

# AAA-controle van de IOS HTTP-server

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## [Inleiding](#)

Dit document toont hoe u de toegang tot de Cisco IOS® HTTP server kunt controleren met Verificatie, autorisatie en accounting (AAA). De controle van de toegang tot de Cisco IOS HTTP server met AAA varieert op basis van de Cisco IOS-software-release.

## [Voorwaarden](#)

### [Vereisten](#)

Er zijn geen specifieke vereisten van toepassing op dit document.

### [Gebruikte componenten](#)

Dit document is niet beperkt tot specifieke software- en hardware-versies.

### [Conventies](#)

Raadpleeg [Cisco Technical Tips Conventions \(Conventies voor technische tips van Cisco\) voor meer informatie over documentconventies.](#)

## [Bepaal welke HTTP Server-versie u heeft](#)

Geef de exec opdracht uit **toon subsys naam http** om te zien welke versie van de HTTP server u heeft.

```
router1#show subsystem name http
```

```
Class          Version
http           Protocol  1.001.001
```

Dit is een systeem met de HTTP V1.1 server. Cisco IOS-software release 12.2(15)T en alle Cisco IOS-software releases hebben HTTP V1.1.

```
router2#show subsystem name http
```

```
Class          Version
http           Protocol  1.000.001
```

Dit is een systeem met de HTTP V1 server. Cisco IOS-software releases 12.2(15)T (inclusief Cisco IOS-software releases 12.2(15)JA en 12.2(15)XR) hebben HTTP V1.

## Cisco IOS-software met de HTTP V1-server

In releases van Cisco IOS-software die de HTTP V1-server bevat, gebruiken HTTP-sessies virtuele eindlijnen (vty's). Daarom worden HTTP-verificatie en -autorisatie gecontroleerd met dezelfde methoden die voor de vT's zijn ingesteld.

```
ip http server
!
aaa new-model
aaa authentication login VTYSandHTTP radius local
aaa authorization exec VTYSandHTTP radius local
!
ip http authentication aaa
!
line vty 0 19
!--- The number of vty's you have. login authentication VTYSandHTTP authorization exec
VTYSandHTTP
```

## Cisco IOS-software met de HTTP V1.1-server

In releases van Cisco IOS-software met de HTTP V1.1-server gebruiken de HTTP-sessies geen VTS. Ze gebruiken sokjes.

### HTTP V1.1-server - voor Cisco plug-in CSCeb82510

Vóór de integratie van Cisco bug ID [CSCeb82510](#) (alleen [geregistreerde](#) klanten) in Cisco IOS-software releases 12.3(7.3) en 12.3(7.3)T moet de HTTP V1.1-server dezelfde verificatie- en autorisatiemethode gebruiken die voor de console is ingesteld.

```
ip http server
!
aaa new-model
aaa authentication login CONSOLEandHTTP radius local
aaa authorization exec CONSOLEandHTTP radius local
!
ip http authentication aaa
```

```
!  
line con 0  
 login authentication CONSOLEandHTTP  
 authorization exec CONSOLEandHTTP
```

## [HTTP V1.1-server - Na Cisco plug-in CSCeb82510](#)

Met de integratie van Cisco bug ID [CSCeb82510](#) ([alleen geregistreerde](#) klanten) in Cisco IOS-software releases 12.3(7.3) en 12.3(7.3)T kan de HTTP-server onafhankelijke verificatie- en autorisatiemethoden op eigen kracht gebruiken, met nieuwe zoekwoorden in de `ip http authentication`. De nieuwe sleutelwoorden zijn:

```
router(config)#ip http authentication aaa command-authorization listname  
router(config)#ip http authentication aaa exec-authorization listname  
router(config)#ip http authentication aaa login-authentication listname
```

Dit is een voorbeeld-uitvoer:

```
ip http server  
!  
aaa new-model  
aaa authentication login HTTPonly radius local  
aaa authorization exec HTTPonly radius local  
!  
ip http authentication aaa  
ip http authentication aaa exec-authorization HTTPonly  
ip http authentication aaa login-authentication HTTPonly
```

## [Debuggen](#)

Geef deze **debug** opdrachten uit om problemen met HTTP-verificatie/autorisatie op te lossen:

```
debug ip tcp transactions  
debug modem  
!--- If you use the HTTP 1.0 server. debug ip http authentication debug aaa authentication debug  
aaa authorization debug radius !--- If you use RADIUS. debug tacacs !--- If you use TACACS+.
```

Deze uitvoer toont een paar voorbeelden:

```
*Apr 23 13:12:16.871: TCB626DD444 created  
*Apr 23 13:12:16.871: TCP0: state was LISTEN -> SYNRCVD [80 -> 64.101.98.203(19662)]  
*Apr 23 13:12:16.871: TCP0: Connection to 64.101.98.203:19662, received MSS 1460, MSS is 516  
*Apr 23 13:12:16.875: TCP: sending SYN, seq 2078657456, ack 2459301798  
*Apr 23 13:12:16.875: TCP0: Connection to 64.101.98.203:19662, advertising MSS 536  
*Apr 23 13:12:16.899: TCP0: state was SYNRCVD -> ESTAB [80 -> 64.101.98.203(19662)]  
  
!--- The TCP connection from the browser on 64.101.98.203 to the !--- local HTTP server is  
established. *Apr 23 13:12:16.899: TCB62229100 accepting 626DD444 from 64.101.98.203.19662 *Apr  
23 13:12:16.899: TCB626DD444 setting property TCP_PID (8) 626FEC84 *Apr 23 13:12:16.899:  
TCB626DD444 setting property TCP_NO_DELAY (1) 626FEC88 *Apr 23 13:12:16.899: TCB626DD444 setting  
property TCP_NONBLOCKING_WRITE (10) 626FED14 *Apr 23 13:12:16.899: TCB626DD444 setting property  
TCP_NONBLOCKING_READ (14) 626FED14 *Apr 23 13:12:16.899: TCB626DD444 setting property unknown  
(15) 626FED14 *Apr 23 13:12:16.919: HTTP AAA Login-Authentication List name: HTTPauthen *Apr 23  
13:12:16.919: HTTP AAA Exec-Authorization List name: HTTPauthor *Apr 23 13:12:16.919:  
AAA/AUTHEN/LOGIN (00000000): Pick method list 'HTTPauthen' !--- Uses 'HTTPauthen' as the login
```

*authentication method.* \*Apr 23 13:12:16.919: RADIUS/ENCODE(00000000):Orig. component type = INVALID \*Apr 23 13:12:16.919: RADIUS/ENCODE(00000000): dropping service type, "radius-server attribute 6 on-for-login-auth" is off \*Apr 23 13:12:16.919: RADIUS(00000000): Config NAS IP: 0.0.0.0 \*Apr 23 13:12:16.919: RADIUS(00000000): sending \*Apr 23 13:12:16.919: RADIUS/ENCODE: Best Local IP-Address 172.16.175.103 for Radius-Server 10.1.2.3 \*Apr 23 13:12:16.919: RADIUS(00000000): Send Access-Request to 10.1.2.3:1645 id 1645/2, len 51 \*Apr 23 13:12:16.919: RADIUS: authenticator 5F 6E E6 C1 3E 40 5D E2 - FB AC E8 E8 E4 93 BA 98 \*Apr 23 13:12:16.919: RADIUS: User-Name [1] 7 "cisco" \*Apr 23 13:12:16.919: RADIUS: User-Password [2] 18 \* \*Apr 23 13:12:16.919: RADIUS: NAS-IP-Address [4] 6 172.16.175.103 *!--- Sent an Access-Request to the RADIUS server !--- at 10.1.2.3 using the username of "cisco".* \*Apr 23 13:12:21.923: RADIUS: Retransmit to (10.1.2.3:1645,1646) for id 1645/2 \*Apr 23 13:12:26.923: RADIUS: Retransmit to (10.1.2.3:1645,1646) for id 1645/2 \*Apr 23 13:12:31.923: RADIUS: Retransmit to (10.1.2.3:1645,1646) for id 1645/2 \*Apr 23 13:12:36.923: RADIUS: No response from (10.1.2.3:1645,1646) for id 1645/2 \*Apr 23 13:12:36.923: RADIUS/DECODE: parse response no app start; FAIL \*Apr 23 13:12:36.923: RADIUS/DECODE: parse response; FAIL \*Apr 23 13:12:36.923: AAA/AUTHOR (0x0): Pick method list 'HTTPpauthor' \*Apr 23 13:12:36.923: RADIUS/ENCODE(00000000):Orig. component type = INVALID \*Apr 23 13:12:36.923: RADIUS(00000000): Config NAS IP: 0.0.0.0 \*Apr 23 13:12:36.923: RADIUS(00000000): sending \*Apr 23 13:12:36.923: RADIUS/ENCODE: Best Local IP-Address 172.16.175.103 for Radius-Server 10.1.2.3 \*Apr 23 13:12:36.923: RADIUS(00000000): Send Access-Request to 10.1.2.3:1645 id 1645/3, len 57 \*Apr 23 13:12:36.927: RADIUS: authenticator AA DB 63 E1 D4 BF 23 9E - 49 71 78 42 A5 A3 44 B8 \*Apr 23 13:12:36.927: RADIUS: User-Name [1] 7 "cisco" \*Apr 23 13:12:36.927: RADIUS: User-Password [2] 18 \* \*Apr 23 13:12:36.927: RADIUS: Service-Type [6] 6 Outbound [5] \*Apr 23 13:12:36.927: RADIUS: NAS-IP-Address [4] 6 172.16.175.103 \*Apr 23 13:12:41.927: RADIUS: Retransmit to (10.1.2.3:1645,1646) for id 1645/3 \*Apr 23 13:12:46.927: RADIUS: Retransmit to (10.1.2.3:1645,1646) for id 1645/3 \*Apr 23 13:12:51.927: RADIUS: Retransmit to (10.1.2.3:1645,1646) for id 1645/3 \*Apr 23 13:12:56.927: RADIUS: No response from (10.1.2.3:1645,1646) for id 1645/3 \*Apr 23 13:12:56.927: RADIUS/DECODE: parse response no app start; FAIL \*Apr 23 13:12:56.927: RADIUS/DECODE: parse response; FAIL \*Apr 23 13:12:56.927: HTTP: Authentication failed for level 15 *!--- Authentication has failed due to no response from the RADIUS server.* \*Apr 23 13:12:56.927: TCB626DD444 shutdown writing \*Apr 23 13:12:56.927: TCP0: state was ESTAB -> FINWAIT1 [80 -> 64.101.98.203(19662)] \*Apr 23 13:12:56.927: TCP0: sending FIN \*Apr 23 13:12:56.967: TCP0: state was FINWAIT1 -> FINWAIT2 [80 -> 64.101.98.203(19662)] \*Apr 23 13:12:56.967: TCP0: FIN processed \*Apr 23 13:12:56.971: TCP0: state was FINWAIT2 -> TIMEWAIT [80 -> 64.101.98.203(19662)] \*Apr 23 13:13:10.227: TCP0: state was TIMEWAIT -> CLOSED [80 -> 64.101.98.203(16260)] \*Apr 23 13:13:10.227: TCB 0x626DCFA0 destroyed *!--- The TCP connection to the browser 64.101.93.203 is closed.*

## [Gerelateerde informatie](#)

- [Terminal Access Control-systeem \(TACACS+\)](#)
- [Inbelservice voor externe verificatie \(RADIUS\)](#)
- [Verzoeken om opmerkingen \(RFC's\)](#)
- [Technische ondersteuning en documentatie – Cisco Systems](#)