

# مداخ ي ف IP تاعمجت ةرادإل AAA مداخ مادختسإ ةكبشلا ىلإ لوصولا

## المحتويات

- [المقدمة](#)
- [قبل البدء](#)
- [الاصطلاحات](#)
- [المتطلبات الأساسية](#)
- [المكونات المستخدمة](#)
- [تجمعات IP](#)
- [تكوين RADIUS NAS](#)
- [ملف تعريف تجمع AAA لخادم NAS](#)
- [ملف تعريف مستخدم خادم AAA](#)
- [التحقق](#)
- [تكوين TACACS+ NAS](#)
- [ملف تعريف تجمع AAA لخادم NAS](#)
- [ملف تعريف مستخدم خادم AAA](#)
- [إخراج تصحيح الأخطاء](#)
- [معلومات ذات صلة](#)

## المقدمة

يقدم هذا المستند نموذجاً لتكوينات استخدام خادم AAA لإدارة تجمعات IP في خادم الوصول إلى الشبكة (NAS).

## قبل البدء

### الاصطلاحات

للحصول على مزيد من المعلومات حول اصطلاحات المستندات، راجع [اصطلاحات تلميحات Cisco التقنية](#).

### المتطلبات الأساسية

لا توجد متطلبات أساسية خاصة لهذا المستند.

### المكونات المستخدمة

تستند المعلومات الواردة في هذا المستند إلى إصدارات البرامج والمكونات المادية أدناه.

• برنامج Cisco IOS®، الإصدار T.12.0.7

تم إنشاء المعلومات المقدمة في هذا المستند من الأجهزة الموجودة في بيئة معملية خاصة. بدأت جميع الأجهزة

المُستخدمة في هذا المستند بتكوين مسموح (افتراضي). إذا كنت تعمل في شبكة مباشرة، فتأكد من فهمك للتأثير المحتمل لأي أمر قبل استخدامه.

## تجمعات IP

أثناء تفاوض عنوان بروتوكول التحكم في بروتوكول (IPCP) (IP)، إذا تم تحديد اسم تجمع IP لمستخدم، يتحقق NAS مما إذا كان التجمع المسمى محدد محلياً. إذا كان كذلك، فلا يلزم أي إجراء خاص ويتم إستشارة التجمع المحلي لعنوان IP. إذا لم يكن التجمع المطلوب موجوداً، يتم إجراء إستدعاء تحويل للحصول عليه، باستخدام اسم المستخدم الخاص "pool-nas-name" حيث يكون "nas-name" هو اسم المضيف الذي تم تكوينه لـ NAS. واستجابة لذلك، يقوم خادم AAA بتنزيل تكوين التجمع المطلوب. يمكنك تكوين اسم مستخدم تجمع مختلف باستخدام اسم مستخدم التكوين AAA config-username لاسم إختيارك.

يتلقى هذا أمر التأثير أن يغير ال username أن يكون استعملت أن يجلب البركة تعريف من التقصير إسم "pool-nas-name" إلى "name-of-choosing".

لا يتم الاحتفاظ بالمجموعات التي تم تنزيلها إلى وحدة تخزين متصلة بالشبكة (NAS) من Cisco في الذاكرة غير المتطايرة، وتختفي تلقائياً عند إعادة تشغيل خادم الوصول أو الموجه. كما يمكن تخصيص وقت للتجمعات التي تم تنزيلها تلقائياً عن طريق إضافة زوج صوت/فيديو مناسب. يتم وضع علامة ديناميكي على التجمعات التي تم تنزيلها في إخراج الأمر `show ip local pools`.

## تكوين RADIUS NAS

```
aaa new-model
aaa authentication login default group radius
aaa authentication ppp default if-needed group radius
aaa authorization network default group radius
aaa configuration config-username nas1-pools
radius-server host 172.18.124.114 auth-port 1645 acct-port 1646
radius-server key cisco
```

### ملف تعريف تجمع AAA لخادم NAS

```
ViewProfile -p 9900 -u nas1-pools/.
User Profile Information
user = nas1-pools
profile_id=63
profile_cycle = 7
member = nas_profiles
"*****" password = pap
} radius=Cisco
} =reply_attributes
5=6
"ip:pool-def#1= pool1 172.22.83.2 172.22.83.253"=9,1
{
{
{
```

يوضح هذا المثال المستخدم "nas1-pools" الذي تم إنشاؤه في خادم (CiscoSecure UNIX (CSU). يحدد هذا الإدخال نوع خدمة المستخدم الخاص بالمستخدم الصادر {5=6}. يتم توفير هذه السمة بواسطة NAS لمنع عمليات تسجيل الدخول العادية من إستخدام مجموعة اسم المستخدم وكلمة المرور المعروفة من NAS1-pools/Cisco.

### ملف تعريف مستخدم خادم AAA

```

ViewProfile -p 9900 -u pool_test/.
    }user = pool_test
      profile_id = 46
      profile_cycle = 14
      member = dial_rad
      "*****" password = pap
    } radius=Cisco
  } =reply_attributes
    1=7
    2=6
  "ip:addr-pool=pool1"=9,1
  {
  {
  {
  {
  {

```

[التحقق](#)

يدخل المستخدم "pool\_test" ويعين عنوان IP من التجمع 1 في خادم AAA.

```

as5300#show debug
:General OS
AAA Authentication debugging is on
AAA Authorization debugging is on
:PPP
PPP protocol negotiation debugging is on
Radius protocol debugging is on
as5300#term mon
as5300#
LINK-3-UPDOWN: Interface Async5, changed state to up% :00:26:01
As5 PPP: Treating connection as a dedicated line :00:26:01
As5 PPP: Phase is ESTABLISHING, Active Open :00:26:01
As5 AAA/AUTHOR/FSM: (0): LCP succeeds trivially :00:26:01
As5 LCP: O CONFREQ [Closed] id 1 len 24 :00:26:01
(As5 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:26:01
(As5 LCP: AuthProto PAP (0x0304C023 :00:26:01
(As5 LCP: MagicNumber 0xD0D1EC92 (0x0506D0D1EC92 :00:26:01
(As5 LCP: PFC (0x0702 :00:26:01
(As5 LCP: ACFC (0x0802 :00:26:01
As5 LCP: I CONFACK [REQsent] id 1 len 24 :00:26:01
(As5 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:26:01
(As5 LCP: AuthProto PAP (0x0304C023 :00:26:01
(As5 LCP: MagicNumber 0xD0D1EC92 (0x0506D0D1EC92 :00:26:01
(As5 LCP: PFC (0x0702 :00:26:01
(As5 LCP: ACFC (0x0802 :00:26:01
As5 LCP: I CONFREQ [ACKrcvd] id 0 len 23 :00:26:02
(As5 LCP: ACCM 0x00000000 (0x020600000000 :00:26:02
(As5 LCP: MagicNumber 0x00002BF7 (0x050600002BF7 :00:26:02
(As5 LCP: PFC (0x0702 :00:26:02
(As5 LCP: ACFC (0x0802 :00:26:02
(As5 LCP: Callback 6 (0x0D0306 :00:26:02
As5 LCP: O CONFREQ [ACKrcvd] id 0 len 7 :00:26:02
(As5 LCP: Callback 6 (0x0D0306 :00:26:02
As5 LCP: TIMEOUT: State ACKrcvd :00:26:03
As5 LCP: O CONFREQ [ACKrcvd] id 2 len 24 :00:26:03
(As5 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:26:03
(As5 LCP: AuthProto PAP (0x0304C023 :00:26:03
(As5 LCP: MagicNumber 0xD0D1EC92 (0x0506D0D1EC92 :00:26:03
(As5 LCP: PFC (0x0702 :00:26:03
(As5 LCP: ACFC (0x0802 :00:26:03
As5 LCP: I CONFACK [REQsent] id 2 len 24 :00:26:03

```

```
(As5 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:26:03
(As5 LCP: AuthProto PAP (0x0304C023 :00:26:03
(As5 LCP: MagicNumber 0xD0D1EC92 (0x0506D0D1EC92 :00:26:03
(As5 LCP: PFC (0x0702 :00:26:03
(As5 LCP: ACFC (0x0802 :00:26:03
As5 LCP: TIMEOUT: State ACKrcvd :00:26:05
As5 LCP: O CONFREQ [ACKrcvd] id 3 len 24 :00:26:05
(As5 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:26:05
(As5 LCP: AuthProto PAP (0x0304C023 :00:26:05
(As5 LCP: MagicNumber 0xD0D1EC92 (0x0506D0D1EC92 :00:26:05
(As5 LCP: PFC (0x0702 :00:26:05
(As5 LCP: ACFC (0x0802 :00:26:05
As5 LCP: I CONFACK [REQsent] id 3 len 24 :00:26:05
(As5 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:26:05
(As5 LCP: AuthProto PAP (0x0304C023 :00:26:05
(As5 LCP: MagicNumber 0xD0D1EC92 (0x0506D0D1EC92 :00:26:05
(As5 LCP: PFC (0x0702 :00:26:05
(As5 LCP: ACFC (0x0802 :00:26:05
As5 LCP: I CONFREQ [ACKrcvd] id 0 len 23 :00:26:06
(As5 LCP: ACCM 0x00000000 (0x020600000000 :00:26:06
(As5 LCP: MagicNumber 0x00002BF7 (0x050600002BF7 :00:26:06
(As5 LCP: PFC (0x0702 :00:26:06
(As5 LCP: ACFC (0x0802 :00:26:06
(As5 LCP: Callback 6 (0x0D0306 :00:26:06
As5 LCP: O CONFREQ [ACKrcvd] id 0 len 7 :00:26:06
(As5 LCP: Callback 6 (0x0D0306 :00:26:06
As5 LCP: I CONFREQ [ACKrcvd] id 1 len 20 :00:26:06
(As5 LCP: ACCM 0x00000000 (0x020600000000 :00:26:06
(As5 LCP: MagicNumber 0x00002BF7 (0x050600002BF7 :00:26:06
(As5 LCP: PFC (0x0702 :00:26:06
(As5 LCP: ACFC (0x0802 :00:26:06
As5 LCP: O CONFACK [ACKrcvd] id 1 len 20 :00:26:06
(As5 LCP: ACCM 0x00000000 (0x020600000000 :00:26:06
(As5 LCP: MagicNumber 0x00002BF7 (0x050600002BF7 :00:26:06
(As5 LCP: PFC (0x0702 :00:26:06
(As5 LCP: ACFC (0x0802 :00:26:06
As5 LCP: State is Open :00:26:06
As5 PPP: Phase is AUTHENTICATING, by this end :00:26:06
As5 LCP: I IDENTIFY [Open] id 2 len 18 magic 0x00002BF7 MSRASV4.00 :00:26:06
As5 LCP: I IDENTIFY [Open] id 3 len 21 magic 0x00002BF7 MSRAS-1-ZEKIE :00:26:06
"As5 PAP: I AUTH-REQ id 31 len 24 from "pool_test :00:26:06
As5 PAP: Authenticating peer pool_test :00:26:06
AAA: parse name=Async5 idb type=10 tty=5 :00:26:06
AAA: name=Async5 flags=0x11 type=4 shelf=0 slot=0 adapter=0 :00:26:06
port=5 channel=0
AAA: parse name=Serial0:18 idb type=12 tty=-1 :00:26:06
AAA: name=Serial0:18 flags=0x51 type=1 shelf=0 slot=0 adapter=0 :00:26:06
port=0 channel=18
''=AAA/MEMORY: create_user (0x618FFBB0) user='pool_test' ruser :00:26:06
port='Async5' rem_addr='9194722001/9194724101' authen_type=PAP service=PPP priv=1
AAA/AUTHEN/START (2962877775): port='Async5' list='' action=LOGIN :00:26:06
service=PPP
AAA/AUTHEN/START (2962877775): using "default" list :00:26:06
AAA/AUTHEN (2962877775): status = UNKNOWN :00:26:06
(AAA/AUTHEN/START (2962877775): Method=radius (radius :00:26:06
RADIUS: ustruct sharecount=1 :00:26:06
,RADIUS: Initial Transmit Async5 id 10 172.18.124.114:1645 :00:26:06
Access-Request, len 103
Attribute 4 6 01010101 :00:26:06
Attribute 5 6 00000005 :00:26:06
Attribute 61 6 00000000 :00:26:06
Attribute 1 11 706F6F6C :00:26:06
Attribute 30 12 39313934 :00:26:06
Attribute 31 12 39313934 :00:26:06
```

```
Attribute 2 18 FC2DE489 :00:26:06
Attribute 6 6 00000002 :00:26:06
Attribute 7 6 00000001 :00:26:06
,RADIUS: Received from id 10 172.18.124.114:1645, Access-Accept :00:26:06
len 58
Attribute 7 6 00000001 :00:26:06
Attribute 6 6 00000002 :00:26:06
Attribute 26 26 0000000901146970 :00:26:06
RADIUS: saved authorization data for user 618FFBB0 at 618FEAE4 :00:26:06
AAA/AUTHEN (2962877775): status = PASS :00:26:06
As5 AAA/AUTHOR/LCP: Authorize LCP :00:26:06
As5 AAA/AUTHOR/LCP (3264835197): Port='Async5' list='' service=NET :00:26:06
'AAA/AUTHOR/LCP: As5 (3264835197) user='pool_test :00:26:06
As5 AAA/AUTHOR/LCP (3264835197): send AV service=ppp :00:26:06
As5 AAA/AUTHOR/LCP (3264835197): send AV protocol=lcp :00:26:06
"As5 AAA/AUTHOR/LCP (3264835197): found list "default :00:26:06
(As5 AAA/AUTHOR/LCP (3264835197): Method=radius (radius :00:26:06
RADIUS: cisco AVPair "ip:addr-pool=pool1" not applied for lcp :00:26:06
As5 AAA/AUTHOR (3264835197): Post authorization status = PASS_REPL :00:26:06
As5 AAA/AUTHOR/LCP: Processing AV service=ppp :00:26:06
As5 PAP: O AUTH-ACK id 31 len 5 :00:26:06
As5 PPP: Phase is UP :00:26:06
?As5 AAA/AUTHOR/FSM: (0): Can we start IPCP :00:26:06
As5 AAA/AUTHOR/FSM (2404696831): Port='Async5' list='' service=NET :00:26:06
'AAA/AUTHOR/FSM: As5 (2404696831) user='pool_test :00:26:06
As5 AAA/AUTHOR/FSM (2404696831): send AV service=ppp :00:26:06
As5 AAA/AUTHOR/FSM (2404696831): send AV protocol=ip :00:26:06
"As5 AAA/AUTHOR/FSM (2404696831): found list "default :00:26:06
(As5 AAA/AUTHOR/FSM (2404696831): Method=radius (radius :00:26:06
"RADIUS: cisco AVPair "ip:addr-pool=pool1 :00:26:06
As5 AAA/AUTHOR (2404696831): Post authorization status = PASS_REPL :00:26:06
As5 AAA/AUTHOR/FSM: We can start IPCP :00:26:06
As5 IPCP: O CONFREQ [Closed] id 1 len 10 :00:26:06
(As5 IPCP: Address 14.36.1.53 (0x03060E240135 :00:26:06
As5 CCP: I CONFREQ [Not negotiated] id 4 len 10 :00:26:07
(As5 CCP: MS-PPC supported bits 0x00000001 (0x120600000001 :00:26:07
As5 LCP: O PROTREJ [Open] id 4 len 16 protocol CCP :00:26:07
(0x80FD0104000A120600000001)
As5 IPCP: I CONFREQ [REQsent] id 5 len 40 :00:26:07
(As5 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01 :00:26:07
(As5 IPCP: Address 0.0.0.0 (0x030600000000 :00:26:07
(As5 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000 :00:26:07
(As5 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000 :00:26:07
(As5 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000 :00:26:07
(As5 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000 :00:26:07
As5 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0 :00:26:07
As5 AAA/AUTHOR/IPCP: Says use pool pool1 :00:26:07
AAA: parse name=Async5 idb type=10 tty=5 :00:26:07
AAA: name=Async5 flags=0x11 type=4 shelf=0 slot=0 adapter=0 :00:26:07
port=5 channel=0
AAA: parse name=Serial0:18 idb type=12 tty=-1 :00:26:07
AAA: name=Serial0:18 flags=0x51 type=1 shelf=0 slot=0 adapter=0 :00:26:07
port=0 channel=18
'=AAA/MEMORY: create_user (0x618FFCD8) user='nas1-pools' ruser :00:26:07
port='Async5' rem_addr='9194722001/9194724101' authen_type=NONE service=NONE priv=1
As5 AAA/AUTHOR/POOL (3562270977): Port='Async5' list='' service=NET :00:26:07
'AAA/AUTHOR/POOL: As5 (3562270977) user='nas1-pools :00:26:07
As5 AAA/AUTHOR/POOL (3562270977): send AV service=ppp :00:26:07
As5 AAA/AUTHOR/POOL (3562270977): send AV protocol=ip :00:26:07
"Async5 AAA/AUTHOR/POOL (3562270977): found list "default :00:26:07
(As5 AAA/AUTHOR/POOL (3562270977): Method=radius (radius :00:26:07
RADIUS: authenticating to get author data :00:26:07
RADIUS: ustruct sharecount=2 :00:26:07
,RADIUS: Initial Transmit Async5 id 11 172.18.124.114:1645, Access-Request :00:26:07
```

```

len 98
Attribute 4 6 01010101 :00:26:07
Attribute 5 6 00000005 :00:26:07
Attribute 61 6 00000000 :00:26:07
Attribute 1 12 6E617331 :00:26:07
Attribute 30 12 39313934 :00:26:07
Attribute 31 12 39313934 :00:26:07
Attribute 2 18 E6DF8390 :00:26:07
Attribute 6 6 00000005 :00:26:07
RADIUS: Received from id 11 172.18.124.114:1645, Access-Accept, len 69 :00:26:07
Attribute 6 6 00000005 :00:26:07
Attribute 26 43 0000000901256970 :00:26:07
RADIUS: saved authorization data for user 618FFCD8 at 61450E5C :00:26:07
"RADIUS: cisco AVPair "ip:pool-def#1=pool1 1.2.3.4 1.2.3.5 :00:26:07
AAA/AUTHOR (3562270977): Post authorization status = PASS_REPL :00:26:07
As5 AAA/AUTHOR/CONFIG: Processing AV pool-def#1=pool1 1.2.3.4 1.2.3.5 :00:26:07
''=AAA/MEMORY: free_user (0x618FFCD8) user='nas1-pools' ruser :00:26:07
port='Async5' rem_addr='9194722001/9194724101' authen_type=NONE service=NONE
priv=1
As5 AAA/AUTHOR/IPCP: Pool returned 1.2.3.4 :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV service=ppp :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV addr-pool=pool1 :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV addr*1.2.3.4 :00:26:07
As5 AAA/AUTHOR/IPCP: Authorization succeeded :00:26:07
As5 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 1.2.3.4 :00:26:07
As5 IPCP: O CONFREQ [REQsent] id 5 len 34 :00:26:07
(As5 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01 :00:26:07
(As5 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000 :00:26:07
(As5 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000 :00:26:07
(As5 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000 :00:26:07
(As5 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000 :00:26:07
As5 IPCP: I CONFACK [REQsent] id 1 len 10 :00:26:07
(As5 IPCP: Address 14.36.1.53 (0x03060E240135 :00:26:07
As5 IPCP: I CONFREQ [ACKrcvd] id 6 len 10 :00:26:07
(As5 IPCP: Address 0.0.0.0 (0x030600000000 :00:26:07
As5 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 1.2.3.4 :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV service=ppp :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV addr-pool=pool1 :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV addr*1.2.3.4 :00:26:07
As5 AAA/AUTHOR/IPCP: Authorization succeeded :00:26:07
As5 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 1.2.3.4 :00:26:07
As5 IPCP: O CONFNAK [ACKrcvd] id 6 len 10 :00:26:07
(As5 IPCP: Address 1.2.3.4 (0x030601020304 :00:26:07
As5 IPCP: I CONFREQ [ACKrcvd] id 7 len 10 :00:26:07
(As5 IPCP: Address 1.2.3.4 (0x030601020304 :00:26:07
As5 AAA/AUTHOR/IPCP: Start. Her address 1.2.3.4, we want 1.2.3.4 :00:26:07
As5 AAA/AUTHOR/IPCP: Request 1.2.3.4 from pool pool1 :00:26:07
As5 AAA/AUTHOR/IPCP: Pool grants 1.2.3.4 :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV service=ppp :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV addr-pool=pool1 :00:26:07
As5 AAA/AUTHOR/IPCP: Processing AV addr*1.2.3.4 :00:26:07
As5 AAA/AUTHOR/IPCP: Authorization succeeded :00:26:07
As5 AAA/AUTHOR/IPCP: Done. Her address 1.2.3.4, we want 1.2.3.4 :00:26:07
As5 IPCP: O CONFACK [ACKrcvd] id 7 len 10 :00:26:07
(As5 IPCP: Address 1.2.3.4 (0x030601020304 :00:26:07
As5 IPCP: State is Open :00:26:07
As5 IPCP: Install route to 1.2.3.4 :00:26:07
,LINEPROTO-5-UPDOWN: Line protocol on Interface Async5% :00:26:07
changed state to up
as5300#show caller ip
<-> Line User IP Address Local Number Remote Number
As5 pool_test 1.2.3.4 9194724101 9194722001
as5300#show ip local pool
Pool Begin End Free In use

```

(pool1

1.2.3.4

1.2.3.5

1

1 (dynamic

## TACACS+ NAS تكوين

```
aaa new-model
+aaa authentication login default group tacacs
+aaa authentication ppp default if-needed group tacacs
+aaa authorization network default group tacacs
aaa configuration config-username nas1-pools
tacacs-server host 172.18.124.114
tacacs-server key cisco
```

### ملف تعريف تجمع AAA لخدم NAS

```
ViewProfile -p 9900 -u nas1-pools/.
User Profile Information
user = nas1-pools
profile_id = 63
profile_cycle = 8
} service=ppp
} protocol=ip
"set pool-def#1="pool1 1.2.3.4 1.2.3.5
{
{
{
```

### ملف تعريف مستخدم خادم AAA

```
ViewProfile -p 9900 -u pool_test/.
User Profile Information
}user = pool_test
profile_id = 46
profile_cycle = 15
"*****" password = pap
} service=ppp
} protocol=lcp
{
} protocol=ip
set addr-pool=pool1
{
{
{
```

### إخراج تصحيح الأخطاء

```
Script started on Mon Dec 10 13:22:05 2001
ddunlap@rtp-cse-353% telnet 172.18.124.114
...Trying 172.18.124.114
.Connected to 172.18.124.114
.'[^' Escape character is
```

(UNIX(r) System V Release 4.0 (rtp-evergreen

login: root
:Password

```
Last login: Mon Dec 10 10:09:01 from rtp-cse-353.cisc
Sun Microsystems Inc. SunOS 5.5.1 Generic May 1996
Sun Microsystems Inc. SunOS 5.5.1 Generic May 1996
telnet 14.36.1.53 #
...Trying 14.36.1.53
.Connected to 14.36.1.53
.'[^' Escape character is
```

User Access Verification

```
Username: testuser
:Password
```

```
as5300>en
:Password
```

```
as5300#show debug
:General OS
```

```
TACACS access control debugging is on
AAA Authentication debugging is on
AAA Authorization debugging is on
:PPP
```

```
PPP protocol negotiation debugging is on
```

```
as5300#terminal monitor
```

```
as5300#
```

```
As1 LCP: I CONFREQ [Closed] id 0 len 23 :00:06:29
(As1 LCP: ACCM 0x00000000 (0x020600000000 :00:06:29
(As1 LCP: MagicNumber 0x00006D9C (0x050600006D9C :00:06:29
(As1 LCP: PFC (0x0702 :00:06:29
(As1 LCP: ACFC (0x0802 :00:06:29
(As1 LCP: Callback 6 (0x0D0306 :00:06:29
As1 LCP: Lower layer not up, Fast Starting :00:06:29
As1 PPP: Treating connection as a dedicated line :00:06:29
As1 PPP: Phase is ESTABLISHING, Active Open :00:06:29
As1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially :00:06:29
As1 LCP: O CONFREQ [Closed] id 1 len 24 :00:06:29
(As1 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:06:29
(As1 LCP: AuthProto PAP (0x0304C023 :00:06:29
(As1 LCP: MagicNumber 0xD0C0094C (0x0506D0C0094C :00:06:29
(As1 LCP: PFC (0x0702 :00:06:29
(As1 LCP: ACFC (0x0802 :00:06:29
As1 LCP: O CONFREQ [REQsent] id 0 len 7 :00:06:29
(As1 LCP: Callback 6 (0x0D0306 :00:06:29
LINK-3-UPDOWN: Interface Async1, changed state to up% :00:06:29
As1 LCP: TIMEOUT: State REQsent :00:06:31
As1 LCP: O CONFREQ [REQsent] id 2 len 24 :00:06:31
(As1 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:06:31
(As1 LCP: AuthProto PAP (0x0304C023 :00:06:31
(As1 LCP: MagicNumber 0xD0C0094C (0x0506D0C0094C :00:06:31
(As1 LCP: PFC (0x0702 :00:06:31
(As1 LCP: ACFC (0x0802 :00:06:31
As1 LCP: I CONFACK [REQsent] id 2 len 24 :00:06:31
(As1 LCP: ACCM 0x000A0000 (0x0206000A0000 :00:06:31
(As1 LCP: AuthProto PAP (0x0304C023 :00:06:31
(As1 LCP: MagicNumber 0xD0C0094C (0x0506D0C0094C :00:06:31
(As1 LCP: PFC (0x0702 :00:06:31
(As1 LCP: ACFC (0x0802 :00:06:31
As1 LCP: I CONFREQ [ACKrcvd] id 0 len 23 :00:06:32
(As1 LCP: ACCM 0x00000000 (0x020600000000 :00:06:32
(As1 LCP: MagicNumber 0x00006D9C (0x050600006D9C :00:06:32
(As1 LCP: PFC (0x0702 :00:06:32
(As1 LCP: ACFC (0x0802 :00:06:32
(As1 LCP: Callback 6 (0x0D0306 :00:06:32
As1 LCP: O CONFREQ [ACKrcvd] id 0 len 7 :00:06:32
```



```
(As1 LCP:      Callback 6 (0x0D0306 :00:06:32
As1 LCP: I CONFREQ [ACKrcvd] id 1 len 20 :00:06:32
(As1 LCP:      ACCM 0x00000000 (0x020600000000 :00:06:32
(As1 LCP:      MagicNumber 0x00006D9C (0x050600006D9C :00:06:32
                (As1 LCP:      PFC (0x0702 :00:06:32
                (As1 LCP:      ACFC (0x0802 :00:06:32
As1 LCP: O CONFACK [ACKrcvd] id 1 len 20 :00:06:32
(As1 LCP:      ACCM 0x00000000 (0x020600000000 :00:06:32
(As1 LCP:      MagicNumber 0x00006D9C (0x050600006D9C :00:06:32
                (As1 LCP:      PFC (0x0702 :00:06:32
                (As1 LCP:      ACFC (0x0802 :00:06:32
                As1 LCP: State is Open :00:06:32
As1 PPP: Phase is AUTHENTICATING, by this end :00:06:32
As1 LCP: I IDENTIFY [Open] id 2 len 18 magic 0x00006D9C MSRASV4.00 :00:06:32
As1 LCP: I IDENTIFY [Open] id 3 len 21 magic 0x00006D9C MSRAS-1-ZEKIE :00:06:32
  "As1 PAP: I AUTH-REQ id 24 len 24 from "pool_test :00:06:32
    As1 PAP: Authenticating peer pool_test :00:06:32
    AAA: parse name=Async1 idb type=10 tty=1 :00:06:32
    AAA: name=Async1 flags=0x11 type=4 shelf=0 slot=0 :00:06:32
          adapter=0 port=1 channel=0
    AAA: parse name=Serial0:18 idb type=12 tty=-1 :00:06:32
    AAA: name=Serial0:18 flags=0x51 type=1 shelf=0 slot=0 :00:06:32
          adapter=0 port=0 channel=18
  'AAA/MEMORY: create_user (0x61B26890) user='pool_test :00:06:32
  ruser='' port='Async1' rem_addr='9194722001/9194724101' authen_type=PAP
          service=PPP priv=1
  ''=AAA/AUTHEN/START (4053426223): port='Async1' list :00:06:32
          action=LOGIN service=PPP
  AAA/AUTHEN/START (4053426223): using "default" list :00:06:32
    AAA/AUTHEN (4053426223): status = UNKNOWN :00:06:32
  (+AAA/AUTHEN/START (4053426223): Method=tacacs+ (tacacs :00:06:32
  TAC+: send AUTHEN/START packet ver=193 id=4053426223 :00:06:32
  .TAC+: Using default tacacs server-group "tacacs+" list :00:06:32
  TAC+: Opening TCP/IP to 172.18.124.114/49 timeout=10 :00:06:32
  TAC+: Opened TCP/IP handle 0x618FDF3C to 172.18.124.114/49 :00:06:32
          using source 14.36.1.53
  TAC+: 172.18.124.114 (4053426223) AUTHEN/START/LOGIN/PAP queued :00:06:32
  TAC+: (4053426223) AUTHEN/START/LOGIN/PAP processed :00:06:32
  TAC+: ver=193 id=4053426223 received AUTHEN status = PASS :00:06:32
    AAA/AUTHEN (4053426223): status = PASS :00:06:32
  TAC+: Closing TCP/IP 0x618FDF3C connection to 172.18.124.114/49 :00:06:32
    As1 AAA/AUTHOR/LCP: Authorize LCP :00:06:32
  As1 AAA/AUTHOR/LCP (2507907283): Port='Async1' list='' service=NET :00:06:32
    'AAA/AUTHOR/LCP: As1 (2507907283) user='pool_test :00:06:32
    As1 AAA/AUTHOR/LCP (2507907283): send AV service=ppp :00:06:32
    As1 AAA/AUTHOR/LCP (2507907283): send AV protocol=lcp :00:06:32
    "As1 AAA/AUTHOR/LCP (2507907283): found list "default :00:06:32
  (+As1 AAA/AUTHOR/LCP (2507907283): Method=tacacs+ (tacacs :00:06:32
    AAA/AUTHOR/TAC+: (2507907283): user=pool_test :00:06:32
    AAA/AUTHOR/TAC+: (2507907283): send AV service=ppp :00:06:32
    AAA/AUTHOR/TAC+: (2507907283): send AV protocol=lcp :00:06:32
  +TAC+: using previously set server 172.18.124.114 from group tacacs :00:06:32
  TAC+: Opening TCP/IP to 172.18.124.114/49 timeout=10 :00:06:32
  TAC+: Opened TCP/IP handle 0x61B3B1A4 to 172.18.124.114/49 :00:06:32
          using source 14.36.1.53
  TAC+: Opened 172.18.124.114 index=1 :00:06:32
  TAC+: 172.18.124.114 (2507907283) AUTHOR/START queued :00:06:32
  TAC+: (2507907283) AUTHOR/START processed :00:06:32
  TAC+: (2507907283): received author response status = PASS_ADD :00:06:32
  TAC+: Closing TCP/IP 0x61B3B1A4 connection to 172.18.124.114/49 :00:06:32
  As1 AAA/AUTHOR (2507907283): Post authorization status = PASS_ADD :00:06:32
    As1 PAP: O AUTH-ACK id 24 len 5 :00:06:32
    As1 PPP: Phase is UP :00:06:32
  ?As1 AAA/AUTHOR/FSM: (0): Can we start IPCP :00:06:32
```

```
As1 AAA/AUTHOR/FSM (924563050): Port='Async1' list='' service=NET :00:06:33
  'AAA/AUTHOR/FSM: As1 (924563050) user='pool_test :00:06:33
    As1 AAA/AUTHOR/FSM (924563050): send AV service=ppp :00:06:33
    As1 AAA/AUTHOR/FSM (924563050): send AV protocol=ip :00:06:33
    "As1 AAA/AUTHOR/FSM (924563050): found list "default :00:06:33
      (+As1 AAA/AUTHOR/FSM (924563050): Method=tacacs+ (tacacs :00:06:33
        AAA/AUTHOR/TAC+: (924563050): user=pool_test :00:06:33
        AAA/AUTHOR/TAC+: (924563050): send AV service=ppp :00:06:33
        AAA/AUTHOR/TAC+: (924563050): send AV protocol=ip :00:06:33
      +TAC+: using previously set server 172.18.124.114 from group tacacs :00:06:33
        TAC+: Opening TCP/IP to 172.18.124.114/49 timeout=10 :00:06:33
        TAC+: Opened TCP/IP handle 0x61B3B620 to 172.18.124.114/49 :00:06:33
          using source 14.36.1.53
          TAC+: Opened 172.18.124.114 index=1 :00:06:33
        TAC+: 172.18.124.114 (924563050) AUTHOR/START queued :00:06:33
          As1 CCP: I CONFREQ [Not negotiated] id 4 len 10 :00:06:33
        (As1 CCP: MS-PPC supported bits 0x00000001 (0x120600000001 :00:06:33
          As1 LCP: O PROTREJ [Open] id 3 len 16 protocol CCP :00:06:33
            (0x80FD0104000A120600000001)
          As1 IPCP: I CONFREQ [Closed] id 5 len 40 :00:06:33
        (As1 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01 :00:06:33
          (As1 IPCP: Address 0.0.0.0 (0x030600000000 :00:06:33
            (As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000 :00:06:33
            (As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000 :00:06:33
            (As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000 :00:06:33
            (As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000 :00:06:33
          TAC+: (924563050) AUTHOR/START processed :00:06:33
        TAC+: (924563050): received author response status = PASS_ADD :00:06:33
        TAC+: Closing TCP/IP 0x61B3B620 connection to 172.18.124.114/49 :00:06:33
        As1 AAA/AUTHOR (924563050): Post authorization status = PASS_ADD :00:06:33
          As1 AAA/AUTHOR/FSM: We can start IPCP :00:06:33
            As1 IPCP: O CONFREQ [Closed] id 1 len 10 :00:06:33
              (As1 IPCP: Address 14.36.1.53 (0x03060E240135 :00:06:33
                As1 IPCP: I CONFACK [REQsent] id 1 len 10 :00:06:33
                  (As1 IPCP: Address 14.36.1.53 (0x03060E240135 :00:06:33
                    ,LINEPROTO-5-UPDOWN: Line protocol on Interface Async1% :00:06:34
                      changed state to up
                      As1 IPCP: I CONFREQ [ACKrcvd] id 5 len 40 :00:06:34
                    (As1 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01 :00:06:34
                      (As1 IPCP: Address 0.0.0.0 (0x030600000000 :00:06:34
                        (As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000 :00:06:34
                        (As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000 :00:06:34
                        (As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000 :00:06:34
                        (As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000 :00:06:34
                      As1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0 :00:06:34
                        As1 AAA/AUTHOR/IPCP: Says use pool pool1 :00:06:34
                          AAA: parse name=Async1 idb type=10 tty=1 :00:06:34
                            AAA: name=Async1 flags=0x11 type=4 shelf=0 slot=0 adapter=0 :00:06:34
                              port=1 channel=0
                                AAA: parse name=Serial0:18 idb type=12 tty=-1 :00:06:34
                                  AAA: name=Serial0:18 flags=0x51 type=1 shelf=0 slot=0 adapter=0 :00:06:34
                                    port=0 channel=18
                                      '=AAA/MEMORY: create_user (0x61451E1C) user='nas1-pools' ruser :00:06:34
                                        port='Async1' rem_addr='9194722001/9194724101' authen_type=NONE service=NONE priv=1
                                          '=As1 AAA/AUTHOR/POOL (2293413778): Port='Async1' list :00:06:34
                                            service=NET
                                              'AAA/AUTHOR/POOL: As1 (2293413778) user='nas1-pools :00:06:34
                                                As1 AAA/AUTHOR/POOL (2293413778): send AV service=ppp :00:06:34
                                                As1 AAA/AUTHOR/POOL (2293413778): send AV protocol=ip :00:06:34
                                                "Async1 AAA/AUTHOR/POOL (2293413778): found list "default :00:06:34
                                                  (+As1 AAA/AUTHOR/POOL (2293413778): Method=tacacs+ (tacacs :00:06:34
                                                    AAA/AUTHOR/TAC+: (2293413778): user=nas1-pools :00:06:34
                                                    AAA/AUTHOR/TAC+: (2293413778): send AV service=ppp :00:06:34
                                                    AAA/AUTHOR/TAC+: (2293413778): send AV protocol=ip :00:06:34
```

```

.TAC+: Using default tacacs server-group "tacacs+" list :00:06:34
TAC+: Opening TCP/IP to 172.18.124.114/49 timeout=10 :00:06:34
TAC+: Opened TCP/IP handle 0x61B3BA9C to 172.18.124.114/49 :00:06:34
      using source 14.36.1.53
TAC+: 172.18.124.114 (2293413778) AUTHOR/START queued :00:06:34
      TAC+: (2293413778) AUTHOR/START processed :00:06:34
TAC+: (2293413778): received author response status = PASS_ADD :00:06:34
TAC+: Closing TCP/IP 0x61B3BA9C connection to 172.18.124.114/49 :00:06:34
AAA/AUTHOR (2293413778): Post authorization status = PASS_ADD :00:06:34
As1 AAA/AUTHOR/CONFIG: Processing AV service=ppp :00:06:34
As1 AAA/AUTHOR/CONFIG: Processing AV protocol=ip :00:06:34
As1 AAA/AUTHOR/CONFIG: Processing AV pool-def#1=pool1 1.2.3.4 1.2.3.5 :00:06:34
''=AAA/MEMORY: free_user (0x61451E1C) user='nas1-pools' ruser :00:06:34
port='Asyncl' rem_addr='9194722001/9194724101' authen_type=NONE service=NONE priv=1
As1 AAA/AUTHOR/IPCP: Pool returned 1.2.3.4 :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV service=ppp :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV addr-pool=pool1 :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV addr*1.2.3.4 :00:06:34
As1 AAA/AUTHOR/IPCP: Authorization succeeded :00:06:34
As1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 1.2.3.4 :00:06:34
As1 IPCP: O CONFREQ [ACKrcvd] id 5 len 34 :00:06:34
(As1 IPCP: CompressType VJ 15 slots CompressSlotID (0x0206002D0F01 :00:06:34
      (As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000 :00:06:34
      (As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000 :00:06:34
      (As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000 :00:06:34
      (As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000 :00:06:34
      As1 IPCP: I CONFREQ [ACKrcvd] id 6 len 10 :00:06:34
      (As1 IPCP: Address 0.0.0.0 (0x030600000000 :00:06:34
As1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 1.2.3.4 :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV service=ppp :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV addr-pool=pool1 :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV addr*1.2.3.4 :00:06:34
As1 AAA/AUTHOR/IPCP: Authorization succeeded :00:06:34
As1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 1.2.3.4 :00:06:34
As1 IPCP: O CONFNAK [ACKrcvd] id 6 len 10 :00:06:34
(As1 IPCP: Address 1.2.3.4 (0x030601020304 :00:06:34
As1 IPCP: I CONFREQ [ACKrcvd] id 7 len 10 :00:06:34
(As1 IPCP: Address 1.2.3.4 (0x030601020304 :00:06:34
As1 AAA/AUTHOR/IPCP: Start. Her address 1.2.3.4, we want 1.2.3.4 :00:06:34
As1 AAA/AUTHOR/IPCP: Request 1.2.3.4 from pool pool1 :00:06:34
As1 AAA/AUTHOR/IPCP: Pool grants 1.2.3.4 :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV service=ppp :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV addr-pool=pool1 :00:06:34
As1 AAA/AUTHOR/IPCP: Processing AV addr*1.2.3.4 :00:06:34
As1 AAA/AUTHOR/IPCP: Authorization succeeded :00:06:34
As1 AAA/AUTHOR/IPCP: Done. Her address 1.2.3.4, we want 1.2.3.4 :00:06:34
As1 IPCP: O CONFACK [ACKrcvd] id 7 len 10 :00:06:34
(As1 IPCP: Address 1.2.3.4 (0x030601020304 :00:06:34
      As1 IPCP: State is Open :00:06:34
As1 IPCP: Install route to 1.2.3.4 :00:06:34

```

```

as5300#show caller ip
<-> Line      User      IP Address  Local Number  Remote Number
      As1      pool_test 1.2.3.4     9194724101    9194722001
as5300#show ip local pool
Pool      Begin      End         Free  In use
(pool1    1.2.3.4   1.2.3.5    1     1 (dynamic

```

[معلومات ذات صلة](#)

- [صفحة دعم UNIX الآمن من Cisco](#)
- [صفحة دعم RADIUS](#)
- [طلبات التعليقات \(RFCs\)](#)
- [صفحة دعم +TACACS](#)
- [الدعم التقني والمستندات - Cisco Systems](#)

ةمچرتل هذه لوج

ةللأل تاي نقتل نم ةومچم مادختساب دن تسمل اذہ Cisco تچرت  
ملاعلاء انءمچي فني مدختسمل معدى وتحم مي دقتل ةيرشبل او  
امك ةقيقد نوك تنل ةللأل ةمچرت لصف أن ةظحال مچري. ةصاخل مه تلبل  
Cisco يخلت. فرتحم مچرت مامدقي يتل ةيفارتحال ةمچرتل عم لالحل وه  
ىل إأمئاد ةوچرلاب ي صؤتو تامچرتل هذه ةقدنع اهتيلوئسم Cisco  
Systems (رفوتم طبارل) ي لصلأل يزي لچنل دن تسمل