

## Mellanox Switch Management Interface Setup

Terminal software:

<https://www.decisivetactics.com/products/serial/>

Bottom switch:

**switch-ca3a08** [standalone: master] > **show interfaces**

Interface **lo** status:

Comment:

**Admin up:**       **yes**

**Link up:**       **yes**

**DHCP running:**   **no**

IP address:       127.0.0.1

Netmask:          255.0.0.0

IPv6 enabled:     yes

Autoconf enabled: yes

Autoconf route:   yes

Autoconf privacy: no

DHCPv6 running:   no

IPv6 addresses:   1

IPv6 address:     ::1/128

Speed:            N/A

Duplex:           N/A

Interface type:   loopback

Interface source: loopback

MTU:              16436

HW address:       N/A

Rx:

0                bytes

0                packets

0                mcast packets

0                discards

0                errors

0                overruns

0                frame

Tx:

0                bytes

0                packets

|   |            |
|---|------------|
| 0 | discards   |
| 0 | errors     |
| 0 | overruns   |
| 0 | carrier    |
| 0 | collisions |
| 0 | queue len  |

Interface **mgmt0** status:

Comment:

**Admin up:**       **yes**

**Link up:**       **yes**

**DHCP running:**   **yes (but no valid lease)**

IP address:

Netmask:

IPv6 enabled:    **yes**

Autoconf enabled: **no**

Autoconf route:  **yes**

Autoconf privacy: **no**

DHCPv6 running:  **yes (but no valid lease)**

IPv6 addresses:  **1**

IPv6 address:    **fe80::ee0d:9aff:feca:3a08/64**

Speed:           **1000Mb/s (auto)**

Duplex:          **full (auto)**

Interface type:  **ethernet**

Interface source: **bridge**

MTU:            **1500**

**HW address:      EC:0D:9A:CA:3A:08**

enable

configure terminal

configuration jump-start

Top switch (had to reboot):

switch-cedfe2 login:

CHANGED admin password on both - save to Last Pass

VPN did not work - add to access list

switch-cedfe2 [standalone: master] > enable

switch-cedfe2 [standalone: master] # configure terminal

switch-cedfe2 [standalone: master] (config) # configuration jump-start

## Configuration wizard

Step 1: Hostname? [switch-cedfe2] itb-mellanox-2

Step 2: Use DHCP on mgmt0 interface? [yes] no

Step 3: Use zeroconf on mgmt0 interface? [no]

Step 4: Primary IPv4 address and masklen? [0.0.0.0/0] 10.38.0.8

Step 5: Netmask or mask length? [255.255.255.0]

Step 6: Default gateway? 10.38.0.1

Step 7: Primary DNS server?

Step 8: Domain name? hpc.pomona.edu

Step 9: Enable IPv6? [yes] no

Step 10: Admin password (Enter to leave unchanged)?

Step 10: Confirm admin password?

You have entered the following information:

1. Hostname: itb-mellanox-2
2. Use DHCP on mgmt0 interface: no
3. Use zeroconf on mgmt0 interface: no
4. Primary IPv4 address: 10.38.0.8
5. Netmask or mask length: 255.255.255.0
6. Default gateway: 10.38.0.1
7. Primary DNS server:
8. Domain name: hpc.pomona.edu
9. Enable IPv6: no
10. Admin password (Enter to leave unchanged): (CHANGED)

To change an answer, enter the step number to return to.

Otherwise hit <enter> to save changes and exit.

tb-mellanox-2 [standalone: master] (config) # show interface mgmt0

Interface mgmt0 status:

Comment:

Admin up: yes

Link up: yes

DHCP running: no

IP address: 10.38.0.8

Netmask: 255.255.255.0

IPv6 enabled: no

Speed: 1000Mb/s (auto)

Duplex: full (auto)  
Interface type: ethernet  
Interface source: bridge  
MTU: 1500  
**HW address: EC:0D:9A:CE:DF:E2**