



D-View 7 Configuration Guide (Part II)

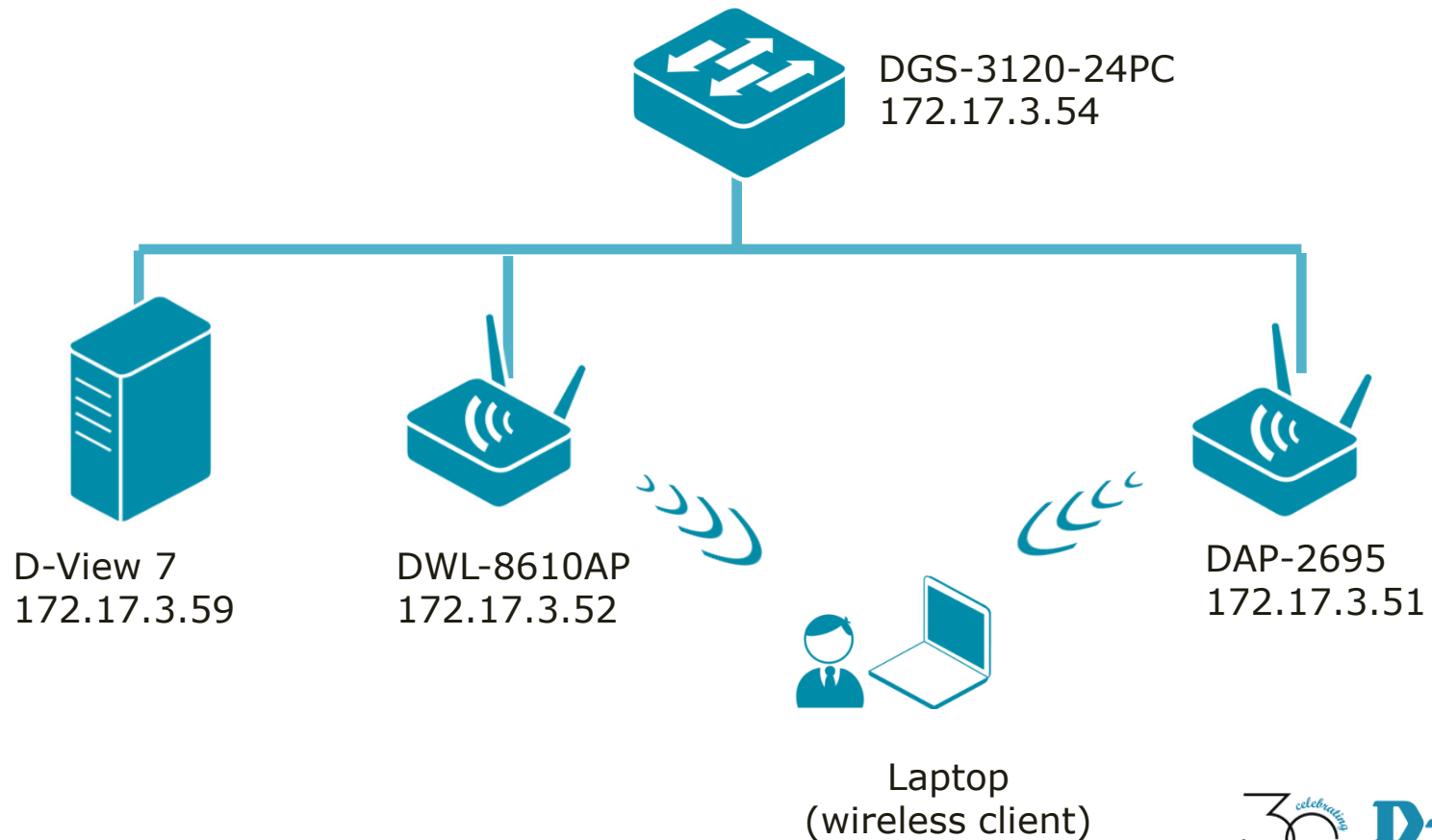
D-Link Academy

Preface

- Objective: The documentation presents D-View 7 syslog and trap log configuration examples
- Pre-requisite: Please refer to “D-View 7 Setup Guide” for D-View 7 installation
- Equipment consists of
 - D-View 7 (installed in a Win7 64-bit notebook)
 - DGS-3120-24PC *1
 - DAP-2695 *1
 - DWL-8610AP *1
 - Laptop with wireless connections *1
- Network Topology and IP address management are shown in next slide

Network Topology

- Network Topology



Configuration Guide

- Monitored Device Configuration
- Syslog
- Environmental Traps
- Configuration Traps
- SNMP Traps
- PoE Status
- Device Management Information

Configuration Guide

- **Monitored Device Configuration**
- Syslog
- Environmental Traps
- Configuration Traps
- SNMP Traps
- PoE Status
- Device Management Information

SNMP Community Configuration

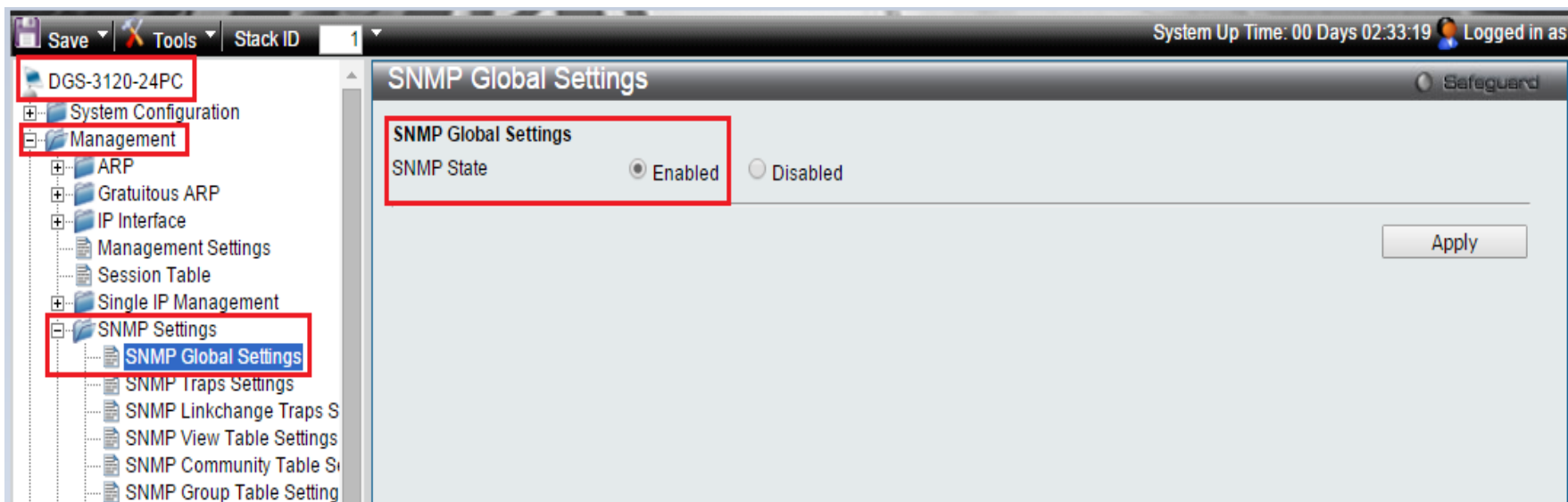
Monitored Device's SNMP community configuration

- SNMP version 1 and 2
- SNMP Read-Only (RO) Community: public
- SNMP Read-Write (RW) Community: private
- SNMP Port Number: 161
- Trap Server: 172.17.3.59 (D-View 7)

Monitored Device Configuration

DGS-3120 (Web GUI config.)

- SNMP Global Settings (please refer below screenshot image)



Monitored Device Configuration

DGS-3120 (Web GUI config.)

- SNMP Traps Settings (please refer below screenshot image)

The screenshot displays the web management interface for a DGS-3120-24PC switch. The left sidebar shows a tree view of configuration categories: System Configuration, Management, ARP, Gratuitous ARP, IP Interface, Management Settings, Session Table, Single IP Management, and SNMP Settings. The 'SNMP Settings' folder is expanded, showing sub-items like SNMP Global Settings, SNMP Traps Settings, and various trap-specific settings. The 'SNMP Traps Settings' page is active, showing a table of settings:

Setting	Enabled	Disabled
SNMP Traps	<input checked="" type="radio"/>	<input type="radio"/>
SNMP Authentication Trap	<input checked="" type="radio"/>	<input type="radio"/>
Linkchange Traps	<input checked="" type="radio"/>	<input type="radio"/>
Coldstart Traps	<input checked="" type="radio"/>	<input type="radio"/>
Warmstart Traps	<input checked="" type="radio"/>	<input type="radio"/>

An 'Apply' button is located at the bottom right of the configuration area. The top status bar indicates 'System Up Time: 45 Days 01:44:54' and 'Logged in as Safeguard'.

Monitored Device Configuration

DGS-3120 (Web GUI config.)

- SNMP Community Table (please refer below screenshot image)

The screenshot displays the 'SNMP Community Table Settings' page in the DGS-3120 Web GUI. The left sidebar shows a tree view with 'SNMP Community Table S' selected. The main area contains an 'Add Community' form with fields for 'Community Name', 'View Name', and 'Access Right' (set to 'Read Only'). Below the form is a table with 2 entries:

Community Name	View Name	Access Right	
private	CommunityView	read_write	Delete
public	CommunityView	read_only	Delete

Monitored Device Configuration

DGS-3120 (Web GUI config.)

- Configuration Trap Settings (please refer below screenshot image)

The screenshot displays the web management interface for a DGS-3120-24PC switch. The top navigation bar includes 'Save', 'Tools', and 'Stack ID' (set to 1). The system status shows 'System Up Time: 00 Days 00:08:22' and 'Logged in as Safeguard'. The left sidebar shows a tree view of configuration categories, with 'Configuration Trap Settings' selected and highlighted in a red box. The main content area, also titled 'Configuration Trap Settings' and highlighted in a red box, contains three settings:

Setting	Enabled	Disabled
Save Configuration Trap	<input checked="" type="radio"/>	<input type="radio"/>
Upload Configuration Trap	<input checked="" type="radio"/>	<input type="radio"/>
Download Configuration Trap	<input checked="" type="radio"/>	<input type="radio"/>

An 'Apply' button is located at the bottom right of the configuration area.

Monitored Device Configuration

DGS-3120 (Web GUI config.)

- System Log Server (please refer below screenshot image)

The screenshot shows the web configuration interface for a DGS-3120-24PC switch. The left sidebar contains a tree view of configuration categories, with 'System Configuration' and 'System Log Server Settings' highlighted. The main content area is titled 'System Log Server Settings' and includes a form for adding a new server and a table listing existing servers.

System Log Server Settings

Add System Log Server

Server ID: 1 | Severity: Emergency (0) | Facility: Local 0 | Status: Disabled | UDP Port (514 or 6000-65535): 514

Buttons: Apply, Delete All

System Log Server List

Server ID	Server IP Address	Severity	Facility	UDP Port	Status	
1	172.17.3.5...	Debug (7)	Local 1	514	Enabled	Edit Delete

Input field for IP address: 172.17.3.59

Monitored Device Configuration

DGS-3120 (Web GUI config.)

- System Log (please refer below screenshot image)

The screenshot displays the web configuration interface for a DGS-3120-24PC switch. The left sidebar shows a tree view of configuration options, with 'System Configuration' and 'System Log Configuration' highlighted. The main area shows the 'System Log' configuration page, which includes a 'Log Type' dropdown set to 'Severity', a 'Module List' field, and a table of log entries. The table shows a total of 8516 entries, with the first few entries listed below.

Index	Time	Level	Log Text
8516	2016-03-03 11:11:16	INFO(6)	Port 1:2 link up, 1000Mbps FULL duplex
8515	2016-03-03 11:07:02	INFO(6)	Port 1:2 link down
8514	2016-03-03 10:21:12	INFO(6)	Port 1:19 link up, 1000Mbps FULL duplex
8513	2016-03-03 10:21:09	INFO(6)	Port 1:19 link down
8512	2016-03-03 10:17:30	INFO(6)	Successful login through Web (Username: Anonymous, IP: 172.17.3.2)
8511	2016-03-03 10:07:00	INFO(6)	Port 1:2 link up, 1000Mbps FULL duplex
8510	2016-03-03 10:06:57	INFO(6)	Port 1:2 link down
8509	2016-03-03 10:06:54	INFO(6)	Port 1:19 link up, 1000Mbps FULL duplex
8508	2016-03-03 10:06:37	INFO(6)	Port 1:2 link up, 100Mbps FULL duplex
8507	2016-03-02 22:35:20	INFO(6)	Port 1:2 link down

Monitored Device Configuration

DGS-3120 (Web GUI config.)

- System Log & Trap (please refer below screenshot image)

The screenshot displays the web management interface for a DGS-3120-24PC switch. The left sidebar shows a tree view of configuration categories, with 'System Configuration', 'System Log Configuration', and 'System Log & Trap Settings' highlighted with red boxes. The main content area is titled 'System Log & Trap Settings' and features two sections, both also highlighted with red boxes:

- System Log Source IP Interface Settings:** Interface Name: System, IPv4 Address: 172.17.3.54. Includes 'Apply' and 'Clear' buttons.
- Trap Source IP Interface Settings:** Interface Name: System, IPv4 Address: 172.17.3.54. Includes 'Apply' and 'Clear' buttons.

The top of the interface shows 'Save', 'Tools', and 'Stack ID' (set to 1) menus, and a status bar indicating 'System Up Time: 45 Days 01:24:30' and 'Logged in as'.

Monitored Device Configuration

DGS-3120 (Web GUI config.)

- In D-View 7, go to Home > Inventory > DGS-3120-24P... (172.17.3.54). Make sure Trap/Syslog status is on.

Dashboard | Inventory | Monitor | Maintenance | System

Home > Inventory > DGS-3120-24P... (172.17.3.54)

DGS-3120-24P... (172.17.3.54) Updated on: 2016-03-03 11:07:00

Overview | Sensors | Monitor Views | **Settings** | Reboot

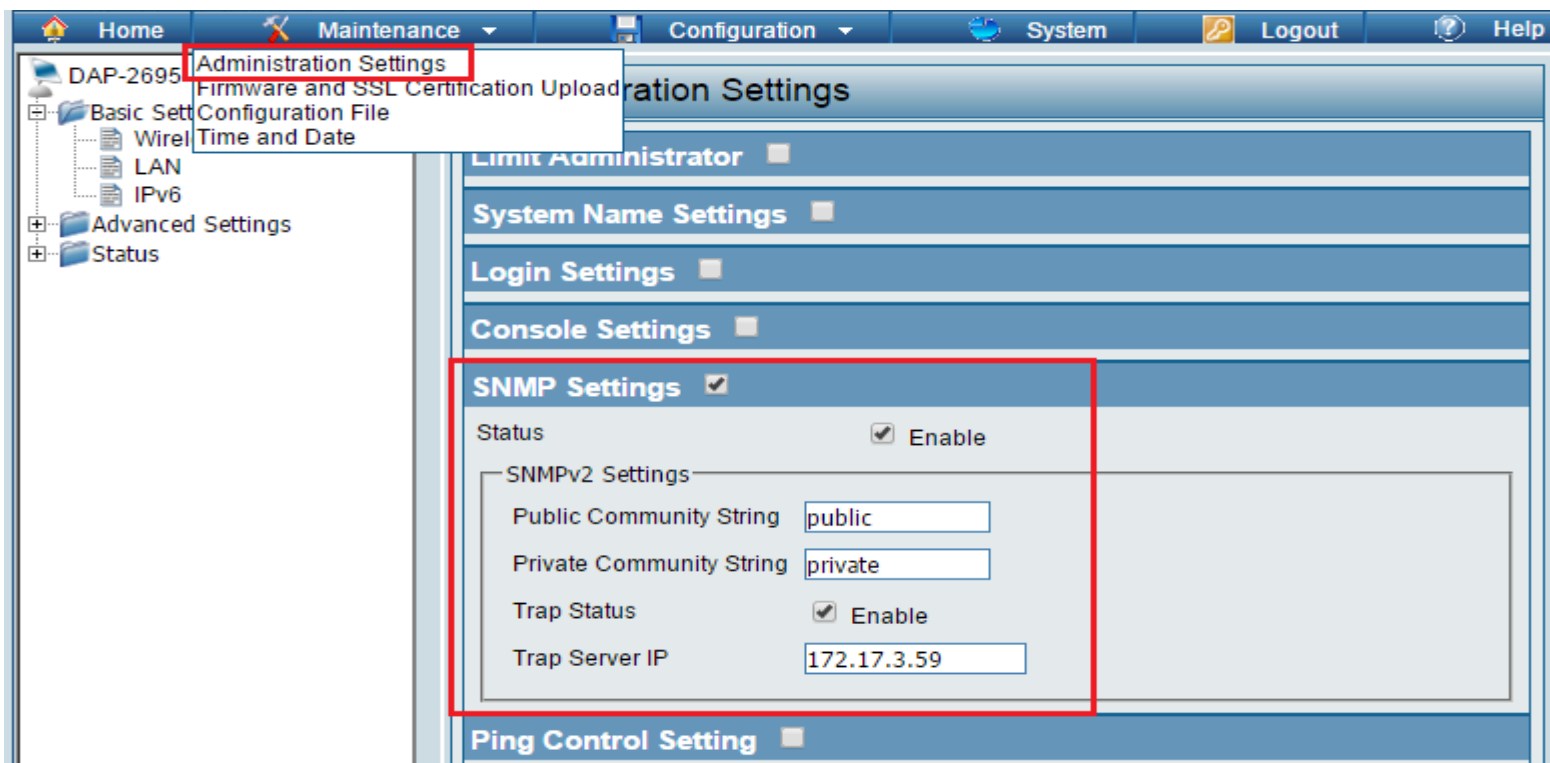
Settings	Status
SNTP / NTP Status	OFF
DHCP Server Status	Not Supported
Trap Status	ON
Syslog Status	ON
Spanning Tree	OFF
LLDP Status	OFF
Safeguard Engine	OFF
POE Status	Port Detail
RMON	Not Supported

Settings	Port	Status
SSH Status	-	OFF
Telnet Status	-	OFF
Web Status	80	ON
HTTPS Web Access Status	-	Not Supported

Monitored Device Configuration

DAP-2695 (Web GUI config.)

- SNMP Settings (please refer below screenshot image)



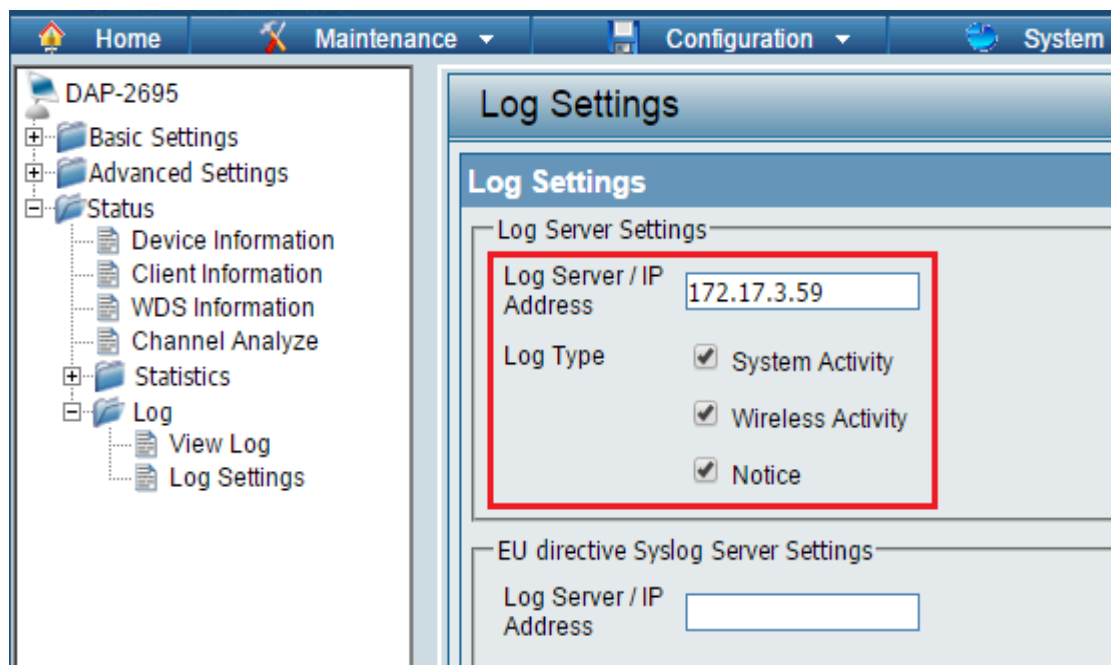
The screenshot displays the web-based configuration interface for a DAP-2695 device. The navigation menu on the left includes Home, Maintenance, Configuration, System, Logout, and Help. The main content area shows the 'Administration Settings' page, which is highlighted in the top navigation bar. The 'Administration Settings' page contains several sections: Limit Administrator, System Name Settings, Login Settings, Console Settings, SNMP Settings, and Ping Control Setting. The 'SNMP Settings' section is highlighted with a red box and contains the following configuration options:

Setting	Value
Status	<input checked="" type="checkbox"/> Enable
SNMPv2 Settings	
Public Community String	public
Private Community String	private
Trap Status	<input checked="" type="checkbox"/> Enable
Trap Server IP	172.17.3.59

Monitored Device Configuration

DAP-2695 (Web GUI config.)

- Log Server Settings (please refer below screenshot image)



Monitored Device Configuration

DAP-2695 (Web GUI config.)

- Wireless settings (please refer below screenshot image)

The screenshot displays the Web GUI configuration interface for a D-Link DAP-2695 device. The left sidebar shows a navigation tree with 'DAP-2695' at the top, followed by 'Basic Settings' (containing 'Wireless', 'LAN', and 'IPv6') and 'Advanced Settings'. The 'Wireless' option under 'Basic Settings' is highlighted with a red box. The main content area is titled 'Wireless Settings' and contains the following configuration options:

- Wireless Band: 2.4GHz
- Mode: Access Point
- Network Name (SSID): dlink_academy (highlighted with a red box)
- SSID Visibility: Enable
- Auto Channel Selection: Enable
- Channel: 11
- Channel Width: 20 MHz
- Authentication: Open System

Below these settings is a section for 'Key Settings':

- Encryption: Disable Enable
- Key Type: HEX
- Key Size: 64 Bits
- Key Index(1~4): 1
- Network Key: [Empty text box]
- Confirm Key: [Empty text box]

A password strength indicator is shown at the bottom: (0-9,a-z,A-Z,~!@#\$\$%^&*()_+`-={[]:\|,./<>?)

Monitored Device Configuration

DWL-8610AP (Web GUI config.)

- SNMP Configuration (please refer below screenshot image)

SNMP Configuration

SNMP Enabled Disabled

Read-only community name (for permitted SNMP get operations) (Range: 1 - 256 characters)

Port number the SNMP agent will listen to (Range: 1025 - 65535, Default: 161)

Allow SNMP set requests Enabled Disabled

Read-write community name (for permitted SNMP set operations) (Range: 1 - 256 characters)

Restrict the source of SNMP requests to only the designated hosts or subnets Enabled Disabled

Hostname, address, or subnet of Network Management System (xxx.xxx.xxx.xxx/Hostname max 255 Characters)

IPv6 hostname, address, or subnet of Network Management System (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx/Hostname max 255 Characters)

Trap Destinations

Community name for traps (Range: 1 - 256 characters)

Enabled	Host Type	Hostname or IP or IPv6 Address
<input checked="" type="checkbox"/>	IPv4	172.17.3.59
<input type="checkbox"/>	IPv4	<input type="text"/>

Monitored Device Configuration

DWL-8610AP in D-View 7

- Inventory > Device settings tab

Dashboard Inventory Monitor Maintenance System C 1 S 15 U 3

Home > Inventory > DWL-8610AP-D... (172.17.3.52)

DWL-8610AP-D... (172.17.3.52) Updated on: 2016-03-02 14:43:03

Overview Wireless Sensors Monitor Views **Settings** Reboot

Settings	Status
SNTP / NTP Status	OFF
DHCP Server Status	Not Supported
Trap Status	Not Supported
Syslog Status	Set D-View as Syslog Server
Operation Mode	Not Supported

Settings	Port	Status
SSH Status	-	ON
Telnet Status	-	ON
Web Status	80	ON
HTTPS Web Access Status	-	ON

Configuration Guide

- Monitored Device Configuration
- **Syslog**
- Environmental Traps
- Configuration Traps
- SNMP Traps
- PoE Status
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What is Syslog?

Common definitions

- System Log
- All system messages or errors are stored
- Allows users to log significant system information to a remote server

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- Emergency
- Alert
- Critical
- Error
- Warning
- Notice
- Informational
- Debug

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- **Emergency**
 - A "panic" condition usually affecting multiple apps/servers/sites. At this level it would usually notify all tech staff on call.
- Alert
- Critical
- Error
- Warning
- Notice
- Informational
- Debug

Time ↕	System Name ▼	IP ↕	Severity ↕	Message
2015-04-13 15:23:20	N/A	172.17.3.37	Emergency	Unable to TCP connect to switch: 172.17.3.4
2015-04-10 14:47:31	N/A	172.17.3.37	Emergency	Receiving data from SSL connection with switch 172.17.3.4 failed

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- Emergency
- **Alert**
 - Should be corrected immediately, therefore notify staff who can fix the problem. An example would be the loss of a primary ISP connection.
- Critical
- Error
- Warning
- Notice
- Informational
- Debug

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- Emergency
- Alert
- **Critical**
 - Should be corrected immediately, but indicates failure in a secondary system, an example is a loss of a backup ISP connection.
- Error
- Warning
- Notice
- Informational
- Debug

Time	System Name	IP	Severity	Message
2015-04-15 17:45:42	DWC-2000	172.17.3.250	Critical	KERNEL [Kernel] I2tunnel_ioctl FAILED 35143
2015-04-15 17:45:42	DWC-2000	172.17.3.250	Critical	KERNEL [Kernel] I2tunnel_ioctl FAILED 35143
2015-04-15 17:45:42	DWC-2000	172.17.3.250	Critical	KERNEL [Kernel] I2tunnel_ioctl FAILED 35312

Syslog Severity Levels

RFC 5424 defines eight severity levels:

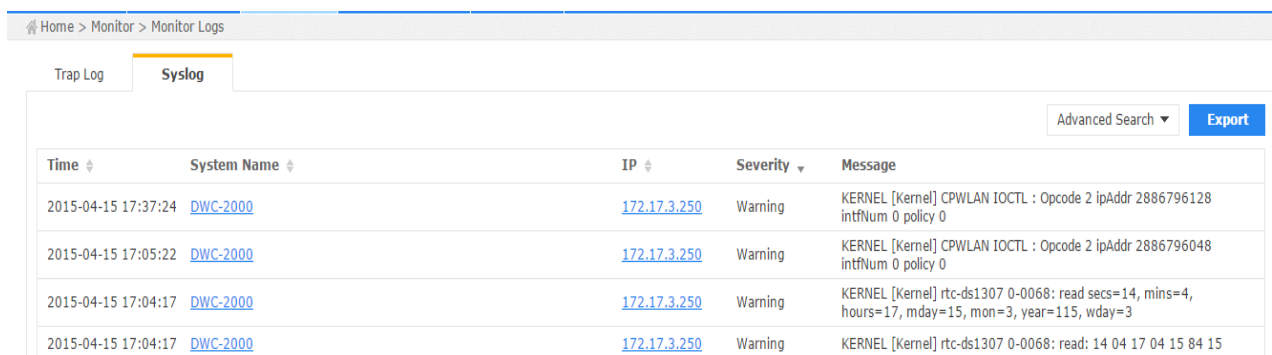
- Emergency
- Alert
- Critical
- **Error**
 - Non-urgent failures, these should be relayed to developers or admins; each item must be resolved within a given time.
- Warning
- Notice
- Informational
- Debug

Time ↕	System Name ↕	IP ↕	Severity ▼	Message
2015-04-14 15:46:59	DWC-2000	172.17.3.250	Error	KERNEL [Kernel] REDIRECT type is 6
2015-04-14 15:46:59	DWC-2000	172.17.3.250	Error	KERNEL [Kernel] assoc_client_policy_get: ipAddr is 2886796062 tablevalue is 2886796062 policy is 5
2015-04-14 15:46:59	DWC-2000	172.17.3.250	Error	KERNEL [Kernel] U got the GET req

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- Emergency
- Alert
- Critical
- Error
- **Warning**



Time	System Name	IP	Severity	Message
2015-04-15 17:37:24	DWC-2000	172.17.3.250	Warning	KERNEL [Kernel] CPWLAN IOCTL : Opcode 2 ipAddr 2886796128 intfNum 0 policy 0
2015-04-15 17:05:22	DWC-2000	172.17.3.250	Warning	KERNEL [Kernel] CPWLAN IOCTL : Opcode 2 ipAddr 2886796048 intfNum 0 policy 0
2015-04-15 17:04:17	DWC-2000	172.17.3.250	Warning	KERNEL [Kernel] rtc-ds1307 0-0068: read secs=14, mins=4, hours=17, mday=15, mon=3, year=115, wday=3
2015-04-15 17:04:17	DWC-2000	172.17.3.250	Warning	KERNEL [Kernel] rtc-ds1307 0-0068: read: 14 04 17 04 15 84 15

- Warning messages, not an error, but indication that an error will occur if action is not taken, e.g. file system 85% full - each item must be resolved within a given time.
- Notice
- Informational
- Debug

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- Emergency
- Alert
- Critical
- Error
- Warning
- **Notice**
- Informational
- Debug

Show Time Period

Time ↕	Severity ▲	Message
2015-04-09 17:22:51	Notice	INFO: Port 9 link up, 1000Mbps FULL duplex
2015-04-09 16:49:42	Notice	INFO: Successful login through Web (Username: Anonymous, IP: 172.17.3.121)
2015-04-09 16:49:38	Notice	INFO: Port 9 link up, 1000Mbps FULL duplex
2015-04-09 16:49:38	Notice	INFO: Successful login through Web (Username: Anonymous, IP: 172.17.3.13)
2015-04-09 16:27:19	Notice	INFO: Port 9 link up, 1000Mbps FULL duplex
2015-04-09 16:27:19	Notice	INFO: Port 7 link down
2015-04-09 16:23:03	Notice	INFO: Configuration saved to flash (Username: SNMPUser, IP: 172.17.3.121)

- Events that are unusual but not error conditions - might be summarized in an email to developers or admins to spot potential problems - no immediate action required

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- Notice

Time ▼	System Name ↕	IP ↕	Severity ↕	Message
2016-03-03 11:29:10	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:28:56	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:26:44	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:22:48	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Successful login through Web (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:20:38	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:9 link up, 1000Mbps FULL duplex
2016-03-03 11:20:34	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:9 link down
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:23 link up, 1000Mbps FULL duplex
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:9 link up, 1000Mbps FULL duplex
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:19 link up, 1000Mbps FULL duplex
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:11 link up, 1000Mbps FULL duplex
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:2 link up, 1000Mbps FULL duplex
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:1 link up, 1000Mbps FULL duplex
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Possible spoofing attack from IP:0.0.0.0, MAC: 00-1C-23-2F-64-D7, port:1:19
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Stacking topology is Chain. Master (Unit 1, MAC: 84-C9-B2-16-R4-70)

Syslog Severity (Notice)

- In D-View 7, the port info notice displays “port number”, “port speed”, and “full/half duplex”
- An example is shown as below

Dashboard Inventory Monitor Maintenance System C 1 S 15 U 3

Home > Monitor > Monitor Logs

Trap Log **Syslog**

Advanced Search Export

Time	System Name	IP	Severity	Message
2016-03-04 09:48:28	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:7 link up, 1000Mbps FULL duplex
2016-03-04 09:48:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:7 link down
2016-03-04 09:48:10	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:7 link up, 1000Mbps FULL duplex
2016-03-04 09:48:06	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:5 link up, 1000Mbps FULL duplex
2016-03-04 09:48:02	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:11 link down

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- Emergency
- Alert
- Critical
- Error
- Warning
- Notice
- **Informational**
 - Normal operational messages - may be harvested for reporting, measuring throughput, etc. - no action required
- Debug

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- **Informational**

Home > Monitor > Monitor Logs

Trap Log **Syslog**

Advanced Search

Time ↕	System Name ↕	IP ↕	Severity ▲	Message
2015-03-30 16:37:29	DWS-4026-DV7	172.17.3.4	Information	APR 30 16:19:01 172.17.3.91-1 TRAPMGR[124813200]: traputil.c(655) 110 %% Entity Database: Configuration Changed
2015-03-30 16:37:29	DWS-4026-DV7	172.17.3.4	Information	APR 30 16:19:01 172.17.3.91-1 TRAPMGR[124813200]: traputil.c(655) 112 %% Link Up: 0/6
2015-03-30 16:37:29	DWS-4026-DV7	172.17.3.4	Information	APR 30 16:19:01 172.17.3.91-1 TRAPMGR[124813200]: traputil.c(655) 109 %% Link Up: 0/1
2015-03-30 16:37:28	DWS-4026-DV7	172.17.3.4	Information	APR 30 16:19:01 172.17.3.91-1 TRAPMGR[92499168]: traputil.c(655) 108 %% Cold Start: Unit: 0

Syslog Severity Levels

RFC 5424 defines eight severity levels:

- Emergency
- Alert
- Critical
- Error
- Warning
- Notice
- Informational
- **Debug**
 - Info useful to developers for debugging the application, not useful during operations.

Time ▼	System Name ↕	IP ↕	Severity ↕	Message
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Debug	CRIT: Unit 1, System started up
2016-03-03 11:20:26	DGS-3120-24PC-DV7	172.17.3.54	Debug	CRIT: Unit 1, System cold start

Syslog display

- Q: In D-View 7, where can we view a list of all Syslog ?
- A: Please go to Menu: Home > Monitor > Monitor Logs

Dashboard Inventory **Monitor** Maintenance System C 1 S 15 U 3

Home > Monitor > Monitor Logs

Trap Log **Syslog**

Advanced Search Export

Time	System Name	IP	Severity	Message
2016-03-03 11:33:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:29:10	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:28:56	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:26:44	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:22:48	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Successful login through Web (Username: Anonymous, IP: 172.17.3.2)

Syslog display

- Q: What are the searching criteria of Syslog in D-View 7 Monitor Logs?
- Ans: We can search by Time, System Name, IP, and Severity

The screenshot shows the D-View 7 Monitor Logs interface. The navigation menu includes Dashboard, Inventory, Monitor, Maintenance, and System. The current page is 'Monitor Logs', with 'Syslog' selected under 'Trap Log'. The search criteria are: Time (From: , To:), System Name (), IP (), and Severity (All). The search results table is as follows:

Time	System Name	IP	Severity	Message
2016-03-03 13:45:53	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Successful login through Web (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:33:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:29:10	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)

Syslog display

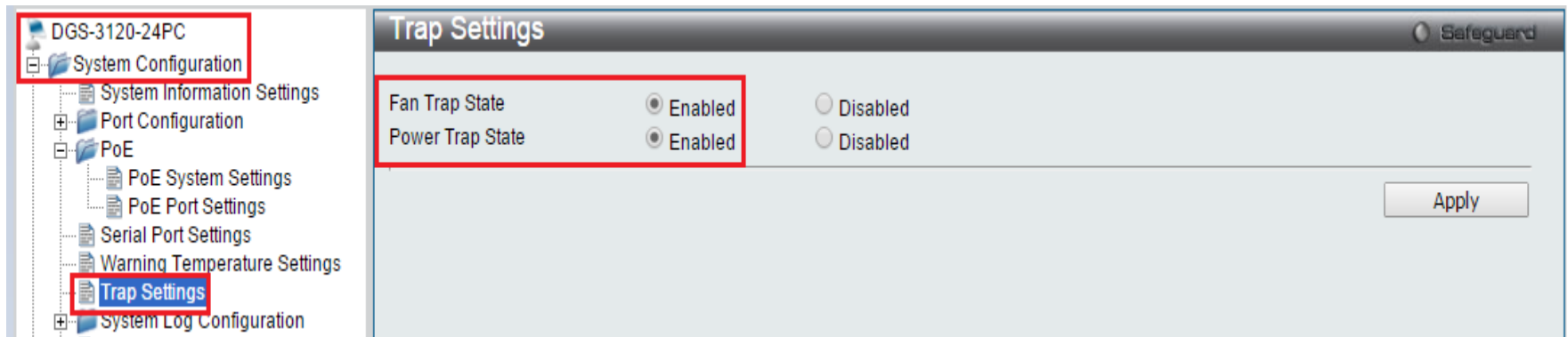
- Q: There is no data in the Syslog session, did we miss anything?
- A: Please make sure you point Sys Log server to D-View 7. You can also refer to the slides regarding “DGS-3120 (Web GUI config.)” and make sure proper configurations.

Configuration Guide

- Monitored Device Configuration
- Syslog
- **Environmental Traps**
- Configuration Traps
- SNMP Traps
- PoE Status
- Device Management Information

Environmental Traps

- In DGS-3120, there are 2 types of PoE Environmental Traps
 - Fan Trap State
 - Power Trap State
- DGS-3120 Web GUI config. is shown as below



- Should there is any Environmental Trap being generated, it will send to D-View 7.

Environmental Traps

- For lab purpose, we made a most-unlikely occurred example, as shown below

The screenshot shows the configuration interface for a DGS-3120-24PC switch. The left sidebar contains a tree view of configuration categories, with 'Warning Temperature Settings' highlighted. The main panel displays the 'Warning Temperature Settings' configuration page. The 'Set Warning Temperature' section includes the following settings:

- Traps State: Enabled
- Log State: Enabled
- High Threshold (-500~500): 15 celsius
- Low Threshold (-500~500): 14 celsius

An 'Apply' button is located at the bottom right of the configuration panel.

- Then, DGS-3120 sent an error syslog to D-View 7

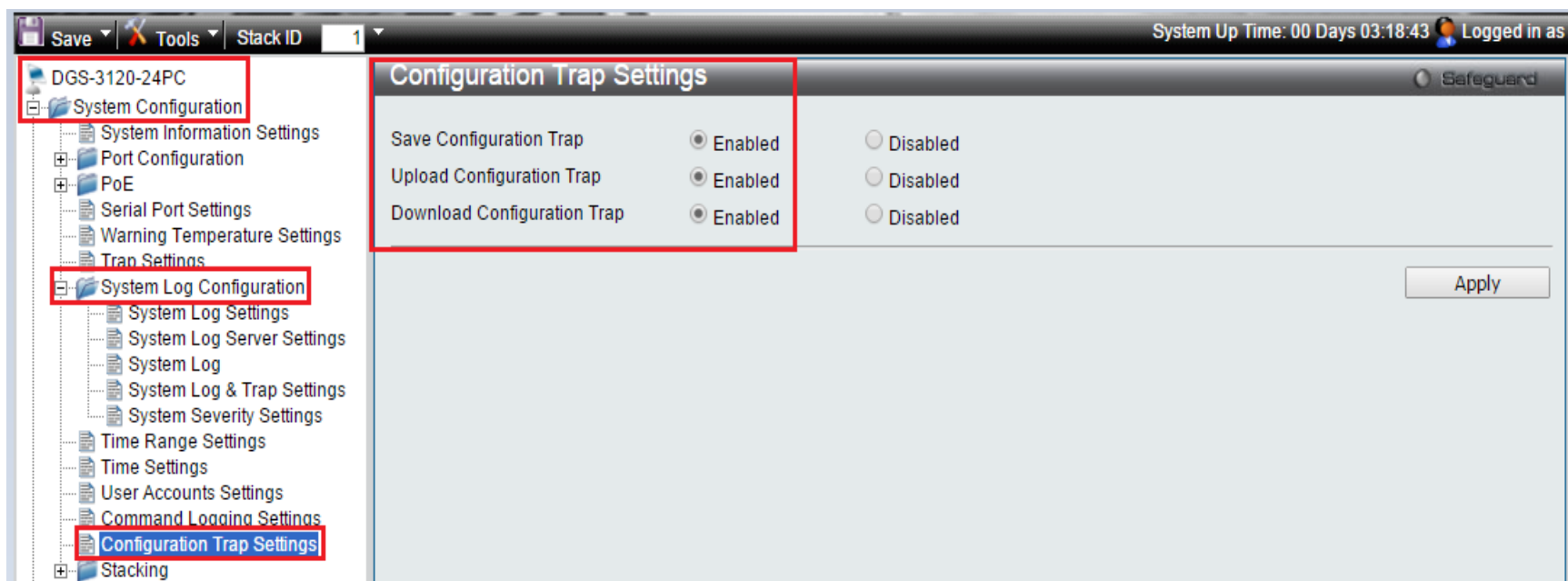
Time	System Name	IP	Severity	Message
2016-03-04 11:16:26	DGS-3120-24PC-DV7	172.17.3.54	Error	WARN: Unit 1 Temperatru Sensor:1 enter alarm state.(current temperatru:30)

Configuration Guide

- Monitored Device Configuration
- Syslog
- Environmental Traps
- **Configuration Trap**
- SNMP Traps
- PoE Status
- Device Management Information

Configuration Traps

- In DGS-3120, there are three types of Configuration Traps
 - Save Configuration Trap
 - Upload Configuration Trap
 - Download Configuration Trap
- DGS-3120 Web GUI config is shown as below



Configuration Traps

- We made some configuration changes in DGS-3120 and saved the configurations via DGS-3120 Web GUI.
- Browse Menu: Home > Monitor > Monitor Logs
- D-View 7 presents related information, as shown below

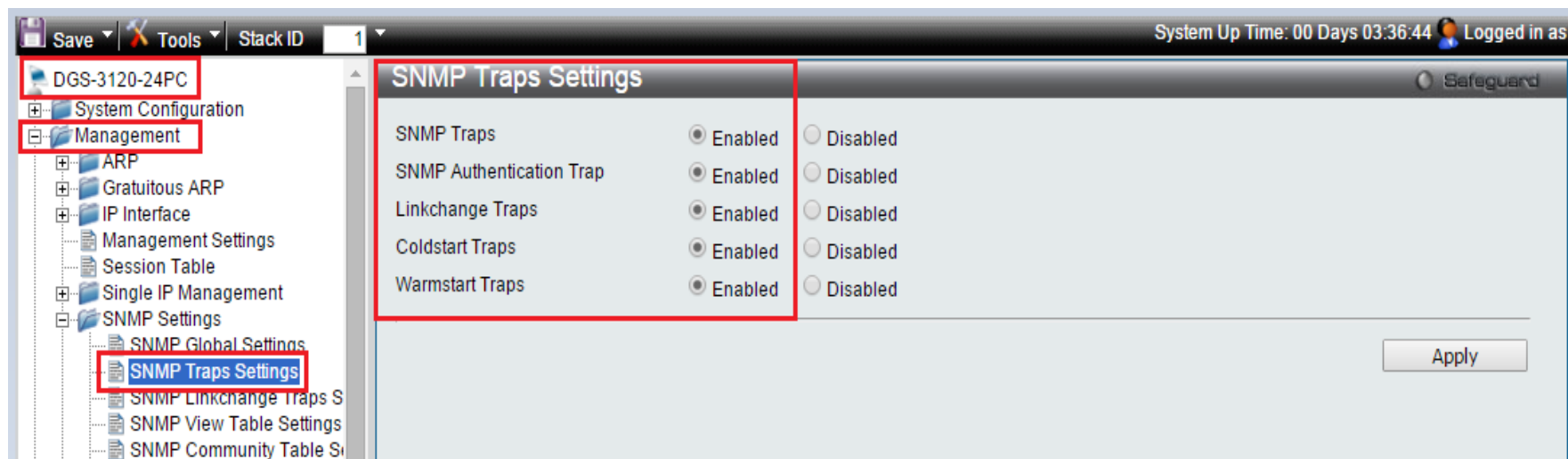
Time ▾	System Name ⚡	IP ⚡	Severity ⚡	Message
2016-03-03 14:17:39	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:13 link up, 1000Mbps FULL duplex
2016-03-03 14:17:35	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:13 link down
2016-03-03 14:17:19	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:11 link up, 1000Mbps FULL duplex
2016-03-03 14:17:19	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Port 1:13 link up, 1000Mbps FULL duplex
2016-03-03 13:45:53	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Successful login through Web (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:33:26	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:29:10	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:28:56	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)
2016-03-03 11:26:44	DGS-3120-24PC-DV7	172.17.3.54	Notice	INFO: Unit 1, Configuration and log saved to flash (Username: Anonymous, IP: 172.17.3.2)

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SNMP Traps

- In DGS-3120, there are five types of SNMP Traps
 - SNMP Traps
 - Authenticate Traps
 - Linkchange Traps
 - Colstart Traps
 - Warm Traps
- DGS-3120 Web GUI config is shown as below



SNMP Traps

- DGS-3120 Web GUI config
- SNMP Linkchange Traps Settings, shall be “Enabled”

The screenshot displays the web management interface for a DGS-3120-24PC switch. The top navigation bar includes 'Save', 'Tools', and 'Stack ID' (set to 1). The system status shows 'System Up Time: 00 Days 03:41:47' and 'Logged in as Safeguard'. The left sidebar shows a tree view of configuration options, with 'Management' and 'SNMP Settings' highlighted. The main panel is titled 'SNMP Linkchange Traps Settings' and contains the following configuration:

Unit	From Port	To Port	State
1	01	01	Enabled

Below this, the 'Linkchange Traps' are set to 'Enabled'. The 'Unit 1 Settings' table is shown below:

Port	State
1	Enabled
2	Enabled
3	Enabled
4	Enabled
5	Enabled
6	Enabled
7	Enabled
8	Enabled
9	Enabled
10	Enabled

SNMP Linkchange Traps

- D-View 7 presents DGS-3120 SNMP Traps
- Please browse Menu: Home > Monitor > Monitor Logs
- SNMP Linkchange Traps

Time ▾	System Name ⇅	IP ⇅	SNMP Version ⇅	Generic Type ⇅	Message
2016-03-03 14:17:37	DGS-3120-24PC-DV7	172.17.3.54	V1	linkUp	Trap OID: 1.3.6.1.6.3.1.1.5.4 Binding Variable: 1.3.6.1.2.1.2.2.1.1.13=13 Binding Variable: 1.3.6.1.2.1.2.2.1.8.13=1 Binding Variable: 1.3.6.1.2.1.2.2.1.7.13=1
2016-03-03 14:17:34	DGS-3120-24PC-DV7	172.17.3.54	V1	linkDown	Trap OID: 1.3.6.1.6.3.1.1.5.3 Binding Variable: 1.3.6.1.2.1.2.2.1.1.13=13 Binding Variable: 1.3.6.1.2.1.2.2.1.8.13=2 Binding Variable: 1.3.6.1.2.1.2.2.1.7.13=1
2016-03-03 14:17:19	DGS-3120-24PC-DV7	172.17.3.54	V1	linkUp	Trap OID: 1.3.6.1.6.3.1.1.5.4 Binding Variable: 1.3.6.1.2.1.2.2.1.8.11=1 Binding Variable: 1.3.6.1.2.1.2.2.1.7.11=1 Binding Variable: 1.3.6.1.2.1.2.2.1.1.11=11
2016-03-03 14:17:18	DGS-3120-24PC-DV7	172.17.3.54	V1	linkUp	Trap OID: 1.3.6.1.6.3.1.1.5.4 Binding Variable: 1.3.6.1.2.1.2.2.1.1.13=13 Binding Variable: 1.3.6.1.2.1.2.2.1.8.13=1 Binding Variable: 1.3.6.1.2.1.2.2.1.7.13=1
2016-03-03 11:33:25	DGS-3120-24PC-DV7	172.17.3.54	V1	enterpriseSpecific	Trap OID: 1.3.6.1.4.1.171.12.1.7.2.9 Binding Variable: 1.3.6.1.4.1.171.12.1.7.2.1.15=1 Binding Variable: 1.3.6.1.4.1.171.12.1.7.2.1.8=Anonymous Binding Variable: 1.3.6.1.4.1.171.12.1.7.2.1.1=1

SNMP coldStart Traps

- D-View 7 presents DGS-3120 SNMP Traps
- Please browse Menu: Home > Monitor > Monitor Logs
- SNMP coldStart Traps

2016-03-03 11:20:28	DGS-3120-24PC-DV7	172.17.3.54	V1	linkUp	Trap OID: 1.3.6.1.6.3.1.1.5.4 Binding Variable: 1.3.6.1.2.1.2.2.1.1.2=2 Binding Variable: 1.3.6.1.2.1.2.2.1.8.2=1 Binding Variable: 1.3.6.1.2.1.2.2.1.7.2=1
2016-03-03 11:20:28	DGS-3120-24PC-DV7	172.17.3.54	V1	linkUp	Trap OID: 1.3.6.1.6.3.1.1.5.4 Binding Variable: 1.3.6.1.2.1.2.2.1.8.1=1 Binding Variable: 1.3.6.1.2.1.2.2.1.7.1=1 Binding Variable: 1.3.6.1.2.1.2.2.1.1.1=1
2016-03-03 11:20:28	DGS-3120-24PC-DV7	172.17.3.54	V1	enterpriseSpecific	Trap OID: 1.3.6.1.4.1.171.12.11.2.2.1.4 Binding Variable: 1.3.6.1.4.1.171.12.11.1.9.4.1.1=1 Binding Variable: 1.3.6.1.4.1.171.12.11.2.3.2.1=1 Binding Variable: 1.3.6.1.4.1.171.12.11.1.9.4.1.2=84C9B216B420
2016-03-03 11:20:28	DGS-3120-24PC-DV7	172.17.3.54	V1	coldStart	Trap OID: 1.3.6.1.6.3.1.1.5.1






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PoE Status

- Q: We would like to review the PoE status of monitored device "DGS-3120-24PC", where can we go to view that information?
- A: Please go to Inventory tab first, select DGS-3120-24PC. Then, you should go to "settings" Click "Port Detail"

DGS-3120-24P... (172.17.3.54) Updated on: 2016-03-03 14:21:09 

Settings	Status
SNTP / NTP Status	OFF
DHCP Server Status	Not Supported
Trap Status	<input checked="" type="checkbox"/> ON 
Syslog Status	<input checked="" type="checkbox"/> ON 
Spanning Tree	<input type="checkbox"/> OFF 
LLDP Status	<input type="checkbox"/> OFF 
Safeguard Engine	<input type="checkbox"/> OFF 
POE Status	Port Detail
RMON	Not Supported

PoE Status

- The following image shows two PoE ports being used. In fact, they are connected to DWL-8610AP and DAP-2695.

POE Port Detail

Port	State	Time Range	Priority	Power Limit (mW)	Class	Power (mW)	Voltage (Decivolt)	Current (mA)	Status
10	Enable	N/A	low	15400(class0)	0	0	0	0	Off
11	Enable	N/A	low	15400(class0)	4	7600	534	143	On
12	Enable	N/A	low	15400(class0)	0	0	0	0	Off
13	Enable	N/A	low	15400(class0)	4	4800	537	91	On
14	Enable	N/A	low	15400(class0)	0	0	0	0	Off
15	Enable	N/A	low	15400(class0)	0	0	0	0	Off
16	Enable	N/A	low	15400(class0)	0	0	0	0	Off
17	Enable	N/A	low	15400(class0)	0	0	0	0	Off
18	Enable	N/A	low	15400(class0)	0	0	0	0	Off

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Device Management Information

- Quiz: In D-View7, where can we address the information relating to 'System Owner', 'System Warranty Expiration' and 'Service Contact' for a specific device?

Device Management Information

- Ans: We are using the DGS-3120-24PC as an example
- Menu: Home > Inventory > DWS-4026-DV7 (172.17.3.91)
- In Overview tab, move to “Additional Information” section
- Input necessary information

Additional Information

Purchase Date

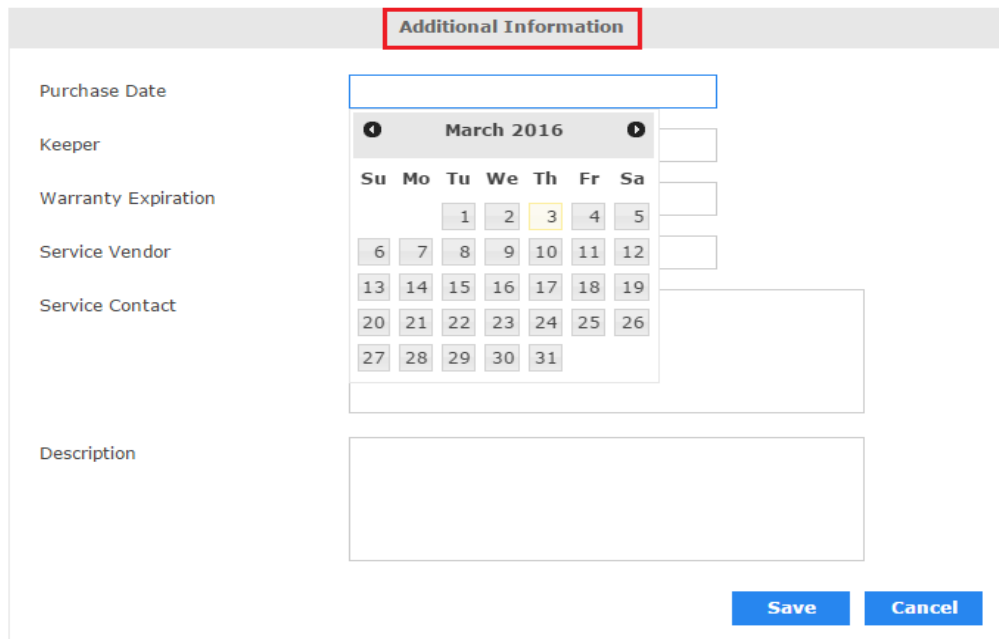
Keeper

Warranty Expiration

Service Vendor

Service Contact

Description



Device Management Information

- The following is an example of input information
- Then click save button

Additional Information	
Purchase Date	<input type="text" value="2016-01-01"/>
Keeper	<input type="text" value="D-Link Academy"/>
Warranty Expiration	<input type="text" value="2017-01-01"/>
Service Vendor	<input type="text" value="D-View"/>
Service Contact	<input type="text" value="Academy (Expertise_Admin@dlinkcorp.com)"/>
Description	<input type="text"/>

System Description	DGS-3120-24PC Gigabit Ethernet Switch	Saved Successfully!
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Additional Information	
Purchase Date	<input type="text" value="2016-01-01"/>
Keeper	<input type="text" value="D-Link Academy"/>
Warranty Expiration	<input type="text" value="2017-01-01"/>
Service Vendor	<input type="text" value="D-View"/>
Service Contact	<input type="text" value="Academy (Expertise_Admin@dlinkcorp.com)"/>
Description	<input type="text"/>



Thank You!