

How to Configure an IP address with CLI – DGS-1510- Series

NOTE – Make sure you are using the latest firmware for the switch.

Requirements:

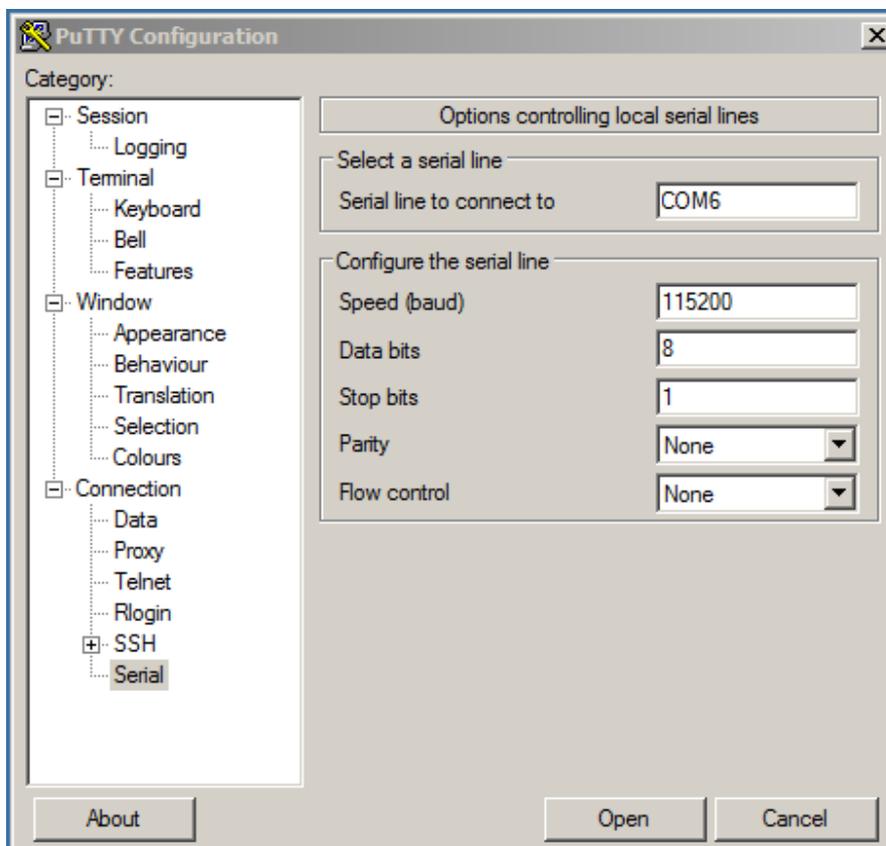
- PC / Laptop
- Console Cable
- PuTTY

Step 1 – Download and install PuTTY from the following link:

<http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>

Use the [putty.exe](#) for download

Step 2 – Once downloaded and installed you will need to configure the COM Port settings



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Serial line to connect to: COM6

(The COM port information will be available in Device Manager)

Speed (baud): 115200

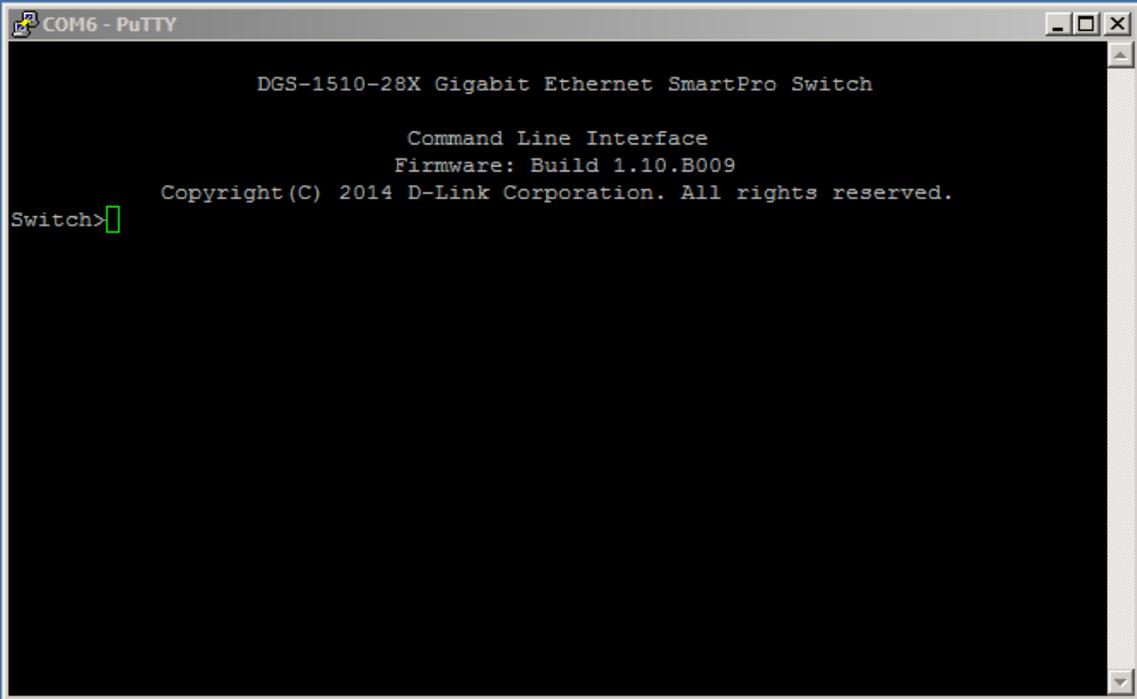
Data bits: 8

Stop bits: 1

Parity: None

Flow control: None

Step 3 – Click on “**Open**” to start the connection to the switch via console. You will be greeted by the following screen:



```
COM6 - PuTTY
DGS-1510-28X Gigabit Ethernet SmartPro Switch
Command Line Interface
Firmware: Build 1.10.B009
Copyright(C) 2014 D-Link Corporation. All rights reserved.
Switch>
```

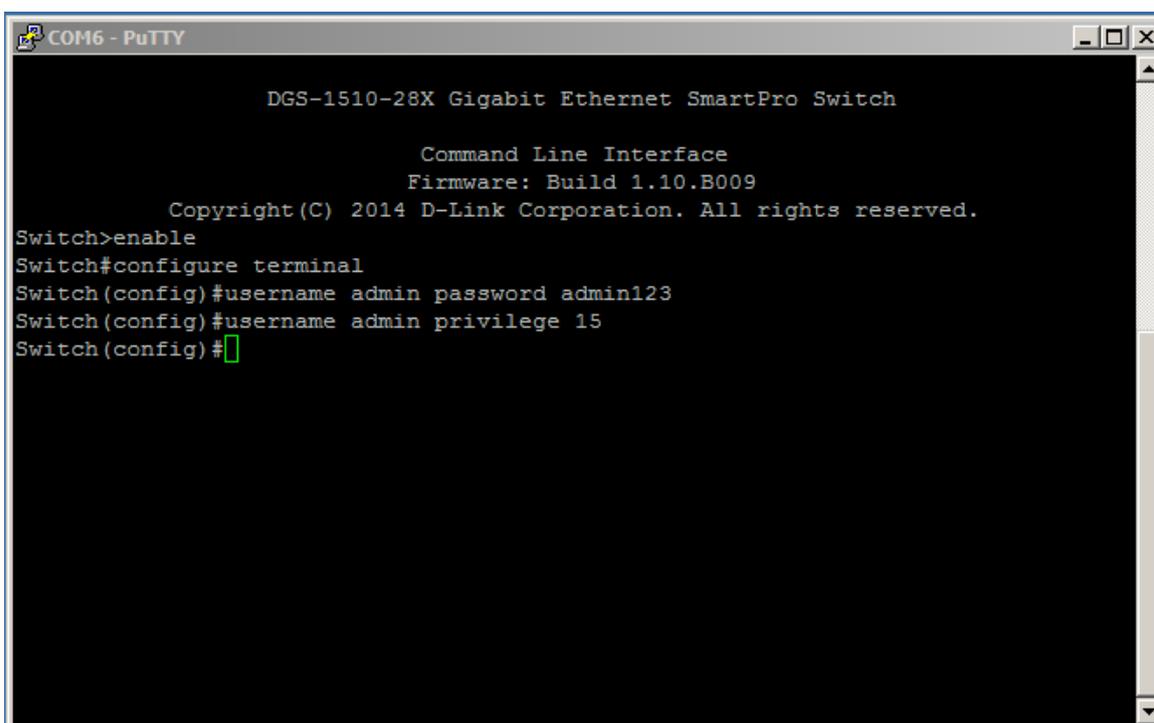
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Step 4 – Elevate the actual user by the following command:

```
Switch>enable  
Switch#
```

Switch>enable

Step 5 – Create a user with the correct privileges



```
COM6 - PuTTY  
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Command Line Interface  
Firmware: Build 1.10.B009  
Copyright (C) 2014 D-Link Corporation. All rights reserved.  
Switch>enable  
Switch#configure terminal  
Switch(config)#username admin password admin123  
Switch(config)#username admin privilege 15  
Switch(config)#
```

In our example, we have created a user “**admin**” with the password of “**admin123**”

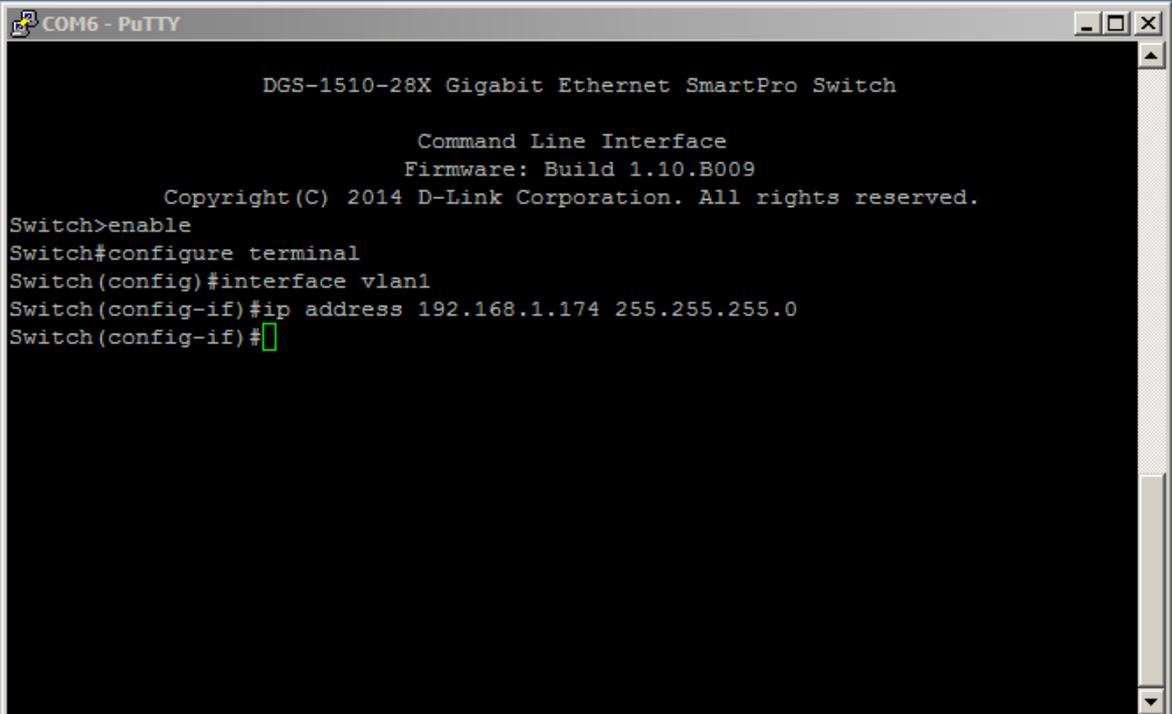
Switch#configure terminal

Switch(config)#username admin password admin123

Switch(config)#username admin privilege 15

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Step 6 – Configure the switch with an IP address



```
COM6 - PuTTY

DGS-1510-28X Gigabit Ethernet SmartPro Switch

Command Line Interface
Firmware: Build 1.10.B009
Copyright (C) 2014 D-Link Corporation. All rights reserved.
Switch>enable
Switch#configure terminal
Switch(config)#interface vlan1
Switch(config-if)#ip address 192.168.1.174 255.255.255.0
Switch(config-if)#
```

Switch(config)#interface vlan 1

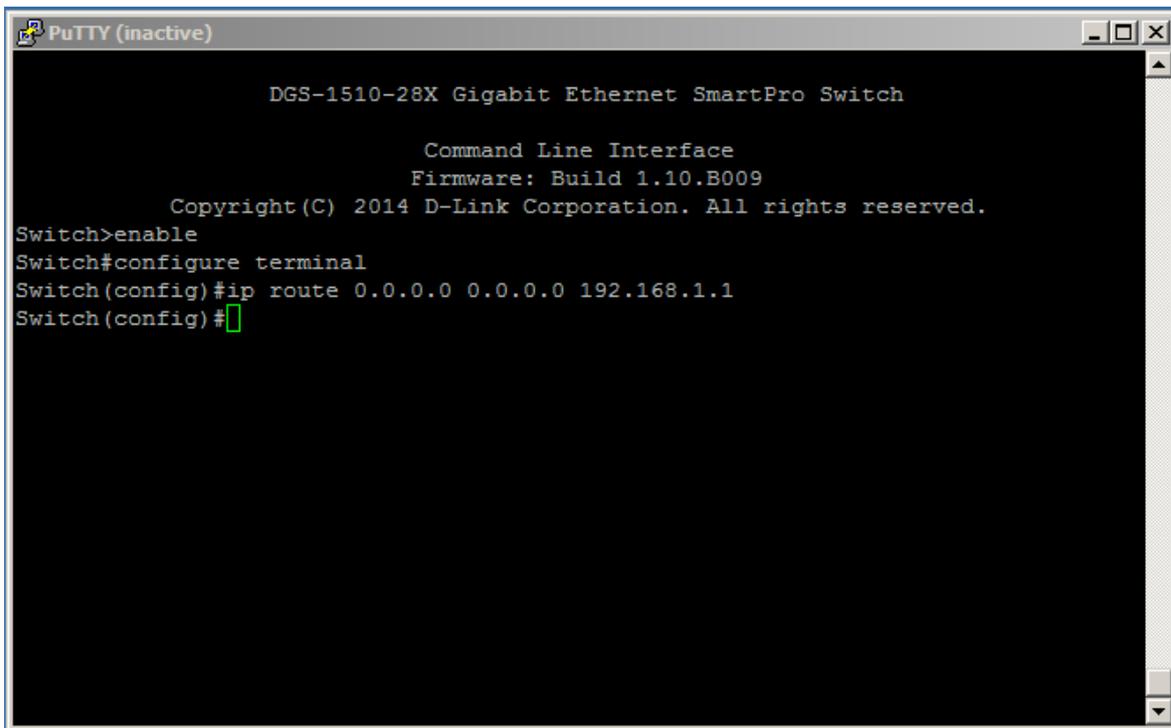
Switch(config-if)#ip address 192.168.1.174 255.255.255.0

Switch(config-if)#exit

Switch(config)#

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Step 7 – Configure the default gateway

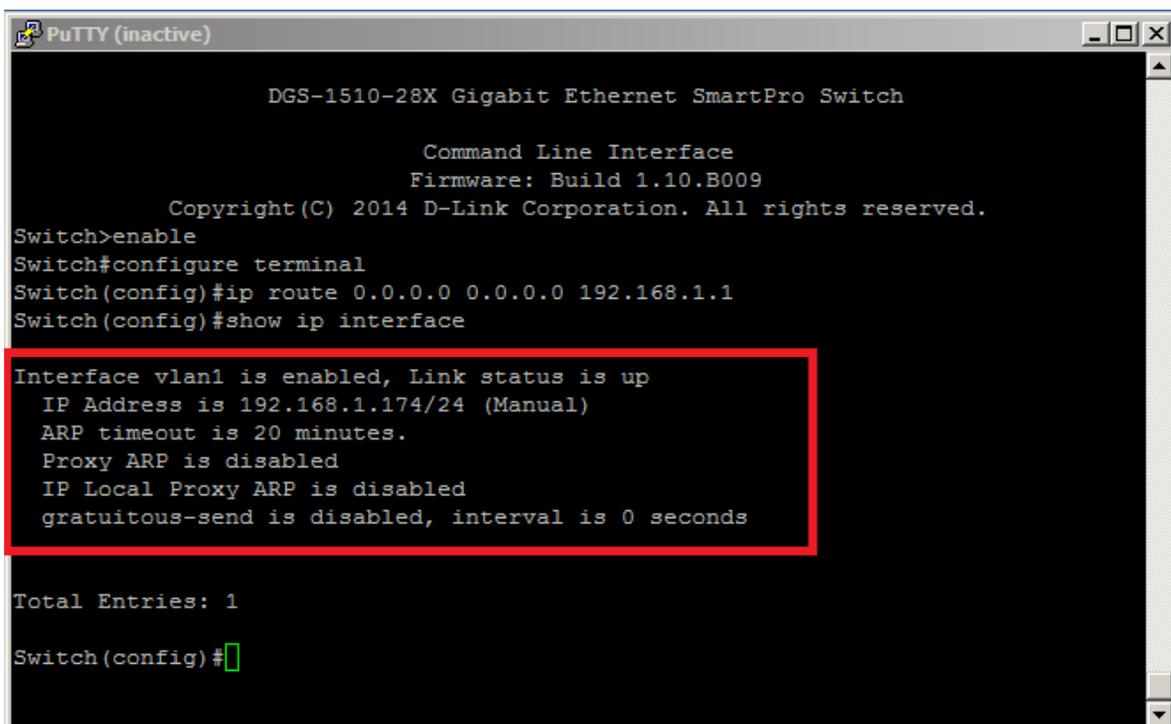


```
Switch>enable
Switch#configure terminal
Switch(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.1
Switch(config)#
```

Switch(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.1

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Step 8 – Check the IP settings created



```
DGS-1510-28X Gigabit Ethernet SmartPro Switch

Command Line Interface
Firmware: Build 1.10.B009
Copyright (C) 2014 D-Link Corporation. All rights reserved.
Switch>enable
Switch#configure terminal
Switch(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.1
Switch(config)#show ip interface

Interface vlan1 is enabled, Link status is up
  IP Address is 192.168.1.174/24 (Manual)
  ARP timeout is 20 minutes.
  Proxy ARP is disabled
  IP Local Proxy ARP is disabled
  gratuitous-send is disabled, interval is 0 seconds

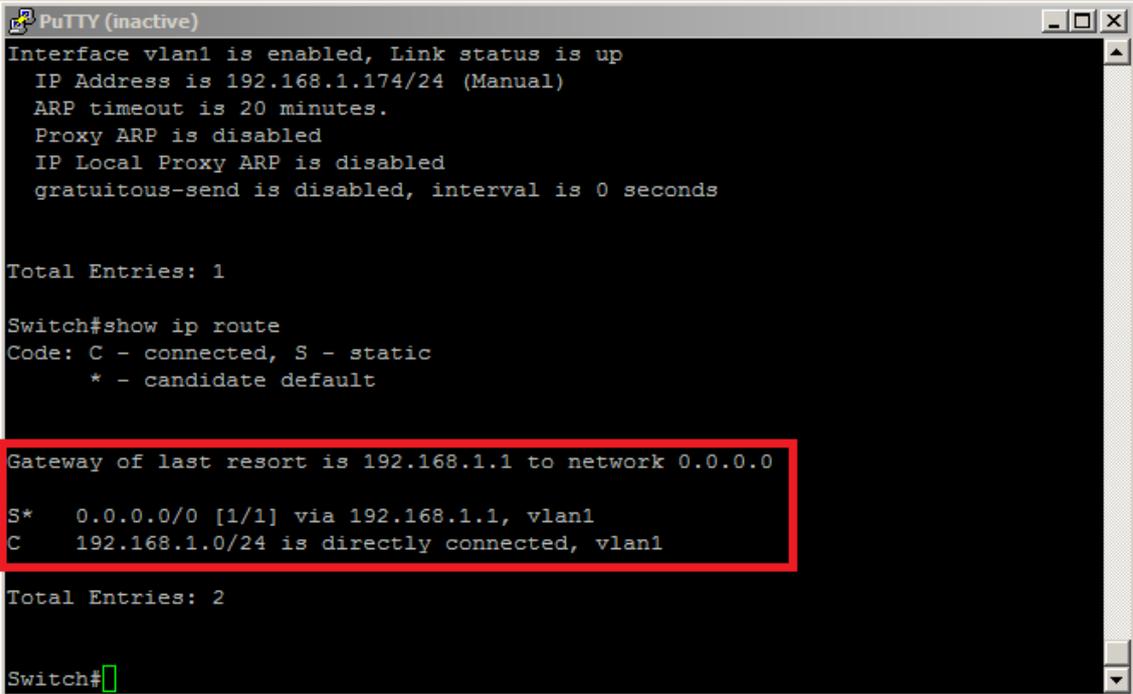
Total Entries: 1

Switch(config)#
```

Switch(config)#show ip interface

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Step 9 – Check the IP route settings



```
PuTTY (inactive)
Interface vlan1 is enabled, Link status is up
IP Address is 192.168.1.174/24 (Manual)
ARP timeout is 20 minutes.
Proxy ARP is disabled
IP Local Proxy ARP is disabled
gratuitous-send is disabled, interval is 0 seconds

Total Entries: 1

Switch#show ip route
Code: C - connected, S - static
      * - candidate default

Gateway of last resort is 192.168.1.1 to network 0.0.0.0

S*   0.0.0.0/0 [1/1] via 192.168.1.1, vlan1
C    192.168.1.0/24 is directly connected, vlan1

Total Entries: 2

Switch#
```

Switch(config)#show ip route

End of Document.