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## 概要

このドキュメントでは、TACACS+ 使用によるレイヤ 2 トンネル プロトコル ( L2TP ) の設定方法について説明します。これは L2TP アクセス コンセントレータ ( LAC ) TACACS+ サーバ、L2TP ネットワーク サーバ ( LNS ) TACACS+ サーバ、およびルータの設定例を説明します。

## 前提条件

### 要件

このドキュメントに関する固有の要件はありません。

### 使用するコンポーネント

このドキュメントの情報は、次のソフトウェアとハードウェアのバージョンに基づくものです。

- Cisco 2511 ルータ 2 台
- Cisco IOS(R) ソフトウェア リリース 12.0 ( 2 ) .T
- Cisco Secure UNIX、Cisco Secure Windows、または TACACS+ フリーウェア

このドキュメントの情報は、特定のラボ環境にあるデバイスに基づいて作成されたものです。このドキュメントで使用するすべてのデバイスは、クリアな ( デフォルト ) 設定で作業を開始して

います。ネットワークが稼働中の場合は、コマンドが及ぼす潜在的な影響を十分に理解しておく必要があります。

## 表記法

ドキュメント表記の詳細は、『[シスコテクニカルティップスの表記法](#)』を参照してください。

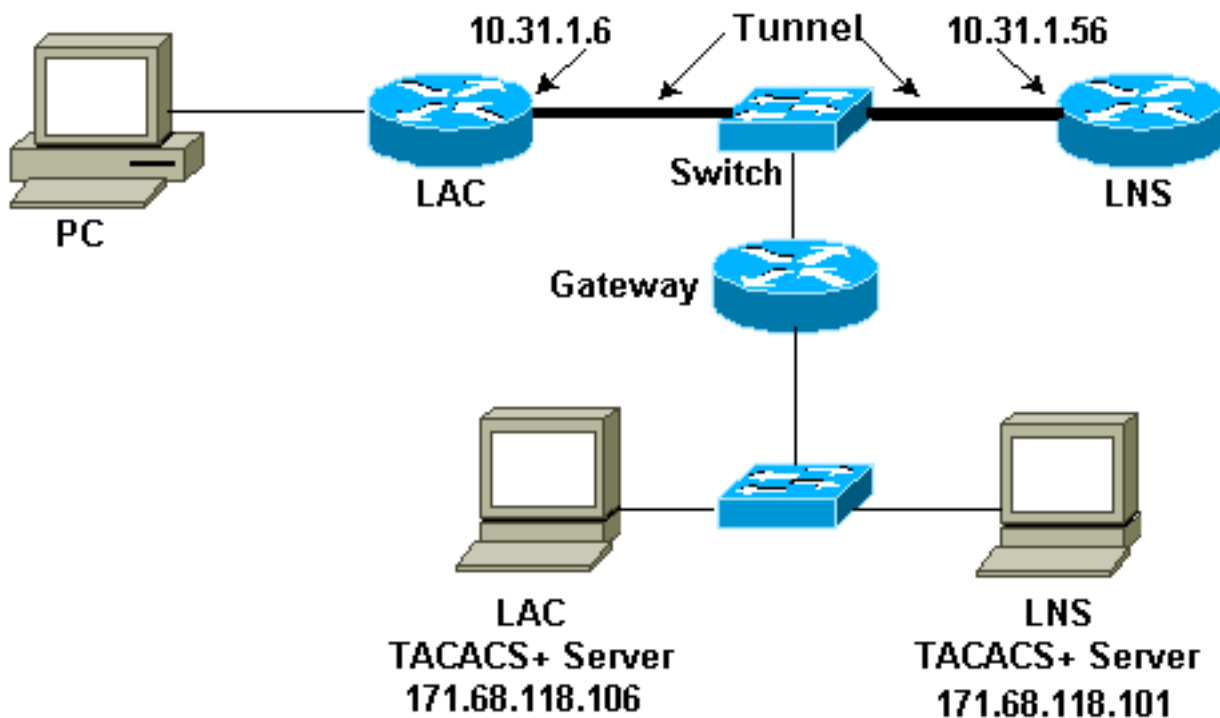
## 設定

この項では、このドキュメントで説明する機能の設定に必要な情報を提供します。

注このドキュメントで使用されているコマンドの詳細を調べるには、[Command Lookup Tool](#) (登録ユーザ専用) を使用してください。

## ネットワーク図

このドキュメントでは、次の図で示されるネットワーク構成を使用しています。



## TACACS+ サーバ設定

### [LAC設定- Cisco Secure UNIX](#)

### [LNS 設定- Cisco Secure UNIX](#)

### [LAC設定- Cisco Secure Windows](#)

の LAC を設定するためにこれらのステップを Cisco Secure Windows 完了して下さい:

1. 標準 PPP ユーザとしてユーザ rtp\_tunnel を設定して下さい ( ユーザセットアップのパスワ

- ードや CHAP パスワード )。
2. ユーザを group\_1 に置き、サービス PPP/IP をチェックして下さい。 そのボックスが表示する場合 PPP/LCP をチェックして下さい。
  3. ユーザを設定して下さい rtp.cisco.com。 パスワードはです「気遣いません」。
  4. いくつかのオプションがグループ設定で表示する場合、インターフェイスコンフィギュレーションに行き、それらを現われるために得るようにボックスを選択して下さい。
  5. ユーザを group\_2 に置き、サービス PPP/PPDN をチェックして下さい。 tunnel-id は rtp\_tunnel です、IPアドレスリストは長方形カスタム属性 ボックスの下に 10.31.1.56、型 tunnel-type=l2tp であり。

## [LNS 設定- Cisco Secure Windows](#)

Cisco Secure Windows のための LNS を設定するためにこれらのステップを完了して下さい:

1. ユーザの ABCDE」および「正常な PPP ユーザとして janedoe@rtp.cisco.com を」設定して下さい ( ユーザセットアップのパスワードや CHAP パスワード )。
2. ユーザを group\_3 に置き、サービス PPP/IP をチェックして下さい。 そのボックスが表示する場合 PPP/LCP をチェックして下さい。

## [LAC TACACS+ フリーウェア の 設定](#)

## [LNS TACACS+ フリーウェア の 設定](#)

## [ルータの設定](#)

|            |
|------------|
| LAC ルータの設定 |
|------------|

|            |
|------------|
| LNS ルータの設定 |
|------------|

## [確認](#)

## [両方のルータからのShowコマンド出力](#)

このセクションでは、設定が正常に動作しているかどうかを確認する際に役立つ情報を提供しています。

特定の show コマンドは、[Output Interpreter Tool](#) ( [登録](#) ユーザ専用 ) によってサポートされています。このツールを使用すると、show コマンド出力の分析を表示できます。

## [LAC ルータ](#)

```
LAC#show vpdn sessionL2TP Session Information (Total tunnels=1 sessions=1)LocID RemID TunID Intf
Username State Last Chg1 1 76 As1 janedoe@rtp.c est 00:00:32% No active L2F tunnelsLAC#show vpdn
tunnelL2TP Tunnel Information (Total tunnels=1 sessions=1)LocID RemID Remote Name State Remote
Address Port Sessions76 58 ABCDE est 10.31.1.56 1701 1 % No active L2F tunnels
```

## [LNS ルータ](#)

```
LNS#show vpdn sessionL2TP Session Information (Total tunnels=1 sessions=1)LocID RemID TunID Intf
```

```
Username State Last Chg1 1 58 Vi1 janedoe@rtp.c est 00:01:55% No active L2F tunnelsLNS#show vpdn
tunnel L2TP Tunnel Information (Total tunnels=1 sessions=1)LocID RemID Remote Name State Remote
Address Port Sessions58 76 rtp_tunnel est 10.31.1.144 1701 1 % No active L2F tunnels
```

## 両方のルータからのバージョン出力の表示

```
LAC#show versionCisco Internetwork Operating System Software IOS (tm) 2500 Software (C2500-IS-
L), Version 12.0(2)T, RELEASE SOFTWARE (fc1) Copyright (c) 1986-1998 by cisco Systems,
Inc.Compiled Wed 09-Dec-98 02:31 by dschwartzImage text-base: 0x030403B0, data-base:
0x00001000ROM: System Bootstrap, Version 11.0(10c), SOFTWAREBOOTFLASH: 3000 Bootstrap Software
(IGS-BOOT-R), Version 11.0(10c), RELEASE SOFTWARE (fc1)LAC uptime is 20 hours, 22 minutesSystem
restarted by reload at 16:13:55 UTC Fri Jan 29 1999System image file is "flash:c2500-is-1.120-
2.T"cisco 2511 (68030) processor (revision M) with 14336K/2048K bytes of memory.Processor board
ID 07041186, with hardware revision 00000000Bridging software.X.25 software, Version 3.0.0.1
Ethernet/IEEE 802.3 interface(s)2 Serial network interface(s)16 terminal line(s)32K bytes of
non-volatile configuration memory.16384K bytes of processor board System flash (Read
ONLY)Configuration register is 0x2102
```

## 考えられる問題 : LAC からの不適切なデバッグ

このデバッグ 出力はルータが不適切に設定されているとのシーケンスが停止するコメントが含まれています。

```
LAC#show debugGeneral OS:AAA Authentication debugging is onAAA Authorization debugging is onAAA
Accounting debugging is onVPN:L2X protocol events debugging is onL2X protocol errors debugging
is onVPDN events debugging is onVPDN errors debugging is onVTEMPLATE:Virtual Template debugging
is onLAC#Jan 30 12:17:09: As1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially20:03:18: %LINK-3-
UPDOWN: Interface Async1, changed state to upJan 30 12:17:09: As1 VPDN: Looking for tunnel --
rtp.cisco.com --Jan 30 12:17:09: AAA: parse name=Async1 idb type=10 tty=1Jan 30 12:17:09: AAA:
name=Async1 flags=0x11 type=4 shelf=0 slot=0 adapter=0 port=1 channel=0Jan 30
12:17:09: AAA/AUTHEN: create_user (0x278B90) user='rtp.cisco.com' ruser=''
port='Async1' rem_addr='' authen_type=NONE service=LOGIN priv=0Jan 30 12:17:09: AAA/AUTHOR/VPDN
(898425447): Port='Async1' list='default' service=NETJan 30 12:17:09:
AAA/AUTHOR/VPDN: (898425447) user='rtp.cisco.com'Jan 30 12:17:09: AAA/AUTHOR/VPDN: (898425447)
send AV service=pppJan 30 12:17:09: AAA/AUTHOR/VPDN: (898425447) send AV protocol=vpdnJan 30
12:17:09: AAA/AUTHOR/VPDN (898425447) found list "default"Jan 30 12:17:09: AAA/AUTHOR/VPDN:
(898425447) Method=TACACS+Jan 30 12:17:09: AAA/AUTHOR/TAC+: (898425447): user=rtp.cisco.comJan
30 12:17:09: AAA/AUTHOR/TAC+: (898425447): send AV service=pppJan 30 12:17:09: AAA/AUTHOR/TAC+:
(898425447): send AV protocol=vpdnJan 30 12:17:09: TAC+: (898425447): received author response
status = PASS_ADDJan 30 12:17:09: AAA/AUTHOR (898425447): Post authorization status =
PASS_ADDJan 30 12:17:09: AAA/AUTHOR/VPDN: Processing AV service=pppJan 30 12:17:09:
AAA/AUTHOR/VPDN: Processing AV protocol=vpdnJan 30 12:17:09: AAA/AUTHOR/VPDN: Processing AV
tunnel-type=l2tpJan 30 12:17:09: AAA/AUTHOR/VPDN: Processing AV tunnel-id=rtp_tunnel!--- If the
wrong tunnel termination IP address !--- is in the profile:Jan 30 12:56:30: AAA/AUTHOR/VPDN:
Processing AV ip-addresses=1.1.1.1Jan 30 12:17:09: AAA/AUTHOR/VPDN: Processing AV ip-
addresses=10.31.1.56Jan 30 12:17:09: As1 VPDN: Get tunnel info for rtp.cisco.com with LAC
rtp_tunnel, IP 10.31.1.56Jan 30 12:17:09: AAA/AUTHEN: free_user (0x278B90) user='rtp.cisco.com'
ruser='' port='Async1' rem_addr='' authen_type=NONE service=LOGIN priv=0!--- If the wrong tunnel
termination IP !--- address is in the profile:Jan 30 12:56:30: As1 VPDN: Forward to address
1.1.1.1!--- The connection eventually drops on this end and no !--- debug is seen on the other
end.Jan 30 12:17:09: As1 VPDN: Forward to address 10.31.1.56Jan 30 12:17:09: As1 VPDN:
Forwarding...Jan 30 12:17:09: AAA: parse name=Async1 idb type=10 tty=1Jan 30 12:17:09: AAA:
name=Async1 flags=0x11 type=4 shelf=0 slot=0 adapter=0 port=1 channel=0Jan 30 12:17:09:
AAA/AUTHEN: create_user (0x22CDEC) user='janedoe@rtp.cisco.com' ruser='' port='Async1'
rem_addr='async' authen_type=CHAP service=PPP priv=1Jan 30 12:17:09: As1 VPDN: Bind interface
direction=1Jan 30 12:17:09: Tnl/C1 74/1 L2TP: Session FS enabledJan 30 12:17:09: Tnl/C1 74/1
L2TP: Session state change from idle to wait-for-tunnelJan 30 12:17:09: As1 74/1 L2TP: Create
sessionJan 30 12:17:09: Tnl 74 L2TP: SM State idleJan 30 12:17:09: Tnl 74 L2TP: O SCCRQ Jan 30
12:17:09: Tnl 74 L2TP: Tunnel state change from idle to wait-ctl-replyJan 30 12:17:09: Tnl 74
L2TP: SM State wait-ctl-replyJan 30 12:17:09: As1 VPDN: janedoe@rtp.cisco.com is forwardedJan 30
12:17:10: Tnl 74 L2TP: I SCCRQ from ABCDEJan 30 12:17:10: Tnl 74 L2TP: Got a challenge from
remote peer, ABCDEJan 30 12:17:10: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:10:
AAA/AUTHEN: create_user (0x23232C) user='rtp_tunnel' ruser='' port='' rem_addr=''
```

```
authen_type=CHAP service=PPP priv=1Jan 30 12:17:10: AAA/AUTHEN/START (1598999635): port=''
list='default' action=SENDAUTH service=PPPJan 30 12:17:10: AAA/AUTHEN/START (1598999635): found
list defaultJan 30 12:17:10: AAA/AUTHEN (1598999635): status = UNKNOWNJan 30 12:17:10:
AAA/AUTHEN/START (1598999635): Method=TACACS+Jan 30 12:17:10: TAC+: send AUTHEN/START packet
ver=193 id=1598999635Jan 30 12:17:10: TAC+: ver=192 id=1598999635 received AUTHEN status =
ERRORJan 30 12:17:10: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:10: AAA/AUTHEN:
create_user (0x232470) user='rtp_tunnel' ruser='' port='' rem_addr='' authen_type=CHAP
service=PPP priv=1Jan 30 12:17:10: TAC+: ver=192 id=3400389836 received AUTHEN status = PASSJan
30 12:17:10: AAA/AUTHEN: free_user (0x232470) user='rtp_tunnel' ruser='' port='' rem_addr=''
authen_type=CHAP service=PPP priv=1Jan 30 12:17:10: AAA/AUTHEN (1598999635): status = PASSJan 30
12:17:10: AAA/AUTHEN: free_user (0x23232C) user='rtp_tunnel' ruser='' port='' rem_addr=''
authen_type=CHAP service=PPP priv=1!--- Change the CHAP passwords. The password rtp_tunnel !---
in the LAC TACACS+ users' file does not match the !--- password for "local name ABCDE" from the
router !--- in the LNS TACACS+ users' file:Jan 30 13:24:23: Tnl 88 L2TP: Tunnel Authentication
fails for ABCDEJan 30 13:24:23: Tnl 88 L2TP: Expected 7C959CA96C1E4AAA68BB3D481249488BJan 30
13:24:23: Tnl 88 L2TP: Got E4118FB4C8C4467EA4BF8872276C20B2Jan 30 12:17:10: Tnl 74 L2TP: Got a
response from remote peer, ABCDEJan 30 12:17:10: AAA: parse name= idb type=-1 tty=-1Jan 30
12:17:10: AAA/AUTHEN: create_user (0x22FBA4) user='rtp_tunnel' ruser='' port=''
rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30 12:17:10: AAA/AUTHEN/START (2964849625):
port='' list='default' action=SENDAUTH service=PPPJan 30 12:17:10:
AAA/AUTHEN/START (2964849625): found list defaultJan 30 12:17:10: AAA/AUTHEN (2964849625):
status = UNKNOWNJan 30 12:17:10: AAA/AUTHEN/START (2964849625): Method=TACACS+Jan 30 12:17:10:
TAC+: send AUTHEN/START packet ver=193 id=296484962520:03:20: %LINEPROTO-5-UPDOWN: Line protocol
on Interface Async1, changed state to upJan 30 12:17:11: TAC+: ver=192 id=2964849625
received AUTHEN status = ERRORJan 30 12:17:11: AAA: parse name= idb type=-1 tty=-1Jan 30
12:17:11: AAA/AUTHEN: create_user (0x22FC8C) user='rtp_tunnel' ruser=''
port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30 12:17:11: As1 74/1 L2TP:
Discarding data packet because tunnel is not openJan 30 12:17:11: As1 74/1 L2TP: Discarding data
packet because tunnel is not openJan 30 12:17:11: TAC+: ver=192 id=1474818051 received AUTHEN
status = PASSJan 30 12:17:11: AAA/AUTHEN: free_user (0x22FC8C) user='rtp_tunnel' ruser=''
port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30 12:17:11: AAA/AUTHEN (2964849625):
status = PASSJan 30 12:17:11: AAA/AUTHEN: free_user (0x22FBA4) user='rtp_tunnel' ruser=''
port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30 12:17:11: Tnl 74 L2TP: Tunnel
Authentication successJan 30 12:17:11: Tnl 74 L2TP: Tunnel state change from wait-ctl-reply to
establishedJan 30 12:17:11: Tnl 74 L2TP: O SCCCN to ABCDE tnlid 56Jan 30 12:17:11: Tnl 74 L2TP:
SM State establishedJan 30 12:17:11: As1 74/1 L2TP: O ICRQ to ABCDE 56/0Jan 30 12:17:11: As1
74/1 L2TP: Session state change from wait-for-tunnel to wait-replyJan 30
12:17:11: Tnl 74 L2TP: Dropping old CM, Ns 0, expected 1Jan 30 12:17:11: As1 74/1 L2TP: O ICCN
to ABCDE 56/1Jan 30 12:17:11: As1 74/1 L2TP: Session state change from wait-reply to
establishedLAC#
```

## 不具合の原因 : LNS からの不適切なデバッグ

このデバッグ 出力はルータが不適切に設定されているとのシーケンスが停止するコメントが含まれています。

```
LNS#show debugGeneral OS:AAA Authentication debugging is onAAA Authorization debugging is onAAA
Accounting debugging is onVPN:L2X protocol events debugging is onL2X protocol errors debugging
is onVPDN events debugging is onVPDN errors debugging is onVTEMPLATE:Virtual Template debugging
is onLNS#Jan 30 12:17:09: L2TP: I SCCRQ from rtp_tunnel tnl 74Jan 30 12:17:09: Tnl 56 L2TP: New
tunnel created for remote rtp_tunnel, address 10.31.1.144!--- Instead of the LAC sending the
"rtp_tunnel" !--- (see the user profile on the TACACS+ server), it sends "junk". !--- We are
expecting "rtp_tunnel" as in "accept dialin l2tp !--- virtual-template 1 remote rtp_tunnel" in
this configuration:Jan 30 13:05:16: L2TP: I SCCRQ from junk tnl 81Jan 30 13:05:16: L2X: Never
heard of junkJan 30 13:05:16: L2TP: Could not find info block for junkJan 30 12:17:09: Tnl 56
L2TP: Got a challenge in SCCRQ, rtp_tunnelJan 30 12:17:09: AAA: parse name= idb type=-1 tty=-
1Jan 30 12:17:09: AAA/AUTHEN: create_user (0x21F6D0) user='ABCDE' ruser=''
port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30 12:17:09: AAA/AUTHEN/START
(3194595626): port='' list='default' action=SENDAUTH service=PPPJan 30
12:17:09: AAA/AUTHEN/START (3194595626): found list defaultJan 30 12:17:09: AAA/AUTHEN
(3194595626): status = UNKNOWNJan 30 12:17:09: AAA/AUTHEN/START (3194595626): Method=TACACS+Jan
30 12:17:09: TAC+: send AUTHEN/START packet ver=193 id=3194595626Jan 30 12:17:09: TAC+: ver=192
id=3194595626 received AUTHEN status = ERRORJan 30 12:17:09: AAA: parse name= idb type=-1 tty=-
```

1Jan 30 12:17:09: AAA/AUTHEN: create\_user (0x2281AC) user='ABCDE' ruser='' port='' rem\_addr=''  
authen\_type=CHAP service=PPP priv=1Jan 30 12:17:09: TAC+: ver=192 id=3639011179 received AUTHEN  
status = PASSJan 30 12:17:09: AAA/AUTHEN: free\_user (0x2281AC) user='ABCDE' ruser='' port=''  
rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:09: AAA/AUTHEN (3194595626): status  
= PASSJan 30 12:17:09: AAA/AUTHEN: free\_user (0x21F6D0) user='ABCDE' ruser='' port=''  
rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:09: Tnl 56 L2TP: O SCCRP to  
rtp\_tunnel tnlid 74Jan 30 12:17:09: Tnl 56 L2TP: Tunnel state change from idle to wait-ctl-  
replyJan 30 12:17:10: Tnl 56 L2TP: O Resend SCCRP, flg TLF, ver 2, len 152, tnl  
74, cl 0, ns 0, nr 1Jan 30 12:17:10: Tnl 56 L2TP: I SCCCN from rtp\_tunnel tnl 74Jan 30 12:17:10:  
Tnl 56 L2TP: Got a Challenge Response in SCCCN from rtp\_tunnelJan 30 12:17:10: AAA: parse name=  
idb type=-1 tty=-1Jan 30 12:17:10: AAA/AUTHEN: create\_user (0x227F3C) user='ABCDE' ruser=''  
port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:10:  
AAA/AUTHEN/STARTTranslating "rtp.cisco.com"(4117701992): port='' list='default' action=SENDAUTH  
service=PPPJan 30 12:17:10: AAA/AUTHEN/START (4117701992): found list defaultJan 30 12:17:10:  
AAA/AUTHEN (4117701992): status = UNKNOWNJan 30 12:17:10: AAA/AUTHEN/START (4117701992):  
Method=TACACS+Jan 30 12:17:10: TAC+: send AUTHEN/START packet ver=193 id=4117701992Jan 30  
12:17:11: TAC+: ver=192 id=4117701992 received AUTHEN status = ERRORJan 30 12:17:11: AAA: parse  
name= idb type=-1 tty=-1Jan 30 12:17:11: AAA/AUTHEN: create\_user (0x228E68) user='ABCDE'  
ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:11: TAC+: ver=192  
id=2827432721 received AUTHEN status = PASSJan 30 12:17:11: AAA/AUTHEN: free\_user (0x228E68)  
user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:11:  
AAA/AUTHEN (4117701992): status = PASSJan 30 12:17:11: AAA/AUTHEN: free\_user (0x227F3C)  
user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:11:  
Tnl 56 L2TP: Tunnel Authentication successJan 30 12:17:11: Tnl 56 L2TP: Tunnel state change from  
wait-ctl-reply to establishedJan 30 12:17:11: Tnl 56 L2TP: SM State  
establishedJan 30 12:17:11: Tnl 56 L2TP: I ICRQ from rtp\_tunnel tnl 74Jan 30 12:17:11: Tnl/Cl  
56/1 L2TP: Session FS enabledJan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session state change from idle  
to wait-for-tunnelJan 30 12:17:11: Tnl/Cl 56/1 L2TP: New session createdJan 30  
12:17:11: Tnl/Cl 56/1 L2TP: O ICRP to rtp\_tunnel 74/1Jan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session  
state change from wait-for-tunnel to wait-connectJan 30 12:17:11: Tnl/Cl 56/1  
L2TP: I ICCN from rtp\_tunnel tnl 74, cl 1Jan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session state change  
from wait-connect to establishedJan 30 12:17:11: Vi1 VTEMPLATE: Reuse Vi1,  
recycle queue size 0Jan 30 12:17:11: Vi1 VTEMPLATE: Hardware address 00e0.1e68.942cJan 30  
12:17:11: Vi1 VPDN: Virtual interface created for janedoe@rtp.cisco.comJan 30 12:17:11: Vi1  
VPDN: Set to Async interfaceJan 30 12:17:11: Vi1 VPDN: Clone from Vtemplate 1 filterPPP=0  
blockingJan 30 12:17:11: Vi1 VTEMPLATE: Has a new cloneblk vtemplate, now it has  
vtemplateJan 30 12:17:11: Vi1 VTEMPLATE: \*\*\*\*\* CLONE VACCESS1 \*\*\*\*\*Jan 30  
12:17:11: Vi1 VTEMPLATE: Clone from Virtual-Templatelinterface Virtual-Access1default ip  
addressno ip addressencap pppip unnumbered Ethernet0peer default ip address pool defaultppp  
authentication chapip unnum ethernet0peer def ip address pool defaultppp authen chapendJan 30  
12:17:12: janedoe@rtp.cisco.com 56/1 L2TP: Session with no hwidb20:12:14: %LINK-3-UPDOWN:  
Interface Virtual-Access1, changed state to upJan 30 12:17:13: Vi1 AAA/AUTHOR/FSM: (0): LCP  
succeeds triviallyJan 30 12:17:13: Vi1 VPDN: Bind interface direction=2Jan 30 12:17:13: Vi1  
VPDN: PPP LCP accepted rcv CONFACKJan 30 12:17:13: Vi1 VPDN: PPP LCP accepted sent CONFACKJan 30  
12:17:13: Vi1 L2X: Discarding packet because of no mid/sessionJan 30 12:17:13: AAA: parse  
name=Virtual-Access1 idb type=21 tty=-1Jan 30 12:17:13: AAA: name=Virtual-Access1 flags=0x11  
type=5 shelf=0 slot=0 adapter=0 port=1 channel=0Jan 30 12:17:13: AAA/AUTHEN: create\_user  
(0x1F5100) user='janedoe@rtp.cisco.com' ruser='' port='Virtual-Access1' rem\_addr=''  
authen\_type=CHAPservice=PPP priv=1Jan 30 12:17:13: AAA/AUTHEN/START (562517969): port='Virtual-  
Access1' list='' action=LOGIN service=PPPJan 30 12:17:13: AAA/AUTHEN/START (562517969): using  
"default" listJan 30 12:17:13: AAA/AUTHEN (562517969): status = UNKNOWNJan 30 12:17:13:  
AAA/AUTHEN/START (562517969): Method=TACACS+Jan 30 12:17:13: TAC+: send AUTHEN/START packet  
ver=193 id=562517969Jan 30 12:17:14: TAC+: ver=192 id=562517969 received AUTHEN status =  
GETPASSJan 30 12:17:14: AAA: parse name=Virtual-Access1 idb type=-1 tty=-1Jan 30 12:17:14: AAA:  
name=Virtual-Access1 flags=0x11 type=6 shelf=0 slot=0 adapter=0 port=1 channel=0Jan 30 12:17:14:  
AAA/AUTHEN: create\_user (0x1F5270) user='janedoe@rtp.cisco.com' ruser='' port='Virtual-Access1'  
rem\_addr='' authen\_type=CHAPservice=PPP priv=1Jan 30 12:17:14: TAC+: ver=192 id=2384902384  
received AUTHEN status = PASSJan 30 12:17:14: AAA/AUTHEN: free\_user (0x1F5270)  
user='janedoe@rtp.cisco.com' ruser='' port='Virtual-Access1' rem\_addr=''  
authen\_type=CHAPservice=PPP priv=1!--- Here, the tunnel is ok, but the user !--- enters a bad  
password in dialing:Jan 30 13:39:44: AAA/AUTHEN (1958732267): status = FAIL21:34:45: %VPDN-6-  
AUTHENFAIL: L2F HGW 10.31.1.144, AAA authentication failure for Vi1 user  
janedoe@rtp.cisco.com; Authentication failureJan 30 12:17:14: AAA/AUTHEN (562517969): status =  
PASSJan 30 12:17:14: Vi1 AAA/AUTHOR/LCP: Authorize LCPJan 30 12:17:14: AAA/AUTHOR/LCP Vi1

```

(413543389): Port='Virtual-Access1' list='' service=NETJan 30 12:17:14:
AAA/AUTHOR/LCP: Vi1 (413543389) user='janedoe@rtp.cisco.com'Jan 30 12:17:14: AAA/AUTHOR/LCP: Vi1
(413543389) send AV service=pppJan 30 12:17:14: AAA/AUTHOR/LCP: Vi1 (413543389) send AV
protocol=lcpJan 30 12:17:14: AAA/AUTHOR/LCP (413543389) found list "default"Jan 30 12:17:14:
AAA/AUTHOR/LCP: Vi1 (413543389) Method=TACACS+Jan 30 12:17:14: AAA/AUTHOR/TAC+: (413543389):
user=janedoe@rtp.cisco.comJan 30 12:17:14: AAA/AUTHOR/TAC+: (413543389): send AV service=pppJan
30 12:17:14: AAA/AUTHOR/TAC+: (413543389): send AV protocol=lcpJan 30 12:17:14: TAC+:
(413543389): received author response status = PASS_ADDJan 30 12:17:14: AAA/AUTHOR (413543389):
Post authorization status = PASS_ADDJan 30 12:17:14: AAA/ACCT/NET/START User
janedoe@rtp.cisco.com, Port Virtual-Access1, List ""Jan 30 12:17:14:
AAA/ACCT/NET: Found list "default"Jan 30 12:17:14: Vi1 AAA/AUTHOR/FSM: (0): Can we start
IPCP?Jan 30 12:17:14: AAA/AUTHOR/FSM Vi1 (1358526470): Port='Virtual-Access1'
list='' service=NETJan 30 12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470)
user='janedoe@rtp.cisco.com'Jan 30 12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470) send AV
service=pppJan 30 12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470) send AV protocol=ipJan 30 12:17:14:
AAA/AUTHOR/FSM (1358526470) found list "default"Jan 30 12:17:14: AAA/AUTHOR/FSM: Vi1
(1358526470) Method=TACACS+Jan 30 12:17:14: AAA/AUTHOR/TAC+: (1358526470):
user=janedoe@rtp.cisco.comJan 30 12:17:14: AAA/AUTHOR/TAC+: (1358526470): send AV service=pppJan
30 12:17:14: AAA/AUTHOR/TAC+: (1358526470): send AV protocol=ipJan 30 12:17:14: TAC+:
(1358526470): received author response status = PASS_ADDJan 30 12:17:14: AAA/AUTHOR
(1358526470): Post authorization status = PASS_ADDJan 30 12:17:14: Vi1 AAA/AUTHOR/FSM: We can
start IPCPJan 30 12:17:14: TAC+: (1442592025): received acct response status = UNKNOWN20:12:16:
%LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1, changed state to
upJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0Jan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP:
Processing AV protocol=ipJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Authorization succeededJan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0Jan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.6.1.1Jan
30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP:
Processing AV protocol=ipJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Authorization succeededJan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.6.1.1Jan
30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Start. Her address 10.6.1.1, we want
10.6.1.1Jan 30 12:17:16: AAA/AUTHOR/IPCP Vi1 (3572380713): Port='Virtual-Access1'
list='' service=NETJan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713)
user='janedoe@rtp.cisco.com'Jan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713) send AV
service=pppJan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713) send AV protocol=ipJan 30
12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713) send AV addr*10.6.1.1Jan 30 12:17:16:
AAA/AUTHOR/IPCP (3572380713) found list "default"Jan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1
(3572380713) Method=TACACS+Jan 30 12:17:16: AAA/AUTHOR/TAC+: (3572380713):
user=janedoe@rtp.cisco.comJan 30 12:17:16: AAA/AUTHOR/TAC+: (3572380713): send AV service=pppJan
30 12:17:16: AAA/AUTHOR/TAC+: (3572380713): send AV protocol=ipJan 30 12:17:16: AAA/AUTHOR/TAC+:
(3572380713): send AV addr*10.6.1.1Jan 30 12:17:17: TAC+: (3572380713): received author response
status = PASS_ADDJan 30 12:17:17: AAA/AUTHOR (3572380713): Post authorization status =
PASS_ADDJan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:17: Vi1
AAA/AUTHOR/IPCP: Processing AV protocol=ipJan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Processing AV
addr*10.6.1.1Jan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Authorization succeededJan 30 12:17:17: Vi1
AAA/AUTHOR/IPCP: Done. Her address 10.6.1.1, we want 10.6.1.1LNS#

```

## [LNS アカウンティングレコード](#)

これは LNS TACACS+ サーバにあります。

```

LNS#show debugGeneral OS:AAA Authentication debugging is onAAA Authorization debugging is onAAA
Accounting debugging is onVPN:L2X protocol events debugging is onL2X protocol errors debugging
is onVPDN events debugging is onVPDN errors debugging is onVTEMPLATE:Virtual Template debugging
is onLNS#Jan 30 12:17:09: L2TP: I SCCRQ from rtp_tunnel tnl 74Jan 30 12:17:09: Tnl 56 L2TP: New
tunnel created for remote rtp_tunnel, address 10.31.1.144!--- Instead of the LAC sending the
"rtp_tunnel" !--- (see the user profile on the TACACS+ server), it sends "junk". !--- We are
expecting "rtp_tunnel" as in "accept dialin l2tp !--- virtual-template 1 remote rtp_tunnel" in
this configuration:Jan 30 13:05:16: L2TP: I SCCRQ from junk tnl 81Jan 30 13:05:16: L2X: Never
heard of junkJan 30 13:05:16: L2TP: Could not find info block for junkJan 30 12:17:09: Tnl 56
L2TP: Got a challenge in SCCRQ, rtp_tunnelJan 30 12:17:09: AAA: parse name= idb type=-1 tty=-
1Jan 30 12:17:09: AAA/AUTHEN: create_user (0x21F6D0) user='ABCDE' ruser='

```

port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:09: AAA/AUTHEN/START (3194595626): port='' list='default' action=SENDAUTH service=PPPJan 30 12:17:09: AAA/AUTHEN/START (3194595626): found list defaultJan 30 12:17:09: AAA/AUTHEN (3194595626): status = UNKNOWNJan 30 12:17:09: AAA/AUTHEN/START (3194595626): Method=TACACS+Jan 30 12:17:09: TAC+: send AUTHEN/START packet ver=193 id=3194595626Jan 30 12:17:09: TAC+: ver=192 id=3194595626 received AUTHEN status = ERRORJan 30 12:17:09: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:09: AAA/AUTHEN: create\_user (0x2281AC) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:09: TAC+: ver=192 id=3639011179 received AUTHEN status = PASSJan 30 12:17:09: AAA/AUTHEN: free\_user (0x2281AC) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:09: AAA/AUTHEN (3194595626): status = PASSJan 30 12:17:09: AAA/AUTHEN: free\_user (0x21F6D0) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:09: Tnl 56 L2TP: O SCCRP to rtp\_tunnel tnlid 74Jan 30 12:17:09: Tnl 56 L2TP: Tunnel state change from idle to wait-ctl-replyJan 30 12:17:10: Tnl 56 L2TP: O Resend SCCRP, flg TLF, ver 2, len 152, tnl 74, cl 0, ns 0, nr 1Jan 30 12:17:10: Tnl 56 L2TP: I SCCCN from rtp\_tunnel tnl 74Jan 30 12:17:10: Tnl 56 L2TP: Got a Challenge Response in SCCCN from rtp\_tunnelJan 30 12:17:10: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:10: AAA/AUTHEN: create\_user (0x227F3C) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:10: AAA/AUTHEN/STARTTranslating "rtp.cisco.com"(4117701992): port='' list='default' action=SENDAUTH service=PPPJan 30 12:17:10: AAA/AUTHEN/START (4117701992): found list defaultJan 30 12:17:10: AAA/AUTHEN (4117701992): status = UNKNOWNJan 30 12:17:10: AAA/AUTHEN/START (4117701992): Method=TACACS+Jan 30 12:17:10: TAC+: send AUTHEN/START packet ver=193 id=4117701992Jan 30 12:17:11: TAC+: ver=192 id=4117701992 received AUTHEN status = ERRORJan 30 12:17:11: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:11: AAA/AUTHEN: create\_user (0x228E68) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:11: TAC+: ver=192 id=2827432721 received AUTHEN status = PASSJan 30 12:17:11: AAA/AUTHEN: free\_user (0x228E68) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:11: AAA/AUTHEN (4117701992): status = PASSJan 30 12:17:11: AAA/AUTHEN: free\_user (0x227F3C) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP priv=1Jan 30 12:17:11: Tnl 56 L2TP: Tunnel Authentication successJan 30 12:17:11: Tnl 56 L2TP: Tunnel state change from wait-ctl-reply to establishedJan 30 12:17:11: Tnl 56 L2TP: SM State establishedJan 30 12:17:11: Tnl 56 L2TP: I ICRQ from rtp\_tunnel tnl 74Jan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session FS enabledJan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session state change from idle to wait-for-tunnelJan 30 12:17:11: Tnl/Cl 56/1 L2TP: New session createdJan 30 12:17:11: Tnl/Cl 56/1 L2TP: O ICRP to rtp\_tunnel 74/1Jan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session state change from wait-for-tunnel to wait-connectJan 30 12:17:11: Tnl/Cl 56/1 L2TP: I ICCN from rtp\_tunnel tnl 74, cl 1Jan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session state change from wait-connect to establishedJan 30 12:17:11: Vi1 VTEMPLATE: Reuse Vi1, recycle queue size 0Jan 30 12:17:11: Vi1 VTEMPLATE: Hardware address 00e0.1e68.942cJan 30 12:17:11: Vi1 VPDN: Virtual interface created for janedoe@rtp.cisco.comJan 30 12:17:11: Vi1 VPDN: Set to Async interfaceJan 30 12:17:11: Vi1 VPDN: Clone from Vtemplate 1 filterPPP=0 blockingJan 30 12:17:11: Vi1 VTEMPLATE: Has a new cloneblk vtemplate, now it has vtemplateJan 30 12:17:11: Vi1 VTEMPLATE: \*\*\*\*\* CLONE VACCESS1 \*\*\*\*\*Jan 30 12:17:11: Vi1 VTEMPLATE: Clone from Virtual-Templatelinterface Virtual-Access1default ip addressno ip addressencap pppip unnumbered Ethernet0peer default ip address pool defaultppp authentication chapip unnum ethernet0peer def ip address pool defaultppp authen chapendJan 30 12:17:12: janedoe@rtp.cisco.com 56/1 L2TP: Session with no hwidb20:12:14: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to upJan 30 12:17:13: Vi1 AAA/AUTHOR/FSM: (0): LCP succeeds triviallyJan 30 12:17:13: Vi1 VPDN: Bind interface direction=2Jan 30 12:17:13: Vi1 VPDN: PPP LCP accepted rcv CONFACKJan 30 12:17:13: Vi1 VPDN: PPP LCP accepted sent CONFACKJan 30 12:17:13: Vi1 L2X: Discarding packet because of no mid/sessionJan 30 12:17:13: AAA: parse name=Virtual-Access1 idb type=21 tty=-1Jan 30 12:17:13: AAA: name=Virtual-Access1 flags=0x11 type=5 shelf=0 slot=0 adapter=0 port=1 channel=0Jan 30 12:17:13: AAA/AUTHEN: create\_user (0x1F5100) user='janedoe@rtp.cisco.com' ruser='' port='Virtual-Access1' rem\_addr='' authen\_type=CHAPservice=PPP priv=1Jan 30 12:17:13: AAA/AUTHEN/START (562517969): port='Virtual-Access1' list='' action=LOGIN service=PPPJan 30 12:17:13: AAA/AUTHEN/START (562517969): using "default" listJan 30 12:17:13: AAA/AUTHEN (562517969): status = UNKNOWNJan 30 12:17:13: AAA/AUTHEN/START (562517969): Method=TACACS+Jan 30 12:17:13: TAC+: send AUTHEN/START packet ver=193 id=562517969Jan 30 12:17:14: TAC+: ver=192 id=562517969 received AUTHEN status = GETPASSJan 30 12:17:14: AAA: parse name=Virtual-Access1 idb type=-1 tty=-1Jan 30 12:17:14: AAA: name=Virtual-Access1 flags=0x11 type=6 shelf=0 slot=0 adapter=0 port=1 channel=0Jan 30 12:17:14: AAA/AUTHEN: create\_user (0x1F5270) user='janedoe@rtp.cisco.com' ruser='' port='Virtual-Access1' rem\_addr='' authen\_type=CHAPservice=PPP priv=1Jan 30 12:17:14: TAC+: ver=192 id=2384902384 received AUTHEN status = PASSJan 30 12:17:14: AAA/AUTHEN: free\_user (0x1F5270)



```
user='janedoe@rtp.cisco.com' ruser='' port='Virtual-Access1' rem_addr=''
authen_type=CHAPservice=PPP priv=1!--- Here, the tunnel is ok, but the user !--- enters a bad
password in dialing:Jan 30 13:39:44: AAA/AUTHEN (1958732267): status = FAIL21:34:45: %VPDN-6-
AUTHENFAIL: L2F HGW 10.31.1.144, AAA authentication failure for Vi1 user
janedoe@rtp.cisco.com; Authentication failureJan 30 12:17:14: AAA/AUTHEN (562517969): status =
PASSJan 30 12:17:14: Vi1 AAA/AUTHOR/LCP: Authorize LCPJan 30 12:17:14: AAA/AUTHOR/LCP Vi1
(413543389): Port='Virtual-Access1' list='' service=NETJan 30 12:17:14:
AAA/AUTHOR/LCP: Vi1 (413543389) user='janedoe@rtp.cisco.com'Jan 30 12:17:14: AAA/AUTHOR/LCP: Vi1
(413543389) send AV service=pppJan 30 12:17:14: AAA/AUTHOR/LCP: Vi1 (413543389) send AV
protocol=lcpJan 30 12:17:14: AAA/AUTHOR/LCP (413543389) found list "default"Jan 30 12:17:14:
AAA/AUTHOR/LCP: Vi1 (413543389) Method=TACACS+Jan 30 12:17:14: AAA/AUTHOR/TAC+: (413543389):
user=janedoe@rtp.cisco.comJan 30 12:17:14: AAA/AUTHOR/TAC+: (413543389): send AV service=pppJan
30 12:17:14: AAA/AUTHOR/TAC+: (413543389): send AV protocol=lcpJan 30 12:17:14: TAC+:
(413543389): received author response status = PASS_ADDJan 30 12:17:14: AAA/AUTHOR (413543389):
Post authorization status = PASS_ADDJan 30 12:17:14: AAA/ACCT/NET/START User
janedoe@rtp.cisco.com, Port Virtual-Access1, List ""Jan 30 12:17:14:
AAA/ACCT/NET: Found list "default"Jan 30 12:17:14: Vi1 AAA/AUTHOR/FSM: (0): Can we start
IPCP?Jan 30 12:17:14: AAA/AUTHOR/FSM Vi1 (1358526470): Port='Virtual-Access1'
list='' service=NETJan 30 12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470)
user='janedoe@rtp.cisco.com'Jan 30 12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470) send AV
service=pppJan 30 12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470) send AV protocol=ipJan 30 12:17:14:
AAA/AUTHOR/FSM (1358526470) found list "default"Jan 30 12:17:14: AAA/AUTHOR/FSM: Vi1
(1358526470) Method=TACACS+Jan 30 12:17:14: AAA/AUTHOR/TAC+: (1358526470):
user=janedoe@rtp.cisco.comJan 30 12:17:14: AAA/AUTHOR/TAC+: (1358526470): send AV service=pppJan
30 12:17:14: AAA/AUTHOR/TAC+: (1358526470): send AV protocol=ipJan 30 12:17:14: TAC+:
(1358526470): received author response status = PASS_ADDJan 30 12:17:14: AAA/AUTHOR
(1358526470): Post authorization status = PASS_ADDJan 30 12:17:14: Vi1 AAA/AUTHOR/FSM: We can
start IPCPJan 30 12:17:14: TAC+: (1442592025): received acct response status = UNKNOWN20:12:16:
%LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1, changed state to
upJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0Jan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP:
Processing AV protocol=ipJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Authorization succeededJan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0Jan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.6.1.1Jan
30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP:
Processing AV protocol=ipJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Authorization succeededJan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.6.1.1Jan
30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Start. Her address 10.6.1.1, we want
10.6.1.1Jan 30 12:17:16: AAA/AUTHOR/IPCP Vi1 (3572380713): Port='Virtual-Access1'
list='' service=NETJan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713)
user='janedoe@rtp.cisco.com'Jan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713) send AV
service=pppJan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713) send AV protocol=ipJan 30
12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713) send AV addr*10.6.1.1Jan 30 12:17:16:
AAA/AUTHOR/IPCP (3572380713) found list "default"Jan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1
(3572380713) Method=TACACS+Jan 30 12:17:16: AAA/AUTHOR/TAC+: (3572380713):
user=janedoe@rtp.cisco.comJan 30 12:17:16: AAA/AUTHOR/TAC+: (3572380713): send AV service=pppJan
30 12:17:16: AAA/AUTHOR/TAC+: (3572380713): send AV protocol=ipJan 30 12:17:16: AAA/AUTHOR/TAC+:
(3572380713): send AV addr*10.6.1.1Jan 30 12:17:17: TAC+: (3572380713): received author response
status = PASS_ADDJan 30 12:17:17: AAA/AUTHOR (3572380713): Post authorization status =
PASS_ADDJan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:17: Vi1
AAA/AUTHOR/IPCP: Processing AV protocol=ipJan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Processing AV
addr*10.6.1.1Jan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Authorization succeededJan 30 12:17:17: Vi1
AAA/AUTHOR/IPCP: Done. Her address 10.6.1.1, we want 10.6.1.1LNS#
```

## [トラブルシューティング](#)

ここでは、設定のトラブルシューティングに役立つ情報について説明します。

### [トラブルシューティングのためのコマンド](#)

注 コマンドを使用する前に、『[debug コマンドに関する重要な情報](#)』を参照してください。

- **debug aaa authentication** か。AAA/TACACS+ 認証の情報を表示する。
- **debug aaa authorization** か。AAA/TACACS+ 許可の情報を表示する。
- **debug aaa accounting** か。それらが発生すると同時にアカウンティング対象イベントの情報を表示する。このコマンドで表示される情報は、アカウンティング情報のサーバへの転送に使用されるアカウンティング プロトコルに依存しません。
- **debug tacacs+** か。TACACS+ と関連付けられる詳細なデバッグ情報を表示する。
- **debug vtemplate** か。バーチャルテンプレートからコールが終了するとき仮想アクセスインターフェイスがの下に来る時間へのクローンとして作られる時間からの仮想アクセスインターフェイスのためのクローニング情報を表示する。
- **debug vpdn error** か。PPP トンネルは確立されるまたはエラーを表示することを防ぐ確立されたトンネルを閉じますエラーを。
- **debug vpdn events** か。正常な PPP トンネル確立の一部またはシャットダウンであるイベントについてのメッセージを表示する。
- レイヤ2 確立を防ぐか、または正常な動作を防ぐ **VPDN l2x-errors?Displays** レイヤ2 プロトコルエラーをデバッグして下さい。
- 正常な PPP トンネル確立の一部またはレイヤ2 のためのシャットダウンであるイベントについての **VPDN l2x-events?Displays** メッセージをデバッグして下さい。

## [デバッグ出力](#)

### [LAC ルータからの正常なデバッグ](#)

```
LAC#show debugGeneral OS:AAA Authentication debugging is onAAA Authorization debugging is onAAA
Accounting debugging is onVPN:L2X protocol events debugging is onL2X protocol errors debugging
is onVPDN events debugging is onVPDN errors debugging is onVTEMPLATE:Virtual Template debugging
is onLAC#Jan 30 12:17:09: As1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially20:03:18: %LINK-3-
UPDOWN: Interface Async1, changed state to upJan 30 12:17:09: As1 VPDN: Looking for tunnel --
rtp.cisco.com --Jan 30 12:17:09: AAA: parse name=Async1 idb type=10 tty=1Jan 30 12:17:09: AAA:
name=Async1 flags=0x11 type=4 shelf=0 slot=0 adapter=0 port=1 channel=0Jan 30 12:17:09:
AAA/AUTHEN: create_user (0x278B90) user='rtp.cisco.com' ruser='' port='Async1' rem_addr=''
authen_type=NONE service=LOGIN priv=0Jan 30 12:17:09: AAA/AUTHOR/VPDN (898425447): Port='Async1'
list='default' service=NETJan 30 12:17:09: AAA/AUTHOR/VPDN: (898425447) user='rtp.cisco.com'Jan
30 12:17:09: AAA/AUTHOR/VPDN: (898425447) send AV service=pppJan 30 12:17:09: AAA/AUTHOR/VPDN:
(898425447) send AV protocol=vpdnJan 30 12:17:09: AAA/AUTHOR/VPDN (898425447) found list
"default"Jan 30 12:17:09: AAA/AUTHOR/VPDN: (898425447) Method=TACACS+Jan 30 12:17:09:
AAA/AUTHOR/TAC+: (898425447): user=rtp.cisco.comJan 30 12:17:09: AAA/AUTHOR/TAC+: (898425447):
send AV service=pppJan 30 12:17:09: AAA/AUTHOR/TAC+: (898425447): send AV protocol=vpdnJan 30
12:17:09: TAC+: (898425447): received author response status = PASS_ADDJan 30 12:17:09:
AAA/AUTHOR (898425447): Post authorization status = PASS_ADDJan 30 12:17:09: AAA/AUTHOR/VPDN:
Processing AV service=pppJan 30 12:17:09: AAA/AUTHOR/VPDN: Processing AV protocol=vpdnJan 30
12:17:09: AAA/AUTHOR/VPDN: Processing AV tunnel-type=l2tpJan 30 12:17:09: AAA/AUTHOR/VPDN:
Processing AV tunnel-id=rtp_tunnelJan 30 12:17:09: AAA/AUTHOR/VPDN: Processing AV ip-
addresses=10.31.1.56Jan 30 12:17:09: As1 VPDN: Get tunnel info for rtp.cisco.com with LAC
rtp_tunnel, IP 10.31.1.56Jan 30 12:17:09: AAA/AUTHEN: free_user (0x278B90) user='rtp.cisco.com'
ruser='' port='Async1' rem_addr='' authen_type=NONE service=LOGIN priv=0Jan 30 12:17:09: As1
VPDN: Forward to address 10.31.1.56Jan 30 12:17:09: As1 VPDN: Forwarding...Jan 30 12:17:09: AAA:
parse name=Async1 idb type=10 tty=1Jan 30 12:17:09: AAA: name=Async1 flags=0x11 type=4 shelf=0
slot=0 adapter=0 port=1 channel=0Jan 30 12:17:09: AAA/AUTHEN: create_user (0x22CDEC)
user='janedoe@rtp.cisco.com' ruser='' port='Async1' rem_addr='async' authen_type=CHAPservice=PPP
priv=1Jan 30 12:17:09: As1 VPDN: Bind interface direction=1Jan 30 12:17:09: Tnl/C1 74/1 L2TP:
Session FS enabledJan 30 12:17:09: Tnl/C1 74/1 L2TP: Session state change from idle to wait-for-
tunnelJan 30 12:17:09: As1 74/1 L2TP: Create sessionJan 30 12:17:09: Tnl 74 L2TP: SM State
idleJan 30 12:17:09: Tnl 74 L2TP: O SCCRQ Jan 30 12:17:09: Tnl 74 L2TP: Tunnel state change from
idle to wait-ctl-replyJan 30 12:17:09: Tnl 74 L2TP: SM State wait-ctl-replyJan 30 12:17:09: As1
VPDN: janedoe@rtp.cisco.com is forwardedJan 30 12:17:10: Tnl 74 L2TP: I SCCRP from ABCDEJan 30
12:17:10: Tnl 74 L2TP: Got a challenge from remote peer, ABCDEJan 30 12:17:10: AAA: parse name=
```

```
idb type=-1 tty=-1Jan 30 12:17:10: AAA/AUTHEN: create_user (0x23232C) user='rtp_tunnel' ruser=''
port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30 12:17:10: AAA/AUTHEN/START
(1598999635): port='' list='default' action=SENDAUTH service=PPPJan 30 12:17:10:
AAA/AUTHEN/START (1598999635): found list defaultJan 30 12:17:10: AAA/AUTHEN (1598999635):
status = UNKNOWNJan 30 12:17:10: AAA/AUTHEN/START (1598999635): Method=TACACS+Jan 30 12:17:10:
TAC+: send AUTHEN/START packet ver=193 id=1598999635Jan 30 12:17:10: TAC+: ver=192 id=1598999635
received AUTHEN status = ERRORJan 30 12:17:10: AAA: parse name= idb type=-1 tty=-1Jan 30
12:17:10: AAA/AUTHEN: create_user (0x232470) user='rtp_tunnel' ruser='' port='' rem_addr=''
authen_type=CHAP service=PPP priv=1Jan 30 12:17:10: TAC+: ver=192 id=3400389836 received AUTHEN
status = PASSJan 30 12:17:10: AAA/AUTHEN: free_user (0x232470) user='rtp_tunnel' ruser=''
port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30 12:17:10: AAA/AUTHEN (1598999635):
status = PASSJan 30 12:17:10: AAA/AUTHEN: free_user (0x23232C) user='rtp_tunnel' ruser='' port=''
rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30 12:17:10: Tnl 74 L2TP: Got a response from
remote peer, ABCDEJan 30 12:17:10: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:10:
AAA/AUTHEN: create_user (0x22FBA4) user='rtp_tunnel' ruser='' port='' rem_addr=''
authen_type=CHAP service=PPP priv=1Jan 30 12:17:10: AAA/AUTHEN/START (2964849625): port=''
list='default' action=SENDAUTH service=PPPJan 30 12:17:10: AAA/AUTHEN/START (2964849625): found
list defaultJan 30 12:17:10: AAA/AUTHEN (2964849625): status = UNKNOWNJan 30 12:17:10:
AAA/AUTHEN/START (2964849625): Method=TACACS+Jan 30 12:17:10: TAC+: send AUTHEN/START packet
ver=193 id=296484962520:03:20: %LINEPROTO-5-UPDOWN: Line protocol on Interface Async1, changed
state to upJan 30 12:17:11: TAC+: ver=192 id=2964849625 received AUTHEN status = ERRORJan 30
12:17:11: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:11: AAA/AUTHEN: create_user (0x22FC8C)
user='rtp_tunnel' ruser='' port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30
12:17:11: As1 74/1 L2TP: Discarding data packet because tunnel is not openJan 30 12:17:11: As1
74/1 L2TP: Discarding data packet because tunnel is not openJan 30 12:17:11: TAC+: ver=192
id=1474818051 received AUTHEN status = PASSJan 30 12:17:11: AAA/AUTHEN: free_user (0x22FC8C)
user='rtp_tunnel' ruser='' port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan 30
12:17:11: AAA/AUTHEN (2964849625): status = PASSJan 30 12:17:11: AAA/AUTHEN: free_user
(0x22FBA4) user='rtp_tunnel' ruser='' port='' rem_addr='' authen_type=CHAP service=PPP priv=1Jan
30 12:17:11: Tnl 74 L2TP: Tunnel Authentication successJan 30 12:17:11: Tnl 74 L2TP: Tunnel
state change from wait-ctl-reply to establishedJan 30 12:17:11: Tnl 74 L2TP: O SCCCN to ABCDE
tnlid 56Jan 30 12:17:11: Tnl 74 L2TP: SM State establishedJan 30 12:17:11: As1 74/1 L2TP: O ICRQ
to ABCDE 56/0Jan 30 12:17:11: As1 74/1 L2TP: Session state change from wait-for-tunnel to wait-
replyJan 30 12:17:11: Tnl 74 L2TP: Dropping old CM, Ns 0, expected 1Jan 30 12:17:11: As1 74/1
L2TP: O ICCN to ABCDE 56/1Jan 30 12:17:11: As1 74/1 L2TP: Session state change from wait-reply
to establishedLAC#
```

## [LNS ルータからの正常なデバッグ](#)

```
LNS#show debugGeneral OS:AAA Authentication debugging is onAAA Authorization debugging is onAAA
Accounting debugging is onVPN:L2X protocol events debugging is onL2X protocol errors debugging
is onVPDN events debugging is onVPDN errors debugging is onVTEMPLATE:Virtual Template debugging
is onLNS#Jan 30 12:17:09: L2TP: I SCCRQ from rtp_tunnel tnl 74Jan 30 12:17:09: Tnl 56 L2TP: New
tunnel created for remote rtp_tunnel, address 10.31.1.144Jan 30 12:17:09: Tnl 56 L2TP: Got a
challenge in SCCRQ, rtp_tunnelJan 30 12:17:09: AAA: parse name= idb type=-1 tty=-1Jan 30
12:17:09: AAA/AUTHEN: create_user (0x21F6D0) user='ABCDE' ruser='' port='' rem_addr=''
authen_type=CHAP service=PPP priv=1Jan 30 12:17:09: AAA/AUTHEN/START (3194595626): port=''
list='default' action=SENDAUTH service=PPPJan 30 12:17:09: AAA/AUTHEN/START (3194595626): found
list defaultJan 30 12:17:09: AAA/AUTHEN (3194595626): status = UNKNOWNJan 30 12:17:09:
AAA/AUTHEN/START (3194595626): Method=TACACS+Jan 30 12:17:09: TAC+: send AUTHEN/START packet
ver=193 id=3194595626Jan 30 12:17:09: TAC+: ver=192 id=3194595626 received AUTHEN status =
ERRORJan 30 12:17:09: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:09: AAA/AUTHEN:
create_user (0x2281AC) user='ABCDE' ruser='' port='' rem_addr='' authen_type=CHAP service=PPP
priv=1Jan 30 12:17:09: TAC+: ver=192 id=3639011179 received AUTHEN status = PASSJan 30 12:17:09:
AAA/AUTHEN: free_user (0x2281AC) user='ABCDE' ruser='' port='' rem_addr='' authen_type=CHAP
service=PPP priv=1Jan 30 12:17:09: AAA/AUTHEN (3194595626): status = PASSJan 30 12:17:09:
AAA/AUTHEN: free_user (0x21F6D0) user='ABCDE' ruser='' port='' rem_addr='' authen_type=CHAP
service=PPP priv=1Jan 30 12:17:09: Tnl 56 L2TP: O SCCRP to rtp_tunnel tnlid 74Jan 30 12:17:09:
Tnl 56 L2TP: Tunnel state change from idle to wait-ctl-replyJan 30 12:17:10: Tnl 56 L2TP: O
Resend SCCRP, flg TLF, ver 2, len 152, tnl 74, cl 0, ns 0, nr 1Jan 30 12:17:10: Tnl 56 L2TP: I
SCCCN from rtp_tunnel tnl 74Jan 30 12:17:10: Tnl 56 L2TP: Got a Challenge Response in SCCCN from
rtp_tunnelJan 30 12:17:10: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:10: AAA/AUTHEN:
create_user (0x227F3C) user='ABCDE' ruser='' port='' rem_addr='' authen_type=CHAP service=PPP
priv=1Jan 30 12:17:10: AAA/AUTHEN/STARTTranslating "rtp.cisco.com"(4117701992): port=''
```

list='default' action=SENDAUTH service=PPPJan 30 12:17:10: AAA/AUTHEN/START (4117701992): found  
list defaultJan 30 12:17:10: AAA/AUTHEN (4117701992): status = UNKNOWNJan 30 12:17:10:  
AAA/AUTHEN/START (4117701992): Method=TACACS+Jan 30 12:17:10: TAC+: send AUTHEN/START packet  
ver=193 id=4117701992Jan 30 12:17:11: TAC+: ver=192 id=4117701992 received AUTHEN status =  
ERRORJan 30 12:17:11: AAA: parse name= idb type=-1 tty=-1Jan 30 12:17:11: AAA/AUTHEN:  
create\_user (0x228E68) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP service=PPP  
priv=1Jan 30 12:17:11: TAC+: ver=192 id=2827432721 received AUTHEN status = PASSJan 30 12:17:11:  
AAA/AUTHEN: free\_user (0x228E68) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP  
service=PPP priv=1Jan 30 12:17:11: AAA/AUTHEN (4117701992): status = PASSJan 30 12:17:11:  
AAA/AUTHEN: free\_user (0x227F3C) user='ABCDE' ruser='' port='' rem\_addr='' authen\_type=CHAP  
service=PPP priv=1Jan 30 12:17:11: Tnl 56 L2TP: Tunnel Authentication successJan 30 12:17:11:  
Tnl 56 L2TP: Tunnel state change from wait-ctl-reply to establishedJan 30 12:17:11: Tnl 56 L2TP:  
SM State establishedJan 30 12:17:11: Tnl 56 L2TP: I ICRQ from rtp\_tunnel tnl 74Jan 30 12:17:11:  
Tnl/Cl 56/1 L2TP: Session FS enabledJan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session state change from  
idle to wait-for-tunnelJan 30 12:17:11: Tnl/Cl 56/1 L2TP: New session createdJan 30 12:17:11:  
Tnl/Cl 56/1 L2TP: O ICRP to rtp\_tunnel 74/1Jan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session state  
change from wait-for-tunnel to wait-connectJan 30 12:17:11: Tnl/Cl 56/1 L2TP: I ICCN from  
rtp\_tunnel tnl 74, cl 1Jan 30 12:17:11: Tnl/Cl 56/1 L2TP: Session state change from wait-connect  
to establishedJan 30 12:17:11: Vi1 VTEMPLATE: Reuse Vi1, recycle queue size 0Jan 30 12:17:11:  
Vi1 VTEMPLATE: Hardware address 00e0.1e68.942cJan 30 12:17:11: Vi1 VPDN: Virtual interface  
created for janedoe@rtp.cisco.comJan 30 12:17:11: Vi1 VPDN: Set to Async interfaceJan 30  
12:17:11: Vi1 VPDN: Clone from Vtemplate 1 filterPPP=0 blockingJan 30 12:17:11: Vi1 VTEMPLATE:  
Has a new cloneblk vtemplate, now it has vtemplateJan 30 12:17:11: Vi1 VTEMPLATE: \*\*\*\*\*  
CLONE VACCESS1 \*\*\*\*\*Jan 30 12:17:11: Vi1 VTEMPLATE: Clone from Virtual-  
Templatelinterface Virtual-Access1default ip addressno ip addressencap pppip unnumbered  
Ethernet0peer default ip address pool defaultppp authentication chapip unnum ethernet0peer def  
ip address pool defaultppp authen chapendJan 30 12:17:12: janedoe@rtp.cisco.com 56/1 L2TP:  
Session with no hwidb20:12:14: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to upJan  
30 12:17:13: Vi1 AAA/AUTHOR/FSM: (0): LCP succeeds triviallyJan 30 12:17:13: Vi1 VPDN: Bind  
interface direction=2Jan 30 12:17:13: Vi1 VPDN: PPP LCP accepted rcv CONFACKJan 30 12:17:13: Vi1  
VPDN: PPP LCP accepted sent CONFACKJan 30 12:17:13: Vi1 L2X: Discarding packet because of no  
mid/sessionJan 30 12:17:13: AAA: parse name=Virtual-Access1 idb type=21 tty=-1Jan 30 12:17:13:  
AAA: name=Virtual-Access1 flags=0x11 type=5 shelf=0 slot=0 adapter=0 port=1 channel=0Jan 30  
12:17:13: AAA/AUTHEN: create\_user (0x1F5100) user='janedoe@rtp.cisco.com' ruser=''  
port='Virtual-Access1' rem\_addr='' authen\_type=CHAPservice=PPP priv=1Jan 30 12:17:13:  
AAA/AUTHEN/START (562517969): port='Virtual-Access1' list='' action=LOGIN service=PPPJan 30  
12:17:13: AAA/AUTHEN/START (562517969): using "default" listJan 30 12:17:13: AAA/AUTHEN  
(562517969): status = UNKNOWNJan 30 12:17:13: AAA/AUTHEN/START (562517969): Method=TACACS+Jan 30  
12:17:13: TAC+: send AUTHEN/START packet ver=193 id=562517969Jan 30 12:17:14: TAC+: ver=192  
id=562517969 received AUTHEN status = GETPASSJan 30 12:17:14: AAA: parse name=Virtual-Access1  
idb type=-1 tty=-1Jan 30 12:17:14: AAA: name=Virtual-Access1 flags=0x11 type=6 shelf=0 slot=0  
adapter=0 port=1 channel=0Jan 30 12:17:14: AAA/AUTHEN: create\_user (0x1F5270)  
user='janedoe@rtp.cisco.com' ruser='' port='Virtual-Access1' rem\_addr=''  
authen\_type=CHAPservice=PPP priv=1Jan 30 12:17:14: TAC+: ver=192 id=2384902384 received AUTHEN  
status = PASSJan 30 12:17:14: AAA/AUTHEN: free\_user (0x1F5270) user='janedoe@rtp.cisco.com'  
ruser='' port='Virtual-Access1' rem\_addr='' authen\_type=CHAPservice=PPP priv=1Jan 30 12:17:14:  
AAA/AUTHEN (562517969): status = PASSJan 30 12:17:14: Vi1 AAA/AUTHOR/LCP: Authorize LCPJan 30  
12:17:14: AAA/AUTHOR/LCP Vi1 (413543389): Port='Virtual-Access1' list='' service=NETJan 30  
12:17:14: AAA/AUTHOR/LCP: Vi1 (413543389) user='janedoe@rtp.cisco.com'Jan 30 12:17:14:  
AAA/AUTHOR/LCP: Vi1 (413543389) send AV service=pppJan 30 12:17:14: AAA/AUTHOR/LCP: Vi1  
(413543389) send AV protocol=lcpJan 30 12:17:14: AAA/AUTHOR/LCP (413543389) found list  
"default"Jan 30 12:17:14: AAA/AUTHOR/LCP: Vi1 (413543389) Method=TACACS+Jan 30 12:17:14:  
AAA/AUTHOR/TAC+: (413543389): user=janedoe@rtp.cisco.comJan 30 12:17:14: AAA/AUTHOR/TAC+:  
(413543389): send AV service=pppJan 30 12:17:14: AAA/AUTHOR/TAC+: (413543389): send AV  
protocol=lcpJan 30 12:17:14: TAC+: (413543389): received author response status = PASS\_ADDJan 30  
12:17:14: AAA/AUTHOR (413543389): Post authorization status = PASS\_ADDJan 30 12:17:14:  
AAA/ACCT/NET/START User janedoe@rtp.cisco.com, Port Virtual-Access1, List ""Jan 30 12:17:14:  
AAA/ACCT/NET: Found list "default"Jan 30 12:17:14: Vi1 AAA/AUTHOR/FSM: (0): Can we start  
IPCP?Jan 30 12:17:14: AAA/AUTHOR/FSM Vi1 (1358526470): Port='Virtual-Access1' list=''  
service=NETJan 30 12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470) user='janedoe@rtp.cisco.com'Jan 30  
12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470) send AV service=pppJan 30 12:17:14: AAA/AUTHOR/FSM:  
Vi1 (1358526470) send AV protocol=ipJan 30 12:17:14: AAA/AUTHOR/FSM (1358526470) found list  
"default"Jan 30 12:17:14: AAA/AUTHOR/FSM: Vi1 (1358526470) Method=TACACS+Jan 30 12:17:14:  
AAA/AUTHOR/TAC+: (1358526470): user=janedoe@rtp.cisco.comJan 30 12:17:14: AAA/AUTHOR/TAC+:

```
(1358526470): send AV service=pppJan 30 12:17:14: AAA/AUTHOR/TAC+: (1358526470): send AV
protocol=ipJan 30 12:17:14: TAC+: (1358526470): received author response status = PASS_ADDJan 30
12:17:14: AAA/AUTHOR (1358526470): Post authorization status = PASS_ADDJan 30 12:17:14: Vi1
AAA/AUTHOR/FSM: We can start IPCPJan 30 12:17:14: TAC+: (1442592025): received acct response
status = UNKNOWN20:12:16: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1,
changed state to upJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want
0.0.0.0Jan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:16: Vi1
AAA/AUTHOR/IPCP: Processing AV protocol=ipJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Authorization
succeededJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0Jan 30
12:17:16: Vi1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 10.6.1.1Jan 30 12:17:16: Vi1
AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Processing AV
protocol=ipJan 30 12:17:16: Vi1 AAA/AUTHOR/IPCP: Authorization succeededJan 30 12:17:16: Vi1
AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 10.6.1.1Jan 30 12:17:16: Vi1
AAA/AUTHOR/IPCP: Start. Her address 10.6.1.1, we want 10.6.1.1Jan 30 12:17:16: AAA/AUTHOR/IPCP
Vi1 (3572380713): Port='Virtual-Access1' list='' service=NETJan 30 12:17:16: AAA/AUTHOR/IPCP:
Vi1 (3572380713) user='janedoe@rtp.cisco.com'Jan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713)
send AV service=pppJan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713) send AV protocol=ipJan 30
12:17:16: AAA/AUTHOR/IPCP: Vi1 (3572380713) send AV addr*10.6.1.1Jan 30 12:17:16:
AAA/AUTHOR/IPCP (3572380713) found list "default"Jan 30 12:17:16: AAA/AUTHOR/IPCP: Vi1
(3572380713) Method=TACACS+Jan 30 12:17:16: AAA/AUTHOR/TAC+: (3572380713):
user=janedoe@rtp.cisco.comJan 30 12:17:16: AAA/AUTHOR/TAC+: (3572380713): send AV service=pppJan
30 12:17:16: AAA/AUTHOR/TAC+: (3572380713): send AV protocol=ipJan 30 12:17:16: AAA/AUTHOR/TAC+:
(3572380713): send AV addr*10.6.1.1Jan 30 12:17:17: TAC+: (3572380713): received author response
status = PASS_ADDJan 30 12:17:17: AAA/AUTHOR (3572380713): Post authorization status =
PASS_ADDJan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Processing AV service=pppJan 30 12:17:17: Vi1
AAA/AUTHOR/IPCP: Processing AV protocol=ipJan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Processing AV
addr*10.6.1.1Jan 30 12:17:17: Vi1 AAA/AUTHOR/IPCP: Authorization succeededJan 30 12:17:17: Vi1
AAA/AUTHOR/IPCP: Done. Her address 10.6.1.1, we want 10.6.1.1LNS#
```

## [関連情報](#)

- [Cisco Secure UNIX に関するサポート ページ](#)
- [TACACS/TACACS+ に関するサポートページ](#)
- [Cisco IOSドキュメンテーションの TACACS+](#)
- [Cisco Secure ACS for Windows に関するサポート ページ](#)
- [テクニカルサポート - Cisco Systems](#)