

How to Enable SNMPv3 on Dell X Series Switches - Web Interface GUI & CLI

Submitted by ingram on Mon, 12/17/2018 - 6:44pm

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This tutorial will walk you through step by step on how to enable secure SNMPv3 on a Dell X1052 switch, although this will work on any of the X series switches. We'll show you exactly what to enable in the web interface as well as the equivalent command line terminal commands.

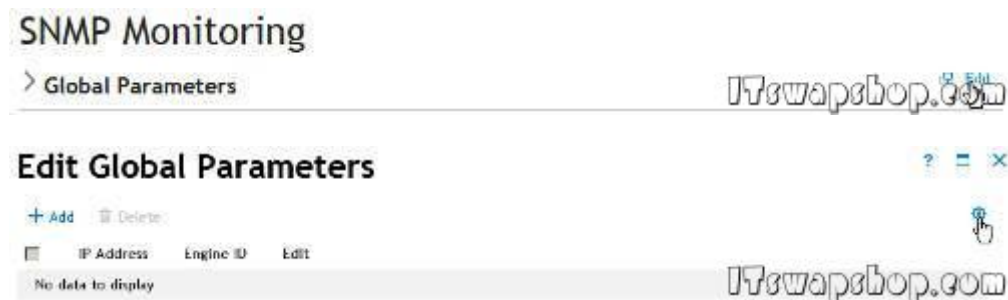
CLI Commands:

Enter these four lines:

- ***snmp-server engineID local 800002a203e4f00483ae0e***
- ***snmp-server contact "Server Rack"***
- ***snmp-server group ITswapshop v3 priv read Default***
- ***snmp-server user ITswapshopUser ITswapshop v3 auth sha ITswapshop.com!!!
priv ITswapshop.com123!***

GUI Web Interface:

To begin, go to Network Administration > SNMP Monitoring. On the right, click Edit next to Global Parameters. Click the Gear icon on the right of the Edit Global Parameters window. Set the Local Engine ID Type to Default and set SNMP Notifications, Traps, & Authentication Notifications to Enabled and then click OK. If you click back on the Gear icon, you'll notice the Local Engine ID field is now configured with the default Engine ID and the Local Engine ID Type is set to User-Defined:



Global Parameters

Local Engine ID Type None Default User-defined

Local Engine ID 10-64 Hex Characters

SNMP Notifications Enabled Disabled

Traps Enabled Disabled

Authentication Notifications Enabled Disabled

ITswapshop.com

On the SNMP Monitoring page, click the Edit button to the right of Access Control. Click Add on the Edit Access Control window. On the Add Access Control window, set the following options:

- Group Name: ITswapshop
- Security Model: SNMPv3
- Security Level: AuthPriv
- Check Read Operation and leave it set to Default

SNMP Monitoring

> Global Parameters [Edit](#)

> View Setting [Edit](#)

> Access Control [Edit](#)

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Edit Access Control

[+ Add](#) [Delete](#)

<input type="checkbox"/>	Group Name	Security Model	Security Level
No data to display			

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Add Access Control

Group Name 1-30 Characters

Security Model SNMPv1 SNMPv2 SNMPv3

Security Level No Authentication No Priv AuthPriv

Read Operation

Write Operation

Notify Operation

On the SNMP Monitoring page, click the Edit button to the right of User Security Model. Click Add on the Edit User Security Model window. Enter the following information:

- User Name: ITswapshopUser
- Engine: Local
- Group Name: [Should be already set to group created earlier]
- Authentication Method: SHA Key
- Authentication Password: ITswapshop.com!!!
- Privacy Method: DES
- Privacy Password: ITswapshop.com123!

SNMP Monitoring

> Global Parameters	Edit
> View Setting	Edit
> Access Control	Edit
> User Security Model	Edit

Edit User Security Model

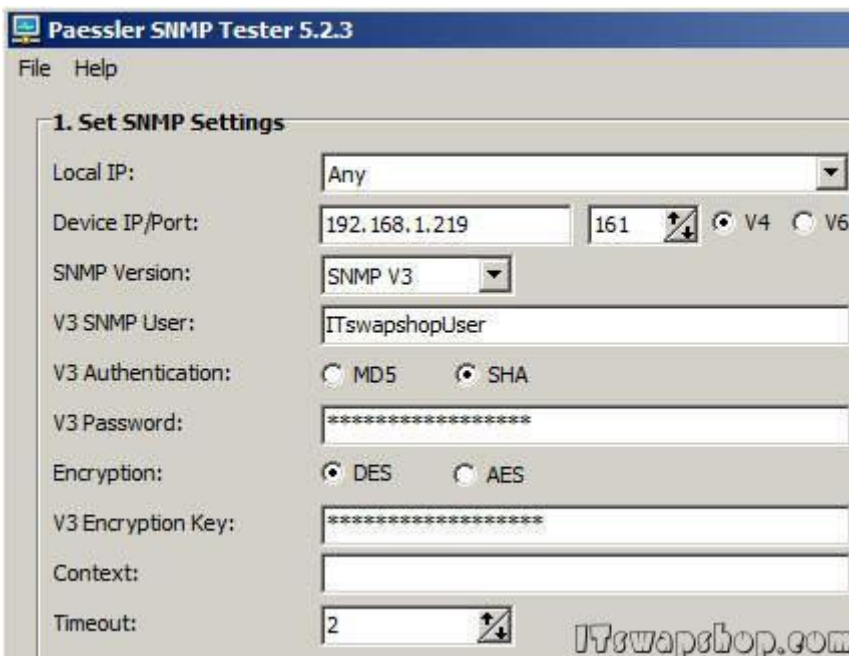
[+ Add](#) [Delete](#)

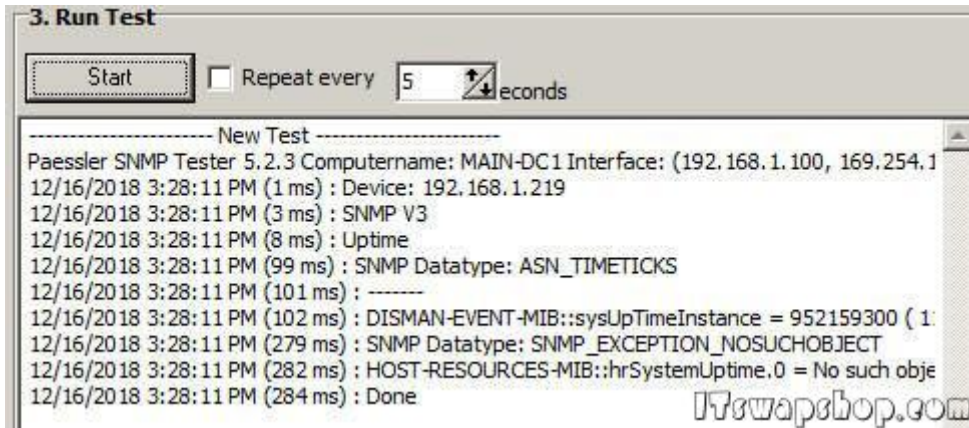
<input type="checkbox"/>	User Name	Engine ID	Group Name	Authentication	Edit
No data to display					

Add User Security Model

User Name	<input type="text" value="ITswapshopUser"/>	1-30 Characters
Engine	<input checked="" type="radio"/> Local <input type="radio"/> Remote	
Remote Engine ID	<input type="text"/>	
Group Name	<input type="text" value="ITswapshop"/>	
Authentication Method	<input type="radio"/> None <input type="radio"/> MD5 Key <input checked="" type="radio"/> SHA Key	
Authentication Password	<input type="text" value="....."/>	1-32 Characters
Privacy Method	<input type="radio"/> None <input checked="" type="radio"/> DES	
Privacy Password	<input type="text" value="....."/>	

That's it! You now have a secure SNMPv3 setup. If you would like to test it, you can verify everything is working properly the free [Paessler SNMP Tester](#) ^[1] tool. Match the settings as seen below and set it to check the Uptime. If successful, you'll see the uptime returned to you in the results:





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Source URL: <http://www.itswapshop.com/tutorial/how-enable-snmpv3-dell-x-series-switches-web-interface-gui-cli>

Links:

[1] <https://www.paessler.com/tools/snmptester>