



#### **Luxul Configuration**

#### Single and Multiple Switches

The EVO-IP HDMI over IP System has been tested and confirmed to work with Luxul AMS and XMS Switches. Below are screenshots showing the configuration needed to get the system up and running. These have been tested on Luxul switches with FW 4.0.8 and 4.1.1 installed.

#### Single Switch Configuration:

- 1. Enable IGMP Snooping by going to: Configuration->IPMC->IGMP Snooping->Basic Configuration. Save the setting once finished.
- 2. Disable Unregistered IPMCv4 Flooding
- 3. Enable Fast Leave on all ports

NOTE: When using a control system, for best results ensure the port that is connected to an external (outside of EVO-IP) network is selected as the Router Port.

Simply connected					
Configuration	T I				
Quick Setup	٠	IG	MP Sno	poping	Configurati
Green Ethernet	•				
Thermal Protection				c	lobal Configuration
Ports DHCP	-	Snor	ping Enabled		
Security		1.000,000			-
Aggregation		Unre	gistered IPMCv4	Flooding Enable	d
Loop Protection		IGME	SSM Range		232.0.0.0
IPMC Profile		Loov	e Proxy Enabled	4	
MVR		(222580			
IPMC		Prox	Enabled		
IGMP Snooping					
Basic Configuration		Po	rt Rela	ted Cor	figuration
VLAN Configuration Port Filtering Profile					
MLD Snooping		Port	Router Port	Fast Leave	Throttling
LLDP		*			
MAC Table					
Voice VLAN	•	1			unlimited •
QoS	۲	2			unlimited •
Mirroring		2	-		
UPnP		3		<b>2</b> (	unlimited •
GVRP	•	4			unlimited •
sFlow		5			unlimited •
UDLD Monitor					
Quick Setup		6		<b>2</b> (	unlimited •
Green Ethernet		7			unlimited •
	•	-			







1. Next Add and enable an IGMP Snooping VLAN Configuration by going to Configuration->IPMC->IGMP Snooping->VLAN Configuration.

- Click on Add New IGMP VLAN
- Provide VLAN ID (Shown below as 1)
- Check Snooping Enabled
- Save the setting once finished.

Configuration	- 20													Rature	1 (ex ) =
Quick Setup		IGM	P Sn	ooping	VLAN	Configura	tion							Concession of the local division of the loca	-
Green Ethernet															
Thermal Protection		Start from	VLAN 1		with 2	20	entries per page.								
Ports		_		)											
DHCP		2444	VLAN	Snooping	Querier								QRI (0.1	LLQI (0.1	
Security		Delete	ID	Enabled	Election	Querier Address	Compatibility	8	PR	t,	RV	QI (sec)	sec)	sec)	URI (sec)
Appregation				2											
Loop Protection		0	11	2	8	0.0.0.0	IGMP-Auto		0	•	2	125	100	10	1
IPMC Profile			0	1.1		*480g - 00									
MVR		Add New	IGMP VU												
IPMC		(CONTRACT) (CONTRACT)	and the second	1											
IGMP Snooping		Save F	mont												
Basic Configuration	*	4	mort												
	·		and .												
Basic Configuration			and of the second s												
Basic Configuration VLAN Configuration	-		onart												
Basic Configuration VLAN Configuration Port Filtering Profile			onart												
Basic Configuration VLAN Configuration Port Filtering Profile MLD Snooping			nint												
Basic Configuration VLAN Configuration Port Filtering Profile MLD Snooping LLDP			mart												
Basic Configuration VLAN Configuration Port Filtering Profile MLD Snooping LLDP MAC Table	:		intart												
Basic Configuration VLAN Configuration Port Filtering Profile MLD Smooping LLDP MAC Table Voice VLAN	:		in fart												
Basic Configuration VLAN Configuration Port Filterup Profile MLD Sinopeng LLDP MAC Table Voice VLAN QoS	:		an fairt												
Basic Configuration VLAN Configuration Port Filtering Profile MLD Smooping LLDP MAC Table Voice VLAN Con5 Millioning	:		and and												
Basic Configuration VLAN Exchiguration Port Filtening Profile MLD Snooping LLDP MAC Table Vision VLAN QaS Mistrong LLPoP			SIG OF												
Basic Configuration VLAN Configuration Port Filtering Profile MLD Shooping LLDP MAC Table Voice SLAN GotS Mitmong UP-PP OVRIP			SIG OF												
Basic Configuration VLAM Configuration Port Filterop Pontle MLD Smooping LLDP MAC Table Macong Vices VLAM Cos S Missiong UR-p OVRP Show			SIGLE C												
Basic Configuration VLAN Configuration Port Filterop Indite MLD Brooping LLDP MAC Table Voice VLAN Quố Mismong UPop QVIPP SPiow UCLD			SIGLE C												

\* for best results and to prevent you network from being flooded, enter the IP address of the EVOIPCTL1 control box in the Querier Address field and click save.

3. To make sure you switch settings are saved and come up after power is cycles, go to Administration->Configuration-> Save Startup Config, then click on Save Configuration.



#### JLUTION LUXUL Configuration Save Running Configuration to startup-config ٠ Monitor Tools . Please note: The generation of the configuration file may be time consuming, depending on the amount of non-default configuration. Administr Reboo Factory Defaults Firmware Update Firmware Image Select Configuration Download Upload Activate

### **Multi-Switch Configuration**

Delete

The EVO-IP HDMI over IP System has been tested and confirmed to work with Luxul AMS and XMS Switches. Below are two methods and screenshots showing the configuration needed to get the system up and running with multiple switches.

#### Setting Up Core/Extended Switches

For static setups that do not require switching of inputs (transmitters) and outputs (receivers) across different switches but still would like to maintain the control and remote monitoring capabilities of the system. Depending on the resolution and settings of the source on the transmitter, bitrate can vary between 250Mbps to 850Mbps (4K and HDR applications) when set to **AUTO** on the **TX Speed** setting in **Setup**. If additional bandwidth is needed based on your installation or you have experiencing issues, see the **Create an Aggregate Link** section below.

NOTE: The TX SPEED setting can also be adjusted and fixed from 10Mbps to 200Mbps

#### **Core Switch**

1. Enable IGMP Snooping and disable IPMCv4 Flooding by going to: Configuration->IPMC->IGMP Snooping->Basic Configuration. Save the setting once finished.



## VOLUTION

Configuration						
Quick Setup	•	IGI	<b>IP</b> Sno	oping	Configu	Irati
Green Ethernet	•					
Thermal Protection				6	lobal Configu	ration
Ports	•				iobai ooninga	auon
DHCP	•	Snoo	oing Enabled			
Security	•	Unreg	istered IPMCv4	Flooding Enable	ł	
Aggregation	•			2		
Loop Protection		IGMP	SSM Range		232.0.0.0	
IPMC Profile	•	Leave	Proxy Enabled	1		
MVR		Deeue	Enabled			
IPMC IGMP Snooping		Proxy	Enabled			
Basic Configuration VLAN Configuration		Po	rt Rela	ted Con	figurat	ion
Port Filtering Profile		-	-			
MLD Snooping	۲	Port	Router Port	Fast Leave	Throttlin	g
LLDP	•				0	T
MAC Table		1			unlimited	
Voice VLAN	٠	-			Junumed	
QoS	•	2		<b>S</b>	unlimited	•
Mirroring UPnP		3			Inlimited	•
GVRP						
SFlow		4			unlimited	•
UDLD		5			Inlimited	•
Monitor		-				
Quick Setup		6			unlimited	•
Green Ethernet		7			Inlimited	•

Next Add and enable an IGMP Snooping VLAN Configuration by going to Configuration->IPMC->IGMP Snooping->VLAN 2. Configuration.

- Click on Add New IGMP VLAN -
- Provide VLAN ID (Shown below as 1)
- Check Snooping Enabled
- Under Querier Address, enter the IP address of the Control Box
- For Compatibility, select IGMPv2 from the dropdown menu -
- Save the setting once finished -



Configuration		ICM				CanEnunal	law					Refres	h (44 ) >>
Quick Setup		IGINI	P 30	ooping	VLAN	Configurat	tion						
Green Ethernet	•												
Thermal Protection		Start from	VLAN 1		with 2	10	entries per page.						
Porta	•		(VLAN)	Snooping	Querier						QRI (0.1	LLQI (0.1	1
DHCP	•	Delete	ID	Enabled	Election	Querier Address	Compatibility	PRI		RV QI (s	c) sec)	sec)	URI (sec)
Security	•	1.5	176	3			*	11.5					
Aggregation	•	0	1			0.0.0.0	IGMP-Auto	0	• 2	125	100	10	1
Loop Protection		-	<u> </u>			2	The state		1.	Te.d	100	11.40	1×()
IPMC Profile	٠	Add Nev	ICMP VI	SN D									
MVR		and they	and the second	1									
IPMC	:	Save F	incet										
IGMP Snooping													
Basic Configuration		4											
VLAN Configuration		4											
VLAN Configuration Port Filtering Profile	-	4											
VLAN Configuration Port Filtering Profile MLD Snooping		4											
VLAN Configuration Port Filtering Profile MLD Snooping LLDP	:	4											
VLAN Configuration Port Filtering Profile MLD Snooping LLDP MAC Table	•	4											
VLAN Configuration Port Filtering Profile MLD Snooping LLDP MAC Table Voice VLAN	•	4											
VLAN Contiguration Port Filtering Profile MLD Snooping LLDP MAC Table Voice VLAN GoS	•	4											
VLAN Contiguration Port Fibering Profile MLD Snooping LLDP MAC Table Voice VLAN GoS Milmoring	•	4											
VLAN Contiguration Port Fitterup Profile MLD Snooping LLDP MAC Table Voice VLAN GoS Millioting LIPoP	•	4											
VLAN Contiguration Port Fitterug Profile MLD Snooping LLDP MAC Table Voce VLAN GoS Milmoring LIP-IP GVRP	•	4											
VLAN Configuration Port Fittering Profile MLD Strooping LLDP MAC Table Voice VLAN QaS Mittoring LLPnP QUYPP aFroe	•	4											
VLAN Configuration Port Fittering Profile MLD Strooping LLD# MAC Table Voice VLAN Ox5 Mitmoniq Ulti-pP OVRP SFlow DUCD	•	4											
VLAN Configuration Port Fittering Profile MLD Brooping LLDP MAC Table Veces VLAN QoS Mittering UP-09 QoV/PP SPlow UDLD Sentor	•	4											
VLAN Configuration Port Filtering Profile	•	4											

3. To make sure you switch settings are saved and come up after power is cycles, go to Administration->Configuration-> Save Startup Config, then click on Save Configuration.

Simply Connected		
Configuration		
		Save Running Configuration to startup-config
Monitor	•	Save Running Configuration to Startup-config
Tools	•	
Administration		Please note: The generation of the configuration file may be time consuming, depending on the amount of non-default configuration.
Reboot		
Factory Defaults		Save Configuration
Firmware Update		
Firmware Image Select		
Configuration		
Save startup-config		
Download		
Upload		
Activate		
Delete		

### **Extended Switch(es)**

When setting up an additional switch, it is important to change the default IP address of the switches that come AFTER the Core Switch so that there is not an IP conflict.



# FVOLUTION

#### **Change Switch IP Address**

- 1. Go to Configuration
- 2. Quick Setup
- 3. IP->IP Interfaces
- 4. Change the IP address provided in the IPv4 field
- 5. Click Save
- To make sure you switch settings are saved and come up after power is cycles, go to
   Administration>Configuration-> Save Startup Config, then click on Save Configuration.

#### **Enable IGMP Snooping**

1. Enable IGMP Snooping by going to: Configuration->IPMC->IGMP Snooping->Basic Configuration. Save the setting once finished.

nooping Configur
Global Configurati
Enabled
232.0.0.0
232.0.0.0
1
~

2. Next Add and enable an IGMP Snooping VLAN Configuration by going to Configuration->IPMC->IGMP Snooping->VLAN Configuration.

- Click on Add New IGMP VLAN
- Provide VLAN ID (Shown below as 1)
- Check Snooping Enabled

6



### FVOLUTION

- Under **Querier Address**, enter the IP address of the **CORE SWITCH** For **Compatibility**, select **IGMPv2** from the dropdown menu
- Save the setting once finished.



3. To make sure you switch settings are saved and come up after power is cycles, go to Administration->Configuration-> Save Startup Config, then click on Save Configuration.



### FVOLUTION

### 

uration		
I		Save Running Configuration to startup-config
	•	
nistration		Please note: The generation of the configuration file may be time consuming, depending on the amount of non-default configuration
oot		
tory Defaults		Save Configuration
nware Update		
nware Image Select		
nfiguration	•	
ave startup-config		
ownload		
pload		
ctivate		
)elete		

### **Creating an Aggregated Link**

If you find you are having issues with higher resolution sources in systems that rely on switching sources, creating an aggregated link will help achieve higher bandwidth capacity when going between switches. This is only dependent on the model of switch you are using. Check the manufacturers features and specifications to ensure this is possible.

- 1. Within the Luxul GUI of the first switch, go to **Configuration->Aggregation->Static**
- 2. Select which ports you wish to aggregate to a **Group ID**.
- 3. Click Save button once finished.
- 4. Repeat for additional switches within the system.

Locality	Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Normal	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	0	0
Global	1	0	6	0	0	0	0	0	0	0	0	0	٢	0	0	0	0	0	0	0	0	0	0	0	0	۲	۲
Global	2	Θ	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0





#### Adding VLANs

If your finding the EVO-IP system not working reliably. Having the system on its own VLAN might help. Doing this separates the EVO-IP system from anything else on your network that could be causing issues with the EVO-IP. For this, you will need access to the main router or request to put in a static route in.

1. Create and assign a new VLAN by going to **Configuration->Quick Setup->VLANs.** In **Allowed Access VLANs** box, you want to put ",2" in the box so its "1,2".

Simply Connected										Model: AN Firmware Vers	IS-4424P ?
Configuration Quick Setup System	Glo	bal VLAN	1 C	onfig	uration						
PoE •	Allowe	d Access VLANs	1,	2							
VLANs Private VLANs	Etheret			A8							
Port Isolation	Ethert	ype for Custom S-por	soc	Ao							
VCL	_										
MAC-based VLAN	Pol	rt VLAN C	or	figur	ation fo	r Sw	itch 1				
Protocol-based VLAN											
IP Subnet-based VLAN				Port			Ingress	Ingress	Egress	Allowed	Forbidden
Spanning Tree	Port	Mode		VLAN	Port Typ	be	Filtering	Acceptance	Tagging	VLANs	VLANs
Green Ethernet	*	<ul> <li></li> </ul>	T	1		T	1	▼	< ▼	1	
Ports ►			-								
DHCP •	1	Access	•	1	C-Port	Ŧ	4	Tagged and Untagger *	Untag All 🔹	1	
Security •	2	Access	T	1	C-Port	Ŧ	1	Tagged and Untagger •	Untag All	1	
Aggregation •			-			_					
Loop Protection IPMC Profile	3	Access	•	1	C-Port	Ŧ	all a	Tagged and Untagger V	Untag All 🔹	1	
MVR	4	Access	•	1	C-Port	v	4	Tagged and Untagger •	Untag All 🔹	1	
IPMC •	-		_		(0.D.)	T		( <b>7</b>	Untag All v		
LLDP •	5	Access	•	1	C-Port	Ψ.	all a	Tagged and Untagger •	Untag All 🔹	1	
MAC Table	6	Access	•	1	C-Port	٣	4	Tagged and Untagger •	Untag All 🔹	1	
Voice VLAN	-	(*	-			T	-	(T	Untag All v		·
QoS 🕨 🗸	7	Access	•	1	C-Port	*	a de la companya de l	Tagged and Untagger 🔻	Untag All 🔹	1	

2. In the **Port VLAN Configuration** table, change all the port's **Port VLAN** to 2, apart from the first port and hit **Save** at the bottom.



### VOLUTION

### LUXUL

Quick Setup												
System	•			P	ort			Ingress	Ingress	Egress	Allowed	Forbidde
PoE	•	Port	Mode		AN		Port Type	Filtering	Acceptance	Tagging	VLANs	VLANs
VLANs	_	*	<ul> <li>•</li> </ul>	1			, T		<ul> <li>T</li> </ul>	• • •	4	1
Private VLANs	•					C	• •		· ·	· ·		
Port Isolation		1	Access •	1		C	-Port 🔻	1	Tagged and Untagger •	Untag All 🔹	1	
VCL	•					-						
MAC-based VLAN		2	Access •	2		C	-Port 🔻	4	Tagged and Untagger V	Untag All 🔹	2	
Protocol-based VLAN	•	3	Access •	2		6	-Port 🔻	4	Tagged and Untagger •	Untag All	2	1
IP Subnet-based VLAN		3	Access	<u> </u>			-Folt *		ragged and Ontagger .	Unitag Ali	2	
Spanning Tree	•	4	Access •	2		C	-Port 🔹	A.	Tagged and Untagger •	Untag All 🔹	2	
Green Ethernet	•	-	(	2		6	D		T I III -	(11.1 All -	2	
Ports	•	5	Access •	2		C	-Port 🔻	all a	Tagged and Untagger V	Untag All 🔹	2	
DHCP	•	6	Access •	2		C	-Port 🔻	4	Tagged and Untagger •	Untag All	2	1
Security	•	-				-						
Aggregation	•	7	Access •	2		C	-Port 🔻	4	Tagged and Untagger V	Untag All 🔹	2	
Loop Protection		8	Access	1			-Port 🔻	1	Terrer d and Haterson w	Untag All	2	1
IPMC Profile	•	•	Access	<u> </u>		6	-Port *	4	Tagged and Untagger •	Untag Ali	2	
MVR		9	Access •	2		C	-Port v	4	Tagged and Untagger	Untag All 🔹	2	
IPMC	•					-			00			
LLDP	•	10	Access •	2		C	-Port 🔻	4	Tagged and Untagger •	Untag All 🔹	2	
MAC Table		11	Access	2		6	-Port 🔻	4	Tagged and Untagger •	Untag All	2	1
Voice VLAN	•		ALLESS	<u>۲</u>			FUIL	<u>.</u>	ragged and Ontagger *	Unitag All	۷	J [
QoS	<b>•</b> •	12	Access T	2		6	-Port v	1	Tennetal I bac bennet	Untag All	2	

3. you need to enable IGMP Snooping for the VLAN2, go to Configuration->IPMC->IGMP Snooping->VLAN Configuration. select Add New IGMP VLAN, set VLAN ID to 2 and tick the Snooping Enabled Box. Then Save.



### 

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

VLANs Private VLANs	•												Refresh	<< >>
Port Isolation		IGIN	P SI	noopii	ng vi	AN Config	uration							
VCL	v													
MAC-based VLAN		Start fror	n VLAN	1		with 20	entries per page	e.						
Protocol-based VLAN	•													
IP Subnet-based VLAN		Delete	VLAN ID	Snooping Enabled	Querier Election	Querier Address	Compatibility		PRI	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI (sec
Spanning Tree	•	Delete		Linubicu	Licotion	Querier Address	Company		110		4. (300)	300)	3007	
Green Ethernet	•		1			0.0.0.0	IGMP-Auto	al	0	2	125	100	10	4
Ports	•	-	· ·			0.0.0.0	TOWN -Auto .	-		2	125			L
DHCP	•		-	_	_		(	5		-				
Security	Þ		2	<ul><li>✓</li></ul>	1	0.0.0	IGMP-Auto		•	2	125	100	10	1
Aggregation	Þ													
Loop Protection		Add Nev	V IGMP V	/LAN										
IPMC Profile	•	Save	Posot											
MVR		Save	teset											
IPMC	•													
IGMP Snooping	•													
Basic Configuration														
VLAN Configuration														
Port Filtering Profile														
MLD Snooping	•													
LLDP	•													
MAC Table														
Voice VLAN	•													
0.09	L 7													

4. While on the **IGMP Snooping VLAN Configuration**, you want to delete VLAN1 entry, if you have it, select the **Delete Tick box** and **Save**.

QoS

#### LUXUL Model: AMS-4424P ? VLANs. Refresh |<< >> Private VLANs **IGMP Snooping VLAN Configuration** Port Isolation VCL with 20 Start from VLAN 1 entries per page MAC-based VLAN Protocol-based VLAN . VLAN Snooping ID Enabled QRI (0.1 LLQI (0.1 Querier IP Subnet-based VLAN Delete Election Querier Address Compatibility PRI RV QI (sec) sec) sec) URI (sec) Spanning Tree Green Ethernet IGMP-Auto • 0 • 2 2 1 1 0.0.0.0 125 100 10 1 Ports DHCP Add New IGMP VLAN Security ۲ Aggregation Save Reset Loop Protection IPMC Profile MVR IPMC IGMP Snooping Basic Configuration VLAN Configur Port Filtering Profile MLD Snooping LLDP MAC Table Voice VLAN

 Add an IP Interface to VLAN2, go to Configuration->Quick Setup->System->IP. Make sure Mode in IP Configuration is set to router. Click Add Interface and in the new row you want to put 2 in VLAN ID and enter a static IP address from an unused network subnet in the IPv4 sections.

For example, if the main network is 192.168.0.1/24 you could use 192.168.1.1/24 or 192.168.10.1/24. Here, I am using 192.168.22.1 in the **Address** and 24 in the **Mask Length**. **Save**.





### 

Configuration	IP C	onfi										
duron botup		UIII	yura									
System •												
Information IP	Mode			Router	•							
NTP	DNS Se	ver 0	No DNS se	erver 🔻								
Time												
Log	DNS Se	rver 1	No DNS se	erver 🔻								
PoE •	DNS Se	ver 2	No DNS se	erver 🔻								
VLANs												
Private VLANs V	DNS Se	rver 3	No DNS se	erver 🔹								
Port Isolation	DNS Pro	xv										
VCL •		· .										
MAC-based VLAN	ID In	4										
MAC-based VLAN Protocol-based VLAN	IP In	terf	aces	;								
	IP In	terf	aces	;								
Protocol-based VLAN  IP Subnet-based VLAN	IP In	terf	aces	DHCPv4		IPv4			DHCPv6	IPv6		
Protocol-based VLAN  IP Subnet-based VLAN Spanning Tree				DHCPv4			Mack Length	Enable			Μ	lask Lenn
Protocol-based VLAN  IP Subnet-based VLAN Spanning Tree ireen Ethernet	Delete		aces Enable	DHCPv4 Fallback	Current Lease	Address			Rapid Commit	IPv6 Address	M	lask Leng
Protocol-based VLAN  IP Subnet-based VLAN Spanning Tree reen Ethernet orts				DHCPv4			Mask Length	Enable			M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree reen Ethernet orts HCP	Delete	VLAN 1	Enable	DHCPv4 Fallback		Address 172.16.112.108	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree Green Ethernet Ports HCP Becurity F	Delete	VLAN	Enable	DHCPv4 Fallback		Address			Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree Free Ethernet Forts HCP ecurity ggregation F	Delete	<b>VLAN</b> 1 2	Enable	DHCPv4 Fallback		Address 172.16.112.108	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spenning Tree reen Ethernet orts ecurity ggregation ggregation op Protection	Delete	<b>VLAN</b> 1 2	Enable	DHCPv4 Fallback		Address 172.16.112.108	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree Freen Ethernet Ots HCP ecurity gregation protection MC Profile VR	Delete	VLAN 1 2 rface	Enable	DHCPv4 Fallback		Address 172.16.112.108	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree Freen Ethernet HCP gregation oop Protection MC Profile VR	Delete	VLAN 1 2 rface	Enable	DHCPv4 Fallback		Address 172.16.112.108	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree Freen Ethernet orts HCP security security Security Protection MC Profile VR MC MC T	Delete	VLAN 1 2 rface	Enable	DHCPv4 Fallback		Address 172.16.112.108	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree reen Ethernet orts orts orts orts ort gregation gregation opo Protection WC Profile VR MC GMD Snooping F Basic Configuration	Add Inte	vLAN 1 2 face	Enable	DHCPv4 Fallback	Current Lease	Address 172.16.112.108 192.168.22.1	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree reen Ethernet orts HCP ecurity ecurity ecurity ecurity ecurity MC Profile WC Frofile GMP Snooping VLAN Configuration VLAN Configuration VLAN Configuration	Add Inte	vLAN 1 2 face	Enable	DHCPv4 Fallback 0	Current Lease	Address 172.16.112.108 192.168.22.1	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree reen Ethemet ots HCP ecurity gregation op Protection MC Profile NVR MC GMD Snopping YLAN Configuration Port Filtering Profile	Add Inte	VLAN 1 2 face OUT( Netwo	Enable	DHCPv4 Fallback 0	Current Lease	Address 172.16.112.108 192.168.22.1	16		Rapid Commit		M	lask Leng
Protocol-based VLAN IP Subnet-based VLAN Spanning Tree Ports Ports Ports Ports Ports Ports Portection PMC Profile PMC PMC VLAN Configuration VLAN Configuration VLAN Configuration	Add Inte IP R Delete	VLAN 1 2 face OUTC	Enable	DHCPv4 Fallback 0	Current Lease	Address 172.16.112.108 192.168.22.1	16		Rapid Commit		M	lask Leng

- As shown in the last image, you want to set a static IP for VLAN1 just like you did in the previous step. Make sure that the IP Address you use isn't already in use. Afterwards click the Save.
   Note: this will cause you to lose connection until you reconnect with the new IP address.
- 7. Add a static route to the main router by clicking **Add Route**. Put **0.0.0.0** in the **Network** section, **0** in the **Mask Length** section and the IP Address of the main router in your network in the **Gateway** section. After, click **Save**.



#### VOLUTION LUXUL Model: AMS-4424P Firmware Version: v4.1.3 DNS Server 2 No DNS server V Configuration ۳ DNS Server 3 No DNS server • Quick Setup . Green Ethernet DNS Proxy . Ports DHCP IP Interfaces Server Mode DHCPv4 IPv4 DHCPv6 IPv6 Excluded IP Pool Mask Length Current Lease Rapid Commit Current Lease Mask Snooping Delete VLAN Enable Fallback Address Enable Address Length Relay 0 172.16.112.108 16 1 Security Aggregation • 2 0 192.168.22.1 24 Loop Protection Add Interface IPMC Profile . MVR IPMC **IP Routes** LLDP • MAC Table Delete Network Mask Length Gateway Next Hop VLAN Voice VLAN . QoS . 0.0.0.0 172.16.0.1 0 0 Mirroring UPnP Add Route GVRP

8. Enable the DHCP Server by going to Configuration->DHCP->Server->Mode. Change Global Mode to Enable and click Add VLAN Range, put 2 in both boxes under VLAN Range. Click the Save.

Stack

Save Reset

<pre>bbcc bcbc bcbc bcbc bcbc bcbc bcbc bcb</pre>	<b>UL</b> ected						Model: AMS-4424P Firmware Version: v4.1.3	?
Add VLAN Range     Save Reset		Clobal Mode		le Config	guration			
Add VLAN Range     Save Reset		Delete		Mode				
Add VLAN Range Save Reset			-					
Add VLAN Range Save Reset			2	Enabled				
Save Reset	•							
		Add VLAN Range	2					
		•						
		Save Reset						
14		•						
14								
14		•						
14		•						
14								
14								
14					1.4			
					14			



VOLUTION

Configuration Quick Setup Green Ethernet	•	DHCP S	erver Excluded IF
Ports	•	Excluded IP /	Address
DHCP Server	Ţ	Delete	IP Range
Mode			192.168.22.1 - 192.168.22.10
Excluded IP			132.100.22.1 - 132.100.22.10
Pool		Add IP Range	
Snooping			
Relay			
Security	•	Save Reset	
Aggregation	×		
Loop Protection IPMC Profile			
MVR			
IPMC			
LLDP			

10. Make a pool for the DHCP Server, go to **Configuration->DHCP->Server->Pool.** Click **Add New Pool,** Enter **EVO-IP-Pool** for the **Name** and then **Save**.



### 

Model: AMS-4424P ?

Configuration		Sonvor E		opfique	ration	
uick Setup		Server F		migu	ration	
reen Ethernet	•					
Ports	Pool Setting	g				
DHCP	•					
Server	•		_		Subnet	
Mode	Delete	Name	Туре	IP	Mask	Lease Time
Excluded IP		EVO-IP-Pool	-	-	-	1 days 0 hours 0 minutes
Pool						•
Snooping	Add New Pool					
Relay						
Security	•					
Aggregation	Save Reset					
Loop Protection	ouve reser					
IPMC Profile	•					
MVR						
IPMC	•					
LLDP	•					
MAC Table						
Voice VLAN	•					

11. Click the EVO-IP-Pool name and in the new page you want to do the following,

- a. Type set to Network
- b. IP and Subnet Mask must be the same as the Network you chosen for VLAN2 in step 5.
- c. The first **Default Router** is set to the IP address you used in step 5
- d. Hit **Save** at the bottom



#### LUXUL Simply Connected

Configuration	Name	EVO-IP-Po	ol 🔹					
Quick Setup	•							
Green Ethernet	Setting	g						
Ports	•							
DHCP	Pool Na	ame	EVO-IP-Pool					
Server	Type	Туре		Network				
Mode	Type							
Excluded IP	IP		192.168.22.0	)				
Pool	Cubact			٥				
Snooping	Subnet Mask		255.255.255	.0				
Relay			1	days (0-365)				
Security	•							
Aggregation	Lease	Time	0	hours (0-23)				
Loop Protection			0	minutes (0-59)				
IPMC Profile	•		0	minutes (0-55)				
MVR		ast Address						
IPMC	•				_			
LLDP	•		192.168.22.1					
MAC Table				0.0.0.0				
Voice VLAN	Default	Router	0.0.0.0					
QoS	•		0.0.0					
Mirroring								
UPnP			0.0.0.0					
GVRP	•		0.0.0.0					
Stack					_			
sFlow			0.0.0.0					
UDLD	DNS S	erver	0.0.0.0					
Monitor	•		0.0.0.0					
Quick Setup Green Ethernet	•		0.0.0.0					
			<u></u>					
Ports State	• Client I	dentifier	None	•				
	Client	dentifier						
Traffic Overview								
QoS Statistics Detailed Statistics	Hardwa	are Address						
DHCP	Client N	vame						
Security LACP		10.0						
	Advanc	ed Options						
Loop Protection MVR	► ▼ Save	<b>D</b>						

12. Save your changes by going to Administration->Configuration->Save Startup-Config. Click the Save Configuration.







13. The switch is now configured. You need to add a static route to the main router to tell all traffic that's bound for the network you pick for vlan2 to head to the switch.

