 5552000,
speed 64, call type DATA *Mar 1 22:00:14.854: CCBRI_Go Fr Host InPkgInfo (Len=22) : *Mar 1
22:00:14.858: 1 0 1 80 6 0 4 2 88 90 18 1 83 2C 7 35 35 35 32 30 30 30 *Mar 1 22:00:14.866: *Mar
1 22:00:14.870: CC_CHAN_GetIdleChanbri: dsl 0 *Mar 1 22:00:14.870: Found idle channel B1 *Mar 1
22:00:14.886: ISDN BR0: TX -> INFOc sapi=0 tei=106 ns=0 nr=0
i=0x08010605040288901801832C0735353532303030 *Mar 1 22:00:14.906: SETUP pd = 8 callref = 0x06
*Mar 1 22:00:14.914: Bearer Capability i = 0x8890 *Mar 1 22:00:14.918: Channel ID i = 0x83 *Mar
1 22:00:14.92Venus#6: Keypad Facility i = '5552000' *Mar 1 22:00:15.190: ISDN BR0: RX <- INFOc
sapi=0 tei=106 ns=0 nr=1 i=0x0801860218018A *Mar 1 22:00:15.198: CALL_PROC pd = 8 callref = 0x86
*Mar 1 22:00:15.206: Channel ID i = 0x8A *Mar 1 22:00:15.222: ISDN BR0: TX -> RRr sapi=0 tei=106
nr=1 *Mar 1 22:00:15.230: CCBRI_Go Fr L3 pkt (Len=7) : *Mar 1 22:00:15.230: 2 1 6 98 18 1 8A
*Mar 1 22:00:15.234: *Mar 1 22:00:15.238: ISDN BR0: LIF_EVENT: ces/callid 1/0x8006
HOST_PROCEEDING *Mar 1 22:00:15.238: ISDN BR0: HOST_PROCEEDING *Mar 1 22:00:15.242: ISDN BR0:
HOST_MORE_INFO *Mar 1 22:00:15.658: ISDN BR0: RX <- INFOc sapi=0 tei=106 ns=1 nr=1 i=0x08018607
*Mar 1 22:00:15.666: CONNECT pd = 8 callref = 0x86 *Mar 1 22:00:15.678: ISDN BR0: TX -> RRr
sapi=0 tei=106 nr=2 *Mar 1 22:00:15.686: CCBRI_Go Fr L3 pkt (Len=4) : *Mar 1 22:00:15.690: 7 1 6
91 *Mar 1 22:00:15.690: *Mar 1 22:00:15.694: ISDN BR0: LIF_EVENT: ces/callid 1/0x8006
HOST_CONNECT 22:00:15: %LINK-3-UPDOWN: Interface BRI0:2, changed state to up *Mar 1
22:00:15.702: BR0:2 PPP: Phase is DOWN, Setup [0 sess, 0 load] *Mar 1 22:00:15.706: BR0:2 PPP:
No remote authentication for call-out *Mar 1 22:00:15.710: BR0:2 PPP: Phase is ESTABLISHING [0
sess, 0 load] *Mar 1 22:00:15.710: BR0:2 PPP: Treating connection as a callout *Mar 1
22:00:15.714: BR0:2 PPP: No remote authentication for call-out *Mar 1 22:00:15.718: BR0:2 LCP: O
CONFREQ [Closed] id 1 len 10 *Mar 1 22:00:15.722: BR0:2 LCP: MagicNumber 0x6515B12A
(0x05066515B12A) *Mar 1 22:00:15.722: BR0:2: interface must be fifo queue, force fifo 22:00:15:
%DIALER-6-BIND: Interface BR0:2 bound to profile Di1 *Mar 1 22:00:15.742: ISDN:
get_isdn_service_state(): idb 0x1A2DBC bchan 3 is_isdn 1 Not a Pri *Mar 1 22:00:15.746: BR0:2
PPP: Treating connection as a callout *Mar 1 22:00:15.746: ISDN BR0: Event: Connected to 5552000
on B2 at 64 Kb/s *Mar 1 22:00:15.762: ISDN BR0: TX -> INFOc sapi=0 tei=106 ns=1 nr=2
i=0x0801060F *Mar 1 22:00:15.766: CONNECT_ACK pd = 8 callref = 0x06 *Mar 1 22:00:15.774: BR0:2
LCP: I CONFREQ [REQsent] id 1 len 15 *Mar 1 22:00:15.778: BR0:2 LCP: AuthProto CHAP
(0x0305C22305) *Mar 1 22:00:15.782: BR0:2 LCP: MagicNumber 0x788C6F8F (0x0506788C6F8F) *Mar 1
22:00:15.786: BR0:2 LCP: O CONFACK [REQsent] id 1 len 15 *Mar 1 22:00:15.790: BR0:2 LCP:
AuthProto CHAP (0x0305C22305) *Mar 1 22:00:15.790: BR0:2 LCP: MagicNumber 0x788C6F8F
(0x0506788C6F8F) *Mar 1 22:00:15.798: BR0:2 LCP: I CONFACK [ACKsent] id 1 len 10 *Mar 1
22:00:15.798: BR0:2 LCP: MagicNumber 0x6515B12A (0x05066515B12A) *Mar 1 22:00:15.802: BR0:2 LCP:
State is Open *Mar 1 22:00:15.806: BR0:2 PPP: Phase is AUTHENTICATING, by the peer [0 sess, 1
load] *Mar 1 22:00:15.870: ISDN BR0: RX <- RRr sapi=0 tei=106 nr=2 *Mar 1 22:00:15.882: BR0:2
CHAP: I CHALLENGE id 31 len 27 from "Saturn" *Mar 1 22:00:15.890: BR0:2 CHAP: O RESPONSE id 31
len 26 from "Venus" *Mar 1 22:00:15.914: BR0:2 CHAP: I SUCCESS id 31 len 4 *Mar 1 22:00:15.918:
BR0:2 PPP: Phase is UP [0 sess, 1 load] *Mar 1 22:00:15.922: BR0:2 BNCP: O CONFREQ [Closed] id 1
len 4 *Mar 1 22:00:15.926: BR0:2 IPCP: O CONFREQ [Closed] id 1 len 10 *Mar 1 22:00:15.930: BR0:2
IPCP: Address 10.1.1.2 (0x03060A010102) *Mar 1 22:00:15.934: BR0:2 CDPCP: O CONFREQ [Closed] id
1 len 4 *Mar 1 22:00:15.942: BR0:2 BNCP: I CONFREQ [REQsent] id 1 len 4 *Mar 1 22:00:15.946:
BR0:2 BNCP: O CONFACK [REQsent] id 1 len 4 *Mar 1 22:00:15.950: BR0:2 CDPCP: I CONFREQ [REQsent]
id 1 len 4 *Mar 1 22:00:15.954: BR0:2 CDPCP: O CONFACK [REQsent] id 1 len 4 *Mar 1 22:00:15.958:
BR0:2 BNCP: I CONFACK [ACKsent] id 1 len 4 *Mar 1 22:00:15.958: BR0:2 BNCP: State is Open *Mar 1
22:00:15.966: BR0:2 LCP: I PROTREJ [Open] id 2 len 16 protocol IPCP (0x80210101000A03060A010102)
*Mar 1 22:00:15.970: BR0:2 IPCP: State is Closed *Mar 1 22:00:15.974: BR0:2 CDPCP: I CONFACK
[ACKsent] id 1 len 4 *Mar 1 22:00:15.978: BR0:2 CDPCP: State is Open *Mar 1 22:00:15.978: BR0:2
```

DDR: dialer protocol up 22:00:16: %LINEPROTO-5-UPDOWN: Line protocol on Interface BRI0:2, changed state to up 22:00:21: %ISDN-6-CONNECT: **Interface BRI0:2 is now connected to 5552000** Venus# Saturn#
4d16h: ISDN BR0: RX <- UI c/r=1 sapi=0 tei=127
i=0x08014105040288901801 8A7008C135353532303030
4d16h: SETUP pd = 8 callref = 0x41
4d16h: Bearer Capability i = 0x8890
4d16h: Channel ID i = 0x8A
4d16h: Called Party Number i = 0xC1, '5552000', Plan:ISDN,
Type:Subscriber(local)
4d16h: CCBRI_Go Fr L3 pkt (Len=21) :
4d16h: 5 1 C1 90 4 2 88 90 18 1 8A 70 8 C1 35 35 35 32 30 30 30
4d16h:
4d16h: ISDN BR0: Incoming call id = 0x002B, dsl 0
4d16h: ISDN BR0: LIF_EVENT: ces/callid 1/0x2B HOST_INCOMING_CALL
4d16h: ISDN BR0: HOST_INCOMING_CALL: (non-POTS) DATA
4d16h: ISDN BR0: HOST_INCOMING_CALL: (1) call_type = DATA
4d16h: ISDN BR0: HOST_INCOMING_CALL: voice_answer_data = FALSE call type is DATA
4d16h: ISDN BR0: Event: **Received a DATA call from <unknown> on B2 at 64 Kb/s** 4d16h: ISDN BR0: Event: Accepting the call id 0x2B 4d16h: BR0:2 PPP: Phase is DOWN, Setup [0 sess, 1 load] 4d16h: BR0:2 PPP: Phase is ESTABLISHING [0 sess, 1 load] 4d16h: BR0:2: inteSarface must be fifo queue, force fifo **4d16h: %DIALER-6-BIND: Interface BR0:2 bound to profile Di1** 4d16h: ISDN BR0: RM returned call_type 0 resource type 0 response 1 4d16h: CCBRI_Go Fr Host InPkgInfo (Len=9) : 4d16h: 7 0 1 0 2B 3 18 1 8A 4d16h: 4d16h: ISDN BR0: isdn_send_connect(): msg 4, call id 0x2B, ces 1 bchan 1, c all type DATA 4d16h: %LINK-3-UPDOWN: Interface BRI0:2, changed state to up 4d16h: ISDN: get_isdn_service_state(): idb 0x1A2EAC bchan 3 is_isdn 1 Not a Pri 4d16h: BR0:2 PPP: Treating connection as a callin 4d16h: BR0:2 LCP: State is Listen 4d16h: CCBRI_Go Fr Host InPkgInfo (Len=6) : 4d16h: 4 0 1 0 2B 0 4d16h: 4d16h: ISDN BR0: TX -> INFOc sapi=0 tei=105 ns=7 nr=5 i=0x0801C10218018A 4d16h: CALL_PROC pd = 8 callref = 0xC1 4d16h: Channel ID i = 0x8A 4d16h: ISDN BR0: RX <- RRr sapi=0 tei=105 nr=8 4d16h: ISDN BR0: TX -> INFOc sapi=0 tei=105 ns=8 nr=5 i=0x0801C107 4d16h: CONNECT pd = 8 callref = 0xC1 4d16h: ISDN BR0: RX <- INFOc sapi=0 tei=105 ns=5 nr=9 i=0x0801410F 4d16h: CONNECT_ACK pd = 8 callref = 0x41 4d16h: ISDN BR0: TX -> RRr sapi=0 tei=105 nr=6 4d16h: CCBRI_Go Fr L3 pkt (Len=4) : 4d16h: F 1 C1 92 4d16h: 4d16h: ISDN BR0: LIF_EVENT: ces/callid 1/0x2B HOST_CONNECT 4d16h: ISDN BR0: Event: Connected to <unknown> on B2 at 64 Kb/s 4d16h: BR0:2 LCP: I CONFREQ [Listen] id 1 len 10 4d16h: BR0:2 LCP: MagicNumber 0x6515B12A (0x05066515B12A) 4d16h: BR0:2 LCP: O CONFREQ [Listen] id 1 len 15 4d16h: BR0:2 LCP: AuthProto CHAP (0x0305C22305) 4d16h: BR0:2 LCP: MagicNumber 0x788C6F8F (0x0506788C6F8F) 4d16h: BR0:2 LCP: O CONFACK [Listen] id 1 len 10 4d16h: BR0:2 LCP: MagicNumber 0x6515B12A (0x05066515B12A) 4d16h: BR0:2 LCP: I CONFACK [ACKsent] id 1 len 15 4d16h: BR0:2 LCP: AuthProto CHAP (0x0305C22305) 4d16h: BR0:2 LCP: MagicNumber 0x788C6F8F (0x0506788C6F8F) 4d16h: BR0:2 LCP: State is Open 4d16h: BR0:2 PPP: Phase is AUTHENTICATING, by this end [0 sess, 0 load] 4d16h: BR0:2 CHAP: O CHALLENGE id 31 len 27 from "Saturn" 4d16h: BR0:2 CHAP: I RESPONSE id 31 len 26 from "Venus" 4d16h: BR0:2 **CHAP: O SUCCESS** id 31 len 4 4d16h: BR0:2 PPP: Phase is UP [0 sess, 0 load] 4d16h: BR0:2 BNCP: O CONFREQ [Closed] id 1 len 4 4d16h: BR0:2 CDPCP: O CONFREQ [Closed] id 1 len 4 4d16h: BR0:2 BNCP: I CONFREQ [REQsent] id 1 len 4 4d16h: BR0:2 BNCP: O CONFACK [REQsent] id 1 len 4: BR0:2 IPCP: I CONFREQ [Not negotiated] id 1 len 10 4d16h: BR0:2 IPCP: Address 10.1.1.2 (0x03060A010102) 4d16h: BR0:2 LCP: O PROTREJ [Open] id 2 len 16 protocol IPCP (0x80210101000A03060A010102) 4d16h: BR0:2 CDPCP: I 4d16h CONFREQ [REQsent] id 1 len 4 4d16h: BR0:2 CDPCP: O CONFACK [REQsent] id 1 len 4 4d16h: BR0:2 BNCP: I CONFACK [ACKsent] id 1 len 4 4d16h: BR0:2 BNCP: State is Open 4d16h: BR0:2 CDPCP: I CONFACK [ACKsent] id 1 len 4 4d16h: BR0:2 CDPCP: State is Open 4d16h: BR0:2 DDR: dialer protocol up 4d16h: %LINEPROTO-5-UPDOWN: Line protocol on Interface BRI0:2, changed state to up 4d16h: %ISDN-6-CONNECT: Interface BRI0:2 is now connected to <unknown phone number> Venus *!--- Unknown phone number because of no dialer string on Saturn* Saturn#

Información Relacionada

- Más información sobre los comandos de dial-backup
- Soporte de tecnología de Cisco – Marcar
- Soporte Técnico - Cisco Systems