



LUXUL Managed Switch Configuration for Dante User Guide

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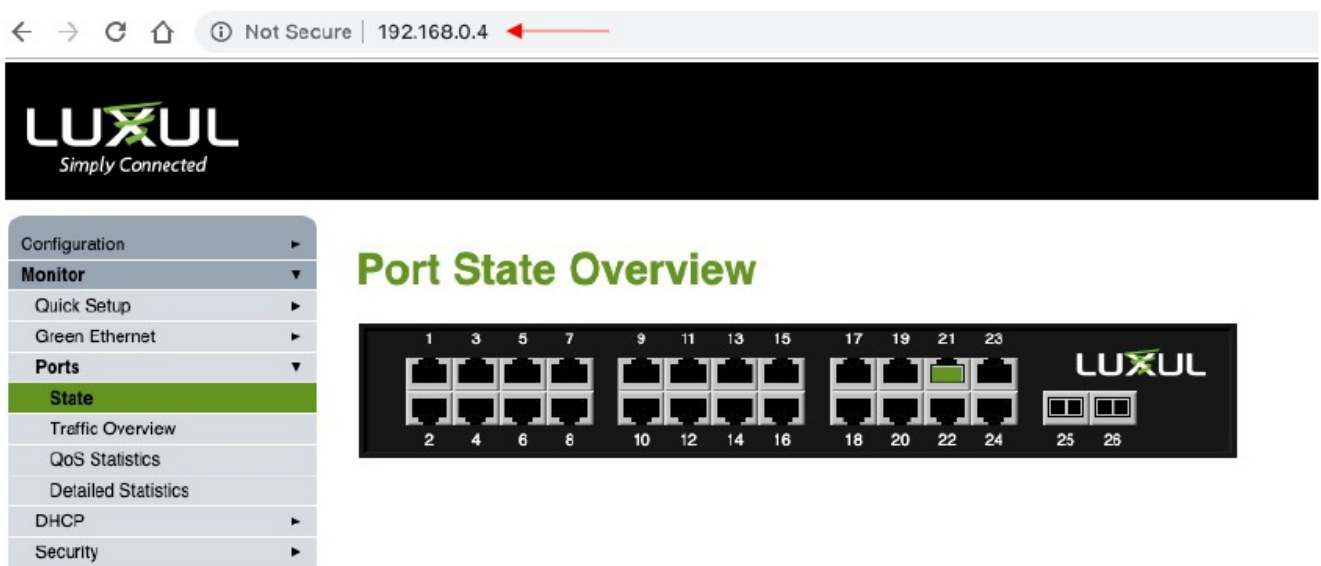


LUXUL Managed Switch Configuration for Dante



Login to switch

- Login to switch via web browser.
- If your network is not currently on a 192.168.0.x subnet, you may need to temporarily set your computer to a static IP subnet of 192.168.0.x It is also recommended to change the IP address of the switch to match the subnet of your network.
- Default IP address of the switches are:
- AMS-2600 = 192.168.0.2
- AMS/XMS-1208P = 192.168.0.3
- All other AMS/XMS models = 192.168.0.4
- SW-510/610 Series – DHCP by default
- Default username = admin
- Default password = admin*
- Firmware will require a password change upon initial setup



DSCP QoS Settings

- Navigate to Configuration > QoS > Port Classification.
- Select DSCP Based option for all ports. Clicking the top row with the * globally selects all ports.

1 →

- Configuration ▾
- Quick Setup ▸
- Green Ethernet ▸
- Ports ▸
- DHCP ▸
- Security ▸
- Aggregation ▸
- Loop Protection ▸
- IPMC Profile ▸
- MVR ▸
- IPMC ▸
- LLDP ▸
- MAC Table ▸
- Voice VLAN ▸
- QoS ▾
- Port Classification**
- Port Policing
- Queue Policing
- Port Scheduler
- Port Shaping
- Port Tag Remarking
- Port DSCP
- DSCP-Based QoS
- DSCP Translation
- DSCP Classification
- Storm Policing
- WRED
- Mirroring
- UPnP
- GVRP ▸
- Stack
- sFlow
- UDLD
- Monitor ▸
- Tools ▸
- Administration ▸

2 →
3 →

QoS Ingress Port Classification for Switch 1

Port	CoS	DPL	DSCP Based
*	<>	<>	<input checked="" type="checkbox"/>
1	0	0	<input checked="" type="checkbox"/>
2	0	0	<input checked="" type="checkbox"/>
3	0	0	<input checked="" type="checkbox"/>
4	0	0	<input checked="" type="checkbox"/>
5	0	0	<input checked="" type="checkbox"/>
6	0	0	<input checked="" type="checkbox"/>
7	0	0	<input checked="" type="checkbox"/>
8	0	0	<input checked="" type="checkbox"/>
9	0	0	<input checked="" type="checkbox"/>
10	0	0	<input checked="" type="checkbox"/>
11	0	0	<input checked="" type="checkbox"/>
12	0	0	<input checked="" type="checkbox"/>
13	0	0	<input checked="" type="checkbox"/>
14	0	0	<input checked="" type="checkbox"/>
15	0	0	<input checked="" type="checkbox"/>
16	0	0	<input checked="" type="checkbox"/>
17	0	0	<input checked="" type="checkbox"/>
18	0	0	<input checked="" type="checkbox"/>
19	0	0	<input checked="" type="checkbox"/>
20	0	0	<input checked="" type="checkbox"/>
21	0	0	<input checked="" type="checkbox"/>
22	0	0	<input checked="" type="checkbox"/>
23	0	0	<input checked="" type="checkbox"/>

← 4

Save DSCP Settings

- Scroll to bottom of screen and click Save

← → ↻ 🏠 ⓘ Not Secure | 192.168.0.4 ☆ 📶 🔍 ⚙️

Model: AMS-4424P
 Firmware Version: v4.1.3

Configuration	1	0	0	✓
Quick Setup	2	0	0	✓
Green Ethernet	3	0	0	✓
Ports	4	0	0	✓
DHCP	5	0	0	✓
Security	6	0	0	✓
Aggregation	7	0	0	✓
Loop Protection	8	0	0	✓
IFMC Profile	9	0	0	✓
MVR	10	0	0	✓
IFMC	11	0	0	✓
LLDP	12	0	0	✓
MAC Table	13	0	0	✓
Voice VLAN	14	0	0	✓
QoS	15	0	0	✓
Port Classification	16	0	0	✓
Port Policing	17	0	0	✓
Queue Policing	18	0	0	✓
Port Scheduler	19	0	0	✓
Port Shaping	20	0	0	✓
Port Tag Remarking	21	0	0	✓
Port DSCP	22	0	0	✓
DSCP-Based QoS	23	0	0	✓
DSCP Translation	24	0	0	✓
DSCP Classification	25	0	0	✓
Storm Policing	26	0	0	✓
WRED				
Mirroring				
UPnP				
GVRP				
Stack				
sFlow				
UDLD				
Monitor				
Tools				
Administration				

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Save **Reset**

DSCP Based QoS

- In the same QoS menu section, navigate to DSCP-Based QoS
- Select Trust for all DSCP classes. It is also acceptable to select Trust only on the classes that are required for Dante. Those classes are specified on the next page.



Set QoS Class

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LUXUL
Simply Connected

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DSCP-Based QoS Ingress Classification

DSCP	Trust	QoS Class	DPL
*	<input checked="" type="checkbox"/>	<=	<=
0 (BE)	<input checked="" type="checkbox"/>	0	1
1	<input checked="" type="checkbox"/>	0	0
2	<input checked="" type="checkbox"/>	0	0
3	<input checked="" type="checkbox"/>	0	0
4	<input checked="" type="checkbox"/>	0	0
5	<input checked="" type="checkbox"/>	0	0
6	<input checked="" type="checkbox"/>	0	0
7	<input checked="" type="checkbox"/>	0	0
8 (CS1)	<input checked="" type="checkbox"/>	5	1
9	<input checked="" type="checkbox"/>	0	0
10 (AF11)	<input checked="" type="checkbox"/>	0	0
11	<input checked="" type="checkbox"/>	0	0
12 (AF12)	<input checked="" type="checkbox"/>	0	0
13	<input checked="" type="checkbox"/>	0	0
14 (AF13)	<input checked="" type="checkbox"/>	0	0
15	<input checked="" type="checkbox"/>	0	0
16 (CS2)	<input checked="" type="checkbox"/>	0	0
17	<input checked="" type="checkbox"/>	0	0
18 (AF21)	<input checked="" type="checkbox"/>	0	0
19	<input checked="" type="checkbox"/>	0	0
20 (AF22)	<input checked="" type="checkbox"/>	0	0
21	<input checked="" type="checkbox"/>	0	0
22 (AF23)	<input checked="" type="checkbox"/>	0	0

← → ↻ 🏠 ⓘ Not Secure | 192.168.0.4

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38 (AF43) ☒ 0 0 0

39 ☒ 0 0 0

40 (CS5) ☒ 0 0 0

41 ☒ 0 0 0

42 ☒ 0 0 0

43 ☒ 0 0 0

44 ☒ 0 0 0

45 ☒ 0 0 0

46 (EF) ☒ 8 1 0

47 ☒ 0 0 0

48 (CS6) ☒ 8 0 0

49 ☒ 0 0 0

50 ☒ 0 0 0

51 ☒ 0 0 0

52 ☒ 0 0 0

53 ☒ 0 0 0

54 ☒ 0 0 0

55 ☒ 0 0 0

56 (CS7) ☒ 7 1 0

57 ☒ 0 0 0

58 ☒ 0 0 0

59 ☒ 0 0 0

60 ☒ 0 0 0

61 ☒ 0 0 0

62 ☒ 0 0 0

63 ☒ 0 0 0

5 → Save Reset

IGMP Multicast Configuration

- Navigate to Configuration > IPMC > IGMP Snooping > Basic Configuration
- Check Snooping Enabled
- Check Unregistered IPMCv4 Flooding Enabled (it should be enabled already)
- Check Fast Leave on all ports
- Changing the setting on the top row with the * globally selects all ports
- Click Save at bottom of screen

LUXUL
Simply Connected

Model: AMS-4424P
Firmware Version: v4.1.3

Configuration

- Quick Setup
- Green Ethernet
- Ports
- DHCP
- Security
- Aggregation
- Loop Protection
- IPMC Profile
- MVR
- IPMC**
- IGMP Snooping**
- Basic Configuration**
- VLAN Configuration
- Port Filtering Profile
- MLD Snooping
- LLDP
- MAC Table
- Voice VLAN
- QoS
- Mirroring
- UPnP
- GVRP
- Stack
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IGMP Snooping Configuration

Global Configuration	
Snooping Enabled	<input checked="" type="checkbox"/>
Unregistered IPMCv4 Flooding Enabled	<input checked="" type="checkbox"/>
IGMP SSM Range	232.0.0.0 / 8
Leave Proxy Enabled	<input type="checkbox"/>
Proxy Enabled	<input checked="" type="checkbox"/>

Port Related Configuration for Switch 1

Port	Router Port	Fast Leave	Throttling
*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
8	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited

IGMP Multicast VLAN Configuration

- Navigate to Configuration > IPMC > IGMP Snooping > VLAN Configuration
- Click Add New IGMP VLAN if no VLAN table is created. Firmware 4.1.3 and higher will have already created the table for you

- Check Snooping Enabled
- Check Querier Election
- IP Address can be left at 0.0.0.0 or can be the IP address of the switch
- Set IP as IP address of the switch if using more than one switch in network
- Change Compatibility to Forced IGMPv2
- Set QI to 30 seconds
- Click Save

Save Startup Config

- Navigate to Administration > Configuration > Save startup-config
- Click Save Configuration to make settings permanent in the switch

Documents / Resources

	LUXUL Managed Switch Configuration for Dante [pdf] User Guide Managed Switch Configuration for Dante
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References

-  [How does Dante use DSCP / Diffserv priority values when configuring QoS? | Audinate | FAQs](#)