



Quick Configuration Guide

Changing a NetVanta 150 MAC Address in AOS

Introduction

NetVanta 150 wireless access points are thin access points that rely on an access controller in order to determine their configuration. The access controller contains all of the relevant information and transmits it to the 150 when a control session is established. Once a configuration has been established in the access controller, it saves the MAC address of the NetVanta 150 in order to identify it in the future.

In the event that a hardware failure occurs or a 150 needs to be swapped out, the MAC address must be changed in the configuration of the access controller in order to avoid reconfiguring the new unit. With the MAC address changed in the configuration, the new 150 will function identically to the unit it replaces.

Hardware/Software Requirements

ADTRAN Wireless Control Protocol (AWCP) functionality was added in AOS 15.01.00. In addition, the router or switch in question must support AWCP. AWCP is available on AOS products as outlined in the ADTRAN knowledge base article, article number 2272, *Product Feature Matrix*. This matrix is available online at <http://kb.adtran.com>.

Configuration

In this example, we are attempting to replace an access point with the MAC address of 00:A0:C8:AA:BB:CC with a new access point with a MAC address of 00:A0:C8:DD:EE:FF.

CLI Configuration

First, determine the interface associated with the NetVanta 150 that is being changed. From the enable prompt, issue the command “**show run**” to view the existing running configuration. Below is an example of a NetVanta 150 configuration. The relevant line in the configuration has been bolded:

```
interface dot11ap 1 ap-type nv150
  access-point mac-address 00:A0:C8:AA:BB:CC
  event-history on
  event-history priority 6
!
!
interface dot11ap 1/1 radio-type 802.11bg
  no shutdown
!
```

```
!  
interface dot11ap 1/1.1  
  ssid nonbroadcast-mode "TEST"  
  security mode none  
  no shutdown
```

Once the access point interface number has been found, issue the following commands:

```
configure terminal  
interface dot11ap <interface number>  
access-point mac-address 00:A0:C8:DD:EE:FF  
end  
write
```

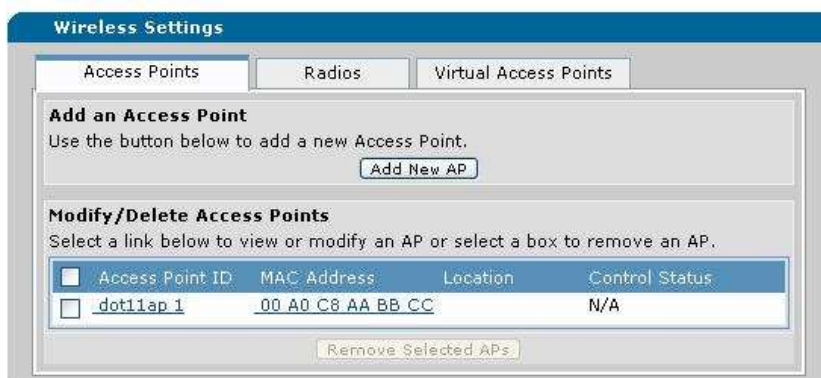
The router should now establish a control session with the new access point.

Web GUI Configuration

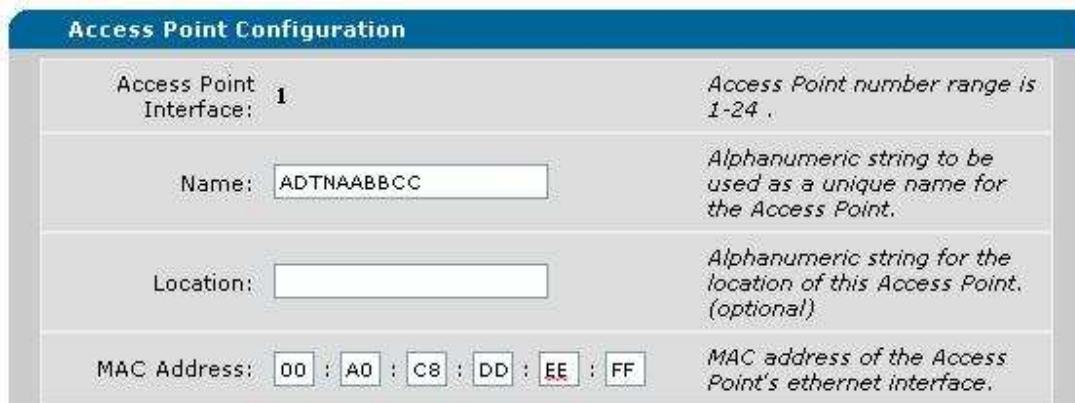
First, navigate to the AP/Radios/VAPs menu under “Data”.



Next, click on the access point that you wish to change.



Clicking on the AP will bring up the configuration page for that particular access point. Fill in the new MAC address and click “Apply”



Access Point Configuration

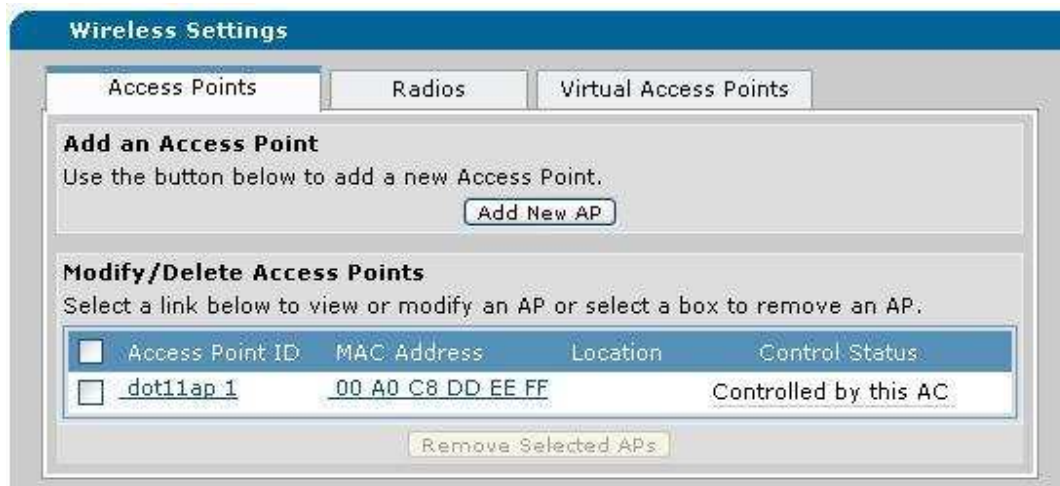
Access Point Interface: **1** *Access Point number range is 1-24 .*

Name: *Alphanumeric string to be used as a unique name for the Access Point.*

Location: *Alphanumeric string for the location of this Access Point. (optional)*

MAC Address: : : : : : *MAC address of the Access Point's ethernet interface.*

Once the new AP is connected to the network, go back to the AP/Radios/VAPs menu and confirm that the control session has been established.



Wireless Settings

Access Points | Radios | Virtual Access Points

Add an Access Point
Use the button below to add a new Access Point.

Modify/Delete Access Points
Select a link below to view or modify an AP or select a box to remove an AP:

<input type="checkbox"/>	Access Point ID	MAC Address	Location	Control Status
<input type="checkbox"/>	dot11ap 1	00 A0 C8 DD EE FF		Controlled by this AC

Troubleshooting

From the GUI, confirm that the control session has been established by viewing “Control Status” within the AP/Radios/VAPs menu.

From the CLI, issue the command “**show interface dot11ap <interface number>**”

```
Dot11 AP 1 line protocol is UP
Controller Status: Local AC in control
Ap Version: FW: 1.0 0.B, DRVR: 1.0 0.0, HW: 1.0 0.0
Ap S/N: LBADTNXXXXXXXXX
AP MAC address: 00:A0:C8:DD:EE:FF
Radio1 - 802.11bg - Enabled, channel 0, address: 00:A0:C8:1F:6E:3C
Radio2 - 802.11a - Disabled, channel 0, address: 00:A0:C8:1F:6E:3B
Bootup Status: Normal
Ap Status: With Session
Controlling AC: 00:A0:C8:23:2A:09
802.1Q Encapsulation - Disabled
Auto, Full Duplex
```

Ethernet Statistics:

Ethernet Rx Packets: 26

Ethernet Rx Bytes: 2238

Ethernet Tx Packets: 11

Ethernet Tx Bytes: 3993