

تاهجاو ىلع لوصول مئاوق قىب طت ةي فيك TACACS+ مداخ مادختساب بل طلا

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المقدمة

يوضح هذا المستند كيفية تطبيق قوائم الوصول على واجهات الطلب باستخدام خادم TACACS+. هناك طريقتان محتملتان:

- قم بتحديد قائمة الوصول المرقمة على الموجه وحدد قائمة الوصول المرقمة على الخادم. وهذا مدعوم في معظم إصدارات برنامج Cisco IOS®.
 - قم بتحديد قائمة الوصول بالكامل على الخادم. برنامج IOS الإصدار 11.3 من Cisco أو إصدار أحدث مطلوب لهذه الطريقة لكل مستخدم.
- ملاحظة: بالنسبة ل ISDN، يجب عليك استخدام الأسلوب لكل مستخدم ويجب أن يكون لديك ملفات تعريف ظاهرية تم تكوينها على الموجه.

المتطلبات الأساسية

المتطلبات

لا توجد متطلبات خاصة لهذا المستند.

المكونات المستخدمة

تستند المعلومات الواردة في هذا المستند إلى إصدارات البرامج والمكونات المادية التالية:

- برنامج IOS الإصدار 11.1 أو إصدار أحدث من Cisco (تحديد قوائم الوصول على الوجه) برنامج IOS الإصدار 11.3 أو إصدار أحدث من Cisco (تحديد قوائم الوصول على الخادم)
- Cisco Secure ACS ل UNIX مصدر المحتوى الإضافي الآمن من Cisco لنظام التشغيل Windows 2.x والإصدارات الأحدث TACACS+ مجاني

ملاحظة: يفترض هذا المستند أنه تم تكوين الوصول إلى الطلب مسبقاً. لا يناقش هذا المستند تفاصيل تكوين الطلب. ارجع إلى [تكوين NAS للوصول الأساسي إلى الطلب](#) للحصول على معلومات حول كيفية تكوين خادم وصول إلى الشبكة (NAS) للطلب.

تم إنشاء المعلومات الواردة في هذا المستند من الأجهزة الموجودة في بيئة معملية خاصة. بدأت جميع الأجهزة المستخدمة في هذا المستند بتكوين ممسوح (افتراضي). إذا كانت شبكتك مباشرة، فتأكد من فهمك للتأثير المحتمل لأي أمر.

[الاصطلاحات](#)

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

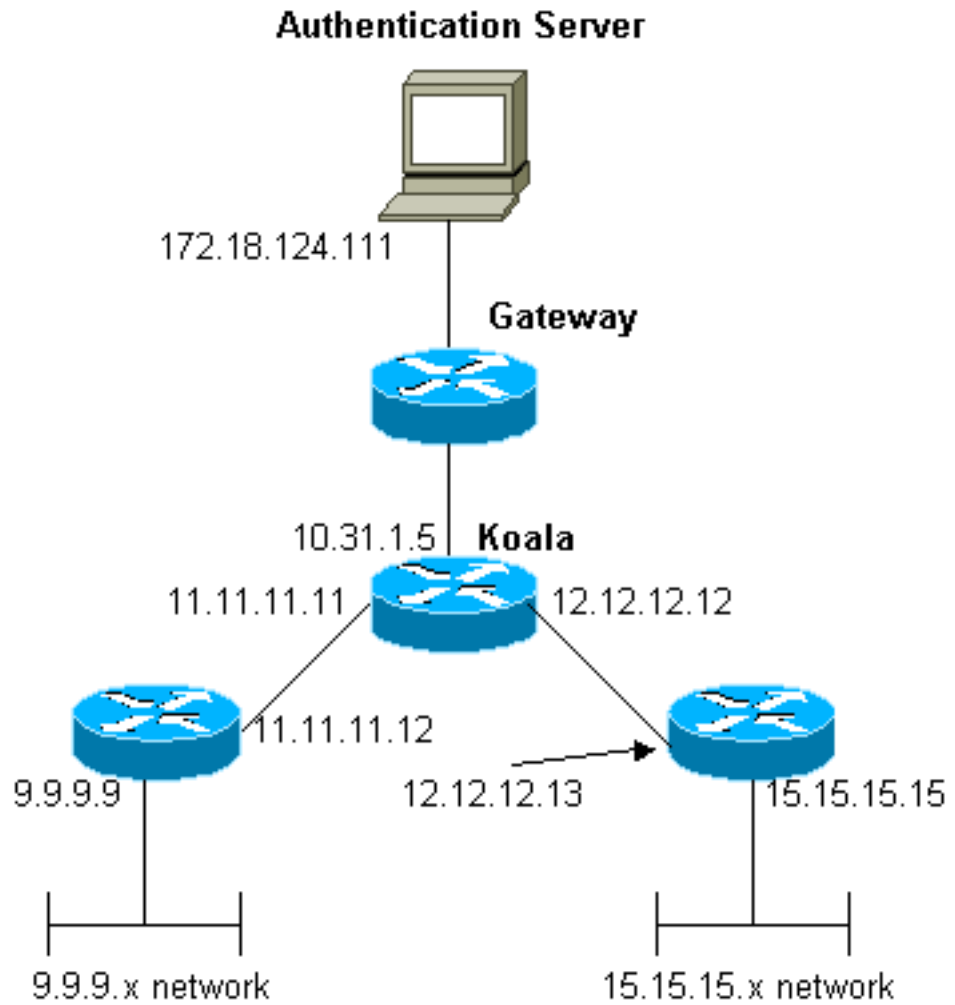
[التكوين](#)

في هذا القسم، تُقدّم لك معلومات تكوين الميزات الموضحة في هذا المستند.

ملاحظة: أستخدم [أداة بحث الأوامر](#) (للعملاء [المسجلين](#) فقط) للعثور على مزيد من المعلومات حول الأوامر المستخدمة في هذا المستند.

[الرسم التخطيطي للشبكة](#)

يستخدم هذا المستند إعداد الشبكة التالي:



ملاحظة: تتيح التكوينات للمستخدم الذي يستقبل العنوان x.1.1.1 من "mypool" إلى شبكة إختبار الاتصال (حركة مرور 9.9.9.x و ICMP و Telnet (حركة مرور TCP) إلى الشبكة x.15.15.15. وهو لا يسمح للمستخدم بإختبار اتصال الشبكة x.15.15.15 أو Telnet بالشبكة x.9.9.9.

التكوينات

يستخدم هذا المستند هذه التكوينات.

- [cisco 2500 sery مسحاج تحديد بركض cisco ios برمجة إطلاق T\(5\)12.0](#)
- [Cisco Secure ACS ل UNIX 2.3](#)
- [مصدر المحتوى الإضافي الآمن من Cisco لنظام التشغيل Windows 3.2](#)

تحديد قوائم الوصول المرقمة على الموجه

الموجه Cisco 2500 Series Router الذي يشغل برنامج IOS، الإصدار T(5)12.0

```

:Current configuration
!
version 12.0
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname koala

```

```

!
aaa new-model
!
These three lines of the configuration !--- are ---!
specific to Cisco IOS Software Release 12.0.5.T and
later. !--- See the Commands for Other Cisco IOS
Releases section for commands !--- for other Cisco IOS
releases. ! aaa authentication login default local group
+tacacs
+aaa authentication ppp default if-needed group tacacs
+aaa authorization network default group tacacs
enable secret 5 $1$mnZQ$g6XdsgVnnYjEa.17v.Pijl
enable password ww
!
username john password 0 doe
!
ip subnet-zero
!
cns event-service server
!
interface Ethernet0
ip address 10.31.1.5 255.255.255.0
no ip directed-broadcast
no mop enabled
!
interface Serial0
ip address 11.11.11.11 255.255.255.0
no ip directed-broadcast
no ip mroute-cache
no fair-queue
!
interface Serial1
ip address 12.12.12.12 255.255.255.0
no ip directed-broadcast
!
interface Async1
ip unnumbered Ethernet0
no ip directed-broadcast
encapsulation ppp
no ip route-cache
no ip mroute-cache
async mode dedicated
peer default ip address pool mypool
fair-queue 64 16 0
no cdp enable
ppp authentication chap
!
ip local pool mypool 1.1.1.1 1.1.1.5
ip classless
ip route 0.0.0.0 0.0.0.0 10.31.1.1
ip route 9.9.9.0 255.255.255.0 11.11.11.12
ip route 15.15.15.0 255.255.255.0 12.12.12.13
no ip http server
!
Access list 101 is defined on the NAS. access-list ---!
101 permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255
access-list 101 permit tcp 1.1.1.0 0.0.0.255 15.15.15.0
0.0.0.255
dialer-list 1 protocol ip permit
dialer-list 1 protocol ipx permit
!
Specify TACACS+ server host and key. tacacs-server ---!
host 172.18.124.111
tacacs-server key cisco

```

```
!
line con 0
transport input none
line 1
modem InOut
transport input all
stopbits 1
speed 115200
flowcontrol hardware
line 2 16
line aux 0
line vty 0 4
password ww
!
end
```

[أوامر لإصدارات Cisco IOS الأخرى](#)

ملاحظة: لاستخدام هذه الأوامر، قم بإزالة الأوامر بخط غامق من تكوين [سلسلة Cisco 2500 Series](#) ولصق هذه الأوامر في، كما هو مطلوب بواسطة إصدار برنامج Cisco IOS Software لديك.

برنامج IOS الإصدار T.11.3.3 من Cisco من خلال T.12.0.5

```
aaa authentication login default tacacs+ local
aaa authentication ppp default if-needed tacacs+ local
+aaa authorization network default tacacs
```

برنامج IOS الإصدار 11.1 حتى T.11.3.3 من Cisco

```
+aaa authentication login default tacacs
+aaa authentication ppp default if-needed tacacs
+aaa authorization network tacacs
```

[تكوين الخادم - TACACS + مجاني](#)

```
} user = chaptr
chap = cleartext chaptr
} service = ppp protocol = ip
inacl=101
{
{
```

[تكوين الخادم - TACACS - Cisco Secure UNIX +](#)

```
rtp-berry# ./ViewProfile -p 9900 -u chaptr
User Profile Information
}user = chaptr
profile_id = 182
set server current-failed-logins = 1
profile_cycle = 2
} service=ppp
} protocol=lcp
{
} protocol=ip
set inacl=101
{
{
```

تكوين الخادم - مصدر المحتوى الإضافي الآمن من Cisco لنظام التشغيل Windows 2.x والإصدارات الأحدث - TACACS+

أكمل هذه الخطوات لتكوين ACS الآمن من Cisco ل Windows لتحديد قوائم التحكم في الوصول (ACLs) التي يجب تطبيقها.

1. انقر فوق إعداد المجموعة، ثم حدد المجموعة التي ينتمي إليها المستخدم، ثم انقر فوق تحرير الإعدادات.
2. طقطقت ال PPP ip، في التحكم قائمة و PPP LCP خانة إختيار في ال TACACS+ عملية إعداد قسم. حدد رقم قائمة التحكم في الوصول (ACL) المطلوب تطبيقه (في هذه الحالة 101) في المربع "في قائمة التحكم في الوصول".

3. تدقيق يمكن in order to مكن ال PPP IP و PPP LCP خيار.

CISCO SYSTEMS

Group Setup

Jump To: Access Restrictions

Downloadable ACLs

Assign IP ACL: -ACL DB EMPTY-

TACACS+ Settings

PPP IP

In access control list: 101

Out access control list

Route

Routing: Enabled

PPP LCP

Callback line

Callback rotary

No callback verify: Enabled

Shell (exec)

Access control list

Auto command

Submit Submit + Restart Cancel

```

koala#show debug
:General OS
TACACS access control debugging is on
AAA Authentication debugging is on
AAA Authorization debugging is on
koala#show ip access-lists
Extended IP access list 101
(permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255 log (2 matches
(permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255 log (11 matches
#koala
4d05h: As1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially
4d05h: %LINK-3-UPDOWN: Interface Async1, changed state to up
4d05h: AAA: parse name=Async1 idb type=10 tty=1
4d05h: AAA: name=Async1 flags=0x11 type=4 shelf=0 slot=0
adapter=0 port=1 channel=0
'4d05h: AAA/MEMORY: create_user (0x54F934) user='chaprtr
ruser='' port='Async1' rem_addr='async' authen_type=CHAP
service=PPP priv=1
''=4d05h: AAA/AUTHEN/START (1203050692): port='Async1' list
action=LOGIN service=PPP
4d05h: AAA/AUTHEN/START (1203050692): using "default" list
4d05h: AAA/AUTHEN (1203050692): status = UNKNOWN
(+4d05h: AAA/AUTHEN/START (1203050692): Method=tacacs+ (tacacs
4d05h: TAC+: send AUTHEN/START packet ver=193 id=1203050692
.4d05h: TAC+: Using default tacacs server-group "tacacs+" list
4d05h: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5
4d05h: TAC+: Opened TCP/IP handle 0x538778 to 172.18.124.111/49
4d05h: TAC+: 172.18.124.111 (1203050692) AUTHEN/START/LOGIN/CHAP queued
4d05h: TAC+: (1203050692) AUTHEN/START/LOGIN/CHAP processed
4d05h: TAC+: ver=192 id=1203050692 received AUTHEN status = GETPASS
4d05h: TAC+: Closing TCP/IP 0x538778 connection to 172.18.124.111/49
4d05h: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5
4d05h: TAC+: Opened TCP/IP handle 0x538BBC to 172.18.124.111/49
4d05h: TAC+: Opened 172.18.124.111 index=1
4d05h: AAA: parse name=Async1 idb type=-1 tty=-1
4d05h: AAA: name=Async1 flags=0x11 type=4 shelf=0 slot=0 adapter=0
port=1 channel=0
''=4d05h: AAA/MEMORY: create_user (0x19FCF8) user='chaprtr' ruser
port='Async1' rem_addr='async' authen_type=CHAP service=PPP priv=1
4d05h: TAC+: rev0 inbound chap for id=1203050692 using id=2966879003
4d05h: TAC+: 172.18.124.111 (2966879003) AUTHEN/START/SENDPASS/CHAP queued
4d05h: TAC+: (2966879003) AUTHEN/START/SENDPASS/CHAP processed
4d05h: TAC+: ver=192 id=2966879003 received AUTHEN status = PASS
4d05h: TAC+: rev0 inbound chap SENDPASS status=PASS for id=1203050692
4d05h: TAC+: rev0 inbound chap MD5 compare OK
''=4d05h: AAA/MEMORY: free_user (0x19FCF8) user='chaprtr' ruser
port='Async1' rem_addr='async' authen_type=CHAP service=PPP priv=1
4d05h: TAC+: Closing TCP/IP 0x538BBC connection to 172.18.124.111/49
4d05h: AAA/AUTHEN (1203050692): status = PASS
4d05h: As1 AAA/AUTHOR/LCP: Authorize LCP
4d05h: As1 AAA/AUTHOR/LCP (3002156107): Port='Async1' list='' service=NET
'4d05h: AAA/AUTHOR/LCP: As1 (3002156107) user='chaprtr
4d05h: As1 AAA/AUTHOR/LCP (3002156107): send AV service=ppp
4d05h: As1 AAA/AUTHOR/LCP (3002156107): send AV protocol=lcp
"4d05h: As1 AAA/AUTHOR/LCP (3002156107): found list "default
(+4d05h: As1 AAA/AUTHOR/LCP (3002156107): Method=tacacs+ (tacacs
4d05h: AAA/AUTHOR/TAC+: (3002156107): user=chaprtr
4d05h: AAA/AUTHOR/TAC+: (3002156107): send AV service=ppp
4d05h: AAA/AUTHOR/TAC+: (3002156107): send AV protocol=lcp
+4d05h: TAC+: using previously set server 172.18.124.111 from group tacacs
4d05h: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5
4d05h: TAC+: Opened TCP/IP handle 0x539000 to 172.18.124.111/49

```

```

4d05h: TAC+: Opened 172.18.124.111 index=1
4d05h: TAC+: 172.18.124.111 (3002156107) AUTHOR/START queued
4d05h: TAC+: (3002156107) AUTHOR/START processed
4d05h: TAC+: (3002156107): received author response status = PASS_ADD
4d05h: TAC+: Closing TCP/IP 0x539000 connection to 172.18.124.111/49
4d05h: As1 AAA/AUTHOR (3002156107): Post authorization status = PASS_ADD
4d05h: As1 AAA/AUTHOR/FSM (1577158668): Port='Async1' list='' service=NET
4d05h: As1 AAA/AUTHOR/FSM (1577158668): Method=tacacs+ (tacacs
'4d05h: AAA/AUTHOR/FSM: As1 (1577158668) user='chaprtr
4d05h: As1 AAA/AUTHOR/FSM (1577158668): send AV service=ppp
4d05h: As1 AAA/AUTHOR/FSM (1577158668): send AV protocol=ip
"4d05h: As1 AAA/AUTHOR/FSM (1577158668): found list "default
(+4d05h: As1 AAA/AUTHOR/FSM (1577158668): Method=tacacs+ (tacacs
4d05h: AAA/AUTHOR/TAC+: (1577158668): user=chaprtr
4d05h: AAA/AUTHOR/TAC+: (1577158668): send AV service=ppp
4d05h: AAA/AUTHOR/TAC+: (1577158668): send AV protocol=ip
+4d05h: TAC+: using previously set server 172.18.124.111 from group tacacs
4d05h: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5
4d05h: TAC+: Opened TCP/IP handle 0x539444 to 172.18.124.111/49
4d05h: TAC+: Opened 172.18.124.111 index=1
4d05h: TAC+: 172.18.124.111 (1577158668) AUTHOR/START queued
4d05h: TAC+: (1577158668) AUTHOR/START processed
4d05h: TAC+: (1577158668): received author response status = PASS_ADD
4d05h: TAC+: Closing TCP/IP 0x539444 connection to 172.18.124.111/49
4d05h: As1 AAA/AUTHOR (1577158668): Post authorization status = PASS_ADD
4d05h: As1 AAA/AUTHOR/FSM: We can start IPCP
,4d05h: %LINEPROTO-5-UPDOWN: Line protocol on Interface Async1
changed state to up
4d05h: As1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 0.0.0.0
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV inacl=101
4d05h: As1 AAA/AUTHOR/IPCP: Authorization succeeded
4d05h: As1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 0.0.0.0
4d05h: As1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0, we want 1.1.1.2
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip
Apply ACL 101 in the inbound direction. 4d05h: As1 AAA/AUTHOR/IPCP: Processing AV ---!
inacl=101
4d05h: As1 AAA/AUTHOR/IPCP: Authorization succeeded
4d05h: As1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0, we want 1.1.1.2
4d05h: As1 AAA/AUTHOR/IPCP: Start. Her address 1.1.1.2, we want 1.1.1.2
'=4d05h: As1 AAA/AUTHOR/IPCP (1659098608): Port='Async1' list
service=NET
'4d05h: AAA/AUTHOR/IPCP: As1 (1659098608) user='chaprtr
4d05h: As1 AAA/AUTHOR/IPCP (1659098608): send AV service=ppp
4d05h: As1 AAA/AUTHOR/IPCP (1659098608): send AV protocol=ip
4d05h: As1 AAA/AUTHOR/IPCP (1659098608): send AV addr*1.1.1.2
"4d05h: As1 AAA/AUTHOR/IPCP (1659098608): found list "default
(+4d05h: As1 AAA/AUTHOR/IPCP (1659098608): Method=tacacs+ (tacacs
4d05h: AAA/AUTHOR/TAC+: (1659098608): user=chaprtr
4d05h: AAA/AUTHOR/TAC+: (1659098608): send AV service=ppp
4d05h: AAA/AUTHOR/TAC+: (1659098608): send AV protocol=ip
4d05h: AAA/AUTHOR/TAC+: (1659098608): send AV addr*1.1.1.2
4d05h: TAC+: using previously set server 172.18.124.111 from
+group tacacs
4d05h: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5
4d05h: TAC+: Opened TCP/IP handle 0x538BBC to 172.18.124.111/49
4d05h: TAC+: Opened 172.18.124.111 index=1
4d05h: TAC+: 172.18.124.111 (1659098608) AUTHOR/START queued
4d05h: TAC+: (1659098608) AUTHOR/START processed
4d05h: TAC+: (1659098608): received author response status = PASS_REPL
4d05h: TAC+: Closing TCP/IP 0x538BBC connection to 172.18.124.111/49
4d05h: As1 AAA/AUTHOR (1659098608): Post authorization status = PASS_REPL

```



```

4d05h: As1 AAA/AUTHOR/IPCP: Reject 1.1.1.2, using 1.1.1.2
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV inacl=101
4d05h: As1 AAA/AUTHOR/IPCP: Processing AV addr*1.1.1.2
4d05h: As1 AAA/AUTHOR/IPCP: Authorization succeeded
4d05h: As1 AAA/AUTHOR/IPCP: Done. Her address 1.1.1.2, we want 1.1.1.2
<- 4d05h: %SEC-6-IPACCESSLOGDP: list 101 permitted icmp 1.1.1.2
      packets 3 ,(0/0) 9.9.9.9
      koala#show ip access-lists
      Extended IP access list 101
      (permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255 log (5 matches
      (permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255 log (11 matches
      #koala

```

تحديد قوائم الوصول على الخادم

ملاحظة: لا يجب تمرير عبارات المسار من الخادم إلى الموجه. يقوم مستخدم الطلب عادة بسحب المسارات من الموجه. يعتمد وجود عبارات المسار على الموجه على ما إذا تم تمرير المسارات إلى أسفل من الخادم أو التقاطها من الموجه:

```

ip route 9.9.9.0 255.255.255.0 11.11.11.12
ip route 15.15.15.0 255.255.255.0 12.12.12.13

```

في نموذج التكوين هذا، يكون تمرير المسارات لأسفل من الخادم بهدف التوضيح فقط.

تكوين الموجه
<pre> :Current configuration ! version 12.0 service timestamps debug uptime service timestamps log uptime no service password-encryption ! hostname koala ! aaa new-model ! <i>These three lines of the configuration !--- are ---! specific to Cisco IOS Software Release 12.0.5.T and later. !--- See the Commands for Other IOS Releases section for !--- commands for other Cisco IOS Software releases. !</i> aaa authentication login default group tacacs+ none +aaa authentication ppp default if-needed group tacacs +aaa authorization network default group tacacs enable secret 5 \$1\$mnZQ\$g6XdsgVnnYjEa.17v.Pijl enable password ww ! username john password 0 doe ! ip subnet-zero ! cns event-service server ! interface Ethernet0 ip address 10.31.1.5 255.255.255.0 no ip directed-broadcast no mop enabled ! </pre>

```

        interface Serial0
ip address 11.11.11.11 255.255.255.0
        no ip directed-broadcast
        no ip mroute-cache
        no fair-queue
        !
        interface Serial1
ip address 12.12.12.12 255.255.255.0
        no ip directed-broadcast
        !
        interface Async1
ip unnumbered Ethernet0
        no ip directed-broadcast
        encapsulation ppp
        no ip route-cache
        no ip mroute-cache
        async mode dedicated
peer default ip address pool mypool
        fair-queue 64 16 0
        no cdp enable
        ppp authentication chap
        !
ip local pool mypool 1.1.1.1 1.1.1.5
        ip classless
        ip route 0.0.0.0 0.0.0.0 10.31.1.1
ip route 172.17.192.0 255.255.255.0 10.31.1.1
ip route 172.18.124.0 255.255.255.0 10.31.1.1
ip route 172.18.125.0 255.255.255.0 10.31.1.1
        no ip http server
        !
        dialer-list 1 protocol ip permit
dialer-list 1 protocol ipx permit
        !
tacacs-server host 172.18.124.111
        tacacs-server key cisco
        !
        line con 0
        transport input none
        line 1
autoselect during-login
        autoselect ppp
        modem InOut
        transport input all
        stopbits 1
        speed 115200
        flowcontrol hardware
        line 2 16
        line aux 0
        line vty 0 4
        password ww
        !
end

```

[أوامر لإصدارات Cisco IOS الأخرى](#)

ملاحظة: لاستخدام هذه الأوامر، قم بإزالة الأوامر بخط غامق من تكوين [الموجه](#) والصق هذه الأوامر في، كما هو موضح بواسطة إصدار برنامج Cisco IOS software لديك.

برنامج IOS الإصدار T.11.3.3 من Cisco من خلال T.12.0.5

```
aaa authentication login default tacacs+ local
aaa authentication ppp default if-needed tacacs+ local
+aaa authorization network default tacacs
```

برنامج IOS الإصدار 11.3 حتى T.11.3.3 من Cisco

```
+aaa authentication login default tacacs
+aaa authentication ppp default if-needed tacacs
+aaa authorization network tacacs
```

تكوين الخادم - TACACS + مجاني

```
        } user = chaprtr
        chap = cleartext chaprtr
        } service = ppp protocol = ip
"route#1 = "9.9.9.9 255.255.255.255 11.11.11.12
"route#2 = "15.15.15.15 255.255.255.255 12.12.12.13
"route#3 = "15.15.15.16 255.255.255.255 12.12.12.13
"inacl#1 = "permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255
"inacl#2 = "permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255
        {
        {
```

تكوين الخادم - TACACS - Cisco Secure UNIX +

```
rtp-berry# ./ViewProfile -p 9900 -u chaprtr
User Profile Information
        }user = chaprtr
        profile_id = 183
set server current-failed-logins = 1
        profile_cycle = 4
        } service=ppp
        } protocol=lcp
        {
        } protocol=ip
"set route#1="9.9.9.9 255.255.255.255 11.11.11.12
"set route#2="15.15.15.15 255.255.255.255 12.12.12.13
"set route#3="15.15.15.16 255.255.255.255 12.12.12.13
"set inacl#1="permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255
"set inacl#2="permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255
        {
        {

"password = chap "chaprtr
        {
```

تكوين الخادم - TACACS - Cisco Secure Windows 2.x +

أتمت هذا steps in order to شكلت Cisco Secure ل Windows أن يمر ACLs إلى NAS.

1. انقر فوق تكوين الواجهة وحدد Cisco TACACS+.
2. حدد عرض نافذة لكل خدمة محددة يمكنك فيها إدخال سمات TACACS+ مخصصة في قسم "خيارات التكوين المتقدمة" وانقر فوق إرسال.

CISCO SYSTEMS

Interface Configuration

PPP Apple Talk
 PPP VPDN
 PPP LCP
 ARAP
 Shell (exec)
 PIX Shell (pixshell)
 SLIP

New Services

		Service	Protocol
<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>

Advanced Configuration Options ?

Advanced TACACS+ Features
 Display a Time-of-Day access grid for every TACACS+ service where you can override the default Time-of-Day settings
 Display a window for each service selected in which you can enter customized TACACS+ attributes
 Display enable default (Undefined) service configuration

3. انقر فوق إعداد المجموعة، ثم حدد المجموعة التي ينتمي إليها المستخدم، ثم انقر فوق تحرير الإعدادات.
 4. انتقل إلى قسم PPP IP وانقر فوق PPP IP وسمات مخصصة وتمكين خانة الاختيار من إعدادات TACACS+.

```

route#1=9.9.9.9 255.255.255.255 11.11.11.12
route#2=15.15.15.15 255.255.255.255 12.12.12.13
route#3=15.15.15.16 255.255.255.255 12.12.12.13
inacl#1=permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255
inacl#2=permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255
  
```

[تصحيح أخطاء الموجه العينة](#)

تم استخدام ملف تعريف المستخدم هذا لإنشاء إخراج تصحيح الأخطاء هذا.

```

chaprtr
}
login = cleartext cisco
chap = cleartext
chaprtr service = ppp
protocol = ip
}
"route#1 = "9.9.9.9 255.255.255.255 11.11.11.12
"route#2 = "15.15.15.15 255.255.255.255 12.12.12.13
"route#3 = "15.15.15.16 255.255.255.255 12.12.12.13
"inacl#1 = "permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255
"inacl#2 = "permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255
{
{

```

```
#koala
Mar 1 01:22:39.963: As1 LCP: I CONFREQ [Closed] id 0 len 23*
(Mar 1 01:22:39.967: As1 LCP: ACCM 0x00000000 (0x020600000000*
(Mar 1 01:22:39.971: As1 LCP: MagicNumber 0x000034BD (0x0506000034BD*
(Mar 1 01:22:39.971: As1 LCP: PFC (0x0702*
(Mar 1 01:22:39.975: As1 LCP: ACFC (0x0802*
(Mar 1 01:22:39.975: As1 LCP: Callback 6 (0x0D0306*
Mar 1 01:22:39.979: As1 LCP: Lower layer not up, Fast Starting*
Mar 1 01:22:39.983: As1 PPP: Treating connection as a dedicated line*
[Mar 1 01:22:39.983: As1 PPP: Phase is ESTABLISHING, Active Open [0 sess, 0 load*
Mar 1 01:22:39.987: As1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially*
Mar 1 01:22:39.991: As1 LCP: O CONFREQ [Closed] id 30 len 25*
(Mar 1 01:22:39.995: As1 LCP: ACCM 0x000A0000 (0x0206000A0000*
(Mar 1 01:22:39.999: As1 LCP: AuthProto CHAP (0x0305C22305*
(Mar 1 01:22:40.003: As1 LCP: MagicNumber 0xE069F1B8 (0x0506E069F1B8*
(Mar 1 01:22:40.003: As1 LCP: PFC (0x0702*
(Mar 1 01:22:40.007: As1 LCP: ACFC (0x0802*
Mar 1 01:22:40.011: As1 LCP: O CONFREQ [REQsent] id 0 len 7*
(Mar 1 01:22:40.011: As1 LCP: Callback 6 (0x0D0306*
LINK-3-UPDOWN: Interface Async1, changed state to up% :01:22:40
Mar 1 01:22:40.139: As1 LCP: I CONFACK [REQsent] id 30 len 25*
(Mar 1 01:22:40.143: As1 LCP: ACCM 0x000A0000 (0x0206000A0000*
(Mar 1 01:22:40.143: As1 LCP: AuthProto CHAP (0x0305C22305*
(Mar 1 01:22:40.147: As1 LCP: MagicNumber 0xE069F1B8 (0x0506E069F1B8*
(Mar 1 01:22:40.151: As1 LCP: PFC (0x0702*
(Mar 1 01:22:40.151: As1 LCP: ACFC (0x0802*
Mar 1 01:22:40.155: As1 LCP: I CONFREQ [ACKrcvd] id 1 len 20*
(Mar 1 01:22:40.159: As1 LCP: ACCM 0x00000000 (0x020600000000*
(Mar 1 01:22:40.163: As1 LCP: MagicNumber 0x000034BD (0x0506000034BD*
(Mar 1 01:22:40.163: As1 LCP: PFC (0x0702*
(Mar 1 01:22:40.167: As1 LCP: ACFC (0x0802*
Mar 1 01:22:40.171: As1 LCP: O CONFACK [ACKrcvd] id 1 len 20*
(Mar 1 01:22:40.171: As1 LCP: ACCM 0x00000000 (0x020600000000*
(Mar 1 01:22:40.175: As1 LCP: MagicNumber 0x000034BD (0x0506000034BD*
(Mar 1 01:22:40.179: As1 LCP: PFC (0x0702*
(Mar 1 01:22:40.179: As1 LCP: ACFC (0x0802*
Mar 1 01:22:40.183: As1 LCP: State is Open*
Mar 1 01:22:40.183: As1 PPP: Phase is AUTHENTICATING, by this end*
[sess, 1 load 0]
"Mar 1 01:22:40.187: As1 CHAP: O CHALLENGE id 10 len 26 from "koala*
Mar 1 01:22:40.295: As1 LCP: I IDENTIFY [Open] id 2 len 18 magic*
0x000034BD MSRASV4.00
Mar 1 01:22:40.307: As1 LCP: I IDENTIFY [Open] id 3 len 21 magic*
0x000034BD MSRAS-1-ZEKIE
"Mar 1 01:22:40.315: As1 CHAP: I RESPONSE id 10 len 28 from "chaptr*
Mar 1 01:22:40.323: AAA: parse name=Async1 idb type=10 tty=1*
Mar 1 01:22:40.323: AAA: name=Async1 flags=0x11 type=4 shelf=0 slot=0*
adapter=0 port=1 channel=0
'Mar 1 01:22:40.327: AAA/MEMORY: create_user (0x4ED58C) user='chaptr*
ruser='' port='Async1' rem_addr='async' authn_type=CHAP service=PPP
priv=1
'Mar 1 01:22:40.331: AAA/AUTHEN/START (2439833946): port='Async1*
list='' action=LOGIN service=PPP
Mar 1 01:22:40.335: AAA/AUTHEN/START (2439833946): using "default" list*
Mar 1 01:22:40.339: AAA/AUTHEN (2439833946): status = UNKNOWN*
(+Mar 1 01:22:40.339: AAA/AUTHEN/START (2439833946): Method=tacacs+ (tacacs*
Mar 1 01:22:40.343: TAC+: send AUTHEN/START packet ver=193 id=2439833946*
.Mar 1 01:22:40.347: TAC+: Using default tacacs server-group "tacacs+" list*
Mar 1 01:22:40.347: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5*
Mar 1 01:22:40.359: TAC+: Opened TCP/IP handle 0x4EDDF8 to 172.18.124.111/49*
(Mar 1 01:22:40.367: TAC+: 172.18.124.111 (2439833946*
AUTHEN/START/LOGIN/CHAP queued
Mar 1 01:22:40.667: TAC+: (2439833946) AUTHEN/START/LOGIN/CHAP processed*
Mar 1 01:22:40.671: TAC+: ver=192 id=2439833946 received AUTHEN*
```

```
status = GETPASS
Mar 1 01:22:40.675: TAC+: Closing TCP/IP 0x4EDDF8 connection to*
172.18.124.111/49
Mar 1 01:22:40.679: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5*
Mar 1 01:22:40.695: TAC+: Opened TCP/IP handle 0x4EE23C to 172.18.124.111/49*
Mar 1 01:22:40.695: TAC+: Opened 172.18.124.111 index=1*
Mar 1 01:22:40.699: AAA: parse name=Async1 idb type=-1 tty=-1*
Mar 1 01:22:40.703: AAA: name=Async1 flags=0x11 type=4 shelf=0 slot=0*
adapter=0 port=1 channel=0
'Mar 1 01:22:40.707: AAA/MEMORY: create_user (0x4EC300) user='chaptr*
ruser='' port='Async1' rem_addr='async' authen_type=CHAP service=PPP priv=1
Mar 1 01:22:40.711: TAC+: rev0 inbound chap for id=2439833946 using*
id=1730351499
(Mar 1 01:22:40.715: TAC+: 172.18.124.111 (1730351499*
AUTHEN/START/SENDPASS/CHAP queued
Mar 1 01:22:40.915: TAC+: (1730351499) AUTHEN/START/SENDPASS/CHAP processed*
Mar 1 01:22:40.919: TAC+: ver=192 id=1730351499 received AUTHEN*
status = PASS
Mar 1 01:22:40.923: TAC+: rev0 inbound chap SENDPASS status=PASS*
for id=2439833946
Mar 1 01:22:40.927: TAC+: rev0 inbound chap MD5 compare OK*
'Mar 1 01:22:40.927: AAA/MEMORY: free_user (0x4EC300) user='chaptr*
ruser='' port='Async1' rem_addr='async' authen_type=CHAP service=PPP
priv=1
Mar 1 01:22:40.935: TAC+: Closing TCP/IP 0x4EE23C connection to*
172.18.124.111/49
Mar 1 01:22:40.939: AAA/AUTHEN (2439833946): status = PASS*
Mar 1 01:22:40.943: As1 AAA/AUTHOR/LCP: Authorize LCP*
'Mar 1 01:22:40.947: As1 AAA/AUTHOR/LCP (4250537500): Port='Async1*
list='' service=NET
'Mar 1 01:22:40.947: AAA/AUTHOR/LCP: As1 (4250537500) user='chaptr*
Mar 1 01:22:40.951: As1 AAA/AUTHOR/LCP (4250537500): send AV service=ppp*
Mar 1 01:22:40.955: As1 AAA/AUTHOR/LCP (4250537500): send AV protocol=lcp*
"Mar 1 01:22:40.955: As1 AAA/AUTHOR/LCP (4250537500): found list "default*
:(Mar 1 01:22:40.959: As1 AAA/AUTHOR/LCP (4250537500*
(+Method=tacacs+ (tacacs
Mar 1 01:22:40.963: AAA/AUTHOR/TAC+: (4250537500): user=chaptr*
Mar 1 01:22:40.963: AAA/AUTHOR/TAC+: (4250537500): send AV service=ppp*
Mar 1 01:22:40.967: AAA/AUTHOR/TAC+: (4250537500): send AV protocol=lcp*
Mar 1 01:22:40.971: TAC+: using previously set server 172.18.124.111*
+from group tacacs
Mar 1 01:22:40.971: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5*
Mar 1 01:22:40.987: TAC+: Opened TCP/IP handle 0x4EE680 to 172.18.124.111/49*
Mar 1 01:22:40.991: TAC+: Opened 172.18.124.111 index=1*
Mar 1 01:22:40.999: TAC+: 172.18.124.111 (4250537500) AUTHOR/START queued*
Mar 1 01:22:41.195: TAC+: (4250537500) AUTHOR/START processed*
Mar 1 01:22:41.199: TAC+: (4250537500): received author response*
status = PASS_ADD
Mar 1 01:22:41.203: TAC+: Closing TCP/IP 0x4EE680 connection to*
172.18.124.111/49
Mar 1 01:22:41.207: As1 AAA/AUTHOR (4250537500): Post authorization*
status = PASS_ADD
Mar 1 01:22:41.215: As1 CHAP: 0 SUCCESS id 10 len 4*
[Mar 1 01:22:41.219: As1 PPP: Phase is UP [0 sess, 0 load*
?Mar 1 01:22:41.223: As1 AAA/AUTHOR/FSM: (0): Can we start IPCP*
'Mar 1 01:22:41.223: As1 AAA/AUTHOR/FSM (2403262371): Port='Async1*
list='' service=NET
'Mar 1 01:22:41.227: AAA/AUTHOR/FSM: As1 (2403262371) user='chaptr*
Mar 1 01:22:41.231: As1 AAA/AUTHOR/FSM (2403262371): send AV service=ppp*
Mar 1 01:22:41.231: As1 AAA/AUTHOR/FSM (2403262371): send AV protocol=ip*
"Mar 1 01:22:41.235: As1 AAA/AUTHOR/FSM (2403262371): found list "default*
:(Mar 1 01:22:41.239: As1 AAA/AUTHOR/FSM (2403262371*
(+Method=tacacs+ (tacacs
Mar 1 01:22:41.239: AAA/AUTHOR/TAC+: (2403262371): user=chaptr*
```

```
Mar 1 01:22:41.243: AAA/AUTHOR/TAC+: (2403262371): send AV service=ppp*
Mar 1 01:22:41.243: AAA/AUTHOR/TAC+: (2403262371): send AV protocol=ip*
Mar 1 01:22:41.247: TAC+: using previously set server 172.18.124.111*
                        +from group tacacs
Mar 1 01:22:41.251: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5*
Mar 1 01:22:41.263: TAC+: Opened TCP/IP handle 0x4EEAC4 to*
                        172.18.124.111/49
Mar 1 01:22:41.267: TAC+: Opened 172.18.124.111 index=1*
Mar 1 01:22:41.275: TAC+: 172.18.124.111 (2403262371) AUTHOR/START queued*
Mar 1 01:22:41.323: As1 CCP: I CONFREQ [Not negotiated] id 4 len 12*
                        (Mar 1 01:22:41.327: As1 CCP: OUI (0x0002*
Mar 1 01:22:41.327: As1 CCP: MS-PPC supported bits 0x00007080*
                        (0x120600007080)
Mar 1 01:22:41.335: As1 LCP: O PROTREJ [Open] id 31 len 18 protocol CCP*
                        (0x80FD0104000C0002120600007080)
Mar 1 01:22:41.339: As1 IPCP: I CONFREQ [Closed] id 5 len 40*
Mar 1 01:22:41.343: As1 IPCP: CompressType VJ 15 slots CompressSlotID*
                        (0x0206002D0F01)
                        (Mar 1 01:22:41.347: As1 IPCP: Address 0.0.0.0 (0x030600000000*
Mar 1 01:22:41.351: As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000*
Mar 1 01:22:41.355: As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000*
Mar 1 01:22:41.359: As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000*
Mar 1 01:22:41.363: As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000*
Mar 1 01:22:41.607: TAC+: (2403262371) AUTHOR/START processed*
Mar 1 01:22:41.623: TAC+: (2403262371): received author response*
                        status = PASS_ADD
Mar 1 01:22:41.627: TAC+: Closing TCP/IP 0x4EEAC4 connection to*
                        172.18.124.111/49
Mar 1 01:22:41.635: As1 AAA/AUTHOR (2403262371): Post authorization*
                        status = PASS_ADD
Mar 1 01:22:41.647: As1 AAA/AUTHOR/FSM: We can start IPCP*
Mar 1 01:22:41.651: As1 IPCP: O CONFREQ [Closed] id 7 len 10*
Mar 1 01:22:41.655: As1 IPCP: Address 10.31.1.5 (0x03060A1F0105*
?Mar 1 01:22:41.659: As1 AAA/AUTHOR/FSM: (0): Can we start CDPCP*
'Mar 1 01:22:41.663: As1 AAA/AUTHOR/FSM (840307497): Port='Async1*
                        list='' service=NET
'Mar 1 01:22:41.667: AAA/AUTHOR/FSM: As1 (840307497) user='chaptr*
Mar 1 01:22:41.671: As1 AAA/AUTHOR/FSM (840307497): send AV service=ppp*
Mar 1 01:22:41.671: As1 AAA/AUTHOR/FSM (840307497): send AV protocol=cdp*
"Mar 1 01:22:41.675: As1 AAA/AUTHOR/FSM (840307497): found list "default*
+Mar 1 01:22:41.675: As1 AAA/AUTHOR/FSM (840307497): Method=tacacs*
                        (+tacacs)
Mar 1 01:22:41.679: AAA/AUTHOR/TAC+: (840307497): user=chaptr*
Mar 1 01:22:41.683: AAA/AUTHOR/TAC+: (840307497): send AV service=ppp*
Mar 1 01:22:41.683: AAA/AUTHOR/TAC+: (840307497): send AV protocol=cdp*
Mar 1 01:22:41.687: TAC+: using previously set server 172.18.124.111*
                        +from group tacacs
Mar 1 01:22:41.691: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5*
Mar 1 01:22:41.703: TAC+: Opened TCP/IP handle 0x4EE23C to*
                        172.18.124.111/49
Mar 1 01:22:41.707: TAC+: Opened 172.18.124.111 index=1*
Mar 1 01:22:41.715: TAC+: 172.18.124.111 (840307497) AUTHOR/START queued*
Mar 1 01:22:41.759: As1 IPCP: I CONFACK [REQsent] id 7 len 10*
Mar 1 01:22:41.763: As1 IPCP: Address 10.31.1.5 (0x03060A1F0105*
Mar 1 01:22:41.915: TAC+: (840307497) AUTHOR/START processed*
Mar 1 01:22:41.923: TAC+: (840307497): received author response*
                        status = FAIL
Mar 1 01:22:41.927: TAC+: Closing TCP/IP 0x4EE23C connection to*
                        172.18.124.111/49
Mar 1 01:22:41.931: As1 AAA/AUTHOR (840307497): Post authorization*
                        status = FAIL
Mar 1 01:22:41.935: As1 AAA/AUTHOR/FSM: We cannot start CDPCP*
Mar 1 01:22:41.935: As1 CDPCP: State is Closed*
,LINEPROTO-5-UPDOWN: Line protocol on Interface Async1% :01:22:42
```


changed state to up
,Mar 1 01:22:42.359: As1 PPP: Outbound cdp packet dropped*
[CDPCP is Closed [starting negotiations
Mar 1 01:22:42.359: As1 CDPCP: State is Closed*
,Mar 1 01:22:42.499: As1 PPP: Outbound cdp packet dropped*
[CDPCP is Closed [starting negotiations
Mar 1 01:22:42.503: As1 CDPCP: State is Closed*
,Mar 1 01:22:42.639: As1 PPP: Outbound cdp packet dropped*
[CDPCP is Closed [starting negotiations
Mar 1 01:22:42.643: As1 CDPCP: State is Closed*
,Mar 1 01:22:42.795: As1 PPP: Outbound cdp packet dropped*
[CDPCP is Closed [starting negotiations
Mar 1 01:22:42.799: As1 CDPCP: State is Closed*
Mar 1 01:22:43.147: As1 CDPCP: TIMEOUT: State Closed*
Mar 1 01:22:43.151: As1 CDPCP: State is Listen*
Mar 1 01:22:43.155: As1 IPCP: I CONFREQ [ACKrcvd] id 5 len 40*
Mar 1 01:22:43.159: As1 IPCP: CompressType VJ 15 slots*
(CompressSlotID (0x0206002D0F01
(Mar 1 01:22:43.163: As1 IPCP: Address 0.0.0.0 (0x030600000000*
(Mar 1 01:22:43.167: As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000*
(Mar 1 01:22:43.171: As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000*
(Mar 1 01:22:43.171: As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000*
(Mar 1 01:22:43.175: As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000*
,Mar 1 01:22:43.179: As1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0
we want 0.0.0.0
Mar 1 01:22:43.183: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp*
Mar 1 01:22:43.187: As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip*

*The NAS received the route statements and ACLs !--- from the ACS device. *Mar 1 ---!*
=01:22:43.187: As1 AAA/AUTHOR/IPCP: Processing AV route#1
11.11.11.12 255.255.255.255 9.9.9.9
=Mar 1 01:22:43.191: As1 AAA/AUTHOR/IPCP: Processing AV route#2*
12.12.12.13 255.255.255.255 15.15.15.15
=Mar 1 01:22:43.195: As1 AAA/AUTHOR/IPCP: Processing AV route#3*
12.12.12.13 255.255.255.255 15.15.15.16
=Mar 1 01:22:43.199: As1 AAA/AUTHOR/IPCP: Processing AV inacl#1*
permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255
=Mar 1 01:22:43.199: As1 AAA/AUTHOR/IPCP: Processing AV inacl#2*
permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255
Mar 1 01:22:43.203: As1 AAA/AUTHOR/IPCP: Authorization succeeded*
,Mar 1 01:22:43.207: As1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0
we want 0.0.0.0
Mar 1 01:22:43.211: As1 IPCP: Pool returned 1.1.1.1*
Mar 1 01:22:43.215: As1 IPCP: O CONFREQ [ACKrcvd] id 5 len 28*
Mar 1 01:22:43.219: As1 IPCP: CompressType VJ 15 slots*
(CompressSlotID (0x0206002D0F01
(Mar 1 01:22:43.223: As1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000*
(Mar 1 01:22:43.227: As1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000*
(Mar 1 01:22:43.231: As1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000*
Mar 1 01:22:43.339: As1 IPCP: I CONFREQ [ACKrcvd] id 6 len 16*
(Mar 1 01:22:43.343: As1 IPCP: Address 0.0.0.0 (0x030600000000*
(Mar 1 01:22:43.347: As1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000*
,Mar 1 01:22:43.351: As1 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0
we want 1.1.1.1
Mar 1 01:22:43.355: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp*
Mar 1 01:22:43.355: As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip*

*The NAS applies the route statements and ACLs. *Mar 1 01:22:43.359: As1 AAA/AUTHOR/IPCP: ---!*
=Processing AV route#1
11.11.11.12 255.255.255.255 9.9.9.9
=Mar 1 01:22:43.363: As1 AAA/AUTHOR/IPCP: Processing AV route#2*
12.12.12.13 255.255.255.255 15.15.15.15
=Mar 1 01:22:43.363: As1 AAA/AUTHOR/IPCP: Processing AV route#3*
12.12.12.13 255.255.255.255 15.15.15.16
=Mar 1 01:22:43.367: As1 AAA/AUTHOR/IPCP: Processing AV inacl#1*
permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255

```
=Mar 1 01:22:43.371: As1 AAA/AUTHOR/IPCP: Processing AV inacl#2*
      permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255
Mar 1 01:22:43.375: As1 AAA/AUTHOR/IPCP: Authorization succeeded*
,Mar 1 01:22:43.375: As1 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0*
      we want 1.1.1.1
Mar 1 01:22:43.383: As1 IPCP: O CONFNAK [ACKrcvd] id 6 len 16*
(Mar 1 01:22:43.387: As1 IPCP: Address 1.1.1.1 (0x030601010101*
(Mar 1 01:22:43.391: As1 IPCP: PrimaryDNS 172.18.125.3 (0x8106AC127D03*
Mar 1 01:22:43.499: As1 IPCP: I CONFREQ [ACKrcvd] id 7 len 16*
(Mar 1 01:22:43.503: As1 IPCP: Address 1.1.1.1 (0x030601010101*
(Mar 1 01:22:43.507: As1 IPCP: PrimaryDNS 172.18.125.3 (0x8106AC127D03*
,Mar 1 01:22:43.511: As1 AAA/AUTHOR/IPCP: Start. Her address 1.1.1.1*
      we want 1.1.1.1
'Mar 1 01:22:43.519: As1 AAA/AUTHOR/IPCP (2646570182): Port='Async1*
      list='' service=NET
'Mar 1 01:22:43.519: AAA/AUTHOR/IPCP: As1 (2646570182) user='chaptr*
Mar 1 01:22:43.523: As1 AAA/AUTHOR/IPCP (2646570182): send AV service=ppp*
Mar 1 01:22:43.523: As1 AAA/AUTHOR/IPCP (2646570182): send AV protocol=ip*
Mar 1 01:22:43.527: As1 AAA/AUTHOR/IPCP (2646570182): send AV addr*1.1.1.1*
"Mar 1 01:22:43.531: As1 AAA/AUTHOR/IPCP (2646570182): found list "default*
(+Mar 1 01:22:43.535: As1 AAA/AUTHOR/IPCP (2646570182): Method=tacacs+ (tacacs*
      Mar 1 01:22:43.539: AAA/AUTHOR/TAC+: (2646570182): user=chaptr*
Mar 1 01:22:43.539: AAA/AUTHOR/TAC+: (2646570182): send AV service=ppp*
Mar 1 01:22:43.543: AAA/AUTHOR/TAC+: (2646570182): send AV protocol=ip*
Mar 1 01:22:43.543: AAA/AUTHOR/TAC+: (2646570182): send AV addr*1.1.1.1*
Mar 1 01:22:43.547: TAC+: using previously set server 172.18.124.111 from*
      +group tacacs
Mar 1 01:22:43.551: TAC+: Opening TCP/IP to 172.18.124.111/49 timeout=5*
Mar 1 01:22:43.563: TAC+: Opened TCP/IP handle 0x4EE23C to 172.18.124.111/49*
      Mar 1 01:22:43.567: TAC+: Opened 172.18.124.111 index=1*
Mar 1 01:22:43.575: TAC+: 172.18.124.111 (2646570182) AUTHOR/START queued*
      Mar 1 01:22:43.875: TAC+: (2646570182) AUTHOR/START processed*
Mar 1 01:22:43.887: TAC+: (2646570182): received author response*
      status = PASS_REPL
Mar 1 01:22:43.891: TAC+: Closing TCP/IP 0x4EE23C connection to*
      172.18.124.111/49
Mar 1 01:22:43.899: As1 AAA/AUTHOR (2646570182): Post authorization*
      status = PASS_REPL
Mar 1 01:22:43.911: As1 AAA/AUTHOR/IPCP: Reject 1.1.1.1, using 1.1.1.1*
Mar 1 01:22:43.915: As1 AAA/AUTHOR/IPCP: Processing AV service=ppp*
Mar 1 01:22:43.919: As1 AAA/AUTHOR/IPCP: Processing AV protocol=ip*
=Mar 1 01:22:43.923: As1 AAA/AUTHOR/IPCP: Processing AV route#1*
      11.11.11.12 255.255.255.255 9.9.9.9
=Mar 1 01:22:43.923: As1 AAA/AUTHOR/IPCP: Processing AV route#2*
      12.12.12.13 255.255.255.255 15.15.15.15
=Mar 1 01:22:43.927: As1 AAA/AUTHOR/IPCP: Processing AV route#3*
      12.12.12.13 255.255.255.255 15.15.15.16
=Mar 1 01:22:43.931: As1 AAA/AUTHOR/IPCP: Processing AV inacl#1*
      permit icmp 1.1.1.0 0.0.0.255 9.9.9.0 0.0.0.255
=Mar 1 01:22:43.935: As1 AAA/AUTHOR/IPCP: Processing AV inacl#2*
      permit tcp 1.1.1.0 0.0.0.255 15.15.15.0 0.0.0.255
Mar 1 01:22:43.939: As1 AAA/AUTHOR/IPCP: Processing AV addr*1.1.1.1*
Mar 1 01:22:43.939: As1 AAA/AUTHOR/IPCP: Authorization succeeded*
,Mar 1 01:22:43.943: As1 AAA/AUTHOR/IPCP: Done. Her address 1.1.1.1*
      we want 1.1.1.1
Mar 1 01:22:43.947: As1 IPCP: O CONFACK [ACKrcvd] id 7 len 16*
(Mar 1 01:22:43.951: As1 IPCP: Address 1.1.1.1 (0x030601010101*
Mar 1 01:22:43.955: As1 IPCP: PrimaryDNS 172.18.125.3*
      (0x8106AC127D03)
Mar 1 01:22:43.959: As1 IPCP: State is Open*
Mar 1 01:22:44.483: As1 IPCP: Install route to 1.1.1.1*
      #koala
      #koala
```

التحقق من الصحة

لا يوجد حاليًا إجراء للتحقق من صحة هذا التكوين.

استكشاف الأخطاء وإصلاحها

يوفر هذا القسم معلومات يمكنك استخدامها لاستكشاف أخطاء التكوين وإصلاحها.

أوامر استكشاف الأخطاء وإصلاحها

تدعم أداة مترجم الإخراج (للعلماء المسجلين فقط) بعض أوامر show. استخدم أداة مترجم الإخراج (OIT) لعرض تحليل مُخرَج الأمر `show`.

ملاحظة: ارجع إلى معلومات مهمة حول أوامر التصحيح قبل استخدام أوامر `debug`.

- `debug aaa authentication`—يعرض معلومات حول مصادقة +AAA/TACACS.
 - `debug aaa authorization`—يعرض معلومات حول تفويض +AAA/TACACS.
 - `debug aaa` لكل مستخدم—يعرض معلومات حول إعدادات التكوين لكل مستخدم على الموجه أو خوادم الوصول التي يتم إرسالها من خادم AAA.
 - `+debug tacacs`—يعرض معلومات تصحيح الأخطاء التفصيلية المرتبطة ب +TACACS.
 - `debug ppp negotiation`—يعرض حزم PPP المرسلَة أثناء بدء تشغيل PPP، حيث يتم التفاوض حول خيارات PPP.
- ارجع إلى استكشاف أخطاء قوائم الوصول وإصلاحها على واجهات الطلب للحصول على معلومات استكشاف الأخطاء وإصلاحها.

معلومات ذات صلة

- خادم التحكم في الوصول الآمن من Cisco J UNIX
- خادم التحكم في الوصول الآمن من Cisco لأنظمة التشغيل Windows

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا اذ ه Cisco ت مچرت
م ل ا ل ا ا ن ا ع مچ ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل و
ا م ك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب
Cisco ي ل خ ت . ف ر ت ح م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة مچرت ل ا ع م ل ا ح ل ا و ه
ي ل ا م ا ة ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco
Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن ت س م ل ا