# Contenido



# Introducción

Este consejo técnico explica cómo implementar tiempos de espera por usuario en los servidores de acceso de Cisco. Para que los tiempos de espera por usuario funcionen correctamente, ejecute Cisco IOS versión 11.3(8)T o posterior. Si ejecuta una versión anterior de Cisco IOS, los temporizadores quizás sólo funcionen en algunas configuraciones básicas, como sólo asíncrona sin perfiles virtuales.

Este documentos abarca la configuración del servidor de acceso a la red (NAS) y del servidor del Authentication, Authorization, and Accounting (AAA). También proporciona salida de los comandos show y debug para que pueda confirmar si sus dispositivos funcionan correctamente y así pueda depurar cualquier problema.

# 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.

- Versión deL Cisco IOS 11.3(8)T o más adelante

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.

## Convenciones

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

# Detalles técnicos

Antes de tratar los tiempos de espera por usuario, que incorporan otras variables como la configuración AAA y los servidores RADIUS/TACACS+, examinaremos cómo configurar un servidor de acceso para tiempos de espera fijos, que son aquéllos que se aplican de manera global y a todas las personas que realizan la marcación de entrada.

Los principales comandos de Cisco IOS son dialer idle-timeout y timeout absolute. Estos son dos comandos de configuración de interfaces. También veremos un tercer comando, ppp timeout idle, utilizado en las interfaces de acceso virtual.

**dialer idle-timeout <x>**

Este comando se puede configurar en cualquier interfaz habilitada para dialer y control cuánto tiempo la conexión puede estar ociosa (en los segundos) antes de que se termine. A continuación se enumeran cuatro puntos que se deben tener en cuenta acerca de este comando:

1. Este comando sólo puede aplicarse a interfaces que sean capaces de utilizar el marcador. Por abandono todas las interfaces de ISDN (BRI y PRI) son dialer capaz, así que agregar este comando no son un problema. Las interfaces asíncronas (incluidas las interfaces asíncronas de grupo) no tienen capacidad de marcador de manera predeterminada. Para que así sea, debe ingresar el comando dialer in-band. Sólo luego de haber ingresado el comando dialer in-band en la interfaz asincrónica puede configurar el dialer idle-timeout. Nota**Nota:** El vtemplate (y por lo tanto las interfaces de accesov) no son dialer capaz (son de punto a punto solamente) y no pueden utilizar así este comando.
2. En una interfaz habilitada para dialer (es decir, ISDN o async con el dialer dentro de la banda), el valor por defecto es el ocioso-**descanso 120** (segundos) del **marcador**. Este tiempo es generalmente muy corto en un entorno ISP, por lo tanto, deberá aumentarlo casi siempre.
3. El valor predeterminado del tiempo de espera inactiva del marcador sólo se restablece en el tráfico saliente (tráfico hacia el usuario) que coincide con la lista del marcador (es decir, que se considera interesante). Es posible reajustarlo para el tráfico interesante entrante también agregando la **cualquier** palabra clave en el final del comando (es decir, ocioso-**descanso 600 del marcador cualquiera**).
4. El tráfico considerado “interesante” es definido por el **comando dialer-list <n>**, donde el *<n>* hace juego el número en su declaración de **comando dialer-group <n>**.

**timeout absolute <x> <y>**

Este comando se puede configurar en cualquier interfaz de WAN, incluyendo las interfaces asincrónicas, las interfaces de ISDN, las interfaces del dialer, y las interfaces de Vtemplate. Controlan el tiempo de actividad de la conexión antes de finalizarla. Observe que la sintaxis es <x> <y> en donde <x> está en minutos e <y> está en segundos.

**<x> de la marcha lenta del descanso ppp**

Este comando se puede configurar solamente en las interfaces de Vtemplate (e incluso se oculta en el analizador de sintaxis), y los controles cuánto tiempo la conexión puede estar ociosa (en los segundos) antes de que se termine. Su función es muy similar a la del comando dialer idle-timeout en las interfaces del marcador, sólo que ppp timeout idle es para las interfaces vtemplate/vaccess. Porque se utiliza específicamente en el vtemplate/las interfaces de accesov, este comando es apropiado para las configuraciones del perfil virtual (donde una interfaz de accesov se crea siempre para un usuario), y los gatewayes de inicio del Virtual Private Dialup Network (VPDN) (donde las interfaces proyectadas se terminan siempre en una interfaz de accesov). A diferencia del comando dialer idle-timeout, no existe el concepto de tráfico interesante y, por lo tanto, todo el tráfico de los usuarios reiniciará el temporizador ocioso. El tráfico que no es de usuarios, tal como el del las señales de mantenimiento del protocolo de control de link (LCP) y el de los paquetes de negociación del protocolo de control de red (NCP), no restaura el temporizador.

# 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).

En este documento, se utilizan estas configuraciones:

- Configuración baja (perfiles virtuales no habilitados)
- Tiempos de espera agotados globales
- Tiempos de espera por usuario – configuración del servidor AAA
- 'Tiempos de espera por usuario – configuración de NAS'

## Configuración baja (perfiles virtuales no habilitados)

Para fines de aprendizaje, supongamos que se trata de una configuración base como la que se muestra a continuación. No está activada la función de perfiles virtuales.

| Configuración base |
| --- |
| `!version 11.3service timestamps debug datetime msecservice timestamps log datetime msecservice password-encryption!hostname access-3!aaa new-modelaaa authentication login default tacacs+ localaaa authentication login console noneaaa authentication login use-radius local radiusaaa authentication enable default enableaaa authentication ppp default if-needed local tacacs+aaa authentication ppp use-radius if-needed` |

```
local radiusaaa authentication arap default localaaa
authorization exec default tacacs+ localaaa
authorization exec console noneaaa authorization exec
use-radius local radius if-authenticatedaaa
authorization network default local tacacs+ if-
authenticatedaaa authorization network use-radius local
radius if-authenticatedaaa accounting exec default stop-
only tacacs+aaa accounting network default stop-only
tacacs+aaa accounting system default start-stop
tacacs+enable secret 5
$1$oMKx$kPcop1zxkpxa8fkxXBWp21!modem call-record
tersemodem buffer-size 250no ip finger!isdn switch-type
primary-5essclock timezone PST -8clock summer-time PDT
recurring!controller T1 0 framing esf clock source line
primary linecode b8zs pri-group timeslots 1-24<output
omitted>!interface Loopback0 ip address 10.1.1.1
255.255.255.0 no ip directed-broadcast!interface
Ethernet0 ip address 172.16.1.1 255.255.255.0 no ip
directed-broadcast!interface Virtual-Template1 ip
unnumbered Loopback0 no ip directed-broadcast no
keepalive peer default ip address pool default ppp
authentication chap pap use-radius ppp
multilink!interface Serial0:23 ip unnumbered Loopback0
no ip directed-broadcast encapsulation ppp no logging
event link-status no keepalive dialer-group 1 autodetect
encapsulation ppp v120 isdn switch-type primary-5ess
isdn incoming-voice modem peer default ip address pool
default no fair-queue no cdp enable ppp max-bad-auth 3
ppp authentication chap pap use-radius ppp
multilink!<output omitted>!interface Group-Async1 ip
unnumbered Loopback0 no ip directed-broadcast
encapsulation ppp no logging event link-status async
mode interactive peer default ip address pool default no
fair-queue no cdp enable ppp max-bad-auth 3 ppp
authentication chap pap use-radius ppp multilink group-
range 1 96 hold-queue 10 in!ip local pool default
10.1.1.2 10.1.1.200ip classlessip route 0.0.0.0 0.0.0.0
172.16.1.254!no logging consoledialer-list 1 protocol ip
permittacacs-server host 172.16.1.201tacacs-server key
ciscoradius-server host 172.16.1.202 auth-port 1645
acct-port 1646 key cisco!line con 0 exec-timeout 0 0
authorization exec console login authentication console
transport input noneline 1 96 autoselect during-login
autoselect ppp modem Dialin escape-character BREAK
authorization exec use-radius login authentication use-
radiusline aux 0line vty 0 4 exec-timeout 60 0!end
```

## Tiempos de espera agotados globales

Para el próximo ejemplo, impondremos un tiempo de inactividad de 30 minutos (1800 segundos) y un tiempo de espera absoluto de tres horas (de 180 minutos) para los usuarios. El cambio de configuración del delta que habilitará los **tiempos de espera PPP globales** será como sigue:

```
interface Serial0:23 dialer idle-timeout 1800 timeout absolute 180!<output omitted>!interface
Group=Async1 dialer in-band dialer idle-timeout 1800 dialer-group 1 timeout absolute 180
```

Si usted no tiene un dialer-list 1, usted necesitará definir uno. El más simple sería dialer-list 1 protocol ip permit.

Si usa perfiles virtuales, su configuración puede ser más sencilla, ya que puede colocar el tiempo de espera en la interfaz de plantilla virtual, tal como se muestra a continuación:

```
interface Virtual-Template1 ppp timeout idle 1800 timeout absolute 180
```

## Tiempos de espera por usuario – configuración del servidor AAA

Ahora que hemos trabajado con tiempos de espera agotados globales, ampliaremos este conocimiento a tiempos de espera por usuario. Sus valores de temporizador por usuario comenzarán a bajar durante la autorización de la red, entonces, debe tener configurado un comando de red de autorización aaaa para cualquier método que esté utilizando, que sea RADIUS o TACACS+. También observe que los temporizadores por usuario reemplazarán siempre cualquier valor global que se preconfigure en el NAS. La manera el trabajo de los temporizadores por usuario es que cuando el servidor de acceso recibe los atributos de tiempo de espera durante la fase de la Autorización de red, traducirá estos atributos a un conjunto de los comandos configuration que serán ingresados en la interfaz con la cual el usuario será conectado. Estos comandos configuration que son ingresados en la interfaz por un proceso de origen son temporales; se eliminan cuando el usuario se desconecta.

Se enumeran abajo varios perfiles del usuario de la muestra en el servidor:

### Perfiles de RADIUS

```
timeout-absolute-ppp Password = "cisco"        Service-Type = Framed,        Framed-Protocol =
PPP,        Framed-IP-Address = 255.255.255.254,        Session-Timeout = 600timeout-idle-ppp
Password = "cisco"        Service-Type = Framed,        Framed-Protocol = PPP        Framed-IP-
Address = 255.255.255.254,        Idle-Timeout = 300timeout-both-ppp Password = "cisco"
Service-Type = Framed,        Framed-Protocol = PPP,        Framed-IP-Address = 255.255.255.254,
Session-Timeout = 600,        Idle-Timeout = 300
```

**Nota:** Su sintaxis puede variar dependiendo de cómo se configura su diccionario.

### Perfiles TACACS+

```
user = timeout-absolute-ppp {         chap = cleartext cisco         service = ppp protocol =
lcp {                timeout = 10         }         service = ppp protocol = ip {
addr-pool = "default"         } } user = timeout-idle-ppp {         chap = cleartext cisco
service = ppp protocol = lcp {                idletime = 5         }         service = ppp
protocol = ip {                addr-pool = "default"         } } user = timeout-both-ppp {
chap = cleartext cisco         service = ppp protocol = lcp {                timeout = 10
idletime = 5         }         service = ppp protocol = multilink { }         service = ppp
protocol = ip {                addr-pool = "default"         } }
```

## 'Tiempos de espera por usuario – configuración de NAS'

Si sólo utiliza la asincrónica (no ISDN) y no utiliza perfiles virtuales, siempre que tenga dialer in-band configurado en las interfaces asincrónicas (o asincrónicas de grupo), los temporizadores por usuario deberían funcionar. El proceso de origen insertará los temporizadores en la interfaz asincrónica, usando los **comandos dialer idle-timeout y timeout absolute** con los valores pasajeros adentro del RADIUS/TACACS+, y los saca cuando las desconexiones del usuario.

Si sólo está haciendo asincrónico (sin ISDN) y está utilizando perfiles virtuales, no necesita un marcador configurado en banda en la interfaz asincrónica (o grupo asincrónico). Debería funcionar. El proceso de segundo plano insertará temporizadores en las interfaces de acceso virtual utilizando los comandos ppp timeout idle y timeout absolute con los valores transferidos por RADIUS/TACACS+, y los extrae cuando el usuario se desconecta.

Si usted tiene los usuarios ISDN y le necesidad de hacer los temporizadores por usuario, usted puede necesitar utilizar los Perfiles virtuales. La razón es porque el proceso de origen que tenemos discutido previamente no trabaja para las interfaces de ISDN; es decir, usted no puede

configurar el Canal B con el cual el usuario está conectado. La única cosa que usted puede configurar es el canal D que afecta todo el mundo. Sin embargo, si un usuario negocia links múltiples en una sesión, el servidor de acceso creará una interfaz de acceso virtual de forma automática, que actuará como la interfaz de agrupamiento para el usuario. El proceso en segundo plano trabaja con interfaces de acceso virtual, pero no trabaja con una llamada ISDN no multilink cuando no existe una interfaz de acceso virtual. Por lo tanto, si tendrá usuarios de canal B únicos que no negocien multilink y desea instalar tiempos de espera por usuario para ellos, deberá habilitar los perfiles virtuales. La habilitación de perfiles virtuales obliga a la creación de una interfaz vaccess para todos los usuarios (no sólo los usuarios de links múltiples) y el proceso de fondo puede insertar satisfactoriamente los comandos ppp timeout idle y timeout absolute. Si usted elige no habilitar los Perfiles virtuales, los usuarios asincrónicos y los usuarios ISDN del multilink podrán tener agotamientos del tiempo de espera por usuario aplicados a ellos. Pero, los usuarios ISDN sin links múltiples no podrán aplicar el tiempo de espera por usuario. Solamente los tiempos de espera global agotados configurados estáticamente en la interfaz (eventualmente) se aplicarán. Si trata de aplicar los tiempos de espera agotados por usuario a un usuario ISDN no multilink y que no tenga activados los perfiles virtuales, la conexión de usuario no superaría la autorización porque el servidor de acceso era incapaz de procesar los atributos obligatorios de tiempo de espera agotados por usuario.

Además, una característica se ha agregado a las versiones del Cisco IOS 11.3(8.1)T o posteriores que permite que los agotamientos del tiempo de espera por usuario sean aplicados a los usuarios ISDN del sin multilink. Básicamente, elude el modo de configuración de proceso en segundo plano utilizado por lo general y configura los temporizadores directamente en el canal B sin utilizar la interfaz de línea de comandos.

A continuación, se presentan dos reglas que puede seguir para resumir esta configuración complicada:

- Si no usando los Perfiles virtuales, configure al **dialer dentro de la banda** en las interfaces asincrónicas y ejecute el Cisco IOS 11.3(8.1)T o más adelante. Si ejecuta el IOS de Cisco 11.3(8)T, tenga en cuenta que no se puede aplicar el tiempo de espera por usuario a los usuarios ISDN sin links múltiples, ya que de lo contrario no podrían conectarse.
- Si utiliza perfiles virtuales, la versión 11.3(8)T o las versiones posteriores de Cisco IOS funcionarán bien.

## 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. Con el propósito de hacer el debug de, seis ejemplos de resultado de la llamada son incluidos. Para saltar directamente a una sección determinada, seleccione uno de los links abajo:

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.

- Llamada asíncrona con perfiles virtuales: la conexión no se vuelve activa
- 'Llamada asincrónica con perfiles virtuales - la conexión se interrumpe por inactividad'
- Llamada asíncrona sin perfiles virtuales
- Llamada ISDN con links múltiples de un solo canal sin perfiles virtuales
- Llamada ISDN sin links múltiples de un solo canal sin perfiles virtuales
- Llamada ISDN sin links múltiples de un solo canal con perfiles virtuales

**Nota:** Para ver los mismos comandos y salida que se presentan abajo, usted debe ser la versión deL Cisco IOS corriente 11.3AA o versión 12.0T.

## Llamada asíncrona con perfiles virtuales: la conexión no se vuelve activa

A continuación, hay una llamada asíncrona con perfiles virtuales. El perfil instala un tiempo de espera absoluto de 90 segundos y un tiempo de espera ocioso de 60 segundos. En este ejemplo, no dejaremos que la conexión se interrumpa por inactividad. Vea los comentarios en la salida abajo para más detalles. Los comentarios se resaltan y en el texto puesto en letra itálica.

```
!--- ISDN setup message comes in.*Mar 4 19:21:47.772: ISDN Se0:23: RX <- SETUP pd = 8 callref =
0x09*Mar 4 19:21:47.772: Bearer Capability i = 0x9090A2*Mar 4 19:21:47.772: Channel ID i =
0xA98393*Mar 4 19:21:47.772: Called Party Number i = 0xC1, '4085703932'*Mar 4 19:21:47.776: ISDN
Se0:23: TX -> CALL_PROC pd = 8 callref = 0x8009*Mar 4 19:21:47.776: Channel ID i = 0xA98393*Mar
4 19:21:47.776: ISDN Se0:23: TX -> ALERTING pd = 8 callref = 0x8009!--- Modem is allocated.*Mar
4 19:21:47.776: EVENT_FROM_ISDN::dchan_idb=0x6122CFCC, call_id=0x3D, ces=0x1 bchan=0x12,
event=0x1, cause=0x0*Mar 4 19:21:47.776: VDEV_ALLOCATE: slot 1 and port 28 is allocated.*Mar 4
19:21:47.776: EVENT_FROM_ISDN:(003D): DEV_INCALL at slot 1 and port 28*Mar 4 19:21:47.776:
CSM_PROC_IDLE: CSM_EVENT_ISDN_CALL at slot 1, port 28*Mar 4 19:21:47.776: Mica Modem(1/28):
Configure(0x1 = 0x0) *Mar 4 19:21:47.776: Mica Modem(1/28): Configure(0x23 = 0x0) *Mar 4
19:21:47.776: Mica Modem(1/28): Call Setup*Mar 4 19:21:47.932: Mica Modem(1/28): State
Transition to Call Setup!--- Modem goes offhook.*Mar 4 19:21:47.932: Mica Modem(1/28): Went
offhook*Mar 4 19:21:47.932: CSM_PROC_IC1_RING: CSM_EVENT_MODEM_OFFHOOK at slot 1, port 28*Mar 4
19:21:47.932: ISDN Se0:23: TX -> CONNECT pd = 8 callref = 0x8009*Mar 4 19:21:47.996: ISDN
Se0:23: RX <- CONNECT_ACK pd = 8 callref = 0x09!--- DS0 is cut-through.*Mar 4 19:21:47.996:
EVENT_FROM_ISDN::dchan_idb=0x6122CFCC, call_id=0x3D, ces=0x1 bchan=0x12, event=0x4,
cause=0x0*Mar 4 19:21:47.996: EVENT_FROM_ISDN:(003D): DEV_CONNECTED at slot 1 and port 28*Mar 4
19:21:47.996: CSM_PROC_IC4_WAIT_FOR_CARRIER: CSM_EVENT_ISDN_CONNECTED at slot 1, port 28!---
Modem training starts.*Mar 4 19:21:47.996: Mica Modem(1/28): Link Initiate*Mar 4 19:21:49.140:
Mica Modem(1/28): State Transition to Connect*Mar 4 19:21:54.276: Mica Modem(1/28): State
Transition to Link*Mar 4 19:22:05.828: Mica Modem(1/28): State Transition to Trainup*Mar 4
19:22:09.028: Mica Modem(1/28): State Transition to EC Negotiating*Mar 4 19:22:09.568: Mica
Modem(1/28): State Transition to Steady State!--- Modem training completes.*Mar 4 19:22:10.128:
AAA: parse NAME=tty53 idb TYPE=10 tty=53*Mar 4 19:22:10.128: AAA: NAME=tty53 flags=0x11 TYPE=4
shelf=0 slot=0 adapter=0 port=53 channel=0*Mar 4 19:22:10.128: AAA: parse NAME=Serial0:18 idb
TYPE=12 tty=-1*Mar 4 19:22:10.128: AAA: NAME=Serial0:18 flags=0x51 TYPE=1 shelf=0 slot=0
adapter=0 port=0 channel=18!--- PPP begins negotiation.*Mar 4 19:22:11.332: As53 LCP: Lower
layer not up, Fast Starting*Mar 4 19:22:11.332: As53 PPP: Treating connection as a dedicated
line*Mar 4 19:22:11.332: As53 AAA/AUTHOR/FSM: (0): LCP succeeds trivially!--- LCP negotiation
completes, authentication begins.*Mar 4 19:22:13.556: As53 PPP: Phase is AUTHENTICATING, by this
end*Mar 4 19:22:13.556: As53 CHAP: O CHALLENGE id 1 len 26 from "STACK"*Mar 4 19:22:16.016: As53
AUTH: Started process 0 pid 45*Mar 4 19:22:16.016: As53 AAA/AUTHOR/PER-USER: Event LCP_DOWN*Mar
4 19:22:16.208: As53 PPP: Phase is AUTHENTICATING, by this end*Mar 4 19:22:16.208: As53 CHAP: O
CHALLENGE id 2 len 26 from "STACK"!--- CHAP response received from client.*Mar 4 19:22:16.304:
As53 CHAP: I RESPONSE id 2 len 30 from "timeout"*Mar 4 19:22:16.304: AAA: parse NAME=Async53 idb
TYPE=10 tty=53*Mar 4 19:22:16.304: AAA: NAME=Async53 flags=0x11 TYPE=4 shelf=0 slot=0 adapter=0
port=53 channel=0*Mar 4 19:22:16.304: AAA: parse NAME=Serial0:18 idb TYPE=12 tty=-1*Mar 4
19:22:16.304: AAA: NAME=Serial0:18 flags=0x51 TYPE=1 shelf=0 slot=0 adapter=0 port=0
channel=18!--- Send RADIUS query.*Mar 4 19:22:16.304: RADIUS: ustruct sharecount=1*Mar 4
19:22:16.304: RADIUS: Initial Transmit Async53 id 0 172.16.24.117:1645, Access-Request, len
```

92*Mar 4 19:22:16.304: Attribute 4 6 AC101874*Mar 4 19:22:16.304: Attribute 5 6 00000035*Mar 4 19:22:16.304: Attribute 61 6 00000000*Mar 4 19:22:16.304: Attribute 1 11 74696D65*Mar 4 19:22:16.304: Attribute 30 12 34303835*Mar 4 19:22:16.304: Attribute 3 19 0283D0F9*Mar 4 19:22:16.308: Attribute 6 6 00000002*Mar 4 19:22:16.308: Attribute 7 6 00000001*!--- Received RADIUS response, note attribute 27 (Session-Timeout -> absolute timeout) !--- is 0x5A (90) and attribute 28 (Idle-Timeout) is 0x3C (60).*Mar 4 19:22:16.316: RADIUS: Received from id 0 172.16.24.117:1645, Access-Accept, len 50*Mar 4 19:22:16.316: Attribute 6 6 00000002*Mar 4 19:22:16.320: Attribute 7 6 00000001*Mar 4 19:22:16.320: Attribute 8 6 FFFFFFFE***Mar 4 19:22:16.320: Attribute 27 6 0000005A*Mar 4 19:22:16.320: Attribute 28 6 0000003C***!--- Start LCP authorization.*Mar 4 19:22:16.320: As53 AAA/AUTHOR/LCP: Authorize LCP*Mar 4 19:22:16.320: AAA/AUTHOR/LCP As53 (3506139973): Port='Async53' list='' service=NET*Mar 4 19:22:16.320: AAA/AUTHOR/LCP: As53 (3506139973) send AV service=ppp*Mar 4 19:22:16.320: AAA/AUTHOR/LCP: As53 (3506139973) send AV protocol=lcp*Mar 4 19:22:16.320: AAA/AUTHOR/LCP (3506139973) found list "default"*Mar 4 19:22:16.320: AAA/AUTHOR/LCP: As53 (3506139973) METHOD=RADIUS*Mar 4 19:22:16.320: AAA/AUTHOR (3506139973): Post authorization status = PASS_REPL*!--- Gleaned per-user timeouts from user profile.*Mar 4 19:22:16.320: As53 AAA/AUTHOR/LCP: Processing AV service=ppp***Mar 4 19:22:16.320: As53 AAA/AUTHOR/LCP: Processing AV timeout=90*Mar 4 19:22:16.320: As53 AAA/AUTHOR/LCP: Processing AV idletime=60***!--- Translate AAA attributes to interface configuration commands. !--- Since we are using virtual-profiles, we will use the "ppp timeout idle" !--- command instead of the "dialer in-band" command. Note that 90 second absolute timeout !--- translates to the command "timeout absolute 1 30" (1 minute and 30 seconds).***Mar 4 19:22:16.320: AAA/AUTHOR/LCP As53: Per-user interface config created:timeout absolute 1 30ppp timeout idle 60***!--- PPP authentication succeeds.*Mar 4 19:22:16.320: As53 CHAP: O SUCCESS id 2 len 4*Mar 4 19:22:16.320: AAA/ACCT/NET/START User timeout, Port Async53, List ""*Mar 4 19:22:16.320: AAA/ACCT/NET: Found list "default"*!--- Create new vaccess interface.*Mar 4 19:22:16.416: VTEMPLATE: No unused vaccess, create new vaccess*Mar 4 19:22:16.416: Vi1 VTEMPLATE: Set default settings with no ip address, encap ppp*Mar 4 19:22:16.440: Vi1 VTEMPLATE: Hardware address 00e0.1e81.636c*Mar 4 19:22:16.440: Vi1 VTEMPLATE: Has a new cloneblk vtemplate, now it has vtemplate*Mar 4 19:22:16.440: Vi1 VTEMPLATE: ********** CLONE VACCESS1 **********Mar 4 19:22:16.440: Vi1 VTEMPLATE: Clone from Virtual-Template1interface Virtual-Access1default ip addressno ip addressencap pppip unnumbered Loopback0ip access-group 199 inip helper-address 172.16.24.118no ip directed-broadcastip accounting output-packetsip nat insideno keepalivepeer default ip address pool defaultcompress mppcppp callback acceptppp authentication chap pap ms-chapppp multilinkmultilink max-links 2end*Mar 4 19:22:16.504: Vi1 CCP: Re-Syncing history using legacy method*!--- Now add the per-user timeouts we constructed for this user.*Mar 4 19:22:16.520: Vi1 VTEMPLATE: Has a new cloneblk AAA, now it has vtemplate/AAA*Mar 4 19:22:16.520: Vi1 VTEMPLATE: ********** CLONE VACCESS1 **********Mar 4 19:22:16.520: Vi1 VTEMPLATE: Clone from AAAinterface Virtual-Access1timeout absolute 1 30ppp timeout idle 60end***!--- LCP layer is finished, negotiate the appropriate NCPs.*Mar 4 19:22:16.532: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to up*Mar 4 19:22:16.536: Vi1 PPP: Treating connection as a dedicated line*Mar 4 19:22:16.536: Vi1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar 4 19:22:16.536: Vi1 AAA/AUTHOR/FSM: (0): Can we start IPCP?*Mar 4 19:22:16.536: AAA/AUTHOR/FSM Vi1 (1906691625): Port='Async53' list='' service=NET*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: Vi1 (1906691625) send AV service=ppp*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: Vi1 (1906691625) send AV protocol=ip*Mar 4 19:22:16.536: AAA/AUTHOR/FSM (1906691625) found list "default"*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: Vi1 (1906691625) METHOD=RADIUS*Mar 4 19:22:16.536: RADIUS: Using NAS default peer*Mar 4 19:22:16.536: RADIUS: Authorize IP address 0.0.0.0*Mar 4 19:22:16.536: AAA/AUTHOR (1906691625): Post authorization status = PASS_REPL*Mar 4 19:22:16.536: Vi1 AAA/AUTHOR/FSM: We can start IPCP*Mar 4 19:22:16.536: Vi1 AAA/AUTHOR/FSM: (0): Can we start CCP?*Mar 4 19:22:16.536: AAA/AUTHOR/FSM Vi1 (282953275): Port='Async53' list='' service=NET*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: Vi1 (282953275) send AV service=ppp*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: Vi1 (282953275) send AV protocol=ccp*Mar 4 19:22:16.536: AAA/AUTHOR/FSM (282953275) found list "default"*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: Vi1 (282953275) METHOD=RADIUS*Mar 4 19:22:16.540: AAA/AUTHOR (282953275): Post authorization status = PASS_REPL*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/FSM: We can start CCP*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/FSM: Check for unauthorized mandatory AV's*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/FSM: Processing AV service=ppp*Mar 4 19:22:16.540: Vi1 AAA/AUTHOR/FSM: Succeeded*Mar 4 19:22:16.656: Vi1 AAA/AUTHOR/FSM: Check for unauthorized mandatory AV's*Mar 4 19:22:16.656: Vi1 AAA/AUTHOR/FSM: Processing AV service=ppp*Mar 4 19:22:16.656: Vi1 AAA/AUTHOR/FSM: Succeeded*Mar 4 19:22:17.536: %LINEPROTO-5-

UPDOWN: Line protocol on Interface Virtual-Access1, changed state to up*Mar 4 19:22:19.516: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:22:19.516: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:22:19.516: Vi1 AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0*Mar 4 19:22:19.516: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:22:19.516: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:22:19.608: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:22:19.608: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:22:19.608: Vi1 AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0*Mar 4 19:22:19.608: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:22:19.612: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:22:19.704: Vi1 AAA/AUTHOR/IPCP: Start. Her address 10.1.1.3, we want 10.1.1.3*Mar 4 19:22:19.704: AAA/AUTHOR/IPCP Vi1 (785695075): Port='Async53' list='' service=NET*Mar 4 19:22:19.708: AAA/AUTHOR/IPCP: Vi1 (785695075) send AV service=ppp*Mar 4 19:22:19.708: AAA/AUTHOR/IPCP: Vi1 (785695075) send AV protocol=ip*Mar 4 19:22:19.708: AAA/AUTHOR/IPCP: Vi1 (785695075) send AV addr*10.1.1.3*Mar 4 19:22:19.708: AAA/AUTHOR/IPCP (785695075) found list "default"*Mar 4 19:22:19.708: AAA/AUTHOR/IPCP: Vi1 (785695075) METHOD=RADIUS*Mar 4 19:22:19.708: RADIUS: Using NAS default peer*Mar 4 19:22:19.708: RADIUS: Authorize IP address 10.1.1.3*Mar 4 19:22:19.708: AAA/AUTHOR (785695075): Post authorization status = PASS_REPL*Mar 4 19:22:19.708: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:22:19.708: Vi1 AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.3*Mar 4 19:22:19.708: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:22:19.708: Vi1 AAA/AUTHOR/IPCP: Done. Her address 10.1.1.3, we want 10.1.1.3*Mar 4 19:22:19.708: Vi1 AAA/AUTHOR/PER-USER: Event IP_UP*Mar 4 19:22:19.708: Vi1 AAA/PER-USER: processing author params.*!--- PPP negotiation finished, user is connected.!--- User is connected on line 53, async interface 53 and vaccess 1. The "show caller" !--- command shows active time and idle time for this user in Cisco IOS 11.3(8.1)AA or later.*access-3#**show caller** Active Idle Line User Service Time Time tty 53 timeout Async 00:00:20 00:00:02 As53 timeout PPP 00:00:13 00:00:02 Vi1 timeout PPP VDP 00:00:13 00:00:11 *!--- The "show caller timeout" command shows the installed absolute and idle timeout as well !--- as how much time before the user is disconnected by any timeouts. Note the timeouts !--- only show up on the vaccess interface.* access-3#show caller timeouts Session Idle Disconnect Line User Timeout Timeout User in tty 53 timeout - - - As53 timeout - - - **Vi1 timeout 00:01:30 00:01:00 00:00:43** *!--- The "show caller user" command gives more detailed information about the user as well as !--- providing a breakdown of the active and idle time, absolute and idle timeout, !--- and time to disconnect for both idle and absolute timeout.*access-3#**show caller user timeout** User: timeout, line tty 53, service Async Active time 00:00:31, Idle time 00:00:12 Timeouts: Absolute Idle Idle Session Exec Limits: - - 00:10:00 Disconnect in: - - - TTY: Line 53, running PPP on As53 Location: MICA V.90 modems 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: No Flush-at-Activation, Hardware Flowcontrol In Hardware Flowcontrol Out, Modem Callout, Modem RI is CD Line usable as async interface, ARAP Permitted Integrated Modem Modem State: Ready User: timeout, line As53, service PPP Active time 00:00:23, Idle time 00:00:12 Timeouts: Absolute Idle Limits: - - Disconnect in: - - PPP: LCP Open, multilink Closed, CHAP (<- AAA) IP: Local 10.1.1.1 Counts: 35 packets input, 820 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 22 packets output, 517 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resets **User: timeout, line Vi1, service PPP VDP Active time 00:00:24, Idle time 00:00:22 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:01:05 00:00:37** PPP: LCP Open, multilink Closed, CHAP (<- none), IPCP, CCP Idle timer 60 secs, idle 22 secs IP: Local 10.1.1.1, remote 10.1.1.3 Access list (I/O) is 199/not set Counts: 24 packets input, 542 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 19 packets output, 167 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resetsaccess-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in tty 53 timeout - - - As53 timeout - - - Vi1 timeout 00:01:30 00:01:00 00:00:35 access-3#**show caller** Active Idle Line User Service Time Time tty 53 timeout Async 00:00:45 00:00:27 As53 timeout PPP 00:00:38 00:00:27 **Vi1 timeout PPP VDP 00:00:38 00:00:36***!--- User has been idle for 36 seconds and will be disconnected in 24 seconds. Let's !--- ping the user to see what happens.*access-3#**ping 10.1.1.3**Type escape sequence to abort.Sending 5, 100-byte ICMP Echos to 10.1.1.3, timeout is 2 seconds:!!!!!Success rate is 100 percent (5/5), round-trip min/avg/max = 92/108/132 ms*!--- Now the idle timer has been reset, so we won't disconnect the user for another !--- 58 seconds.*access-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in tty 53 timeout - - - As53 timeout - - - **Vi1 timeout 00:01:30 00:01:00 00:00:58***!--- Ping again to reset the idle timer.*access-3#**ping 10.1.1.3**Type escape sequence to abort.Sending 5, 100-byte ICMP Echos to 10.1.1.3, timeout is 2 seconds:!!!!!Success rate is 100 percent (5/5), round-trip min/avg/max = 96/98/108 ms*!--- But note, the disconnect timer did not go back to 1 minute. The reason is because the !--- absolute timer is going to start soon.*access-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in tty 53 timeout - - - As53 timeout - - - **Vi1 timeout 00:01:30 00:01:00**

**00:00:24** access-3#**show caller user timeout** User: timeout, line tty 53, service Async Active time 00:01:23, Idle time 00:00:11 Timeouts: Absolute Idle Idle Session Exec Limits: - - 00:10:00 Disconnect in: - - - TTY: Line 53, running PPP on As53 Location: MICA V.90 modems 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: No Flush-at-Activation, Hardware Flowcontrol In Hardware Flowcontrol Out, Modem Callout, Modem RI is CD Line usable as async interface, ARAP Permitted Integrated Modem Modem State: Ready User: timeout, line As53, service PPP Active time 00:01:15, Idle time 00:00:11 Timeouts: Absolute Idle Limits: - - Disconnect in: - - PPP: LCP Open, multilink Closed, CHAP (<- AAA) IP: Local 10.1.1.1 Counts: 45 packets input, 1161 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 32 packets output, 897 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resets User: timeout, line Vi1, service PPP VDP **Active time 00:01:16, Idle time 00:00:12 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:00:13 00:00:47** PPP: LCP Open, multilink Closed, CHAP (<- none), IPCP, CCP Idle timer 60 secs, idle 12 secs IP: Local 10.1.1.1, remote 10.1.1.3 Access list (I/O) is 199/not set Counts: 34 packets input, 883 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 39 packets output, 547 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resets!--- User is disconnected.*Mar 4 19:23:47.536: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to down*Mar 4 19:23:47.536: Vi1 VTEMPLATE: Free vaccess*Mar 4 19:23:47.540: As53 AAA/ACCT: non-ISDN xmit 50000 recv 28800 hwidb 613307E0 ttynum 53!--- Send accounting stop record, includes disc-cause 5 (session-timeout) and !--- disc-cause-ext 1100 (session-timeout).*Mar 4 19:23:47.540: AAA/ACCT/NET/STOP User timeout, Port Async53: task_id=9 timezone=PST service=ppp protocol=ip addr=10.1.1.3 disc-cause=5 disc-cause-ext=1100 pre-bytes-in=184 pre-bytes-out=330 pre-paks-in=7 pre-paks-out=11 bytes_in=950 bytes_out=567 paks_in=37 paks_out=21 pre-session-time=5 elapsed_time=91 nas-rx-speed=28800 nas-tx-speed=50000 *Mar 4 19:23:47.540: Vi1 AAA/AUTHOR/PER-USER: Event IP_DOWN*Mar 4 19:23:47.540: Vi1 AAA/AUTHOR/PER-USER: Event LCP_DOWN!--- Modem hangs up.*Mar 4 19:23:47.580: Mica Modem(1/28): State Transition to Terminating*Mar 4 19:23:47.640: Mica Modem(1/28): State Transition to Idle*Mar 4 19:23:47.640: Mica Modem(1/28): Went onhook*Mar 4 19:23:47.640: CSM_PROC_IC5_OC6_CONNECTED: CSM_EVENT_MODEM_ONHOOK at slot 1, port 28*Mar 4 19:23:47.640: VDEV_DEALLOCATE: slot 1 and port 28 is deallocated*Mar 4 19:23:47.640: ISDN Se0:23: Event: Hangup call to call id 0x3D *!--- ISDN call is terminated.*Mar 4 19:23:47.640: ISDN Se0:23: TX -> DISCONNECT pd = 8 callref = 0x8009*Mar 4 19:23:47.640: Cause i = 0x8090 - Normal call clearing *Mar 4 19:23:47.688: ISDN Se0:23: RX <- RELEASE pd = 8 callref = 0x09*Mar 4 19:23:47.696: ISDN Se0:23: TX -> RELEASE_COMP pd = 8 callref = 0x8009*Mar 4 19:23:47.744: TAC+: (866083896): received acct response status = SUCCESS*!--- Per-user timeouts are taken off the vaccess interface.*Mar 4 19:23:48.140: VTEMPLATE: Clean up dirty vaccess queue, size 1*Mar 4 19:23:48.140: Vi1 VTEMPLATE: Found a dirty vaccess clone with vtemplate/AAA*Mar 4 19:23:48.140: Vi1 VTEMPLATE: ********** UNCLONE VACCESS1 **********Mar 4 19:23:48.140: Vi1 VTEMPLATE: Unclone to-be-freed command#2**interface Virtual-Access1default ppp timeout idle 60default timeout absolute 1 30end***!--- vaccess interface is cleaned up.*Mar 4 19:23:48.160: Vi1 VTEMPLATE: Set default settings with no ip address*Mar 4 19:23:48.176: Vi1 VTEMPLATE: Remove cloneblk AAA with vtemplate/AAA*Mar 4 19:23:48.180: Vi1 VTEMPLATE: ********** UNCLONE VACCESS1 **********Mar 4 19:23:48.180: Vi1 VTEMPLATE: Unclone to-be-freed command#15interface Virtual-Access1default multilink max-links 2default ppp multilinkdefault ppp authentication chap pap ms-chapdefault ppp callback acceptdefault compress mppcdefault peer default ip address pool defaultdefault keepalivedefault ip nat insidedefault ip accounting output-packetsdefault ip directed-broadcastdefault ip helper-address 172.16.24.118default ip access-group 199 indefault ip unnumbered Loopback0default encap pppdefault ip addressend*Mar 4 19:23:48.264: Vi1 VTEMPLATE: Set default settings with no ip address*Mar 4 19:23:48.284: Vi1 VTEMPLATE: Remove cloneblk vtemplate with vtemplate/AAA*Mar 4 19:23:48.284: Vi1 VTEMPLATE: Add vaccess to recycle queue, queue SIZE=1*!--- Here is the call record for the user. Note the disconnect reason is Session-Timeout !--- (absolute timeout).*Mar 4 19:23:48.300: %CALLRECORD-3-MICA_TERSE_CALL_REC: DS0 slot/contr/chan=2/0/18, slot/port=1/28, call_id=3D, userid=timeout, ip=10.1.1.3, calling=(n/a), called=4085703932, std=K56Flx, prot=LAP-M, comp=V.42bis both, init-rx/tx b-rate=28800/50000, finl-rx/tx b-rate=28800/50000, rbs=0, d-pad=6 dB, retr=0, sq=3, snr=32, rx/tx chars=1274/1477, bad=4, rx/tx ec=45/61, bad=3, time=118, finl-state=Steady, disc(radius)=Session Timeout/Session Timeout, disc(modem)=DF03 Tx (host to line) data flushing - OK/Requested by host/DTR dropped*Mar 4 19:23:48.536: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1, changed state to down*Mar 4 19:23:49.536: As53 AAA/AUTHOR/PER-USER: Event LCP_DOWN

## ‘Llamada asincrónica con perfiles virtuales - la conexión se interrumpe por inactividad’

A continuación, hay una llamada asíncrona con perfiles virtuales. Tiene el mismo nombre de usuario que el ejemplo anterior. El perfil instala un tiempo de espera absoluto de 90 segundos y un tiempo de espera ocioso de 60 segundos. En este ejemplo, dejaremos que la conexión se interrumpa por inactividad. No hay comentarios abajo pero se ha resaltado una salida importante.

```
*Mar  4 19:24:38.768: ISDN Se0:23: RX <-  SETUP pd = 8  callref = 0x0A*Mar  4 19:24:38.768:
Bearer Capability i = 0x9090A2*Mar  4 19:24:38.768:         Channel ID i = 0xA98393*Mar  4
19:24:38.768:         Called Party Number i = 0xC1, '4085703932'*Mar  4 19:24:38.772: ISDN
Se0:23: TX ->  CALL_PROC pd = 8  callref = 0x800A*Mar  4 19:24:38.772:         Channel ID i =
0xA98393*Mar  4 19:24:38.772: ISDN Se0:23: TX ->  ALERTING pd = 8  callref = 0x800A*Mar  4
19:24:38.772: EVENT_FROM_ISDN::dchan_idb=0x6122CFCC, call_id=0x3E, ces=0x1   bchan=0x12,
event=0x1, cause=0x0*Mar  4 19:24:38.772: VDEV_ALLOCATE: slot 1 and port 29 is allocated.*Mar  4
19:24:38.772: EVENT_FROM_ISDN:(003E): DEV_INCALL at slot 1 and port 29*Mar  4 19:24:38.772:
CSM_PROC_IDLE: CSM_EVENT_ISDN_CALL at slot 1, port 29*Mar  4 19:24:38.772: Mica Modem(1/29):
Configure(0x1 = 0x0) *Mar  4 19:24:38.772: Mica Modem(1/29): Configure(0x23 = 0x0) *Mar  4
19:24:38.772: Mica Modem(1/29): Call Setup*Mar  4 19:24:38.908: Mica Modem(1/29): State
Transition to Call Setup*Mar  4 19:24:38.908: Mica Modem(1/29): Went offhook*Mar  4
19:24:38.908: CSM_PROC_IC1_RING: CSM_EVENT_MODEM_OFFHOOK at slot 1, port 29*Mar  4 19:24:38.912:
ISDN Se0:23: TX ->  CONNECT pd = 8  callref = 0x800A*Mar  4 19:24:38.972: ISDN Se0:23: RX <-
CONNECT_ACK pd = 8  callref = 0x0A*Mar  4 19:24:38.976: EVENT_FROM_ISDN::dchan_idb=0x6122CFCC,
call_id=0x3E, ces=0x1   bchan=0x12, event=0x4, cause=0x0*Mar  4 19:24:38.976:
EVENT_FROM_ISDN:(003E): DEV_CONNECTED at slot 1 and port 29*Mar  4 19:24:38.976:
CSM_PROC_IC4_WAIT_FOR_CARRIER: CSM_EVENT_ISDN_CONNECTED at slot 1, port 29*Mar  4 19:24:38.976:
Mica Modem(1/29): Link Initiate*Mar  4 19:24:40.060: Mica Modem(1/29): State Transition to
Connect*Mar  4 19:24:45.256: Mica Modem(1/29): State Transition to Link*Mar  4 19:24:56.796:
Mica Modem(1/29): State Transition to Trainup*Mar  4 19:24:59.996: Mica Modem(1/29): State
Transition to EC Negotiating*Mar  4 19:25:00.532: Mica Modem(1/29): State Transition to Steady
State*Mar  4 19:25:01.340: AAA: parse NAME=tty54 idb TYPE=10 tty=54*Mar  4 19:25:01.340: AAA:
NAME=tty54 flags=0x11 TYPE=4 shelf=0 slot=0 adapter=0 port=54 channel=0*Mar  4 19:25:01.340:
AAA: parse NAME=Serial0:18 idb TYPE=12 tty=-1*Mar  4 19:25:01.340: AAA: NAME=Serial0:18
flags=0x51 TYPE=1 shelf=0 slot=0 adapter=0 port=0 channel=18*Mar  4 19:25:02.544: As54 LCP:
Lower layer not up, Fast Starting*Mar  4 19:25:02.544: As54 PPP: Treating connection as a
dedicated line*Mar  4 19:25:02.544: As54 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar  4
19:25:04.744: As54 PPP: Phase is AUTHENTICATING, by this end*Mar  4 19:25:04.744: As54 CHAP: O
CHALLENGE id 1 len 26 from "STACK"*Mar  4 19:25:06.628: As54 AAA/AUTHOR/PER-USER: Event
LCP_DOWN*Mar  4 19:25:06.820: As54 PPP: Phase is AUTHENTICATING, by this end*Mar  4
19:25:06.820: As54 CHAP: O CHALLENGE id 2 len 26 from "STACK"*Mar  4 19:25:06.916: As54 CHAP: I
RESPONSE id 2 len 30 from "timeout"*Mar  4 19:25:06.916: AAA: parse NAME=Async54 idb TYPE=10
tty=54*Mar  4 19:25:06.916: AAA: NAME=Async54 flags=0x11 TYPE=4 shelf=0 slot=0 adapter=0 port=54
channel=0*Mar  4 19:25:06.916: AAA: parse NAME=Serial0:18 idb TYPE=12 tty=-1*Mar  4
19:25:06.916: AAA: NAME=Serial0:18 flags=0x51 TYPE=1 shelf=0 slot=0 adapter=0 port=0
channel=18*Mar  4 19:25:06.916: RADIUS: ustruct sharecount=1*Mar  4 19:25:06.916: RADIUS:
Initial Transmit Async54 id 1 172.16.24.117:1645, Access-Request, len 92*Mar  4 19:25:06.916:
Attribute 4 6 AC101874*Mar  4 19:25:06.916:         Attribute 5 6 00000036*Mar  4 19:25:06.916:
Attribute 61 6 00000000*Mar  4 19:25:06.916:         Attribute 1 11 74696D65*Mar  4
19:25:06.916:         Attribute 30 12 34303835*Mar  4 19:25:06.916:         Attribute 3 19
024525C7*Mar  4 19:25:06.916:         Attribute 6 6 00000002*Mar  4 19:25:06.916:
Attribute 7 6 00000001*Mar  4 19:25:06.924: RADIUS: Received from id 1 172.16.24.117:1645,
Access-Accept, len 50*Mar  4 19:25:06.924:         Attribute 6 6 00000002*Mar  4 19:25:06.924:
Attribute 7 6 00000001*Mar  4 19:25:06.924:         Attribute 8 6 FFFFFFFE*Mar 4 19:25:06.924:
Attribute 27 6 0000005A*Mar 4 19:25:06.928: Attribute 28 6 0000003C*Mar 4 19:25:06.928: As54
AAA/AUTHOR/LCP: Authorize LCP*Mar 4 19:25:06.928: AAA/AUTHOR/LCP As54 (2013841092):
Port='Async54' list='' service=NET*Mar 4 19:25:06.928: AAA/AUTHOR/LCP: As54 (2013841092) send AV
service=ppp*Mar 4 19:25:06.928: AAA/AUTHOR/LCP: As54 (2013841092) send AV protocol=lcp*Mar 4
19:25:06.928: AAA/AUTHOR/LCP (2013841092) found list "default"*Mar 4 19:25:06.928:
AAA/AUTHOR/LCP: As54 (2013841092) METHOD=RADIUS*Mar 4 19:25:06.928: AAA/AUTHOR (2013841092):
Post authorization status = PASS_REPL*Mar 4 19:25:06.928: As54 AAA/AUTHOR/LCP: Processing AV
service=ppp*Mar 4 19:25:06.928: As54 AAA/AUTHOR/LCP: Processing AV timeout=90*Mar 4
19:25:06.928: As54 AAA/AUTHOR/LCP: Processing AV idletime=60*Mar 4 19:25:06.928: AAA/AUTHOR/LCP
As54: Per-user interface config created:timeout absolute 1 30ppp timeout idle 60*Mar 4
19:25:06.928: As54 CHAP: O SUCCESS id 2 len 4*Mar 4 19:25:06.928: AAA/ACCT/NET/START User
timeout, Port Async54, List ""*Mar 4 19:25:06.928: AAA/ACCT/NET: Found list "default"*Mar 4
19:25:07.028: Vi1 VTEMPLATE: Reuse Vi1, recycle queue size 0*Mar 4 19:25:07.028: Vi1 VTEMPLATE:
```

Hardware address 00e0.1e81.636c*Mar 4 19:25:07.028: Vi1 VTEMPLATE: Has a new cloneblk vtemplate, now it has vtemplate*Mar 4 19:25:07.028: Vi1 VTEMPLATE: ********** CLONE VACCESS1 **********Mar 4 19:25:07.028: Vi1 VTEMPLATE: Clone from Virtual-Template1interface Virtual-Access1default ip addressno ip addressencap pppip unnumbered Loopback0ip access-group 199 inip helper-address 172.16.24.118no ip directed-broadcastip accounting output-packetsip nat insideno keepalivepeer default ip address pool defaultcompress mppcppp callback acceptppp authentication chap pap ms-chapppp multilinkmultilink max-links 2end*Mar 4 19:25:07.092: Vi1 CCP: Re-Syncing history using legacy method*Mar 4 19:25:07.108: Vi1 VTEMPLATE: Has a new cloneblk AAA, now it has vtemplate/AAA*Mar 4 19:25:07.108: Vi1 VTEMPLATE: ********** CLONE VACCESS1 **********`**Mar 4 19:25:07.108: Vi1 VTEMPLATE: Clone from AAAinterface Virtual-Access1timeout absolute 1 30ppp timeout idle 60end**`*Mar 4 19:25:07.120: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to up*Mar 4 19:25:07.124: Vi1 PPP: Treating connection as a dedicated line*Mar 4 19:25:07.124: Vi1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar 4 19:25:07.124: Vi1 AAA/AUTHOR/FSM: (0): Can we start IPCP?*Mar 4 19:25:07.124: AAA/AUTHOR/FSM Vi1 (3979277251): Port='Async54' list='' service=NET*Mar 4 19:25:07.124: AAA/AUTHOR/FSM: Vi1 (3979277251) send AV service=ppp*Mar 4 19:25:07.124: AAA/AUTHOR/FSM: Vi1 (3979277251) send AV protocol=ip*Mar 4 19:25:07.124: AAA/AUTHOR/FSM (3979277251) found list "default"*Mar 4 19:25:07.124: AAA/AUTHOR/FSM: Vi1 (3979277251) METHOD=RADIUS*Mar 4 19:25:07.124: RADIUS: Using NAS default peer*Mar 4 19:25:07.124: RADIUS: Authorize IP address 0.0.0.0*Mar 4 19:25:07.124: AAA/AUTHOR (3979277251): Post authorization status = PASS_REPL*Mar 4 19:25:07.124: Vi1 AAA/AUTHOR/FSM: We can start IPCP*Mar 4 19:25:07.124: Vi1 AAA/AUTHOR/FSM: (0): Can we start CCP?*Mar 4 19:25:07.124: AAA/AUTHOR/FSM Vi1 (1524934880): Port='Async54' list='' service=NET*Mar 4 19:25:07.124: AAA/AUTHOR/FSM: Vi1 (1524934880) send AV service=ppp*Mar 4 19:25:07.124: AAA/AUTHOR/FSM: Vi1 (1524934880) send AV protocol=ccp*Mar 4 19:25:07.128: AAA/AUTHOR/FSM (1524934880) found list "default"*Mar 4 19:25:07.128: AAA/AUTHOR/FSM: Vi1 (1524934880) METHOD=RADIUS*Mar 4 19:25:07.128: AAA/AUTHOR (1524934880): Post authorization status = PASS_REPL*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/FSM: We can start CCP*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/FSM: Check for unauthorized mandatory AV's*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/FSM: Processing AV service=ppp*Mar 4 19:25:07.128: Vi1 AAA/AUTHOR/FSM: Succeeded*Mar 4 19:25:07.236: Vi1 AAA/AUTHOR/FSM: Check for unauthorized mandatory AV's*Mar 4 19:25:07.236: Vi1 AAA/AUTHOR/FSM: Processing AV service=ppp*Mar 4 19:25:07.236: Vi1 AAA/AUTHOR/FSM: Succeeded*Mar 4 19:25:08.120: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1, changed state to up*Mar 4 19:25:10.124: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:25:10.124: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:25:10.124: Vi1 AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0*Mar 4 19:25:10.124: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:25:10.124: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:25:10.220: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:25:10.220: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:25:10.220: Vi1 AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0*Mar 4 19:25:10.220: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:25:10.220: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:25:10.316: Vi1 AAA/AUTHOR/IPCP: Start. Her address 10.1.1.3, we want 10.1.1.3*Mar 4 19:25:10.316: AAA/AUTHOR/IPCP Vi1 (2714455877): Port='Async54' list='' service=NET*Mar 4 19:25:10.316: AAA/AUTHOR/IPCP: Vi1 (2714455877) send AV service=ppp*Mar 4 19:25:10.316: AAA/AUTHOR/IPCP: Vi1 (2714455877) send AV protocol=ip*Mar 4 19:25:10.316: AAA/AUTHOR/IPCP: Vi1 (2714455877) send AV addr*10.1.1.3*Mar 4 19:25:10.316: AAA/AUTHOR/IPCP (2714455877) found list "default"*Mar 4 19:25:10.316: AAA/AUTHOR/IPCP: Vi1 (2714455877) METHOD=RADIUS*Mar 4 19:25:10.316: RADIUS: Using NAS default peer*Mar 4 19:25:10.320: RADIUS: Authorize IP address 10.1.1.3*Mar 4 19:25:10.320: AAA/AUTHOR (2714455877): Post authorization status = PASS_REPL*Mar 4 19:25:10.320: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:25:10.320: Vi1 AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.3*Mar 4 19:25:10.320: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:25:10.320: Vi1 AAA/AUTHOR/IPCP: Done. Her address 10.1.1.3, we want 10.1.1.3*Mar 4 19:25:10.320: Vi1 AAA/AUTHOR/PER-USER: Event IP_UP*Mar 4 19:25:10.320: Vi1 AAA/PER-USER: processing author params.access-3#**show caller** Active Idle Line User Service Time Time tty 54 timeout Async 00:00:17 00:00:01 As54 timeout PPP 00:00:10 00:00:01 **Vi1 timeout PPP VDP 00:00:10 00:00:08** access-3#**show caller** Active Idle Line User Service Time Time tty 54 timeout Async 00:00:27 00:00:11 As54 timeout PPP 00:00:20 00:00:11 **Vi1 timeout PPP VDP 00:00:20 00:00:18** access-3#**show caller user timeout** User: timeout, line tty 54, service Async Active time 00:00:49, Idle time 00:00:34 Timeouts: Absolute Idle Idle Session Exec Limits: - - 00:10:00 Disconnect in: - - - TTY: Line 54, running PPP on As54 Location: MICA V.90 modems 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: No Flush-at-Activation, Hardware Flowcontrol In Hardware Flowcontrol Out, Modem Callout, Modem RI is CD Line usable as async interface, ARAP Permitted Integrated Modem Modem State: Ready User: timeout, line As54, service PPP Active time 00:00:43, Idle time 00:00:34 Timeouts: Absolute Idle Limits: - - Disconnect in: - - PPP: LCP Open, multilink Closed, CHAP (<- AAA) IP: Local 10.1.1.1 Counts: 35 packets input, 824 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 22 packets output, 517 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resets User: timeout, line Vi1, service PPP VDP **Active time 00:00:43, Idle time 00:00:41 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:00:45 00:00:18** PPP: LCP Open, multilink Closed, CHAP (<- none), IPCP, CCP Idle timer 60 secs, idle 41 secs IP: Local 10.1.1.1, remote 10.1.1.3 Access list (I/O) is 199/not set Counts: 24 packets input, 546 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 19 packets output, 167 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resetsaccess-3#**show caller timeouts** Session Idle Disconnect Line User Timeout Timeout User in tty 54 timeout - - - As54 timeout - - - **Vi1 timeout 00:01:30 00:01:00 00:00:05 *Mar 4 19:26:10.320: Vi1 PPP: Idle timeout, dropping connection***Mar 4 19:26:10.320: As54 AAA/ACCT: non-ISDN xmit 50000 recv 28800 hwidb 613360C8 ttynum 54*Mar 4 19:26:10.320: AAA/ACCT/NET/STOP User timeout, Port Async54: task_id=10 timezone=PST service=ppp protocol=ip addr=10.1.1.3 disc-cause=4 **disc-cause-ext=1021** pre-bytes-in=184 pre-bytes-out=330 pre-paks-in=7 pre-paks-out=11 bytes_in=613 bytes_out=187 paks_in=27 paks_out=11 pre-session-time=4 elapsed_time=63 nas-rx-speed=28800 nas-tx-speed=50000 *Mar 4 19:26:10.320: Vi1 AAA/AUTHOR/PER-USER: Event IP_DOWN*Mar 4 19:26:10.324: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to down*Mar 4 19:26:10.324: Vi1 VTEMPLATE: Free vaccess*Mar 4 19:26:10.328: Vi1 AAA/AUTHOR/PER-USER: Event LCP_DOWN*Mar 4 19:26:10.376: Mica Modem(1/29): State Transition to Terminating*Mar 4 19:26:10.436: Mica Modem(1/29): State Transition to Idle*Mar 4 19:26:10.436: Mica Modem(1/29): Went onhook*Mar 4 19:26:10.436: CSM_PROC_IC5_OC6_CONNECTED: CSM_EVENT_MODEM_ONHOOK at slot 1, port 29*Mar 4 19:26:10.440: VDEV_DEALLOCATE: slot 1 and port 29 is deallocated*Mar 4 19:26:10.440: ISDN Se0:23: Event: Hangup call to call id 0x3E *Mar 4 19:26:10.440: ISDN Se0:23: TX -> DISCONNECT pd = 8 callref = 0x800A*Mar 4 19:26:10.440: Cause i = 0x8090 - Normal call clearing *Mar 4 19:26:10.488: ISDN Se0:23: RX <- RELEASE pd = 8 callref = 0x0A*Mar 4 19:26:10.496: ISDN Se0:23: TX -> RELEASE_COMP pd = 8 callref = 0x800A*Mar 4 19:26:10.528: TAC+: (2047544826): received acct response status = SUCCESS*Mar 4 19:26:11.180: VTEMPLATE: Clean up dirty vaccess queue, size 1*Mar 4 19:26:11.180: Vi1 VTEMPLATE: Found a dirty vaccess clone with vtemplate/AAA*Mar 4 19:26:11.180: Vi1 VTEMPLATE: ********** UNCLONE VACCESS1 **********Mar 4 19:26:11.180: Vi1 VTEMPLATE: Unclone to-be-freed command#2**interface Virtual-Access1default ppp timeout idle 60default timeout absolute 1 30end***Mar 4 19:26:11.200: Vi1 VTEMPLATE: Set default settings with no ip address*Mar 4 19:26:11.216: Vi1 VTEMPLATE: Remove cloneblk AAA with vtemplate/AAA*Mar 4 19:26:11.216: Vi1 VTEMPLATE: ********** UNCLONE VACCESS1 **********Mar 4 19:26:11.216: Vi1 VTEMPLATE: Unclone to-be-freed command#15interface Virtual-Access1default multilink max-links 2default ppp multilinkdefault ppp authentication chap pap ms-chapdefault ppp callback acceptdefault compress mppcdefault peer default ip address pool defaultdefault keepalivedefault ip nat insidedefault ip accounting output-packetsdefault ip directed-broadcastdefault ip helper-address 172.16.24.118default ip access-group 199 indefault ip unnumbered Loopback0default encap pppdefault ip addressend*Mar 4 19:26:11.304: Vi1 VTEMPLATE: Set default settings with no ip address*Mar 4 19:26:11.324: Vi1 VTEMPLATE: Remove cloneblk vtemplate with vtemplate/AAA*Mar 4 19:26:11.324: Vi1 VTEMPLATE: Add vaccess to recycle queue, queue SIZE=1*Mar 4 19:26:11.324: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1, changed state to down*Mar 4 19:26:11.460: Mica Modem(1/29): State Transition to Terminating*Mar 4 19:26:11.520: Mica Modem(1/29): State Transition to Idle*Mar 4 19:26:12.200: %CALLRECORD-3-MICA_TERSE_CALL_REC: DS0 slot/contr/chan=2/0/18, slot/port=1/29, call_id=3E, userid=timeout, ip=10.1.1.3, calling=(n/a), called=4085703932, std=K56Flx, prot=LAP-M, comp=V.42bis both, init-rx/tx b-rate=28800/50000, finl-rx/tx b-rate=28800/50000, rbs=0, d-pad=6 dB, retr=0, sq=3, snr=34, rx/tx chars=918/1138, bad=5, rx/tx ec=35/47, bad=0, time=90, finl-state=Steady, **disc(radius)=Idle Timeout/Idle Timeout**, disc(modem)=DF03 Tx (host to line) data flushing - OK/Requested by host/DTR dropped*Mar 4 19:26:12.320: As54 AAA/AUTHOR/PER-USER: Event LCP_DOWN

## Llamada asíncrona sin perfiles virtuales

A continuación, hay una llamada asíncrona sin perfiles virtuales activos. Observe que se usa el comando dialer idle-timeout en vez del comando ppp timeout idle, ya que no estamos usando perfiles virtuales y no hay interfaz de acceso virtual. Usted también nos verá crear el **comando per-user timeout** y, al mismo tiempo, la **ninguna** versión de los comandos. **Los comandos per-user timer** están instalados inmediatamente, mientras que no se envía a la cola la **ninguna** versión de

los comandos a la interfaz que se procesará cuando las desconexiones del usuario.

*Mar  4 19:30:28.420: ISDN Se0:23: RX <-  SETUP pd = 8  callref = 0x06*Mar  4 19:30:28.420: Bearer Capability i = 0x9090A2*Mar  4 19:30:28.420:         Channel ID i = 0xA98393*Mar  4 19:30:28.420:         Called Party Number i = 0xC1, '4085703932'*Mar  4 19:30:28.420: ISDN Se0:23: TX ->  CALL_PROC pd = 8  callref = 0x8006*Mar  4 19:30:28.420:         Channel ID i = 0xA98393*Mar  4 19:30:28.424: ISDN Se0:23: TX ->  ALERTING pd = 8  callref = 0x8006*Mar  4 19:30:28.424: EVENT_FROM_ISDN::dchan_idb=0x6122CFCC, call_id=0x40, ces=0x1   bchan=0x12, event=0x1, cause=0x0*Mar  4 19:30:28.424: VDEV_ALLOCATE: slot 1 and port 2 is allocated.*Mar  4 19:30:28.424: EVENT_FROM_ISDN:(0040): DEV_INCALL at slot 1 and port 2*Mar  4 19:30:28.424: CSM_PROC_IDLE: CSM_EVENT_ISDN_CALL at slot 1, port 2*Mar  4 19:30:28.424: Mica Modem(1/2): Configure(0x1 = 0x0) *Mar  4 19:30:28.424: Mica Modem(1/2): Configure(0x23 = 0x0) *Mar  4 19:30:28.424: Mica Modem(1/2): Call Setup*Mar  4 19:30:28.552: Mica Modem(1/2): State Transition to Call Setup*Mar  4 19:30:28.552: Mica Modem(1/2): Went offhook*Mar  4 19:30:28.552: CSM_PROC_IC1_RING: CSM_EVENT_MODEM_OFFHOOK at slot 1, port 2*Mar  4 19:30:28.552: ISDN Se0:23: TX ->  CONNECT pd = 8  callref = 0x8006*Mar  4 19:30:28.604: ISDN Se0:23: RX <-  CONNECT_ACK pd = 8  callref = 0x06*Mar  4 19:30:28.604: EVENT_FROM_ISDN::dchan_idb=0x6122CFCC, call_id=0x40, ces=0x1   bchan=0x12, event=0x4, cause=0x0*Mar  4 19:30:28.604: EVENT_FROM_ISDN:(0040): DEV_CONNECTED at slot 1 and port 2*Mar  4 19:30:28.604: CSM_PROC_IC4_WAIT_FOR_CARRIER: CSM_EVENT_ISDN_CONNECTED at slot 1, port 2*Mar  4 19:30:28.604: Mica Modem(1/2): Link Initiate*Mar  4 19:30:29.692: Mica Modem(1/2): State Transition to Connect*Mar  4 19:30:34.888: Mica Modem(1/2): State Transition to Link*Mar  4 19:30:46.408: Mica Modem(1/2): State Transition to Trainup*Mar  4 19:30:49.612: Mica Modem(1/2): State Transition to EC Negotiating*Mar  4 19:30:50.156: Mica Modem(1/2): State Transition to Steady State*Mar  4 19:30:50.592: AAA: parse NAME=tty27 idb TYPE=10 tty=27*Mar  4 19:30:50.592: AAA: NAME=tty27 flags=0x11 TYPE=4 shelf=0 slot=0 adapter=0 port=27 channel=0*Mar  4 19:30:50.592: AAA: parse NAME=Serial0:18 idb TYPE=12 tty=-1*Mar  4 19:30:50.592: AAA: NAME=Serial0:18 flags=0x51 TYPE=1 shelf=0 slot=0 adapter=0 port=0 channel=18*Mar  4 19:30:51.792: As27 LCP: Lower layer not up, Fast Starting*Mar  4 19:30:51.792: As27 PPP: Treating connection as a callin*Mar  4 19:30:51.792: As27 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar  4 19:30:57.468: As27 PPP: Phase is AUTHENTICATING, by this end*Mar  4 19:30:57.468: As27 CHAP: O CHALLENGE id 1 len 26 from "STACK"*Mar  4 19:30:57.564: As27 CHAP: I RESPONSE id 1 len 30 from "timeout"*Mar  4 19:30:57.564: AAA: parse NAME=Async27 idb TYPE=10 tty=27*Mar  4 19:30:57.564: AAA: NAME=Async27 flags=0x11 TYPE=4 shelf=0 slot=0 adapter=0 port=27 channel=0*Mar  4 19:30:57.564: AAA: parse NAME=Serial0:18 idb TYPE=12 tty=-1*Mar  4 19:30:57.564: AAA: NAME=Serial0:18 flags=0x51 TYPE=1 shelf=0 slot=0 adapter=0 port=0 channel=18*Mar  4 19:30:57.564: RADIUS: ustruct sharecount=1*Mar 4 19:30:57.564: RADIUS: Initial Transmit Async27 id 3 172.16.24.117:1645, Access-Request, len 92*Mar  4 19:30:57.564:         Attribute 4 6 AC101874*Mar  4 19:30:57.564:         Attribute 5 6 0000001B*Mar  4 19:30:57.564:         Attribute 61 6 00000000*Mar  4 19:30:57.564:         Attribute 1 11 74696D65*Mar  4 19:30:57.564:         Attribute 30 12 34303835*Mar  4 19:30:57.564:         Attribute 3 19 01E5C3F6*Mar  4 19:30:57.564:         Attribute 6 6 00000002*Mar  4 19:30:57.564:         Attribute 7 6 00000001*Mar  4 19:30:57.572: RADIUS: Received from id 3 172.16.24.117:1645, Access-Accept, len 50*Mar  4 19:30:57.572:         Attribute 6 6 00000002*Mar  4 19:30:57.572:         Attribute 7 6 00000001*Mar  4 19:30:57.572:         Attribute 8 6 FFFFFFFE**Mar 4 19:30:57.572: Attribute 27 6 0000005A*Mar 4 19:30:57.572: Attribute 28 6 0000003C***Mar 4 19:30:57.572: As27 AAA/AUTHOR/LCP: Authorize LCP*Mar 4 19:30:57.572: AAA/AUTHOR/LCP As27 (1969884263): Port='Async27' list='' service=NET*Mar 4 19:30:57.572: AAA/AUTHOR/LCP: As27 (1969884263) send AV service=ppp*Mar 4 19:30:57.572: AAA/AUTHOR/LCP: As27 (1969884263) send AV protocol=lcp*Mar 4 19:30:57.572: AAA/AUTHOR/LCP (1969884263) found list "default"*Mar 4 19:30:57.572: AAA/AUTHOR/LCP: As27 (1969884263) METHOD=RADIUS*Mar 4 19:30:57.572: AAA/AUTHOR (1969884263): Post authorization status = PASS_REPL*Mar 4 19:30:57.572: As27 AAA/AUTHOR/LCP: Processing AV service=ppp**Mar 4 19:30:57.572: As27 AAA/AUTHOR/LCP: Processing AV timeout=90*Mar 4 19:30:57.572: As27 AAA/AUTHOR: Parse 'interface Async27'*Mar 4 19:30:57.576: As27 AAA/AUTHOR: Parse returned ok (0)*Mar 4 19:30:57.576: As27 AAA/AUTHOR: Parse 'timeout absolute 1 30'*Mar 4 19:30:57.580: As27 AAA/AUTHOR: Parse returned ok (0)*Mar 4 19:30:57.580: As27 AAA/AUTHOR: enqueue peruser LCP txt=interface Async27no timeout absolute*Mar 4 19:30:57.580: As27 AAA/AUTHOR/LCP: Processing AV idletime=60*Mar 4 19:30:57.580: As27 AAA/AUTHOR: Parse 'interface Async27'*Mar 4 19:30:57.584: As27 AAA/AUTHOR: Parse returned ok (0)*Mar 4 19:30:57.584: As27 AAA/AUTHOR: Parse 'dialer idle-timeout 60'*Mar 4 19:30:57.588: As27 AAA/AUTHOR: Parse returned ok (0)*Mar 4 19:30:57.588: As27 AAA/AUTHOR: enqueue peruser LCP txt=interface Async27no dialer idle-timeout***Mar 4 19:30:57.588: As27 CHAP: O SUCCESS id 1 len 4*Mar 4 19:30:57.588: AAA/ACCT/NET/START User timeout, Port Async27, List ""*Mar 4 19:30:57.588: AAA/ACCT/NET: Found list "default"*Mar 4 19:30:57.692: As27 AAA/AUTHOR/FSM: (0): Can we start

IPCP?*Mar 4 19:30:57.692: AAA/AUTHOR/FSM As27 (2088523207): Port='Async27' list='' service=NET*Mar 4 19:30:57.692: AAA/AUTHOR/FSM: As27 (2088523207) send AV service=ppp*Mar 4 19:30:57.692: AAA/AUTHOR/FSM: As27 (2088523207) send AV protocol=ip*Mar 4 19:30:57.692: AAA/AUTHOR/FSM (2088523207) found list "default"*Mar 4 19:30:57.692: AAA/AUTHOR/FSM: As27 (2088523207) METHOD=RADIUS*Mar 4 19:30:57.692: RADIUS: Using NAS default peer*Mar 4 19:30:57.692: RADIUS: Authorize IP address 10.1.1.6*Mar 4 19:30:57.692: AAA/AUTHOR (2088523207): Post authorization status = PASS_REPL*Mar 4 19:30:57.692: As27 AAA/AUTHOR/FSM: We can start IPCP*Mar 4 19:30:57.784: As27 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.6*Mar 4 19:30:57.788: As27 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:30:57.788: As27 AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.6*Mar 4 19:30:57.788: As27 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:30:57.788: As27 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.1.1.6*Mar 4 19:31:00.792: As27 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.6*Mar 4 19:31:00.792: As27 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:31:00.792: As27 AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.6*Mar 4 19:31:00.792: As27 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:31:00.792: As27 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.1.1.6*Mar 4 19:31:00.884: As27 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.6*Mar 4 19:31:00.884: As27 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:31:00.884: As27 AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.6*Mar 4 19:31:00.884: As27 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:31:00.888: As27 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.1.1.6*Mar 4 19:31:00.984: As27 AAA/AUTHOR/IPCP: Start. Her address 10.1.1.6, we want 10.1.1.6*Mar 4 19:31:00.984: As27 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:31:00.984: As27 AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.6*Mar 4 19:31:00.984: As27 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:31:00.984: As27 AAA/AUTHOR/IPCP: Done. Her address 10.1.1.6, we want 10.1.1.6*Mar 4 19:31:00.984: As27 AAA/AUTHOR/PER-USER: Event IP_UP*Mar 4 19:31:00.984: As27 AAA/PER-USER: processing author params.access-3#**show caller** Active Idle Line User Service Time Time tty 27 timeout Async 00:00:23 00:00:04 As27 timeout PPP 00:00:22 00:00:20 access-3#**show caller user timeout** User: timeout, line tty 27, service Async Active time 00:00:28, Idle time 00:00:08 Timeouts: Absolute Idle Idle Session Exec Limits: - - 00:10:00 Disconnect in: - - - TTY: Line 27, running PPP on As27 Location: MICA V.90 modems 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: No Flush-at-Activation, Hardware Flowcontrol In Hardware Flowcontrol Out, Modem Callout, Modem RI is CD Line usable as async interface, ARAP Permitted Integrated Modem Modem State: Ready User: timeout, line As27, service PPP **Active time 00:00:27, Idle time 00:00:25 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:01:09 00:00:34** PPP: LCP Open, multilink Closed, CHAP (<- AAA), IPCP Dialer: Connected, inbound Idle timer 60 secs, idle 25 secs Type is IN-BAND ASYNC, group Async27 IP: Local 10.1.1.1, remote 10.1.1.6 Counts: 31 packets input, 1642 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 15 packets output, 347 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resetsaccess-3#**show caller timeouts** Session Idle Disconnect Line User Timeout Timeout User in tty 27 timeout - - - As27 timeout 00:01:30 00:01:00 00:00:22 access-3#**show caller timeouts** Session Idle Disconnect Line User Timeout Timeout User in tty 27 timeout - - - As27 timeout 00:01:30 00:01:00 00:00:07 access-3#*Mar 4 19:31:53.824: Mica Modem(1/2): State Transition to Terminating*Mar 4 19:31:53.884: Mica Modem(1/2): State Transition to Idle*Mar 4 19:31:53.884: Mica Modem(1/2): Went onhook*Mar 4 19:31:53.884: CSM_PROC_IC5_OC6_CONNECTED: CSM_EVENT_MODEM_ONHOOK at slot 1, port 2*Mar 4 19:31:53.884: VDEV_DEALLOCATE: slot 1 and port 2 is deallocated*Mar 4 19:31:53.888: ISDN Se0:23: Event: Hangup call to call id 0x40 *Mar 4 19:31:53.888: ISDN Se0:23: TX -> DISCONNECT pd = 8 callref = 0x8006*Mar 4 19:31:53.888: Cause i = 0x8090 - Normal call clearing *Mar 4 19:31:53.940: ISDN Se0:23: RX <- RELEASE pd = 8 callref = 0x06*Mar 4 19:31:53.952: ISDN Se0:23: TX -> RELEASE_COMP pd = 8 callref = 0x8006*Mar 4 19:31:55.792: As27 AAA/ACCT: non-ISDN xmit 50000 recv 28800 hwidb 611CEBC0 ttynum 27*Mar 4 19:31:55.792: AAA/ACCT/NET/STOP User timeout, Port Async27: task_id=12 timezone=PST service=ppp protocol=ip addr=10.1.1.6 **disc-cause=4 disc-cause-ext=1021** pre-bytes-in=135 pre-bytes-out=176 pre-paks-in=5 pre-paks-out=6 bytes_in=1480 bytes_out=171 paks_in=25 paks_out=9 pre-session-time=6 elapsed_time=58 nas-rx-speed=28800 nas-tx-speed=50000 *Mar 4 19:31:55.792: As27 AAA/AUTHOR/PER-USER: Event IP_DOWN*Mar 4 19:31:55.792: As27 AAA/AUTHOR/PER-USER: Event LCP_DOWN**Mar 4 19:31:55.792: As27 AAA/AUTHOR: down_event: peruser LCP txt=interface Async27no timeout absolute*Mar 4 19:31:55.796: As27 AAA/AUTHOR: Parse 'interface Async27'*Mar 4 19:31:55.800: As27 AAA/AUTHOR: Parse returned ok (0)*Mar 4 19:31:55.800: As27 AAA/AUTHOR: Parse 'no timeout absolute'*Mar 4 19:31:55.804: As27 AAA/AUTHOR: Parse returned ok (0)*Mar 4 19:31:55.804: As27 AAA/AUTHOR: free peruser LCP txt=interface Async27no timeout absolute*Mar 4 19:31:55.804: As27 AAA/AUTHOR: down_event: peruser LCP txt=interface Async27no dialer idle-timeout*Mar 4 19:31:55.804: As27 AAA/AUTHOR: Parse 'interface Async27'*Mar 4 19:31:55.808: As27 AAA/AUTHOR: Parse returned ok (0)*Mar 4 19:31:55.808: As27 AAA/AUTHOR: Parse 'no dialer idle-timeout'*Mar 4 19:31:55.812: As27 AAA/AUTHOR: Parse returned ok (0)*Mar 4 19:31:55.812: As27**

**AAA/AUTHOR: free peruser LCP txt=interface Async27no dialer idle-timeout***Mar 4 19:31:56.016: TAC+: (3633056702): received acct response status = SUCCESS*Mar 4 19:32:00.308: %CALLRECORD-3-MICA_TERSE_CALL_REC: DS0 slot/contr/chan=2/0/18, slot/port=1/2, call_id=40, userid=timeout, ip=10.1.1.6, calling=(n/a), called=4085703932, std=K56Flx, prot=LAP-M, comp=V.42bis both, init-rx/tx b-rate=28800/50000, finl-rx/tx b-rate=28800/50000, rbs=0, d-pad=6 dB, retr=0, sq=3, snr=28, rx/tx chars=1727/995, bad=2, rx/tx ec=31/36, bad=0, time=84, finl-state=Steady, **disc(radius)=Idle Timeout/Idle Timeout**, disc(modem)=DF03 Tx (host to line) data flushing - OK/Requested by host/DTR dropped

## Llamada ISDN con links múltiples de un solo canal sin perfiles virtuales

Abajo está una llamada ISDN del multilink sin los Perfiles virtuales habilitados. Dado que una llamada multilink crea una interfaz de acceso virtual, puede ser instalada con facilidad.

*Mar 4 19:41:12.208: ISDN Se0:23: RX <- SETUP pd = 8 callref = 0x08*Mar 4 19:41:12.212: Bearer Capability i = 0x8890*Mar 4 19:41:12.212: Channel ID i = 0xA98393*Mar 4 19:41:12.212: Calling Party Number i = '!', 0x80, '4085551200'*Mar 4 19:41:12.212: Called Party Number i = 0xA1, '4085703930'*Mar 4 19:41:12.212: ISDN Se0:23: TX -> CALL_PROC pd = 8 callref = 0x8008*Mar 4 19:41:12.212: Channel ID i = 0xA98393*Mar 4 19:41:12.224: ISDN Se0:23: TX -> CONNECT pd = 8 callref = 0x8008*Mar 4 19:41:12.224: Channel ID i = 0xA98393*Mar 4 19:41:12.296: ISDN Se0:23: RX <- CONNECT_ACK pd = 8 callref = 0x08*Mar 4 19:41:12.536: Se0:18 PPP: Treating connection as a callin*Mar 4 19:41:12.536: Se0:18 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar 4 19:41:14.536: Se0:18 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar 4 19:41:14.552: Se0:18 PPP: Phase is AUTHENTICATING, by this end*Mar 4 19:41:14.552: Se0:18 CHAP: O CHALLENGE id 1 len 26 from "STACK"*Mar 4 19:41:14.584: Se0:18 CHAP: I RESPONSE id 1 len 30 from "timeout"*Mar 4 19:41:14.964: Se0:18 CHAP: I RESPONSE id 1 len 30 from "timeout"*Mar 4 19:41:14.964: AAA: parse NAME=Serial0:18 idb TYPE=12 tty=-1*Mar 4 19:41:14.964: AAA: NAME=Serial0:18 flags=0x51 TYPE=1 shelf=0 slot=0 adapter=0 port=0 channel=18*Mar 4 19:41:14.964: AAA: parse NAME= idb TYPE=-1 tty=-1*Mar 4 19:41:14.964: RADIUS: ustruct sharecount=1*Mar 4 19:41:14.964: RADIUS: Initial Transmit Serial0:18 id 4 172.16.24.117:1645, Access-Request, len 104*Mar 4 19:41:14.964: Attribute 4 6 AC101874*Mar 4 19:41:14.964: Attribute 5 6 00004E32*Mar 4 19:41:14.964: Attribute 61 6 00000002*Mar 4 19:41:14.964: Attribute 1 11 74696D65*Mar 4 19:41:14.964: Attribute 30 12 34303835*Mar 4 19:41:14.964: Attribute 31 12 34303835*Mar 4 19:41:14.964: Attribute 3 19 012C4E14*Mar 4 19:41:14.964: Attribute 6 6 00000002*Mar 4 19:41:14.964: Attribute 7 6 00000001*Mar 4 19:41:14.972: RADIUS: Received from id 4 172.16.24.117:1645, Access-Accept, len 50*Mar 4 19:41:14.972: Attribute 6 6 00000002*Mar 4 19:41:14.972: Attribute 7 6 00000001*Mar 4 19:41:14.972: Attribute 8 6 FFFFFFFE**Mar 4 19:41:14.972: Attribute 27 6 0000005A*Mar 4 19:41:14.972: Attribute 28 6 0000003C***Mar 4 19:41:14.976: Se0:18 AAA/AUTHOR/LCP: Authorize LCP*Mar 4 19:41:14.976: AAA/AUTHOR/LCP Se0:18 (4039479425): Port='Serial0:18' list='' service=NET*Mar 4 19:41:14.976: AAA/AUTHOR/LCP: Se0:18 (4039479425) send AV service=ppp*Mar 4 19:41:14.976: AAA/AUTHOR/LCP: Se0:18 (4039479425) send AV protocol=lcp*Mar 4 19:41:14.976: AAA/AUTHOR/LCP (4039479425) found list "default"*Mar 4 19:41:14.976: AAA/AUTHOR/LCP: Se0:18 (4039479425) METHOD=RADIUS*Mar 4 19:41:14.976: AAA/AUTHOR (4039479425): Post authorization status = PASS_REPL*Mar 4 19:41:14.976: Se0:18 AAA/AUTHOR/LCP: Processing AV service=ppp**Mar 4 19:41:14.976: Se0:18 AAA/AUTHOR/LCP: Processing AV timeout=90*Mar 4 19:41:14.976: Se0:18 AAA/AUTHOR/LCP: Processing AV idletime=60*Mar 4 19:41:14.976: AAA/AUTHOR/LCP Se0:18: Per-user interface config created:timeout absolute 1 30ppp timeout idle 60***Mar 4 19:41:14.976: Se0:18 CHAP: O SUCCESS id 1 len 4*Mar 4 19:41:14.976: AAA/ACCT/NET/START User timeout, Port Serial0:18, List ""*Mar 4 19:41:14.976: AAA/ACCT/NET: Found list "default"*Mar 4 19:41:14.976: AAA/AUTHOR/MLP Se0:18 (1966034416): Port='Serial0:18' list='' service=NET*Mar 4 19:41:14.976: AAA/AUTHOR/MLP: Se0:18 (1966034416) send AV service=ppp*Mar 4 19:41:14.976: AAA/AUTHOR/MLP: Se0:18 (1966034416) send AV protocol=multilink*Mar 4 19:41:14.976: AAA/AUTHOR/MLP (1966034416) found list "default"*Mar 4 19:41:14.976: AAA/AUTHOR/MLP: Se0:18 (1966034416) METHOD=RADIUS*Mar 4 19:41:14.976: AAA/AUTHOR (1966034416): Post authorization status = PASS_REPL*Mar 4 19:41:14.976: Vi1 VTEMPLATE: Reuse Vi1, recycle queue size 0*Mar 4 19:41:14.980: Vi1 VTEMPLATE: Hardware address 00e0.1e81.636c*Mar 4 19:41:14.980: Vi1 VTEMPLATE: Has a new cloneblk dialer, now it has dialer*Mar 4 19:41:14.980: Vi1 VTEMPLATE: Has a new cloneblk AAA, now it has dialer/AAA*Mar 4 19:41:14.980: Vi1 VTEMPLATE: ********** CLONE VACCESS1 **********Mar 4 19:41:14.980: Vi1 VTEMPLATE: Clone from AAAinterface Virtual-Access1timeout absolute 1 30ppp timeout idle 60end*Mar 4 19:41:14.996: Vi1 PPP: Treating connection as a callin*Mar 4 19:41:14.996: AAA/AUTHOR/MLP Vi1: Processing AV service=ppp*Mar 4 19:41:15.000: Vi1 AAA/AUTHOR/FSM: (0): Can we start IPCP?*Mar 4 19:41:15.000:

AAA/AUTHOR/FSM Vi1 (921779905): Port='Serial0:18' list='' service=NET*Mar 4 19:41:15.000: AAA/AUTHOR/FSM: Vi1 (921779905) send AV service=ppp*Mar 4 19:41:15.000: AAA/AUTHOR/FSM: Vi1 (921779905) send AV protocol=ip*Mar 4 19:41:15.000: AAA/AUTHOR/FSM (921779905) found list "default"*Mar 4 19:41:15.000: AAA/AUTHOR/FSM: Vi1 (921779905) METHOD=RADIUS*Mar 4 19:41:15.000: RADIUS: Using NAS default peer*Mar 4 19:41:15.000: RADIUS: Authorize IP address 0.0.0.0*Mar 4 19:41:15.000: AAA/AUTHOR (921779905): Post authorization status = PASS_REPL*Mar 4 19:41:15.000: Vi1 AAA/AUTHOR/FSM: We can start IPCP*Mar 4 19:41:15.000: Vi1 AAA/AUTHOR/FSM: (0): Can we start CDPCP?*Mar 4 19:41:15.000: AAA/AUTHOR/FSM Vi1 (3065122210): Port='Serial0:18' list='' service=NET*Mar 4 19:41:15.000: AAA/AUTHOR/FSM: Vi1 (3065122210) send AV service=ppp*Mar 4 19:41:15.000: AAA/AUTHOR/FSM: Vi1 (3065122210) send AV protocol=cdp*Mar 4 19:41:15.000: AAA/AUTHOR/FSM (3065122210) found list "default"*Mar 4 19:41:15.000: AAA/AUTHOR/FSM: Vi1 (3065122210) METHOD=RADIUS*Mar 4 19:41:15.000: AAA/AUTHOR (3065122210): Post authorization status = PASS_REPL*Mar 4 19:41:15.000: Vi1 AAA/AUTHOR/FSM: We can start CDPCPaccess-3#**show caller** Active Idle Line User Service Time Time Se0:18 timeout PPP 00:00:19 00:00:00 **Vi1 timeout PPP Bundle 00:00:19 00:00:20** access-3#**show caller user timeout** User: timeout, line Se0:18, service PPP Active time 00:00:25, Idle time 00:00:00 Timeouts: Absolute Idle Limits: - - Disconnect in: - - PPP: LCP Open, multilink Open, CHAP (<- AAA) Dialer: Connected to 4085551200, inbound Type is ISDN, group Serial0:23 IP: Local 10.1.1.1 Access list (I/O) is 199/not set Bundle: Member of timeout/timeout, last input 00:00:00 Counts: 13 packets input, 279 bytes, 0 no buffer 11 input errors, 2 CRC, 3 frame, 0 overrun 23 packets output, 431 bytes, 0 underruns 0 output errors, 0 collisions, 40 interface resets User: timeout, line Vi1, service PPP Bundle **Active time 00:00:25, Idle time 00:00:26 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:01:04 00:00:33** PPP: LCP Open, multilink Open Idle timer 60 secs, idle 26 secs Dialer: Connected to 4085551200, inbound Type is IN-BAND SYNC, group Serial0:23 IP: Local 10.1.1.1 Access list (I/O) is 199/not set Bundle: First link of timeout/timeout, 1 link, last input 00:00:27 Counts: 0 packets input, 0 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 13 packets output, 236 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resetsaccess-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in Se0:18 timeout - - - **Vi1 timeout 00:01:30 00:01:00 00:00:30** access-3#***Mar 4 19:42:14.996: Vi1 PPP: Idle timeout, dropping connection***Mar 4 19:42:14.996: Vi1 VTEMPLATE: Free vaccess*Mar 4 19:42:14.996: Se0:18 AAA/AUTHOR/PER-USER: Event LCP_DOWN*Mar 4 19:42:15.000: Vi1 AAA/AUTHOR/PER-USER: Event LCP_DOWN*Mar 4 19:42:15.004: Se0:18 AAA/ACCT: ISDN xmit 64000 recv 64000 hwidb 612048BC*Mar 4 19:42:15.004: AAA/ACCT/NET/STOP User timeout, Port Serial0:18: task_id=13 timezone=PST service=ppp mlp-links-max=1 mlp-links-current=1 mlp-sess-id=0 **disc-cause=18 disc-cause-ext=1046** pre-bytes-in=125 pre-bytes-out=99 pre-paks-in=4 pre-paks-out=4 bytes_in=228 bytes_out=436 paks_in=15 paks_out=26 pre-session-time=3 elapsed_time=60 nas-rx-speed=64000 nas-tx-speed=64000 *Mar 4 19:42:15.008: ISDN Se0:23: TX -> DISCONNECT pd = 8 callref = 0x8008*Mar 4 19:42:15.008: Cause i = 0x8090 - Normal call clearing *Mar 4 19:42:15.060: ISDN Se0:23: RX <- RELEASE pd = 8 callref = 0x08*Mar 4 19:42:15.072: ISDN Se0:23: TX -> RELEASE_COMP pd = 8 callref = 0x8008*Mar 4 19:42:15.212: TAC+: (2571416724): received acct response status = SUCCESS*Mar 4 19:42:15.500: VTEMPLATE: Clean up dirty vaccess queue, size 1*Mar 4 19:42:15.500: Vi1 VTEMPLATE: Found a dirty vaccess clone with dialer/AAA*Mar 4 19:42:15.500: Vi1 VTEMPLATE: ********** UNCLONE VACCESS1 ************Mar 4 19:42:15.500: Vi1 VTEMPLATE: Unclone to-be-freed command#2interface Virtual-Access1default ppp timeout idle 60default timeout absolute 1 30end***Mar 4 19:42:15.516: Vi1 VTEMPLATE: Set default settings with no ip address*Mar 4 19:42:15.536: Vi1 VTEMPLATE: Remove cloneblk AAA with dialer/AAA*Mar 4 19:42:15.536: Vi1 VTEMPLATE: Remove cloneblk dialer with dialer/AAA*Mar 4 19:42:15.536: Vi1 VTEMPLATE: Add vaccess to recycle queue, queue SIZE=1

## Llamada ISDN sin links múltiples de un solo canal sin perfiles virtuales

A continuación, hay una llamada asíncrona sin perfiles virtuales activos. En este ejemplo, estamos ejecutando el Cisco IOS 11.3(8.2)AA así que estos temporizadores se pueden instalar correctamente. Sin embargo, observe que no se creó a ningunos comandos configuration de causar esto; los temporizadores fueron fijados internamente en el código.

*Mar  4 19:43:00.404: ISDN Se0:23: RX <-  SETUP pd = 8  callref = 0x0E*Mar  4 19:43:00.404: Bearer Capability i = 0x8890*Mar  4 19:43:00.404:         Channel ID i = 0xA98393*Mar  4 19:43:00.404:         Calling Party Number i = '!', 0x80, '4085551200'*Mar  4 19:43:00.404: Called Party Number i = 0xA1, '4085703930'*Mar  4 19:43:00.404: ISDN Se0:23: TX ->  CALL_PROC pd = 8  callref = 0x800E*Mar  4 19:43:00.408:         Channel ID i = 0xA98393*Mar  4 19:43:00.416: ISDN Se0:23: TX ->  CONNECT pd = 8  callref = 0x800E*Mar  4 19:43:00.416:         Channel ID i = 0xA98393*Mar  4 19:43:00.488: ISDN Se0:23: RX <-  CONNECT_ACK pd = 8  callref = 0x0E*Mar  4

19:43:00.720: Se0:18 PPP: Treating connection as a callin*Mar  4 19:43:00.720: Se0:18 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar  4 19:43:02.744: Se0:18 PPP: Phase is AUTHENTICATING, by this end*Mar  4 19:43:02.744: Se0:18 CHAP: O CHALLENGE id 2 len 26 from "STACK"*Mar  4 19:43:02.776: Se0:18 CHAP: I RESPONSE id 2 len 30 from "timeout"*Mar  4 19:43:02.776: AAA: parse NAME=Serial0:18 idb TYPE=12 tty=-1*Mar  4 19:43:02.776: AAA: NAME=Serial0:18 flags=0x51 TYPE=1 shelf=0 slot=0 adapter=0 port=0 channel=18*Mar  4 19:43:02.776: AAA: parse NAME= idb TYPE=-1 tty=-1*Mar  4 19:43:02.780: RADIUS: ustruct sharecount=1*Mar  4 19:43:02.780: RADIUS: Initial Transmit Serial0:18 id 5 172.16.24.117:1645, Access-Request, len 104*Mar  4 19:43:02.780:         Attribute 4 6 AC101874*Mar  4 19:43:02.780: Attribute 5 6 00004E32*Mar  4 19:43:02.780:         Attribute 61 6 00000002*Mar  4 19:43:02.780: Attribute 1 11 74696D65*Mar  4 19:43:02.780:         Attribute 30 12 34303835*Mar  4 19:43:02.780:         Attribute 31 12 34303835*Mar  4 19:43:02.780:         Attribute 3 19 02AE5572*Mar  4 19:43:02.780:         Attribute 6 6 00000002*Mar  4 19:43:02.780: Attribute 7 6 00000001*Mar  4 19:43:02.784: RADIUS: Received from id 5 172.16.24.117:1645, Access-Accept, len 50*Mar  4 19:43:02.784:         Attribute 6 6 00000002*Mar  4 19:43:02.784: Attribute 7 6 00000001*Mar  4 19:43:02.784:         Attribute 8 6 FFFFFFFE***Mar 4 19:43:02.784: Attribute 27 6 0000005A*Mar 4 19:43:02.784: Attribute 28 6 0000003C***Mar 4 19:43:02.788: Se0:18 AAA/AUTHOR/LCP: Authorize LCP*Mar 4 19:43:02.788: AAA/AUTHOR/LCP Se0:18 (900316608): Port='Serial0:18' list='' service=NET*Mar 4 19:43:02.788: AAA/AUTHOR/LCP: Se0:18 (900316608) send AV service=ppp*Mar 4 19:43:02.788: AAA/AUTHOR/LCP: Se0:18 (900316608) send AV protocol=lcp*Mar 4 19:43:02.788: AAA/AUTHOR/LCP (900316608) found list "default"*Mar 4 19:43:02.788: AAA/AUTHOR/LCP: Se0:18 (900316608) METHOD=RADIUS*Mar 4 19:43:02.788: AAA/AUTHOR (900316608): Post authorization status = PASS_REPL*Mar 4 19:43:02.788: Se0:18 AAA/AUTHOR/LCP: Processing AV service=ppp*Mar 4 19:43:02.788: Se0:18 AAA/AUTHOR/LCP: Processing AV timeout=90*Mar 4 19:43:02.788: Se0:18 AAA/AUTHOR/LCP: Processing AV idletime=60*Mar 4 19:43:02.788: Se0:18 CHAP: O SUCCESS id 2 len 4*Mar 4 19:43:02.788: AAA/ACCT/NET/START User timeout, Port Serial0:18, List ""*Mar 4 19:43:02.788: AAA/ACCT/NET: Found list "default"*Mar 4 19:43:02.788: Se0:18 AAA/AUTHOR/FSM: (0): Can we start IPCP?*Mar 4 19:43:02.788: AAA/AUTHOR/FSM Se0:18 (3608739008): Port='Serial0:18' list='' service=NET*Mar 4 19:43:02.788: AAA/AUTHOR/FSM: Se0:18 (3608739008) send AV service=ppp*Mar 4 19:43:02.788: AAA/AUTHOR/FSM: Se0:18 (3608739008) send AV protocol=ip*Mar 4 19:43:02.788: AAA/AUTHOR/FSM (3608739008) found list "default"*Mar 4 19:43:02.788: AAA/AUTHOR/FSM: Se0:18 (3608739008) METHOD=RADIUS*Mar 4 19:43:02.788: RADIUS: Using NAS default peer*Mar 4 19:43:02.788: RADIUS: Authorize IP address 0.0.0.0*Mar 4 19:43:02.788: AAA/AUTHOR (3608739008): Post authorization status = PASS_REPL*Mar 4 19:43:02.788: Se0:18 AAA/AUTHOR/FSM: We can start IPCP*Mar 4 19:43:02.788: Se0:18 AAA/AUTHOR/FSM: (0): Can we start CDPCP?*Mar 4 19:43:02.792: AAA/AUTHOR/FSM Se0:18 (3955392150): Port='Serial0:18' list='' service=NET*Mar 4 19:43:02.792: AAA/AUTHOR/FSM: Se0:18 (3955392150) send AV service=ppp*Mar 4 19:43:02.792: AAA/AUTHOR/FSM: Se0:18 (3955392150) send AV protocol=cdp*Mar 4 19:43:02.792: AAA/AUTHOR/FSM (3955392150) found list "default"*Mar 4 19:43:02.792: AAA/AUTHOR/FSM: Se0:18 (3955392150) METHOD=RADIUS*Mar 4 19:43:02.792: AAA/AUTHOR (3955392150): Post authorization status = PASS_REPL*Mar 4 19:43:02.792: Se0:18 AAA/AUTHOR/FSM: We can start CDPCP*Mar 4 19:43:02.804: Se0:18 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0*Mar 4 19:43:02.804: Se0:18 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:43:02.804: Se0:18 AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0*Mar 4 19:43:02.804: Se0:18 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:43:02.804: Se0:18 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0*Mar 4 19:43:02.808: Se0:18 AAA/AUTHOR/FSM: Check for unauthorized mandatory AV's*Mar 4 19:43:02.808: Se0:18 AAA/AUTHOR/FSM: Processing AV service=ppp*Mar 4 19:43:02.808: Se0:18 AAA/AUTHOR/FSM: Succeeded*Mar 4 19:43:02.816: Se0:18 AAA/AUTHOR/IPCP: Start. Her address 10.1.1.3, we want 10.1.1.3*Mar 4 19:43:02.816: AAA/AUTHOR/IPCP Se0:18 (2267743837): Port='Serial0:18' list='' service=NET*Mar 4 19:43:02.816: AAA/AUTHOR/IPCP: Se0:18 (2267743837) send AV service=ppp*Mar 4 19:43:02.816: AAA/AUTHOR/IPCP: Se0:18 (2267743837) send AV protocol=ip*Mar 4 19:43:02.816: AAA/AUTHOR/IPCP: Se0:18 (2267743837) send AV addr*10.1.1.3*Mar 4 19:43:02.816: AAA/AUTHOR/IPCP (2267743837) found list "default"*Mar 4 19:43:02.816: AAA/AUTHOR/IPCP: Se0:18 (2267743837) METHOD=RADIUS*Mar 4 19:43:02.816: RADIUS: Using NAS default peer*Mar 4 19:43:02.816: RADIUS: Authorize IP address 10.1.1.3*Mar 4 19:43:02.816: AAA/AUTHOR (2267743837): Post authorization status = PASS_REPL*Mar 4 19:43:02.816: Se0:18 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:43:02.820: Se0:18 AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.3*Mar 4 19:43:02.820: Se0:18 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:43:02.820: Se0:18 AAA/AUTHOR/IPCP: Done. Her address 10.1.1.3, we want 10.1.1.3*Mar 4 19:43:02.824: Se0:18 AAA/AUTHOR/PER-USER: Event IP_UP*Mar 4 19:43:02.824: Se0:18 AAA/PER-USER: processing author params.access-3#**show caller** Active Idle Line User Service Time Time **Se0:18 timeout PPP 00:00:19 00:00:19** access-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in Se0:18 timeout 00:01:30 00:01:00 00:00:37 access-3#**ping 10.1.1.3**Type escape sequence to abort.Sending 5, 100-byte ICMP Echos to 10.1.1.3, timeout is 2

seconds:!!!!!Success rate is 100 percent (5/5), round-trip min/avg/max = 32/33/36 msaccess-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in **Se0:18 timeout 00:01:30 00:01:00 00:00:57** access-3#**show caller user timeout** User: timeout, line Se0:18, service PPP **Active time 00:00:38, Idle time 00:00:10 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:00:51 00:00:49** PPP: LCP Open, multilink Closed, CHAP (<- AAA), IPCP, CDPCP Dialer: Connected to 4085551200, inbound Idle timer 60 secs, idle 10 secs Type is ISDN, group Serial0:23 IP: Local 10.1.1.1, remote 10.1.1.3 Access list (I/O) is 199/not set Counts: 51 packets input, 2104 bytes, 0 no buffer 11 input errors, 2 CRC, 3 frame, 0 overrun 58 packets output, 2233 bytes, 0 underruns 0 output errors, 0 collisions, 45 interface resetsaccess-3#**show caller user timeout** User: timeout, line Se0:18, service PPP **Active time 00:00:45, Idle time 00:00:17 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:00:44 00:00:42** PPP: LCP Open, multilink Closed, CHAP (<- AAA), IPCP, CDPCP Dialer: Connected to 4085551200, inbound Idle timer 60 secs, idle 17 secs Type is ISDN, group Serial0:23 IP: Local 10.1.1.1, remote 10.1.1.3 Access list (I/O) is 199/not set Counts: 52 packets input, 2120 bytes, 0 no buffer 11 input errors, 2 CRC, 3 frame, 0 overrun 59 packets output, 2249 bytes, 0 underruns 0 output errors, 0 collisions, 45 interface resetsaccess-3#**ping 10.1.1.3**Type escape sequence to abort.Sending 5, 100-byte ICMP Echos to 10.1.1.3, timeout is 2 seconds:!!!!!Success rate is 100 percent (5/5), round-trip min/avg/max = 32/34/40 msaccess-3#**show caller user timeout** User: timeout, line Se0:18, service PPP **Active time 00:01:02, Idle time 00:00:04 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:00:27 00:00:55** PPP: LCP Open, multilink Closed, CHAP (<- AAA), IPCP, CDPCP Dialer: Connected to 4085551200, inbound Idle timer 60 secs, idle 4 secs Type is ISDN, group Serial0:23 IP: Local 10.1.1.1, remote 10.1.1.3 Access list (I/O) is 199/not set Counts: 60 packets input, 2688 bytes, 0 no buffer 11 input errors, 2 CRC, 3 frame, 0 overrun 67 packets output, 2817 bytes, 0 underruns 0 output errors, 0 collisions, 45 interface resetsaccess-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in **Se0:18 timeout 00:01:30 00:01:00 00:00:21** access-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in **Se0:18 timeout 00:01:30 00:01:00 00:00:07** access-3#*Mar 4 19:44:33.788: ISDN Se0:23: TX -> DISCONNECT pd = 8 callref = 0x800E*Mar 4 19:44:33.788: Cause i = 0x8090 - Normal call clearing *Mar 4 19:44:33.840: ISDN Se0:23: RX <- RELEASE pd = 8 callref = 0x0E*Mar 4 19:44:33.852: Se0:18 AAA/ACCT: ISDN xmit 64000 recv 64000 hwidb 612048BC*Mar 4 19:44:33.852: AAA/ACCT/NET/STOP User timeout, Port Serial0:18: task_id=14 timezone=PST service=ppp protocol=ip addr=10.1.1.3 disc-cause=5 **disc-cause-ext=1100** pre-bytes-in=101 pre-bytes-out=102 pre-paks-in=5 pre-paks-out=5 bytes_in=2258 bytes_out=2276 paks_in=38 paks_out=38 pre-session-time=2 elapsed_time=91 nas-rx-speed=64000 nas-tx-speed=64000 *Mar 4 19:44:33.852: ISDN Se0:23: TX -> RELEASE_COMP pd = 8 callref = 0x800E*Mar 4 19:44:33.856: Se0:18 AAA/AUTHOR/PER-USER: Event IP_DOWN*Mar 4 19:44:33.856: Se0:18 AAA/AUTHOR/PER-USER: Event LCP_DOWN*Mar 4 19:44:34.060: TAC+: (3492368360): received acct response status = SUCCESS

## Llamada ISDN sin links múltiples de un solo canal con perfiles virtuales

Abajo está el mismo usuario ISDN del solo canal del sin multilink pero este vez con los Perfiles virtuales habilitados. Observe que la interfaz de accesov está creada aunque el multilink no se negocia y creamos los comandos configuration de instalar los temporizadores.

*Mar 4 19:45:00.480: ISDN Se0:23: RX <- SETUP pd = 8 callref = 0x0C*Mar 4 19:45:00.480: Bearer Capability i = 0x8890*Mar 4 19:45:00.480: Channel ID i = 0xA98393*Mar 4 19:45:00.480: Calling Party Number i = '!', 0x80, '4085551200'*Mar 4 19:45:00.480: Called Party Number i = 0xA1, '4085703930'*Mar 4 19:45:00.480: ISDN Se0:23: TX -> CALL_PROC pd = 8 callref = 0x800C*Mar 4 19:45:00.480: Channel ID i = 0xA98393*Mar 4 19:45:00.492: ISDN Se0:23: TX -> CONNECT pd = 8 callref = 0x800C*Mar 4 19:45:00.492: Channel ID i = 0xA98393*Mar 4 19:45:00.564: ISDN Se0:23: RX <- CONNECT_ACK pd = 8 callref = 0x0C*Mar 4 19:45:00.804: Se0:18 PPP: Treating connection as a callin*Mar 4 19:45:00.804: Se0:18 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar 4 19:45:02.804: Se0:18 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*Mar 4 19:45:02.828: Se0:18 PPP: Phase is AUTHENTICATING, by this end*Mar 4 19:45:02.828: Se0:18 CHAP: O CHALLENGE id 3 len 26 from "STACK"*Mar 4 19:45:02.860: Se0:18 CHAP: I RESPONSE id 3 len 30 from "timeout"*Mar 4 19:45:02.860: AAA: parse NAME=Serial0:18 idb TYPE=12 tty=-1*Mar 4 19:45:02.860: AAA: NAME=Serial0:18 flags=0x51 TYPE=1 shelf=0 slot=0 adapter=0 port=0 channel=18*Mar 4 19:45:02.860: AAA: parse NAME= idb TYPE=-1 tty=-1*Mar 4 19:45:02.860: RADIUS: ustruct sharecount=1*Mar 4 19:45:02.860: RADIUS: Initial Transmit Serial0:18 id 6 172.16.24.117:1645, Access-Request, len 104*Mar 4 19:45:02.860: Attribute 4 6 AC101874*Mar 4 19:45:02.860: Attribute 5 6 00004E32*Mar 4 19:45:02.860: Attribute 61 6 00000002*Mar 4 19:45:02.864: Attribute 1 11 74696D65*Mar 4 19:45:02.864: Attribute 30 12 34303835*Mar 4 19:45:02.864: Attribute 31 12

34303835*Mar  4 19:45:02.864:         Attribute 3 19 03D4E134*Mar  4 19:45:02.864:
Attribute 6 6 00000002*Mar  4 19:45:02.864:         Attribute 7 6 00000001*Mar  4 19:45:02.868:
RADIUS: Received from id 6 172.16.24.117:1645, Access-Accept, len 50*Mar  4 19:45:02.868:
Attribute 6 6 00000002*Mar  4 19:45:02.868:         Attribute 7 6 00000001*Mar  4 19:45:02.868:
Attribute 8 6 FFFFFFFE**Mar 4 19:45:02.868: Attribute 27 6 0000005A*Mar 4 19:45:02.868: Attribute
28 6 0000003C***Mar 4 19:45:02.868: Se0:18 AAA/AUTHOR/LCP: Authorize LCP*Mar 4 19:45:02.868:
AAA/AUTHOR/LCP Se0:18 (2825271150): Port='Serial0:18' list='' service=NET*Mar 4 19:45:02.868:
AAA/AUTHOR/LCP: Se0:18 (2825271150) send AV service=ppp*Mar 4 19:45:02.868: AAA/AUTHOR/LCP:
Se0:18 (2825271150) send AV protocol=lcp*Mar 4 19:45:02.868: AAA/AUTHOR/LCP (2825271150) found
list "default"*Mar 4 19:45:02.868: AAA/AUTHOR/LCP: Se0:18 (2825271150) METHOD=RADIUS*Mar 4
19:45:02.872: AAA/AUTHOR (2825271150): Post authorization status = PASS_REPL*Mar 4 19:45:02.872:
Se0:18 AAA/AUTHOR/LCP: Processing AV service=ppp**Mar 4 19:45:02.872: Se0:18 AAA/AUTHOR/LCP:
Processing AV timeout=90*Mar 4 19:45:02.872: Se0:18 AAA/AUTHOR/LCP: Processing AV
idletime=60*Mar 4 19:45:02.872: AAA/AUTHOR/LCP Se0:18: Per-user interface config created:timeout
absolute 1 30ppp timeout idle 60***Mar 4 19:45:02.872: Se0:18 CHAP: O SUCCESS id 3 len 4*Mar 4
19:45:02.872: AAA/ACCT/NET/START User timeout, Port Serial0:18, List ""*Mar 4 19:45:02.872:
AAA/ACCT/NET: Found list "default"*Mar 4 19:45:02.872: Vi1 VTEMPLATE: Reuse Vi1, recycle queue
size 0*Mar 4 19:45:02.872: Vi1 VTEMPLATE: Hardware address 00e0.1e81.636c*Mar 4 19:45:02.872:
Vi1 VTEMPLATE: Has a new cloneblk vtemplate, now it has vtemplate*Mar 4 19:45:02.872: Vi1
VTEMPLATE: ********** CLONE VACCESS1 **********Mar 4 19:45:02.872: Vi1 VTEMPLATE:
Clone from Virtual-Template1interface Virtual-Access1default ip addressno ip addressencap pppip
unnumbered Loopback0ip access-group 199 inip helper-address 172.16.24.118no ip directed-
broadcastip accounting output-packetsip nat insideno keepalivepeer default ip address pool
defaultcompress mppcppp callback acceptppp authentication chap pap ms-chapppp multilinkmultilink
max-links 2end enabling payload compression on this interface.*Mar 4 19:45:02.952: Vi1
VTEMPLATE: Has a new cloneblk AAA, now it has vtemplate/AAA*Mar 4 19:45:02.952: Vi1 VTEMPLATE:
********** CLONE VACCESS1 **********Mar 4 19:45:02.952: Vi1 VTEMPLATE: Clone from
AAAinterface Virtual-Access1timeout absolute 1 30ppp timeout idle 60end*Mar 4 19:45:02.976:
%LINK-3-UPDOWN: Interface Virtual-Access1, changed state to up*Mar 4 19:45:02.976: Vi1 PPP:
Treating connection as a dedicated line*Mar 4 19:45:02.976: Vi1 AAA/AUTHOR/FSM: (0): LCP
succeeds trivially*Mar 4 19:45:02.980: Vi1 AAA/AUTHOR/FSM: (0): Can we start IPCP?*Mar 4
19:45:02.980: AAA/AUTHOR/FSM Vi1 (2657898442): Port='Serial0:18' list='' service=NET*Mar 4
19:45:02.980: AAA/AUTHOR/FSM: Vi1 (2657898442) send AV service=ppp*Mar 4 19:45:02.980:
AAA/AUTHOR/FSM: Vi1 (2657898442) send AV protocol=ip*Mar 4 19:45:02.980: AAA/AUTHOR/FSM
(2657898442) found list "default"*Mar 4 19:45:02.980: AAA/AUTHOR/FSM: Vi1 (2657898442)
METHOD=RADIUS*Mar 4 19:45:02.980: RADIUS: Using NAS default peer*Mar 4 19:45:02.980: RADIUS:
Authorize IP address 0.0.0.0*Mar 4 19:45:02.980: AAA/AUTHOR (2657898442): Post authorization
status = PASS_REPL*Mar 4 19:45:02.980: Vi1 AAA/AUTHOR/FSM: We can start IPCP*Mar 4 19:45:02.980:
Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0*Mar 4 19:45:02.980: Vi1
AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:45:02.980: Vi1 AAA/AUTHOR/IPCP: Processing
AV addr=0.0.0.0*Mar 4 19:45:02.980: Vi1 AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4
19:45:02.980: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0*Mar 4
19:45:02.996: Vi1 AAA/AUTHOR/IPCP: Start. Her address 10.1.1.3, we want 10.1.1.3*Mar 4
19:45:02.996: AAA/AUTHOR/IPCP Vi1 (1804338759): Port='Serial0:18' list='' service=NET*Mar 4
19:45:02.996: AAA/AUTHOR/IPCP: Vi1 (1804338759) send AV service=ppp*Mar 4 19:45:02.996:
AAA/AUTHOR/IPCP: Vi1 (1804338759) send AV protocol=ip*Mar 4 19:45:02.996: AAA/AUTHOR/IPCP: Vi1
(1804338759) send AV addr*10.1.1.3*Mar 4 19:45:02.996: AAA/AUTHOR/IPCP (1804338759) found list
"default"*Mar 4 19:45:02.996: AAA/AUTHOR/IPCP: Vi1 (1804338759) METHOD=RADIUS*Mar 4
19:45:02.996: RADIUS: Using NAS default peer*Mar 4 19:45:02.996: RADIUS: Authorize IP address
10.1.1.3*Mar 4 19:45:02.996: AAA/AUTHOR (1804338759): Post authorization status = PASS_REPL*Mar
4 19:45:02.996: Vi1 AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:45:02.996: Vi1
AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.3*Mar 4 19:45:02.996: Vi1 AAA/AUTHOR/IPCP:
Authorization succeeded*Mar 4 19:45:02.996: Vi1 AAA/AUTHOR/IPCP: Done. Her address 10.1.1.3, we
want 10.1.1.3*Mar 4 19:45:03.004: Vi1 AAA/AUTHOR/PER-USER: Event IP_UP*Mar 4 19:45:03.004: Vi1
AAA/PER-USER: processing author params.*Mar 4 19:45:03.996: %LINEPROTO-5-UPDOWN: Line protocol
on Interface Virtual-Access1, changed state to upaccess-3#**show caller** Active Idle Line User
Service Time Time **Se0:18 timeout PPP 00:00:11 00:00:10** Vi1 timeout PPP VDP 00:00:11 00:00:10
access-3#**show caller timeout** User: timeout, line Se0:18, service PPP Active time 00:00:15, Idle
time 00:00:15 Timeouts: Absolute Idle Limits: - - Disconnect in: - - PPP: LCP Open, multilink
Closed, CHAP (<- AAA) Dialer: Connected to 4085551200, inbound Idle timer 60 secs, idle 15 secs
Type is ISDN, group Serial0:23 IP: Local 10.1.1.1 Access list (I/O) is 199/not set Counts: 81
packets input, 3291 bytes, 0 no buffer 11 input errors, 2 CRC, 3 frame, 0 overrun 87 packets
output, 3419 bytes, 0 underruns 0 output errors, 0 collisions, 47 interface resets User:
timeout, line Vi1, service PPP VDP **Active time 00:00:15, Idle time 00:00:15 Timeouts: Absolute**

**Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:01:13 00:00:44** PPP: LCP Open, multilink Closed, CHAP (<- none), IPCP Idle timer 60 secs, idle 15 secs IP: Local 10.1.1.1, remote 10.1.1.3 Access list (I/O) is 199/not set Counts: 7 packets input, 370 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 19 packets output, 404 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resetsaccess-3#**show caller timeouts** Session Idle Disconnect Line User Timeout Timeout User in Se0:18 timeout - - - **Vi1 timeout 00:01:30 00:01:00 00:00:40** access-3#**ping 10.1.1.3**Type escape sequence to abort.Sending 5, 100-byte ICMP Echos to 10.1.1.3, timeout is 2 seconds:!!!!!Success rate is 100 percent (5/5), round-trip min/avg/max = 32/33/36 msaccess-3#**show caller timeouts** Session Idle Disconnect Line User Timeout Timeout User in Se0:18 timeout - - - **Vi1 timeout 00:01:30 00:01:00 00:00:58** access-3#**show caller user timeout** User: timeout, line Se0:18, service PPP Active time 00:00:34, Idle time 00:00:09 Timeouts: Absolute Idle Limits: - - Disconnect in: - - PPP: LCP Open, multilink Closed, CHAP (<- AAA) Dialer: Connected to 4085551200, inbound Idle timer 60 secs, idle 9 secs Type is ISDN, group Serial0:23 IP: Local 10.1.1.1 Access list (I/O) is 199/not set Counts: 88 packets input, 3843 bytes, 0 no buffer 11 input errors, 2 CRC, 3 frame, 0 overrun 94 packets output, 3971 bytes, 0 underruns 0 output errors, 0 collisions, 47 interface resets User: timeout, line Vi1, service PPP VDP **Active time 00:00:34, Idle time 00:00:09 Timeouts: Absolute Idle Limits: 00:01:30 00:01:00 Disconnect in: 00:00:54 00:00:50** PPP: LCP Open, multilink Closed, CHAP (<- none), IPCP Idle timer 60 secs, idle 9 secs IP: Local 10.1.1.1, remote 10.1.1.3 Access list (I/O) is 199/not set Counts: 14 packets input, 922 bytes, 0 no buffer 0 input errors, 0 CRC, 0 frame, 0 overrun 33 packets output, 956 bytes, 0 underruns 0 output errors, 0 collisions, 0 interface resetsaccess-3#**show caller timeout** Session Idle Disconnect Line User Timeout Timeout User in Se0:18 timeout - - - **Vi1 timeout 00:01:30 00:01:00 00:00:42** access-3#**show caller timeouts** Session Idle Disconnect Line User Timeout Timeout User in Se0:18 timeout - - - **Vi1 timeout 00:01:30 00:01:00 00:00:22** access-3#**show caller** Active Idle Line User Service Time Time Se0:18 timeout PPP 00:01:22 00:00:57 **Vi1 timeout PPP VDP 00:01:22 00:00:57 access-3#*Mar 4 19:46:28.996: Vi1 PPP: Idle timeout, dropping connection***Mar 4 19:46:28.996: Se0:18 AAA/ACCT: ISDN xmit 64000 recv 64000 hwidb 612048BC*Mar 4 19:46:28.996: AAA/ACCT/NET/STOP User timeout, Port Serial0:18: task_id=15 timezone=PST service=ppp protocol=ip addr=10.1.1.3 **disc-cause=4 disc-cause-ext=1021** pre-bytes-in=101 pre-bytes-out=102 pre-paks-in=5 pre-paks-out=5 bytes_in=1024 bytes_out=1036 paks_in=21 paks_out=21 pre-session-time=2 elapsed_time=86 nas-rx-speed=64000 nas-tx-speed=64000 *Mar 4 19:46:29.000: ISDN Se0:23: TX -> DISCONNECT pd = 8 callref = 0x800C*Mar 4 19:46:29.000: Cause i = 0x8090 - Normal call clearing *Mar 4 19:46:29.000: Vi1 AAA/AUTHOR/PER-USER: Event IP_DOWN*Mar 4 19:46:29.000: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to down*Mar 4 19:46:29.004: Vi1 VTEMPLATE: Free vaccess*Mar 4 19:46:29.004: Vi1 AAA/AUTHOR/PER-USER: Event LCP_DOWN*Mar 4 19:46:29.052: ISDN Se0:23: RX <- RELEASE pd = 8 callref = 0x0C*Mar 4 19:46:29.064: ISDN Se0:23: TX -> RELEASE_COMP pd = 8 callref = 0x800C*Mar 4 19:46:29.064: Se0:18 AAA/AUTHOR/PER-USER: Event LCP_DOWN*Mar 4 19:46:29.208: TAC+: (3109010012): received acct response status = SUCCESS*Mar 4 19:46:29.580: VTEMPLATE: Clean up dirty vaccess queue, size 1*Mar 4 19:46:29.580: Vi1 VTEMPLATE: Found a dirty vaccess clone with vtemplate/AAA*Mar 4 19:46:29.580: Vi1 VTEMPLATE: ********** UNCLONE VACCESS1 *************Mar 4 19:46:29.580: Vi1 VTEMPLATE: Unclone to-be-freed command#2interface Virtual-Access1default ppp timeout idle 60default timeout absolute 1 30end***Mar 4 19:46:29.596: Vi1 VTEMPLATE: Set default settings with no ip address*Mar 4 19:46:29.616: Vi1 VTEMPLATE: Remove cloneblk AAA with vtemplate/AAA*Mar 4 19:46:29.616: Vi1 VTEMPLATE: ********** UNCLONE VACCESS1 **********Mar 4 19:46:29.616: Vi1 VTEMPLATE: Unclone to-be-freed command#15interface Virtual-Access1default multilink max-links 2default ppp multilinkdefault ppp authentication chap pap ms-chapdefault ppp callback acceptdefault compress mppcdefault peer default ip address pool defaultdefault keepalivedefault ip nat insidedefault ip accounting output-packetsdefault ip directed-broadcastdefault ip helper-address 172.16.24.118default ip access-group 199 indefault ip unnumbered Loopback0default encap pppdefault ip addressend*Mar 4 19:46:29.704: Vi1 VTEMPLATE: Set default settings with no ip address*Mar 4 19:46:29.720: Vi1 VTEMPLATE: Remove cloneblk vtemplate with vtemplate/AAA*Mar 4 19:46:29.720: Vi1 VTEMPLATE: Add vaccess to recycle queue, queue SIZE=1*Mar 4 19:46:30.000: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1, changed state to down

# Información Relacionada

- Páginas de soporte de la tecnología de marcación
- Soporte Técnico - Cisco Systems