Содержание

Введение

Данное техническое указание объясняет, как реализовать таймауты для каждого пользователя на Cisco access servers. Для корректной работы простоев в расчете на пользователя необходимо использовать Cisco IOS версии 11.3(8)T или более новой версии. Если запущена одна из старых версий Cisco IOS, таймеры могут работать только в некоторых базовых конфигурациях, например, в async, и только без виртуальных профилей.

Этот документ покрывает конфигурацию сервера доступа к сети (NAS) и аутентификации, авторизации и учета (AAA). **Кроме того, предоставляет выходные данные команд show и debug, поэтому можно проверить, правильно ли работают устройства, а также отладить возникающие неисправности.**

Предварительные условия

Требования

Для этого документа отсутствуют особые требования.

Используемые компоненты

Сведения, содержащиеся в данном документе, касаются следующих версий программного обеспечения и оборудования:

- Версия Cisco IOS 11.3 (8) T или позже

Сведения, представленные в этом документе, были получены от устройств, работающих в специальной лабораторной среде. Все устройства, описанные в этом документе, были запущены с чистой (стандартной) конфигурацией. В рабочей сети необходимо изучить потенциальное воздействие всех команд до их использования.

Условные обозначения

Дополнительные сведения об условных обозначениях в документах см. Cisco Technical Tips Conventions.

Технические характеристики

Перед обсуждением времени ожидания для каждого пользователя, которое привносит другие величины, например, конфигурацию AAA и серверов RADIUS/TACACS+, будет рассмотрено конфигурирование сервера доступа для фиксированного времени ожидания, то есть, времени ожидания примененного на глобальной основе для каждого удаленного пользователя.

Ключевые команды Cisco IOS: dialer idle-timeout и timeout absolute. Обе эти команды являются командами настройки интерфейса. **Также будет рассмотрена команда ppp timeout idle, используемая для интерфейсов VAccess.**

dialer idle-timeout <x>

Эта команда может быть настроена на любом интерфейсе номеронабирателя и средствах управления, сколько времени соединение может быть простаивающим (в секундах), прежде чем это будет завершено. Ниже перечислены четыре особенности, которые следует отметить относительно этой команды:

1. Эта команда применима только к интерфейсам с поддержкой номеронабирателя. По умолчанию все интерфейсы ISDN (BRI и PRI) с поддержкой программы набора номера, так добавляют, что эта команда не является проблемой. **Асинхронные интерфейсы (включая интерфейсы group-async) по умолчанию не поддерживают номеронабиратель. Чтобы это изменить, необходимо ввести команду dialer in-band. Приступить к настройке параметра "dialer idle-timeout" вы можете только после ввода команды dialer in-band на асинхронном интерфейсе.**
   ПримечаниеПримечание: Vtemplate (и поэтому интерфейсы виртуального доступа) не с поддержкой программы набора номера (они - только точка-точка), и таким образом не может использовать эту команду.
2. На интерфейсе номеронабирателя (т.е. ISDN или асинкс с внутриполосным номеронабирателем), по умолчанию является **таймаутом простоя программы для набора номера 120** (секунды). Этот промежуток времени обычно является слишком коротким в среде ISP, так что вы почти всегда должны увеличивать его.
3. **Таймаут простоя номеронабирателя по умолчанию сбрасывается только для исходящего трафика (трафика, направленного к пользователю), который соответствует**

списку номеронабирателей (то есть, считается содержательным). Возможно перезагрузить его для входящего представляющего интерес трафика также путем добавления **любого** ключевого слова в конце команды (т.е. **таймаут простоя программы для набора номера 600 любой**).
4. Трафик считал "содержательным", определен командой *<n>* **dialer-list**, где *<n>* совпадает с номером в вашем **dialer-group** *<n>* командный оператор.

timeout absolute <x> <y>

Эта команда может быть настроена на любом Интерфейсе WAN, включая асинхронные интерфейсы, интерфейсы ISDN, интерфейсы номеронабирателя и интерфейсы vtemplate. Она контролирует период времени, в течение которого подключение может быть активно до своего завершения. *Обратите внимание на синтаксис: <x> <y>, где <x> – минуты, а <y> – секунды.*

ppp timeout idle <x>

Эта команда может только быть настроена на интерфейсах vtemplate (и даже скрыт в синтаксическом анализаторе), и управляет, сколько времени соединение может быть простаивающим (в секундах), прежде чем это будет завершено. **Действие данной команды схоже с действием команды dialer idle-timeout для интерфейсов установления соединений, однако команда ppp timeout idle применяется для интерфейсов VTemplate/VAccess**. Поскольку это используется в частности на vtemplate/интерфейсах виртуального доступа, эта команда является соответствующей конфигурациям виртуального профиля (где интерфейс виртуального доступа всегда создается для пользователя), и домашние шлюзы виртуальной частной коммутируемой сети (VPDN) (где спроектированные интерфейсы всегда завершаются на интерфейсе виртуального доступа). **Здесь понятие интересного трафика - в отличие от команды dialer idle-timeout – не используется, и весь пользовательский трафик будет сбрасывать таймер режима ожидания**. Не пользовательский трафик, такой как элементы поддержки установленного соединения протокола управления каналом связи (LCP) и пакеты согласования протокола управления сетью (NCP), не восстанавливает таймер.

Настройка

В этом разделе содержатся сведения о настройке функций, описанных в этом документе.

Примечание: Поиск дополнительной информации о командах в данном документе можно выполнить с помощью средства "Command Lookup" (Поиск команд) (только для зарегистрированных клиентов).

Эти конфигурации используются в данном документе:

- Основная конфигурация (виртуальные профили, не включенные)
- Глобальные периоды ожидания
- Пользовательские периоды ожидания - конфигурация сервера AAA
- Время ожидания для каждого пользователя — Конфигурация NAS

Основная конфигурация (виртуальные профили, не включенные)

Для обучения моделируется базовая конфигурация, такая как представленная ниже.

Функция виртуальных профилей не включена.

Базовая конфигурация

```
!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
```

Глобальные периоды ожидания

Для следующего примера мы наложим 30-минутное (1800 секунд) время простоя и

трехчасовой (180 минут) абсолютное время ожидания для пользователей. Изменение конфигурации дельты, которое включит **времена ожидания глобального PPP**, будет следующие:

```
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
```

Если у вас не будет dialer-list 1, то необходимо будет определить тот. **Самая простая команда - dialer-list 1 protocol ip permit.**

Если использовались виртуальные профили, то конфигурация может быть более простой, поскольку можно просто поместить время ожидания на интерфейс виртуального шаблона, как показано ниже:

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

Пользовательские периоды ожидания - конфигурация сервера AAA

Познакомившись с глобальным временем ожидания, давайте перейдем к изучению времени ожидания для каждого пользователя. **Значения таймера по каждому пользователю будут снижаться во время сетевой авторизации, поэтому необходимо, чтобы команда aaa authorization network была настроена в соответствии с используемым типом, RADIUS или TACACS+.** Также обратите внимание, что таймеры для отдельных пользователей будут всегда отвергать любые глобальные значения, которые предварительно сконфигурированы на NAS. Путем работа таймеров для отдельных пользователей состоит в том, что, когда сервер доступа получает атрибуты времени ожидания во время фазы проверки подлинности в сети, он преобразует эти атрибуты в ряд команд настройки, которые будут введены в интерфейс, с которым будет связан пользователь. Эти команды настройки, которые введены в интерфейс фоновым процессом, являются временными; их удаляют, когда пользователь отключается.

Упомянутый ниже несколько типовых профилей пользователей на сервере:

Профили 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
```

Примечание: Ваш синтаксис может варьироваться в зависимости от того, как установлен ваш словарь.

TACACS + профили

```
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"         } }
```

Время ожидания для каждого пользователя — Конфигурация NAS

Если выполняется только асинхронная передача (без ISDN) и профили программы набора номера не используются, поскольку dialer in-band настроена на интерфейсах async (или group-async), обычно можно задать таймеры для каждого пользователя. Фоновый процесс вставит таймеры на асинхронном интерфейсе, с помощью **таймаута простоя программы для набора номера**, и **команды timeout absolute** со значениями прошли в от RADIUS/TACACS +, и выньте их, когда пользователь разъединяет.

При выполнении только асинхронной передачи (не ISDN) и использовании виртуальных профилей, нет надобности в настройке внутриполосного номеронабирателя на интерфейсе асинхронной передачи (или групповой асинхронной передачи). Это должно работать. **Фоновый процесс вставит таймеры в интерфейс виртуального доступа, используя команды ppp timeout idle и timeout absolute со значениями, передаваемыми от RADIUS/TACACS+, и получит их обратно при отсоединении пользователя.**

Если у вас есть пользователи ISDN, и необходимо сделать таймеры для отдельных пользователей, вы, возможно, должны использовать виртуальные профили. Причина состоит в том, потому что фоновый процесс, который мы ранее обсудили, не работает для интерфейсов ISDN; т.е. вы не можете настроить B-канал, с которым связан пользователь. Единственной вещью, которую можно настроить, является Канал D, который влияет на всех. Однако если пользователь настраивает многоканальное подключение для сеанса, сервер доступа автоматически создаст интерфейс виртуального доступа, который будет выполнять функции группового интерфейса для пользователя. Фоновый процесс работает на интерфейсах виртуального доступа, однако он не работает при одноканальных вызовах ISDN, в которых отсутствует интерфейс виртуального доступа. Таким образом, если для пользователей одного канала-носителя, которые не согласовывают группу линий передачи данных, понадобится установить персональное время ожидания, следует активировать виртуальные профили. **Включение виртуальных профилей принудительно вызывает создание интерфейса доступа для всех пользователей (не многоканальных пользователей), и низкоприоритетный процесс может успешно вставить команды ppp timeout idle и timeout absolute**. Если вы примете решение не включить виртуальные профили, то пользователи асинхронной связи и многоканальные пользователи ISDN будут в состоянии примениться ко временам ожидания для отдельных пользователей их. К одноканальным пользователям ISDN не применяется время ожидания для каждого пользователя. Только глобальные таймауты, статически настроенные на интерфейсе (если таковые имеются), применятся. Если попытаться применить время ожидания для отдельного пользователя к пользователю немногоканальной сети ISDN и не включить функцию virtual-profiles, при соединении пользователю не удастся пройти авторизацию, поскольку функция access-server не сможет обработать обязательные атрибуты времени ожидания для отдельного пользователя.

Кроме того, опция была добавлена к версиям Cisco IOS 11.3 (8.1) T и позднее, который позволяет временам ожидания для отдельных пользователей быть примененными к пользователям ISDN немногоканального. Она обязательно проходит фоновый режим конфигурации процесса, который обычно используется, и устанавливает таймеры непосредственно на B-канал без использования интерфейса командной строки.

В заключение в процессе настройки можно выделить два основных правила:

- Не используя виртуальные профили, настройте **внутриполосного номеронабирателя** на асинхронных интерфейсах и выполните Cisco IOS 11.3 (8.1) T или позже. При использовании программного обеспечения Cisco IOS версии 11.3(8)T учитывайте, что таймауты не применяются к каждому одноканальному пользователю ISDN, иначе происходит сбой соединения.

- При использовании виртуальных профилей программное обеспечение Cisco IOS версии 11.3(8)T или более поздней будет работать хорошо.

Проверка

В настоящее время для этой конфигурации нет процедуры проверки.

Устранение неполадок

В этом разделе описывается процесс устранения неполадок конфигурации. В целях отладки включены шесть примеров выходных данных вызова. Для перехода непосредственно к определенному разделу выберите одну из ссылок ниже:

Некоторые команды show поддерживаются Средством интерпретации выходных данных(только зарегистрированные клиенты), которое позволяет просматривать аналитику выходных данных команды show.

Примечание: Прежде чем вызывать команды debug, обратитесь к разделу Важные сведения о командах отладки.

- Асинхронный вызов с виртуальными профилями - соединение без выхода из холостого режима
- Асинхронный вызов с виртуальными профилями - подключение простаивает
- Асинхронный вызов без виртуальных профилей
- Многоканальный вызов ISDN с одним трактом без виртуальных профилей
- Немногоканальный вызов ISDN с одним трактом без виртуальных профилей
- Немногоканальный вызов ISDN с одним трактом с виртуальными профилями

Примечание: Чтобы видеть те же команды и вывести, которые представлены ниже, необходимо выполнять версию Cisco IOS 11.3AA или версию 12.0T.

Асинхронный вызов с виртуальными профилями - соединение без выхода из холостого режима

Ниже представлен асинхронный вызов с виртуальными профилями. В профиле установлено абсолютное время ожидания 90 секунд и интервал простоя 60 секунд. В этом примере соединение простаивать не будет. См. комментарии в выходных данных ниже для получения дополнительной информации. Комментарии выделены и в курсивном тексте.

```
!--- 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#2interface 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
```

Асинхронный вызов с виртуальными профилями - подключение простаивает

Ниже представлен асинхронный вызов с виртуальными профилями. Имя пользователя используется такое же, как в примере выше. В профиле установлено абсолютное время ожидания 90 секунд и интервал простоя 60 секунд. В данном примере подключение простаивает. Комментариев к этому примеру нет, но важные фрагменты вывода отмечены.

```
*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

Асинхронный вызов без виртуальных профилей

Ниже представлен асинхронный вызов без задействованных виртуальных профилей. **Обратите внимание, что команда dialer idle-timeout используется вместо команды ppp timeout idle, так как мы не используем виртуальные профили и не существует интерфейсов виртуального доступа.** Вы будете также видеть, что мы создаем команду **времени ожидания для отдельных пользователей** и, в то же время, **никакая** версия команд. Команды **таймера для отдельных пользователей** установлены сразу, в то время как **никакая** версия команд не ставится в очередь к интерфейсу, который будет обработан, когда пользователь разъединяет.

*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

Многоканальный вызов ISDN с одним трактом без виртуальных профилей

Ниже многоканальный вызов ISDN без включенных виртуальных профилей. Поскольку многоканальный вызов создает vaccess-интерфейс, таймеры могут быть легко установлены.

*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

Немногоканальный вызов ISDN с одним трактом без виртуальных профилей

Ниже находится немногоканальный вызов ISDN с одним трактом без виртуальных профилей. В данном примере мы выполняем Cisco IOS 11.3 (8.2) aa, таким образом, эти таймеры могут быть установлены правильно. Однако обратите внимание, что никакие команды настройки не были созданы для порождения этого; таймеры были установлены внутренне в коде.

*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

Немногоканальный вызов ISDN с одним трактом с виртуальными профилями

Ниже тот же немногоканальный одноканальный пользователь ISDN, но на этот раз с включенными виртуальными профилями. Обратите внимание на то, что интерфейс виртуального доступа создан даже при том, что многоканальный *не* выполнен согласование, и мы создаем команды настройки для установки таймеров.

*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

Дополнительные сведения

- Страницы поддержки технологии коммутации
- Техническая поддержка - Cisco Systems