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## Introduction

Ce conseil technique explique comment implémenter des délais d'attente de par-utilisateur sur des serveurs d'accès Cisco. Pour que les délais d'attente de par-utilisateur fonctionnent correctement, vous devez exécuter la version 11.3(8)T ou ultérieures de Cisco IOS. Si vous exécutez une version antérieure de Cisco IOS, les temporisateurs pourraient seulement fonctionner en certaines configurations de base, telles qu'async seulement sans des Profils virtuels.

Ce document couvre la configuration du serveur d'accès à distance (NAS) et du serveur d'Authentification, autorisation et comptabilité (AAA). Il également fournit l'**exposition** et **met au point** la sortie de commande ainsi vous pouvez confirmer si vos périphériques fonctionnent correctement, et ainsi vous pouvez mettre au point tous les problèmes.

## Conditions préalables

### Conditions requises

Aucune spécification déterminée n'est requise pour ce document.

### Composants utilisés

Les informations contenues dans ce document sont basées sur les versions de matériel et de

logiciel suivantes :

- Version 11.3(8)T ou ultérieures de Cisco IOS

Les informations contenues dans ce document ont été créées à partir des périphériques d'un environnement de laboratoire spécifique. Tous les périphériques utilisés dans ce document ont démarré avec une configuration effacée (par défaut). Si votre réseau est opérationnel, assurez-vous que vous comprenez l'effet potentiel de toute commande.

## Conventions

Pour plus d'informations sur les conventions utilisées dans ce document, reportez-vous aux [Conventions relatives aux conseils techniques Cisco](#).

## Détails techniques

Avant de discuter les délais d'attente de par-utilisateur, qui apportent d'autres variables comme la configuration d'AAA et les serveurs RADIUS/TACACS+, nous examinerons comment configurer un serveur d'accès pour des réparer-délais d'attente, qui est des délais d'attente que sont appliqués sur une base globale et sont appliqués à chacun qui se connecte.

Les commandes Cisco IOS principales sont **dialer idle-timeout** et **timeout absolute**. Chacun de ceux là sont des commandes de configuration d'interface. Nous discuterons également une troisième commande, le **ppp timeout idle**, qui est utilisé sur des interfaces de vaccess.

### <x> de dialer idle-timeout

Cette commande peut être configurée sur tous les interface et contrôles numéroteur-capables combien de temps la connexion peut être de veille (en quelques secondes) avant qu'elle soit terminée. Répertoriés ci-dessous sont quatre vous dirige devraient noter au sujet de cette commande :

1. Cette commande peut seulement être appliquée aux interfaces qui sont numéroteur-capables. Par défaut que toutes les interfaces RNIS (BRI et PRI) soyez numéroteur-capable, ainsi ajoutant cette commande n'est pas un problème. Les interfaces asynchrones (interfaces asynchrones du groupe y compris) ne sont pas numéroteur-capables par défaut, vous doivent les faire ainsi en présentant l'**inband** de commande dialer. Seulement après écrire l'ordre de **dialer in-band** sur l'interface asynchrone pouvez vous configurer le **dialer idle-timeout**. **NoteRemarque:** Le vtemplate (et donc les interfaces de vaccess) ne sont pas numéroteur-capables (ils sont point par point seulement) et ne peuvent pas utiliser ainsi cette commande.
2. Sur une interface numéroteur-capable (c'est-à-dire, le RNIS ou async avec le dialer in-band), le par défaut est le **dialer idle-timeout 120** (secondes). C'est généralement trop court dans un environnement ISP, ainsi vous devriez presque toujours augmenter ceci.
3. Le **dialer idle-timeout** par défaut est seulement remis à l'état initial sur le trafic sortant (le trafic vers l'utilisateur) qui apparie le dialer-list (c'est-à-dire, il est considéré intéressant). Il est possible de le remettre à l'état initial pour le trafic intéressant d'arrivée aussi bien en ajoutant **l'un ou l'autre de** mot clé à la fin de la commande (c'est-à-dire, **dialer idle-timeout 600 l'un ou l'autre**).
4. Le trafic considéré « intéressant » est défini par la commande de <n> de **dialer-list**, où le <n>

apparie le nombre dans votre appel de procédure de `<n>` de **dialer-group**.  
`<y>` de `<x>` de **timeout absolute**

Cette commande peut être configurée sur n'importe quelle interface WAN, y compris des interfaces asynchrones, des interfaces RNIS, des interfaces de numérotation, et des interfaces de vtemplate. Il contrôle combien de temps la connexion peut être en hausse avant qu'elle soit terminée. Notez que la syntaxe est `<y>` de `<x>` où le `<x>` a lieu en quelques minutes et le `<y>` a lieu en quelques secondes.

### `<x>` de **ppp timeout idle**

Cette commande peut seulement être configurée sur des interfaces de vtemplate (et est même masqué dans le programme d'analyse syntaxique), et des contrôles combien de temps la connexion peut être de veille (en quelques secondes) avant qu'elle soit terminée. Sa fonction est très semblable à celle de la commande de **dialer idle-timeout** sur des interfaces de numérotation, seulement le **ppp timeout idle** est pour des interfaces vtemplate/vaccess. Puisqu'il est utilisé spécifiquement sur des interfaces vtemplate/vaccess, cette commande est appropriée pour des configurations de virtuel-profil (où une interface de vaccess est toujours créée pour un utilisateur), et des passerelles domestiques de Réseau privé virtuel à accès commuté (VPDN) (où les interfaces projetées est toujours terminées sur une interface de vaccess). À la différence de la commande de **dialer idle-timeout**, il n'y a aucun concept du trafic intéressant, et tout le trafic d'utilisateur remettra à l'état initial ainsi le temporisateur de veille. Les paquets du trafic de non-utilisateur tel que le Keepalives du Link Control Protocol (LCP) et de négociation de protocole de contrôle de réseau (NCP) ne remettent pas à l'état initial le temporisateur.

## Configurez

Cette section vous fournit des informations pour configurer les fonctionnalités décrites dans ce document.

**Remarque:** Pour obtenir des informations supplémentaires sur les commandes utilisées dans ce document, utilisez l'[Outil de recherche de commande](#) ([clients enregistrés](#) seulement).

Ce document utilise les configurations suivantes :

- [Configuration de base \(Profils virtuels non activés\)](#)
- [Délais d'attente globaux](#)
- [Délais d'attente de Par-utilisateur - Configuration du serveur d'AAA](#)
- [Délais d'attente de Par-utilisateur - Configuration de NAS](#)

### Configuration de base (Profils virtuels non activés)

Pour apprendre des buts, nous assumerons une configuration de base telle que celle ci-dessous. La caractéristique de Profils virtuels n'est pas activée.

<b>Configuration de base</b>
<pre>!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</pre>

```

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
$!$oMKx$kPcoplzxxkpxa8fkxXBWp21!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-Templatel 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

```

## Délais d'attente globaux

Pour l'exemple suivant, nous imposerons un délai d'attente d'inactif de 30 minutes (1800 secondes) et une temporisation absolue de trois heures (de 180 minutes) pour des utilisateurs. La modification de configuration de delta qui activera des **délais d'attente globaux de ppp** sera comme suit :

```

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

```

Si vous n'avez pas un dialer-list 1, vous devrez définir un. Le plus simple serait **autorisation d'IP de protocole du dialer-list 1**.

Si vous utilisez des Profils virtuels, votre configuration peut être plus facile parce que vous pouvez juste mettre le délai d'attente sur l'**interface de modèle virtuel**, comme affiché ci-dessous :

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

## Délais d'attente de Par-utilisateur - Configuration du serveur d'AAA

Maintenant que nous avons travaillé aux délais d'attente globaux, nous étendrons cette connaissance aux délais d'attente de par-utilisateur. Vos valeurs de temporisateur de par-utilisateur seront livrées vers le bas pendant l'autorisation de réseau, ainsi vous devez avoir la commande d'**aaa authorization network** configurée à Qu'est ce que méthode vous utilisez, qui est RAYON ou TACACS+. Notez également que les temporisateurs de par-utilisateur ignoreront toujours toutes les valeurs globales qui sont préconfigurées sur le NAS. La manière que le travail de temporisateurs de par-utilisateur est que quand le serveur d'accès reçoit le délai d'attente attribué pendant la phase d'autorisation de réseau, ce traduira ces attributs en ensemble de commandes de configuration qui seront sélectionnées dans l'interface à laquelle l'utilisateur sera connecté. Ces commandes de configuration qui sont sélectionnées dans l'interface par un processus en arrière-plan sont provisoires ; ils sont retirés quand les débranchements d'utilisateur.

Répertoriés ci-dessous sont plusieurs profils utilisateurs d'échantillon sur le serveur :

### Profils 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
```

**Remarque:** Votre syntaxe peut varier selon la façon dont votre dictionnaire est installé.

### Profils TACACS+

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

## Délais d'attente de Par-utilisateur - Configuration de NAS

Si vous êtes faire seulement async (aucun RNIS), et pas utilisant des Profils virtuels, tant que vous avez le **dialer in-band** configuré sur (ou le group-async) les interfaces async, les temporisateurs de par-utilisateur devraient fonctionner. Le processus en arrière-plan insérera les temporisateurs sur l'interface asynchrone, utilisant les commandes de **dialer idle-timeout** et de **timeout absolute** avec les valeurs passées dedans de RADIUS/TACACS+, et les enlève quand les débranchements d'utilisateur.

Si vous êtes faire seulement async (aucun RNIS), et utilisez des Profils virtuels, vous n'avez pas besoin de **dialer in-band** configuré sur (ou de group-async) l'interface async. Il devrait juste fonctionner. Le processus en arrière-plan insérera les temporisateurs sur les vaccess se connectent par interface, utilisant les commandes de **ppp timeout idle** et de **timeout absolute** aux valeurs passées dedans de RADIUS/TACACS+, et les enlèvent quand les débranchements

d'utilisateur.

Si vous avez les utilisateurs RNIS et vous le besoin de faire des temporisateurs de par-utilisateur, vous pouvez devoir utiliser des Profils virtuels. La raison est parce que le processus en arrière-plan que nous avons discuté préalablement ne fonctionne pas pour des interfaces RNIS ; c'est-à-dire, vous ne pouvez pas configurer le canal B auquel l'utilisateur est connecté. La seule chose que vous pouvez configurer est le canal D qui affecte chacun. Cependant si un utilisateur négocie le multilink sur une session, le serveur d'accès créera automatiquement une interface d'accès virtuel qui agit en tant qu'interface de paquet pour l'utilisateur. Le processus en arrière-plan travaille aux interfaces d'accès virtuel, mais cela ne fonctionne pas sur un appel de non-Multilien le RNIS où il n'y a aucune interface d'accès virtuel. Ainsi, si vous aurez des utilisateurs simples de canal B qui ne négocient pas le multilink et vous voulez installer des délais d'attente de par-utilisateur pour eux, vous devez activer des Profils virtuels. Activant des Profils virtuels force une création d'une interface de vaccess pour tous les utilisateurs (pas simplement les utilisateurs de multilink) et le processus en arrière-plan peut avec succès insérer les commandes de **ppp timeout idle** et de **timeout absolute**. Si vous choisissez de ne pas activer des Profils virtuels, les utilisateurs asynchrones et les utilisateurs RNIS de multilink pourront avoir des délais d'attente de par-utilisateur appliqués à eux. Mais, les utilisateurs RNIS de non-Multilien ne peuvent pas avoir des délais d'attente de par-utilisateur appliqués à eux. Seulement les délais d'attente globaux statiquement configurés sur l'interface (le cas échéant) s'appliqueront. Si vous essayez de s'appliquer des délais d'attente de par-utilisateur à un utilisateur RNIS de non-Multilien et ne faites pas activer des Profils virtuels, la connexion utilisateur échouera autorisation parce que le serveur d'accès ne pouvait pas traiter les attributs obligatoires de délai d'attente de par-utilisateur.

Supplémentaire, une caractéristique a été ajoutée au Cisco IOS 11.3(8.1)T et aux versions ultérieures qui permet des délais d'attente de par-utilisateur à appliquer aux utilisateurs RNIS de non-Multilien. Il essentiellement saute le mode de configuration de processus en arrière-plan qui est habituellement utilisé et place les temporisateurs directement sur le canal B sans utiliser l'interface de ligne de commande.

Pour récapituler cette installation compliquée, voici deux vous ordonne peut suivre :

- Sinon utilisant des Profils virtuels, configurez le **dialer in-band** sur les interfaces asynchrones et le Cisco IOS 11.3(8.1)T de passage ou plus tard. Si vous êtes le Cisco IOS courant 11.3(8)T, prenez garde que les utilisateurs RNIS de non-Multilien ne peuvent pas avoir des délais d'attente de par-utilisateur appliqués à eux, autrement ils ne se connecteront pas.
- Si utilisant des Profils virtuels, le Cisco IOS 11.3(8)T ou plus tard fonctionnera bien.

## Vérifiez

Aucune procédure de vérification n'est disponible pour cette configuration.

## Dépannez

Cette section fournit des informations que vous pouvez utiliser pour dépanner votre configuration. Aux fins du débogage, six exemples de sortie d'appel sont inclus. Pour brancher directement à une section particulière, sélectionnez un des liens ci-dessous :

Certaines commandes **show** sont prises en charge par l'[Output Interpreter Tool](#) ([clients enregistrés](#) uniquement), qui vous permet de voir une analyse de la sortie de la commande show.

**Remarque:** Avant d'émettre des commandes de débogage, référez-vous aux [informations importantes sur des commandes de debug](#).

- [Appel asynchrone avec des Profils virtuels - La connexion ne tourne pas au ralenti](#)
- [Appel asynchrone avec des Profils virtuels - La connexion tourne au ralenti](#)
- [Appel asynchrone sans Profils virtuels](#)
- [Appel du canal unique le RNIS de Multilien sans Profils virtuels](#)
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- [Appel du canal unique le RNIS de Non-Multilien avec des Profils virtuels](#)

**Remarque:** Pour voir les mêmes commandes et sortie qui sont présentées ci-dessous, vous devez être Cisco IOS courant version 11.3AA ou version 12.0T.

## [Appel asynchrone avec des Profils virtuels - La connexion ne tourne pas au ralenti](#)

Est ci-dessous un appel asynchrone avec des Profils virtuels. Le profil installe une seconde temporisation absolue 90 et un seconde délai d'attente 60 de veille. Dans cet exemple, nous ne permettrons pas l'inactif de connexion. Voyez les commentaires dans la sortie ci-dessous pour plus de détails. Des commentaires sont mis en valeur et en texte en italiques.

```
!--- 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: 0 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: 0
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: 0 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: V1 VTEMPLATE: Set default settings with no ip address, encaps ppp\*Mar 4 19:22:16.440: V1 VTEMPLATE: Hardware address 00e0.1e81.636c\*Mar 4 19:22:16.440: V1 VTEMPLATE: Has a new cloneblk vtemplate, now it has vtemplate\*Mar 4 19:22:16.440: V1 VTEMPLATE: \*\*\*\*\* CLONE VACCESS1 \*\*\*\*\*\*Mar 4 19:22:16.440: V1 VTEMPLATE: Clone from Virtual-Templatelinterface Virtual-Accessldefault 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 mppcpcppp callback acceptppp authentication chap pap ms-chappppp multilinkmultilink max-links 2end\*Mar 4 19:22:16.504: V1 CCP: Re-Syncing history using legacy method!--- Now add the per-user timeouts we constructed for this user.\*Mar 4 19:22:16.520: V1 VTEMPLATE: Has a new cloneblk AAA, now it has vtemplate/AAA\*Mar 4 19:22:16.520: V1 VTEMPLATE: \*\*\*\*\* CLONE VACCESS1 \*\*\*\*\*\*Mar 4 19:22:16.520: V1 VTEMPLATE: Clone from AAAinterface Virtual-Accessltimeout 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: V1 PPP: Treating connection as a dedicated line\*Mar 4 19:22:16.536: V1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially\*Mar 4 19:22:16.536: V1 AAA/AUTHOR/FSM: (0): Can we start IPCP?\*Mar 4 19:22:16.536: AAA/AUTHOR/FSM V1 (1906691625): Port='Async53' list='' service=NET\*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: V1 (1906691625) send AV service=ppp\*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: V1 (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: V1 (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: V1 AAA/AUTHOR/FSM: We can start IPCP\*Mar 4 19:22:16.536: V1 AAA/AUTHOR/FSM: (0): Can we start CCP?\*Mar 4 19:22:16.536: AAA/AUTHOR/FSM V1 (282953275): Port='Async53' list='' service=NET\*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: V1 (282953275) send AV service=ppp\*Mar 4 19:22:16.536: AAA/AUTHOR/FSM: V1 (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: V1 (282953275) METHOD=RADIUS\*Mar 4 19:22:16.540: AAA/AUTHOR (282953275): Post authorization status = PASS\_REPL\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/FSM: We can start CCP\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/IPCP: Processing AV service=ppp\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/IPCP: Authorization succeeded\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/FSM: Check for unauthorized mandatory AV's\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/FSM: Processing AV service=ppp\*Mar 4 19:22:16.540: V1 AAA/AUTHOR/FSM: Succeeded\*Mar 4 19:22:16.656: V1 AAA/AUTHOR/FSM: Check for unauthorized mandatory AV's\*Mar 4 19:22:16.656: V1 AAA/AUTHOR/FSM: Processing AV



```
service=ppp*Mar 4 19:22:16.656: Vil 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: Vil
AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.3*Mar 4 19:22:19.516: Vil
AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:22:19.516: Vil AAA/AUTHOR/IPCP: Processing
AV addr=0.0.0.0*Mar 4 19:22:19.516: Vil AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4
19:22:19.516: Vil AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.1.1.3*Mar 4
19:22:19.608: Vil AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.1.1.3*Mar 4
19:22:19.608: Vil AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4 19:22:19.608: Vil
AAA/AUTHOR/IPCP: Processing AV addr=0.0.0.0*Mar 4 19:22:19.608: Vil AAA/AUTHOR/IPCP:
Authorization succeeded*Mar 4 19:22:19.612: Vil AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we
want 10.1.1.3*Mar 4 19:22:19.704: Vil 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 Vil (785695075): Port='Async53' list=''
service=NET*Mar 4 19:22:19.708: AAA/AUTHOR/IPCP: Vil (785695075) send AV service=ppp*Mar 4
19:22:19.708: AAA/AUTHOR/IPCP: Vil (785695075) send AV protocol=ip*Mar 4 19:22:19.708:
AAA/AUTHOR/IPCP: Vil (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: Vil (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: Vil AAA/AUTHOR/IPCP: Processing AV service=ppp*Mar 4
19:22:19.708: Vil AAA/AUTHOR/IPCP: Processing AV addr=10.1.1.3*Mar 4 19:22:19.708: Vil
AAA/AUTHOR/IPCP: Authorization succeeded*Mar 4 19:22:19.708: Vil AAA/AUTHOR/IPCP: Done. Her
address 10.1.1.3, we want 10.1.1.3*Mar 4 19:22:19.708: Vil AAA/AUTHOR/PER-USER: Event IP_UP*Mar
4 19:22:19.708: Vil 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 Vil 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 - - - Vil 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 Vil, 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 - - - Vil 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 Vil 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 10.1.1.3Type 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 - - - Vil timeout
00:01:30 00:01:00 00:00:58!--- Ping again to reset the idle timer.access-3#ping 10.1.1.3Type
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 - - - Vil 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 Vil, 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: Vil 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: Vil AAA/AUTHOR/PER-USER: Event IP_DOWN*Mar 4 19:23:47.540: Vil 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: Vil VTEMPLATE: Found a dirty
vaccess clone with vtemplate/AAA*Mar 4 19:23:48.140: Vil VTEMPLATE: ***** UNCLONE
VACCESS1 ******Mar 4 19:23:48.140: Vil 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: Vil VTEMPLATE: Set default settings with
no ip address*Mar 4 19:23:48.176: Vil VTEMPLATE: Remove cloneblk AAA with vtemplate/AAA*Mar 4
19:23:48.180: Vil VTEMPLATE: ***** UNCLONE VACCESS1 ******Mar 4 19:23:48.180:
Vil 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 encaps
pppdefault ip addressend*Mar 4 19:23:48.264: Vil VTEMPLATE: Set default settings with no ip
address*Mar 4 19:23:48.284: Vil VTEMPLATE: Remove cloneblk vtemplate with vtemplate/AAA*Mar 4
19:23:48.284: Vil 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
```

## [Appel asynchrone avec des Profils virtuels - La connexion tourne au ralenti](#)

Est ci-dessous un appel asynchrone avec des Profils virtuels. Il a le même nom d'utilisateur que l'exemple ci-dessus. Le profil installe une seconde temporisation absolue 90 et un seconde délai d'attente 60 de veille. Dans cet exemple, nous permettrons l'inactif de connexion. Il n'y a aucun commentaire ci-dessous, mais l'importante sortie a été mise en valeur.

```
*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: Vil VTEMPLATE: Reuse Vil, recycle queue size 0*Mar 4 19:25:07.028: Vil 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-Templatelinterface  
Virtual-Accessldefault 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 mppc ppp 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 rcv 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#15**interface 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 encaps 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

## Appel asynchrone sans Profils virtuels

Est ci-dessous un appel asynchrone sans Profils virtuels activés. Notez que la commande de **dialer idle-timeout** est utilisée au lieu de la commande de **ppp timeout idle** puisque nous n'utilisons pas des Profils virtuels et il n'y a aucune interface de vaccess. Vous nous verrez également ne créer la commande de **délai d'attente de par-utilisateur** et, en même temps, **l'aucune** version des commandes. Les commandes de **temporisateur de par-utilisateur** sont installées immédiatement,

alors que l'aucune version des commandes ne sont mises en file d'attente à l'interface à traiter quand les débranchements d'utilisateur.

```
*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 rcv 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

## Appel du canal unique le RNIS de Multilien sans Profils virtuels

Est ci-dessous un appel du multilink le RNIS sans Profils virtuels activés. Puisqu'un appel multiliason crée les vaccess relie, les temporisateurs peuvent être installés facilement.

```
*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: Vil VTEMPLATE: Reuse
Vil, recycle queue size 0*Mar 4 19:41:14.980: Vil VTEMPLATE: Hardware address 00e0.1e81.636c*Mar
4 19:41:14.980: Vil VTEMPLATE: Has a new cloneblk dialer, now it has dialer*Mar 4 19:41:14.980:
Vil VTEMPLATE: Has a new cloneblk AAA, now it has dialer/AAA*Mar 4 19:41:14.980: Vil VTEMPLATE:
***** CLONE VACCESS1 ******Mar 4 19:41:14.980: Vil VTEMPLATE: Clone from
AAAinterface Virtual-Access!timeout absolute 1 30ppp timeout idle 60end*Mar 4 19:41:14.996: Vil
PPP: Treating connection as a callin*Mar 4 19:41:14.996: AAA/AUTHOR/MLP Vil: 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

```

## [Appel du canal unique le RNIS de Non-Multilien sans Profils virtuels](#)

Est ci-dessous un appel du canal unique le RNIS de non-Multilien sans Profils virtuels activés. Dans cet exemple, nous sommes le Cisco IOS courant 11.3(8.2)AA ainsi ces temporisateurs peuvent être installés correctement. Cependant, notez qu'aucune commande de configuration n'a été créée d'entraîner ceci ; les temporisateurs ont été placés intérieurement dans le code.

```

*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 FFFFFFFF\*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 10.1.1.3Type

```

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 10.1.1.3Type 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

```

## [Appel du canal unique le RNIS de Non-Multilien avec des Profils virtuels](#)

Est ci-dessous le même utilisateur RNIS de canal unique de non-Multilien mais cette fois avec des Profils virtuels activés. Notez que l'interface de vaccess est créée quoique le multilink ne soit pas négocié et nous créons les commandes de configuration d'installer les temporisateurs.

```

*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-Templatelinterface 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/PCP: Start. Her address 0.0.0.0, we want 0.0.0.0\*Mar 4 19:45:02.980: Vi1  
AAA/AUTHOR/PCP: Processing AV service=ppp\*Mar 4 19:45:02.980: Vi1 AAA/AUTHOR/PCP: Processing  
AV addr=0.0.0.0\*Mar 4 19:45:02.980: Vi1 AAA/AUTHOR/PCP: Authorization succeeded\*Mar 4  
19:45:02.980: Vi1 AAA/AUTHOR/PCP: Done. Her address 0.0.0.0, we want 0.0.0.0\*Mar 4  
19:45:02.996: Vi1 AAA/AUTHOR/PCP: Start. Her address 10.1.1.3, we want 10.1.1.3\*Mar 4  
19:45:02.996: AAA/AUTHOR/PCP Vi1 (1804338759): Port='Serial0:18' list='' service=NET\*Mar 4  
19:45:02.996: AAA/AUTHOR/PCP: Vi1 (1804338759) send AV service=ppp\*Mar 4 19:45:02.996:  
AAA/AUTHOR/PCP: Vi1 (1804338759) send AV protocol=ip\*Mar 4 19:45:02.996: AAA/AUTHOR/PCP: Vi1  
(1804338759) send AV addr\*10.1.1.3\*Mar 4 19:45:02.996: AAA/AUTHOR/PCP (1804338759) found list  
"default"\*Mar 4 19:45:02.996: AAA/AUTHOR/PCP: 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/PCP: Processing AV service=ppp\*Mar 4 19:45:02.996: Vi1  
AAA/AUTHOR/PCP: Processing AV addr=10.1.1.3\*Mar 4 19:45:02.996: Vi1 AAA/AUTHOR/PCP:  
Authorization succeeded\*Mar 4 19:45:02.996: Vi1 AAA/AUTHOR/PCP: 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 10.1.1.3Type
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 rcv 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 encaps
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

```

## [Informations connexes](#)

- [Pages d'assistance sur la technologie de numérotation](#)
- [Support technique - Cisco Systems](#)