

# RADIUS CoA (Change of Authorization) RADIUS Disconnect 802.1x MAB

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2026 RADIUS CoA SNR Cisco ISE. : " RADIUS CoA RADIUS Disconnect ".

**RADIUS CoA** (Change of Authorization) – , NAS- . SNR CoA MAB 802.1x.

:

1. NAS- ;
2. :
  - a. 802.1x: NAS- EAP-Request, ;
  - b. MAB: NAS- MAC- MAB-.

**RADIUS Disconnect** – CoA, , .

:

1. 802.1x: NAS- + EAP Failure. , 802.1x- NAS- "" , ;
2. MAB: NAS- + NAS- MAB- MAB\_QUIET. quiet-period MAB\_QUIET.

## SNR RADIUS CoA RADIUS Disconnect

RADIUS CoA RADIUS Disconnect MAB:

```
mac-authentication-bypass enable
!
radius-server authentication host 192.168.30.250 key 0 snr # 192.168.30.250 - RADIUS Auth
Server, "snr" - key
radius-server accounting host 192.168.30.250 key 0 snr # 192.168.30.250 - RADIUS Acco
Server, "snr" - key
aaa-accounting enable
aaa enable
!
Interface Ethernet1/0/1
# MAB-client port
switchport mode hybrid
switchport hybrid allowed vlan 1:10 untag # VLAN 10 - Dynamic
VLAN
mac-authentication-bypass enable
!
!
Interface Ethernet1/0/23 #
UPLINK to RADIUS-Server
switchport mode trunk
switchport trunk allowed vlan 10:30
!
interface Vlan30
# VLAN 30 and SVI 30 for connectivity with RADIUS-Server
ip address 192.168.30.100 255.255.255.0
!
end
```



!

Accounting , RADIUS CoA RADIUS Disconnect!

RADIUS CoA RADIUS Disconnect 802.1x:

```

radius-server authentication host 192.168.30.250 key 0 snr # 192.168.30.250 - RADIUS Auth
Server, "snr" - key
radius-server accounting host 192.168.30.250 key 0 snr # 192.168.30.250 - RADIUS Acco
Server, "snr" - key
aaa-accounting enable
aaa enable
!
dot1x enable
!
Interface Ethernet1/0/1
# 802.1x-client port
switchport mode hybrid
switchport hybrid allowed vlan 1:10 untag # VLAN 10 - Dynamic
VLAN
dot1x enable
dot1x port-method portbased
!
!
Interface Ethernet1/0/23 #
UPLINK to RADIUS-Server
switchport mode trunk
switchport trunk allowed vlan 10:30
!
interface #
Vlan30 # VLAN
30 and SVI 30 for connectivity with RADIUS-Server
ip address 192.168.30.100 255.255.255.0
!

```

## RADIUS CoA RADIUS Disconnect

2026 RADIUS CoA SNR Cisco ISE, Cisco ( ). RADIUS CoA RADIUS Disconnect 802.1x MAB .

### RADIUS CoA

1. 802.1x:
  - a. User-Name;
  - b. Vendor-Specific (type 26) Cisco,
    - i. Vendor ID 9 (ciscoSystems);
    - ii. Vendor-Specific Attribute Type 1 (Cisco-AVPair);
    - iii. value: "subscriber:command=reauthenticate".
2. MAB:
  - a. User-Name (, MAB User-Name MAC-, "-") Calling-Station-Id;
  - b. Vendor-Specific (type 26) Cisco,
    - i. Vendor ID 9 (ciscoSystems);
    - ii. Vendor-Specific Attribute Type 1 (Cisco-AVPair);
    - iii. value: "subscriber:command=reauthenticate".

RADIUS CoA 802.1x- "test15" ( RADIUS):

Time	Source	Destination	Protocol	Length	Info
300	2026-05-13 15:11:33, 694733537	192.168.30.250	192.168.30.100	RADIUS	111 CoA-Request Id=8
307	2026-05-13 15:11:33, 699996692	192.168.30.100	192.168.30.250	RADIUS	62 CoA-ACK Id=8
308	2026-05-13 15:11:33, 106709104	192.168.30.100	192.168.30.250	RADIUS	157 Access-Request Id=236
309	2026-05-13 15:11:33, 108361494	192.168.30.250	192.168.30.100	RADIUS	106 Access-Challenge Id=236
310	2026-05-13 15:11:33, 120853334	192.168.30.100	192.168.30.250	RADIUS	170 Access-Request Id=237
311	2026-05-13 15:11:33, 123478091	192.168.30.250	192.168.30.100	RADIUS	138 Access-Challenge Id=237
312	2026-05-13 15:11:33, 134109422	192.168.30.100	192.168.30.250	RADIUS	186 Access-Request Id=238

  

Time	Source	Destination	Protocol	Length	Info
300	2026-05-13 15:11:33, 694733537	192.168.30.250	192.168.30.100	RADIUS	111 CoA-Request Id=8

```

* Frame 300: 111 bytes on wire (888 bits), 111 bytes captured (888 bits) on interface Vlan30, id 0
* Ethernet II, Src: ComalInForma_31:05:35 (98:29:a6:31:05:35), Dst: Nagtech_72:10:07 (f8:f0:82:72:10:07)
* Internet Protocol Version 4, Src: 192.168.30.250, Dst: 192.168.30.100
* User Datagram Protocol, Src Port: 58896, Dst Port: 3799
* RADIUS Protocol
  Code: CoA-Request (43)
  Packet Identifier: 0x8 (8)
  Length: 69
  Authenticator: 29cf766ddff1a98c74439068b2da2f9e
  [The response to this request is in frame 307]
  Attribute Value Pairs
    * AVP: t=User-Name(1) l=8 val=test15
    * AVP: t=Vendor-Specific(26) l=41 vnd=ciscoSystems(9)
      Length: 41
      Vendor ID: ciscoSystems (9)
      * VSA: t=Cisco-AVPair(1) l=35 val=subscriber:command=reauthenticate

```

RADIUS CoA MAB- MAC- f8-f0-82-da-2c-9d:

Time	Source IP	Destination IP	Protocol	Length	Info
620	192.168.30.250	192.168.30.100	RADIUS	122	CoA-Request id=22
629	192.168.30.100	192.168.30.250	RADIUS	62	CoA-ACK id=22
630	192.168.30.100	192.168.30.250	RADIUS	174	Access-Request id=60
631	192.168.30.250	192.168.30.100	RADIUS	96	Access-Accept id=60
640	192.168.30.250	192.168.30.100	RADIUS	406	Access-Accept id=64

```

Frame 628: 122 bytes on wire (976 bits), 122 bytes captured (976 bits) on interface vlan30, id 0
Ethernet II, Src: CompalInform_31:05:35 (98:28:a6:31:05:35), Dst: Nagtech_72:10:07 (f8:f0:82:72:10:07)
Internet Protocol Version 4, Src: 192.168.30.250, Dst: 192.168.30.100
User Datagram Protocol, Src Port: 58706, Dst Port: 3799
RADIUS Protocol
Code: CoA-Request (43)
Packet Identifier: 0x16 (22)
Length: 80
Authenticator: 22fbbd47a09c11ce4a85b78c2a8e0f4
[The response to this request is in frame 629]
Attribute Value Pairs
- AVP: t=User-Name(1) l=19 val=f0-f0-82-da-2c-9d
- AVP: t=Vendor-Specific(26) l=41 vnd=ciscoSystems(9)
Type: 26
Length: 41
Vendor ID: ciscoSystems (9)
- VSA: t=Cisco-AVPair(1) l=35 val=subscriber:command=reauthenticate
Type: 1
Length: 35
Cisco-AVPair: subscriber:command=reauthenticate
  
```

## RADIUS Disconnect

1. **802.1x:**
  - a. User-Name;
2. **MAB:**
  - a. User-Name ( , MAB User-Name MAC-, "-") Calling-Station-Id;

RADIUS Disconnect 802.1x- "test15" ( RADIUS-):

Time	Source IP	Destination IP	Protocol	Length	Info
650	192.168.30.250	192.168.30.100	RADIUS	70	Disconnect-Request id=31
657	192.168.30.100	192.168.30.250	RADIUS	190	Accounting-Request id=66
658	192.168.30.100	192.168.30.250	RADIUS	62	Disconnect-ACK id=31
659	192.168.30.250	192.168.30.100	RADIUS	62	Accounting-Response id=66

```

Frame 656: 70 bytes on wire (560 bits), 70 bytes captured (560 bits) on interface vlan30, id 0
Ethernet II, Src: CompalInform_31:05:35 (98:28:a6:31:05:35), Dst: Nagtech_72:10:07 (f8:f0:82:72:10:07)
Internet Protocol Version 4, Src: 192.168.30.250, Dst: 192.168.30.100
User Datagram Protocol, Src Port: 47293, Dst Port: 3799
RADIUS Protocol
Code: Disconnect-Request (40)
Packet Identifier: 0x1f (31)
Length: 28
Authenticator: cab30e8d42201ba721067cf8f6d5d4d
[The response to this request is in frame 658]
Attribute Value Pairs
- AVP: t=User-Name(1) l=8 val=test15
Type: 1
Length: 8
User-Name: test15
  
```

RADIUS Disconnect MAB- MAC- f8-f0-82-da-2c-9d:

Time	Source IP	Destination IP	Protocol	Length	Info
660	192.168.30.250	192.168.30.100	RADIUS	81	Disconnect-Request id=184
669	192.168.30.100	192.168.30.250	RADIUS	201	Accounting-Request id=67
670	192.168.30.100	192.168.30.250	RADIUS	62	Disconnect-ACK id=184
671	192.168.30.250	192.168.30.100	RADIUS	62	Accounting-Response id=67

```

Frame 668: 81 bytes on wire (648 bits), 81 bytes captured (648 bits) on interface vlan30, id 0
Ethernet II, Src: CompalInform_31:05:35 (98:28:a6:31:05:35), Dst: Nagtech_72:10:07 (f8:f0:82:72:10:07)
Internet Protocol Version 4, Src: 192.168.30.250, Dst: 192.168.30.100
User Datagram Protocol, Src Port: 39348, Dst Port: 3799
RADIUS Protocol
Code: Disconnect-Request (40)
Packet Identifier: 0xb8 (184)
Length: 39
Authenticator: 78eb29f69037ab2aecdca467faadfd0
[The response to this request is in frame 670]
Attribute Value Pairs
- AVP: t=User-Name(1) l=19 val=f0-f0-82-da-2c-9d
Type: 1
Length: 19
User-Name: f0-f0-82-da-2c-9d
  
```