# Enable SNMP on HP Switches

## **Enable SNMP on HP-2500+ Switches**

This tutorial also works on switches 3500,3800 Connect to the console or ssh with administrative rights and go to configuration with the following command:

#### сору

configure terminal

To configure your SNMP community, use this command (replace "<votre communauté>"with the command of your choice).

#### сору

snmp-server community "<votre communauté>" Operator

You can then specify location and contact information using these commands:

#### сору

snmp-server contact "support"
snmp-server location "rack de devellopement"

And that's it, SNMP maintenance is enabled. You can apply the pattern "default\_snmp\_hp\_switch" or default\_gesa\_snmp\_hp\_switch".

### **Enabling SNMP on HP-1910 switches**

Go to the switch's web interface by typing its IP in the URL. Go to the menu « (1)Device  $\Rightarrow$  (2)SNMP ».

You will arrive on the tab « (3)Setup » :

						Court 11-1
vice > SNMP	3 Setup Community Group	User Tran Viev	1			Save   Hel
lizard						
tack	SNMP	Enable	Disable			
ummarv	Local Engine ID	8000000E	03D07E28AE5AE3		*(10-64 Hex Chars.)	
ice 1	Maximum Packet Size	1500			*Bytes(484-17940, Default = 1500)	
Basic	Contect	example/	example com		*(1-255 Chare )	
Device Maintenance	Contact	example@	example.com		(2200 0100.)	
System Time	Location	Val-Benoi			*(1-255 Chars.)	
Syslog	SNMP Version	<b>V</b> 10	× 1/20	<b>N</b> 102		
Configuration		- *1	- 120	- 13		
ile Management						
rt Management	Note: If you disable SNMP, all SNMP related	configurations will not be save	1.			
ort Mirroring	Items marked with an asterisk(*) are required	1				
lsers					Apply Cancel	
oopback					SNMD Statistics	Count
T	Messages delivered to the SNMP entity				Sivier Statistics	O
ow Interval	Messages which were for an unsupported v	ersion				0
orm Constrain	Messages which used a SNMP community	name not known				0
	Messages which represented an illegal ope	ration for the community supplie	ed			0
ann Caulan	ASN.1 or BER errors in the process of decor	dina				0
ergy saving	MIB objects retrieved successfully					0
	MIB objects altered successfully					0
terface Statistics	GetRequest-PDU accepted and processed					0
rk	GetNextRequest-PDU accepted and proces	sed				0
	SetRequest-PDU accepted and processed					0
ILICALION	Messages passed from the SNMP entity					0
nercation	SNMP PDUs which had tooBig error-status	(Maximum packet size 1500)				0
ity						0
ity	SNMP PDUs which had noSuchName error	-status				•
rity	SNMP PDUs which had noSuchName error SNMP PDUs which had badValue error-stat	-status us				0

Check the box « Enable »box, fill in the « Contact » and « Location ». Tick the SNMP versions you wish to activate.

#### Then click on « Apply ».

#### In the « View » :

View Name				
viewivanie	Search Advanced Search			
	Rule	MIB Subtree OID	Subtree Mask	Operation
				😰 🗓 🔤
Included		1		<b>P</b>
Excluded	l .	1.3.6.1.6.3.15		😰 🗓
Excluded	l i i i i i i i i i i i i i i i i i i i	1.3.6.1.6.3.16		😰 🗓
Excluded	l .	1.3.6.1.6.3.18		p 🗎
	Included Excluded Excluded Excluded	Rule Included Excluded Excluded Excluded	Rule         MIB Subtree OID           Included         1           Excluded         1.3.6.1.6.3.15           Excluded         1.3.6.1.6.3.16           Excluded         1.3.6.1.6.3.16	Rule         MIB Subtree OID         Subtree Mask           Included         1         1           Excluded         1.3.6.16.3.15         1           Excluded         1.3.6.16.3.16         1           Excluded         1.3.6.16.3.16         1

Here you can create views, which are sets of rules for including or excluding MIB elements in our supervision via their OID. The « ViewDefault » view includes OID 1, i.e. all the elements of this MIB (since it is a hierarchical system) except for the 3 excluded OIDs.

For this tutorial, we are going to use this « ViewDefault ». You can therefore go directly to « Ajouter une communauté SNMP ».

### Add an SNMP community (SNMP v1/v2c)

#### In the « Community » :

Setup	Community Group User Trap V	iew										
٩	Community Name V Search Advanced Search											
	Community Name Access Right MIB View ACL Opera											
		Add	Delete Selected									

Click on « Add ». New fields will appear:

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Setup		Group	User	Trap	View		
Add SNMP (	Community						
Community	Name					esia	*(1-32 Chars.)
Access Rig	ht					Read only 🗸	
View						ViewDefault 🗸	
ACL							(2000-2999)
Items marke	d with an asterisk(*)	are required	l				
							Apply Cancel

- **Community Name**Give the name of the SNMP community.
- Access RightChoose the type of access (leave « read-only » because ESIA does not use write).
- **View**Select the view you wish to use with this community.

Then click on « Apply ».

That's it, SNMP is now configured for versions v1 and v2c.

**Don't forget to click on « Save » at the top right.** Otherwise your configuration will be lost when the switch is rebooted.

Setup         Community         Group         User         Trap         View           Q         Community Name V         Search         Advanced Search           Community Name V         Search         Advanced Search           Community Name V         Access Right         MiB View         ACL         Operation					Save Help   Logo
Community Name v         Search         Advanced Search           Community Name         Access Right         MIB View         ACL         Operation	Setup Community Group User Trap V	hity Group User Trap View			
Community Name Access Right MIB View ACL Operation	Community Name V Search	Community Name V Search Advanced Search			
	Community Name	Community Name Access Right	MIB View	ACL	Operation
esia Read only ViewDefault 😭 🗓	esia	Read only	ViewDefault		r 🗊
Add Delete Selected		Add	Delete Selected		

For more details: </ignore> HP Support - See the tutorial on configuring SNMP v1/v2c.

### If you wish to configure SNMP v3

It is not necessary to use SNMP v3 with ESIA. However, if you do want to enable it, you should know that in ESIA you can only configure your nodes for SNMP v3 by adding them manually (See Adding nodes manually). Via a network scan, you can only configure in v1 or v2c.

In the « Group » :

Setup	Community	roup L	Jser Ti	rap View						
٩	C	roup Name	✓ Sear	rch Advance	d Search					
	Group Na	1e		Secu	rity Level	Read View	Write View	Notify View	ACL	Operation
						Add Delete Sel	ected			

Click on « Add ». New fields appear:

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Setup	Community	Group	User	Trap	View									
Add SNMP G	iroup													
Group Name	9				esia		*(1-32 Chars.)							
Security Lev	rel				NoAut	h/NoPriv 🗸								
Read View					ViewD	efault 🗸								
Write View						~								
Notify View						~								
ACL							(2000-2999)							
Items marked	with an asterisk(	) are required												
								Apply	Cancel					

- **Group Name**Give the group a name.
- Security LevelChoose the security mode.
  - NoAuth/NoPriv: no security.
  - Auth/NoPriv: authentication by user and password.
  - Auth/Priv: authentication by user and password + encrypted communication.
- **Read View, Write View, Notify View**Choose the view to be used for access in « Read, Write et Notify » access (here we are using the « ViewDefault » view for Read accesses only).

Then click on « Apply ».

In the tab « User » :

Setup	Community Group User Tra	up View										
٩	User Name   Search Advanced Search											
	User Name	Group Name	Authentication Mode	Authentication Mode Privacy Mode ACL Operation								
			Add Delete Selected									

#### Click on « Add ». New fields appear:

Setup	Community	Group	User	Trap	View				
Add SNMP	User					 	 (		
User Name	9						esia		*(1-32 Chars.)
Security Le	evel						NoAuth/NoPriv	~	
Group Nan	ne						esia ( NoAuth/NoF	riv) 🗸	
Authentica	tion Mode						MD5	~	
Authentica	tion Password								(1-64 Chars.)
Confirm Au	thentication Passw	vord							(1-64 Chars.)
Privacy Mo	de						DES56	~	
Privacy Pa	ssword								(1-64 Chars.)
Confirm Pr	ivacy Password								(1-64 Chars.)
ACL									(2000-2999)
Items marke	d with an asterisk(*	*) are require	d						
							Apply	Cancel	1

• User NameGive the user a name.

- **Security Level**Choose the security mode.
- **Group Name**Choose the name of the group (the one created previously and linked to the view you wish to use).
- Authentication Modelf security mode « Auth » is selected, choose the Hash algorithm to use (MD5 or SHA).
- Authentication PasswordType a password for authentication. Confirm the password.
- **Privacy Mode**If security mode « Priv » is selected, choose the encryption mode (DES56, AES128 or 3DES).
- **Privacy Password**Type a password for encryption. Confirm the password.

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Then click on « Apply ».

That's it, SNMP is now configured for version v3.

**Don't forget to click on « Save » at the top right.** Otherwise your configuration will be lost when the switch is rebooted.

Operation
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# More information

</ignore> HP Support - See the SNMP v3 configuration tutorial.

For more information on HP-1910 Switches : </ignore> See HP-1910 support.

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