



D-View 7 Configuration Guide (Part I)

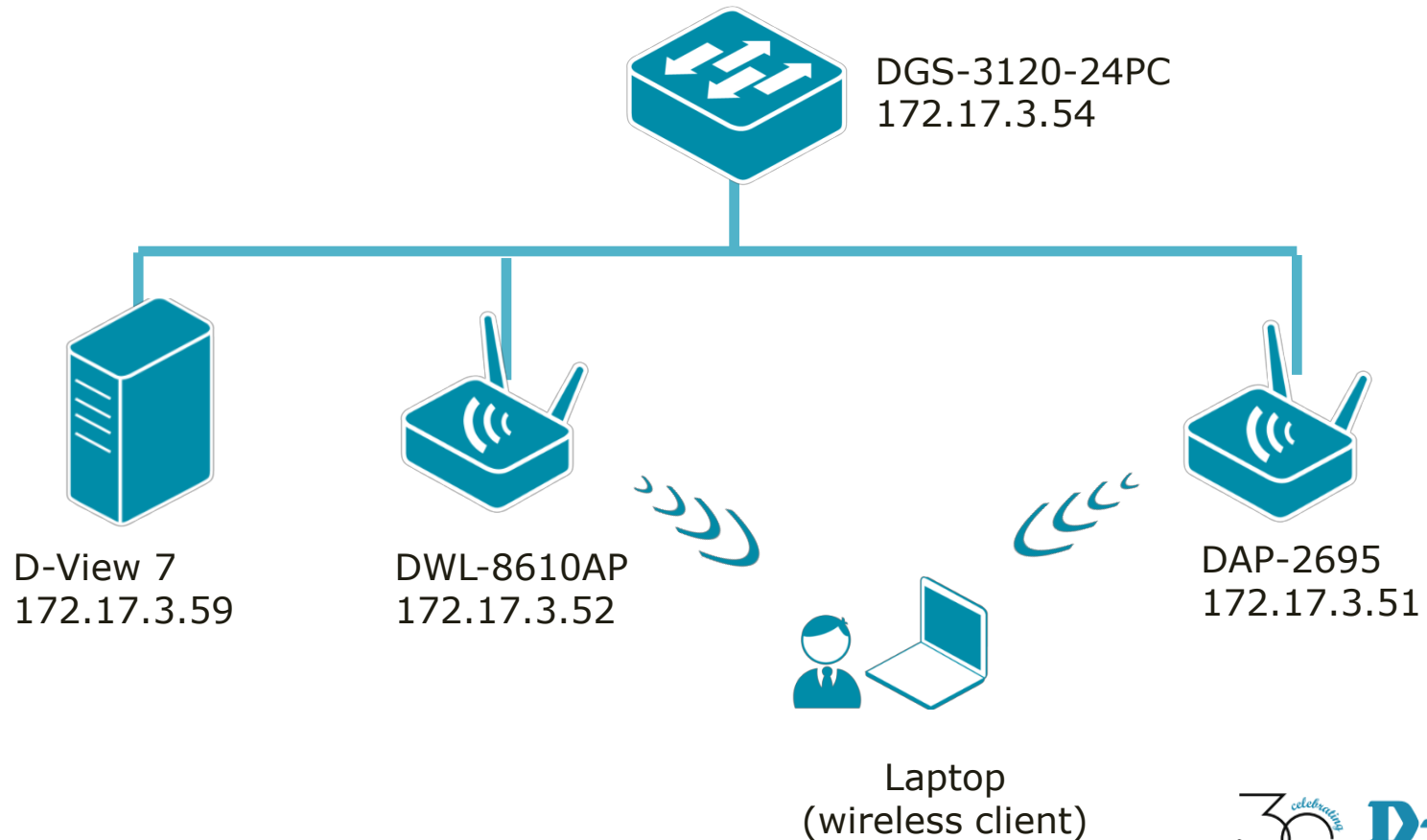
D-Link Academy

Preface

- Objective: The documentation presents D-View 7 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



SNMP Community Configuration

Monitored Devices' 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 Devices Configuration

DGS-3120

- SNMP Settings (please refer below screenshot image)

The image displays two screenshots of the DGS-3120 configuration interface. The top screenshot shows the 'SNMP Global Settings' page, where the 'SNMP State' is set to 'Enabled'. The bottom screenshot shows the 'SNMP Traps Settings' page, where various trap types are configured to be 'Enabled'.

SNMP Global Settings

SNMP State: Enabled Disabled

SNMP Traps Settings

Trap Type	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"/>

Monitored Devices Configuration

DGS-3120

- SNMP Settings (please refer below screenshot image)

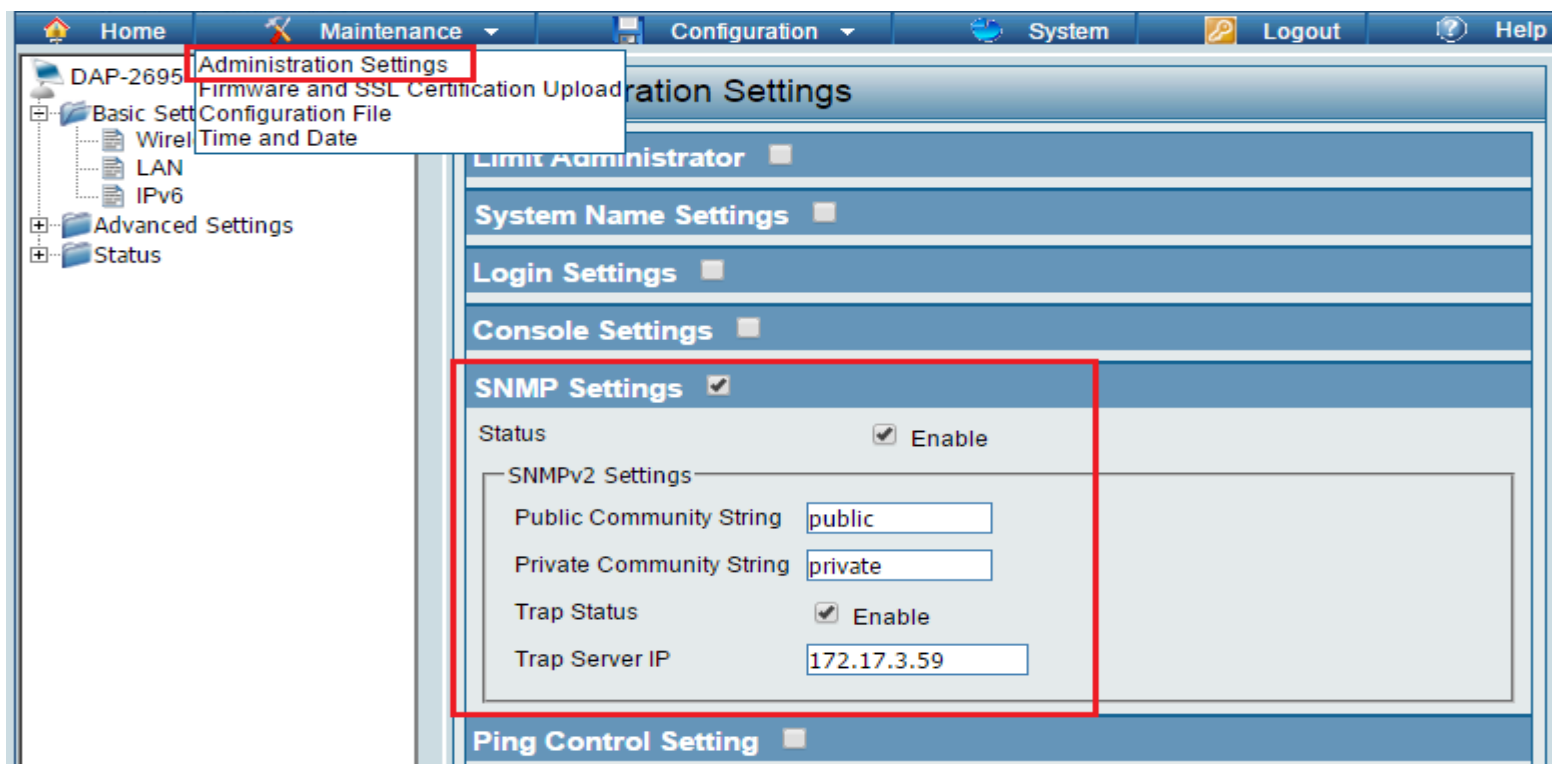
The screenshot displays the configuration interface for a DGS-3120-24PC switch. The left sidebar shows a tree view of configuration options, with 'SNMP Community Table Settings' highlighted. The main panel is titled 'SNMP Community Table Settings' and includes an 'Add Community' section with input fields for 'Community Name', 'View Name', and a dropdown for 'Access Right' (set to 'Read Only'). Below this is a table showing existing community entries. The table has columns for 'Community Name', 'View Name', 'Access Right', and a 'Delete' button for each entry. The entries are 'private' (CommunityView, read_write) and 'public' (CommunityView, read_only). A red box highlights the table area.

Total Entries: 2			
Community Name	View Name	Access Right	
private	CommunityView	read_write	Delete
public	CommunityView	read_only	Delete

Monitored Devices Configuration

DAP-2695

- SNMP Settings (please refer below screenshot image)



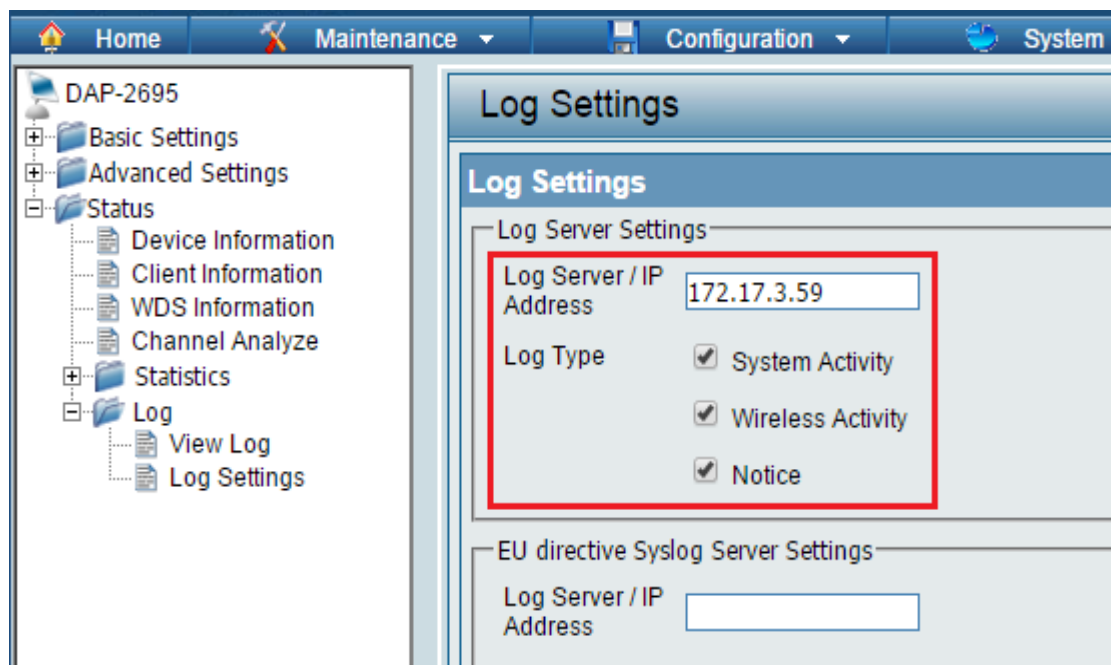
The screenshot displays the web management interface for a DAP-2695 device. The top navigation bar includes Home, Maintenance, Configuration, System, Logout, and Help. The left sidebar shows a tree view with folders for Basic Settings, Advanced Settings, and Status. The main content area is titled 'Administration Settings' and 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:

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

Monitored Devices Configuration

DAP-2695

- Log Server Settings (please refer below screenshot image)



Monitored Devices Configuration

DWL-8610AP

- SNMP Settings (please refer below screenshot image)

The screenshot displays the configuration interface for the DWL-8610AP, specifically the SNMP Configuration page. The left sidebar shows a tree view with 'Services' expanded and 'SNMP' selected. The main content area is titled 'SNMP Configuration' and contains the following settings:

- SNMP:** Enabled (radio button selected)
- Read-only community name (for permitted SNMP get operations):** public (Range: 1 - 256 characters)
- Port number the SNMP agent will listen to:** 161 (Range: 1025 - 65535, Default: 161)
- Allow SNMP set requests:** Enabled (radio button selected)
- Read-write community name (for permitted SNMP set operations):** private (Range: 1 - 256 characters)
- Restrict the source of SNMP requests to only the designated hosts or subnets:** Disabled (radio button selected)
- Hostname, address, or subnet of Network Management System:** (Empty field, Range: xxx.xxx.xxx.xxx/Hostname max 255 Characters)
- IPv6 hostname, address, or subnet of Network Management System:** (Empty field, Range: xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx/255 Characters)

The 'Trap Destinations' section is also visible and contains the following settings:

- Community name for traps:** Default (Range: 1 - 256 characters)
- Enabled Host Type Hostname or IP or IPv6 Address:** IPv4 172.17.3.59

D-View 7 Configurations

- D-View 7 Inventory
- Device Label
- Device Status
- Core Server Activities

D-View 7 Configurations

- **D-View 7 Inventory**
- Device Label
- Device Status
- Core Server Activities

Inventory

- The inventory list is categorized into 2 sections
 - D-View Managed
 - Unmanaged
- **D-View Managed**
 - The managed device can be further organized by applying labels forming groups of devices
 - Devices shown here counting toward node license
- **Unmanaged**
 - By default, newly discovered devices will appear in “Unmanaged” device panel view

Inventory

- To move devices from unmanaged to the managed device panel view, use the checkbox to select which devices to move. Then, click Move to Managed.

The screenshot shows the D-Link inventory management interface. The top navigation bar includes 'Dashboard', 'Inventory', 'Monitor', 'Maintenance', and 'System'. The 'Inventory' section is active, showing 'Unmanaged Total 3' devices. A table lists three unmanaged devices. The first device, '3F_3_241', is selected with a checkbox. A red box highlights the 'Move to Managed' button, and another red box highlights the selected device row. Red arrows point from the 'Move to Managed' button to the selected device row. The table columns are: System Name, IP, MAC, Device Type, Model Name, SNMP Privilege, FW Version, HW Version, Serial Number, and Discover Time.

System Name	IP	MAC	Device Type	Model Name	SNMP Privilege	FW Version	HW Version	Serial Number	Discover Time
<input checked="" type="checkbox"/> 3F_3_241	172.17.3.241	D8:FE:E3:6E:4A:60	L2 GE Switch	DGS-3120-48TC	RW	3.00.522	B1	R30S3DB000013	2016-02-23 11:29
<input type="checkbox"/> DocuCentre-IV 2060	172.17.3.180	08:00:37:C1:78:12	Unknown	N/A	-	N/A	N/A	N/A	2016-02-23 11:29
<input type="checkbox"/> DWL-6610AP-DV7	172.17.3.51	3C:1E:04:F3:F5:40	Wireless AP	DWL-6610AP	RW	N/A	N/A	N/A	2016-02-25 14:10

D-View Managed Inventory

- The following screenshot describes three devices available under "D-View Managed" category

The screenshot displays the D-View Managed Inventory page. The interface includes a navigation bar with tabs for Dashboard, Inventory, Monitor, Maintenance, and System. The current page is titled "D-View Managed" and shows a total of 3 devices (3 green, 0 red, 0 grey). A search bar and an "Export" button are visible. The table below lists the devices:

Status	System Name	IP	MAC	Device Type	Model Name	SNMP Privilege	FW Version	HW Version	Serial Number	Discover Time	Label
●	DAP-2695-DV7	172.17.3.51	78:54:2E:AA:EA:70	Standalone AP	DAP-2695	RW	1.16	N/A	N/A	2016-02-25 15:11	N/A
●	DGS-3120-24PC-DV7	172.17.3.54	84:C9:B2:16:B4:20	L2 GE Switch	DGS-3120-24PC	RW	2.50.015	A1	QT4W1B7000011	2016-02-23 11:29	N/A
●	DWL-8610AP-DV7	172.17.3.52	EC:22:80:BE:20:40	Unified AP	DWL-8610AP	RW	4.3.0.2_B034	A1	RZ6E1E9001326	2016-02-25 14:34	N/A

Inventory

Name of the columns shown in Inventory

- Status: green color, on-line; red-color, off-line; gray-color, unknown
- System Name: Device name being configured
- IP: The IP address of the monitored device
- MAC: The MAC address of the monitored device
- Device Type: Type of the devices, such as Standalone AP, L2 GE Switch, Unified AP
- Model Name: Device model
- SNMP Privilege: RW (Read and Write), RO (Read Only)
- Firmware Version: The firmware version of the monitored device
- Hardware Version: The hardware version of the monitored device

Inventory Search (1/4)

- Q: Could we conduct search function among those devices?
- A: Yes. Please double click "Advanced Search" icon, and input proper criteria for searching

D-View Managed Total 3 (● 3 ● 0 ● 0)

Status	System Name	IP	MAC	Device Type	Model Name	SNMP Privilege	FW Version	Version	Number	Time	Label
●	DAP-2695-DV7	172.17.3.51	78:54:2E:AA:EA:70	Standalone AP	DAP-2695	RW	1.16	N/A	N/A	2016-02-25 15:11	

D-View Managed Total 3 (● 3 ● 0 ● 0)

Advanced Search × Export

Status	All	System Name		Device Type	All
Model Name		Discover Time	From	IP Range	. . .
			To		. . .

Search Close

Inventory Search (2/4)

- For example, pick up "Standalone AP" from Device Type and click Search

D-View Managed Total 3 (● 3 ● 0 ● 0)

Advanced Search × **Export**

Status: All ▼ System Name:

Model Name: Discover Time: From To

Device Type: IP Range: ▼

- All
- Wireless AP
- Unified AP
- Standalone AP**
- L2 GE Switch
- Unknown

Close

Inventory Search (3/4)

- Then verify the latest output, as shown below screenshot

D-View Managed Total 1 (● 1 ● 0 ● 0)

Advanced Search × **Export**

Status: All System Name: Device Type: Standalone AP
Model Name: Discover Time: From IP Range: . . .
To . . .

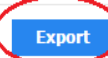
Search **Close**

Status	System Name	IP	MAC	Device Type	Model Name	SNMP Privilege	FW Version	HW Version	Serial Number	Discover Time	Label
●	DAP-2695-DV7	172.17.3.51	78:54:2E:AA:EA:70	Standalone AP	DAP-2695	RW	1.16	N/A	N/A	2016-02-25 15:11	

Inventory Search (4/4)

- Double click Export icon in the upper right hand side and review device list in a CSV file

D-View Managed Total 3 (3 0 0)

Search "Keyword" 												
<input type="checkbox"/>	Status	System Name	IP	MAC	Device Type	Model Name	SNMP Privilege	FW Version	HW Version	Serial Number	Discover Time	Label
<input type="checkbox"/>	●	DAP-2695-DV7	172.17.3.51	78:54:2E:AA:EA:70	Standalone AP	DAP-2695	RW	1.16	N/A	N/A	2016-02-25 15:11	N/A
<input type="checkbox"/>	●	DGS-3120-24PC-DV7	172.17.3.54	84:C9:B2:16:B4:20	L2 GE Switch	DGS-3120-24PC	RW	2.50.015	A1	QT4W1B7000011	2016-02-23 11:29	N/A
<input type="checkbox"/>	●	DWL-8610AP-DV7	172.17.3.52	EC:22:80:BE:20:40	Unified AP	DWL-8610AP	RW	4.3.0.2_B034	A1	RZ6E1E9001326	2016-02-25 14:34	N/A

A	B	C	D	E	F	G	H	I	J	K
Status	System Name	IP	MAC	Device Type	Model Name	FW Version	HW Version	Serial Num	Discover T	Label
Online	DAP-2695	172.17.3.51	78:54:2E:AA:EA:70	Standalone AP	DAP-2695	1.16	N/A	N/A	2/25/2016	N/A
Online	DGS-3120	172.17.3.54	84:C9:B2:16:B4:20	L2 GE Switch	DGS-3120	2.50.015	A1	QT4W1B7000011	2/23/2016	N/A
Online	DWL-8610	172.17.3.52	EC:22:80:BE:20:40	Unified AP	DWL-8610	4.3.0.2_B034	A1	RZ6E1E9001326	2/25/2016	N/A

D-View 7 Configurations

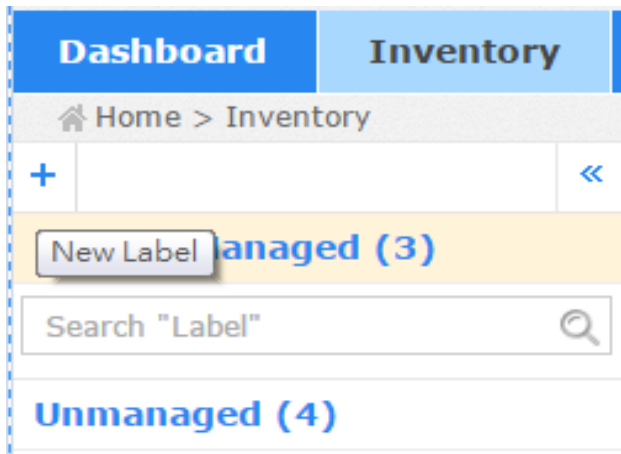
- D-View 7 Inventory
- **Device Label**
- Device Status
- Core Server Activities

Device Label

- When managing a large number of network equipment, we might be experiencing difficulty to locate a specific device
- Under the circumstances, utilizing a label in devices should make this task easier
- It is also possible, if we would like to assign the same devices for different labels to manage

Device Labels Configurations (1/5)

- Configuration steps are shown below
- Step 1: Menu: Home > Inventory; Double click "+" sign to create a label
- A popup window will open for the users to enter a unique label name



Device Labels Configurations (2/5)

- Step 2: Input label name, and select proper color. Click "Create" button

Create New Label ×

Name*

Label Color 

Description

Create

Device Labels Configurations (3/5)

- Step 3: change shall be applied immediately

Home > Inventory Saved Successfully

+ << Taipei Total 0 (● 0 ● 0 ● 0)

D-View Managed (3)

Search "Label" 🔍

▶ Taipei(0) ☰

Unmanaged (4)

Status	System Name	IP	MAC	Device Type	Model Name	SNMP Privilege	FW Version
No Data Found							

Device Labels Configurations (4/5)

- Step 4: Build association between device and label, by using the checkbox to select device. Then, we can pull down Label list and select "Taipei." Click Apply.

D-View Managed Total 3 (● 3 ● 0 ● 0)

Label ▼ Move to Unmanaged

<input type="checkbox"/>	Status	System Name	IP
<input checked="" type="checkbox"/>	●	DAP-2695-DV7	172.17.3.51
<input type="checkbox"/>	●	DGS-3120-24PC-DV7	172.17.3.54
<input type="checkbox"/>	●	DWL-8610AP-DV7	172.17.3.52

Monitor Maintenance System

D-View Managed Total 3 (● 3 ● 0 ● 0)

Label ▼ Move to Unmanaged

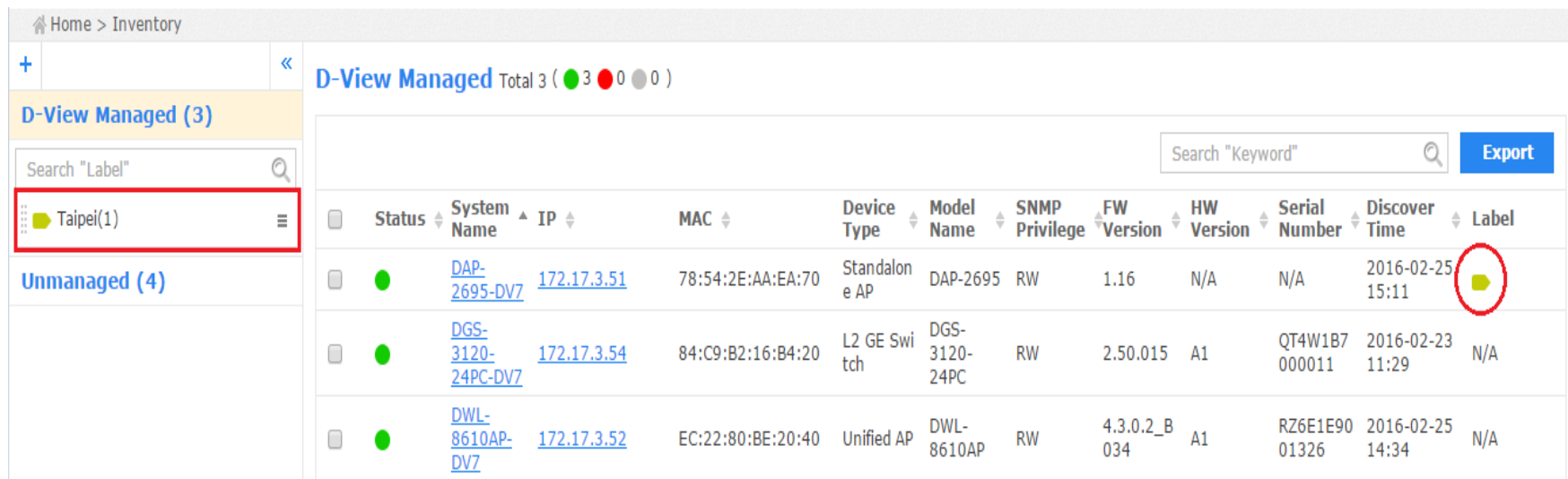
Taipei

Apply

<input type="checkbox"/>	Status	System Name	IP
<input checked="" type="checkbox"/>	●	DAP-2695-DV7	172.17.3.51
<input type="checkbox"/>	●	DGS-3120-24PC-DV7	172.17.3.54
<input type="checkbox"/>	●	DWL-8610AP-DV7	172.17.3.52

Device Labels Configurations (5/5)

- Step 5: Verify the configuration, as shown below image.

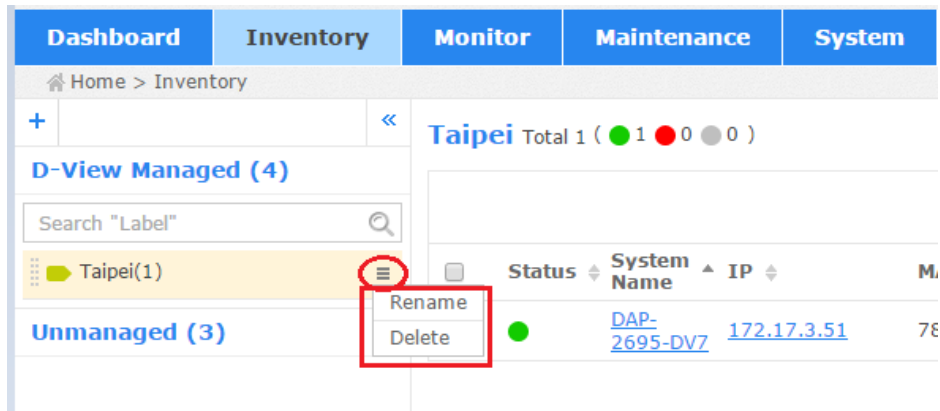


The screenshot displays the D-View Managed interface. On the left, a sidebar shows 'D-View Managed (3)' and 'Unmanaged (4)'. The 'D-View Managed (3)' section is active, showing a search bar for 'Label' with 'Taipei(1)' entered and highlighted by a red box. The main table lists three managed devices. The first device, 'DAP-2695-DV7', has a green status dot and a yellow label icon in the 'Label' column, which is also circled in red. The other two devices, 'DGS-3120-24PC-DV7' and 'DWL-8610AP-DV7', have green status dots and 'N/A' in the 'Label' column.

Status	System Name	IP	MAC	Device Type	Model Name	SNMP Privilege	FW Version	HW Version	Serial Number	Discover Time	Label
●	DAP-2695-DV7	172.17.3.51	78:54:2E:AA:EA:70	Standalone AP	DAP-2695	RW	1.16	N/A	N/A	2016-02-25 15:11	▶
●	DGS-3120-24PC-DV7	172.17.3.54	84:C9:B2:16:B4:20	L2 GE Switch	DGS-3120-24PC	RW	2.50.015	A1	QT4W1B7000011	2016-02-23 11:29	N/A
●	DWL-8610AP-DV7	172.17.3.52	EC:22:80:BE:20:40	Unified AP	DWL-8610AP	RW	4.3.0.2_B034	A1	RZ6E1E9001326	2016-02-25 14:34	N/A

Device Label Changes

- To rename or delete an inventory label, just click on the drop down menu item located on the right part of the inventory label name
- Please refer below screenshot image

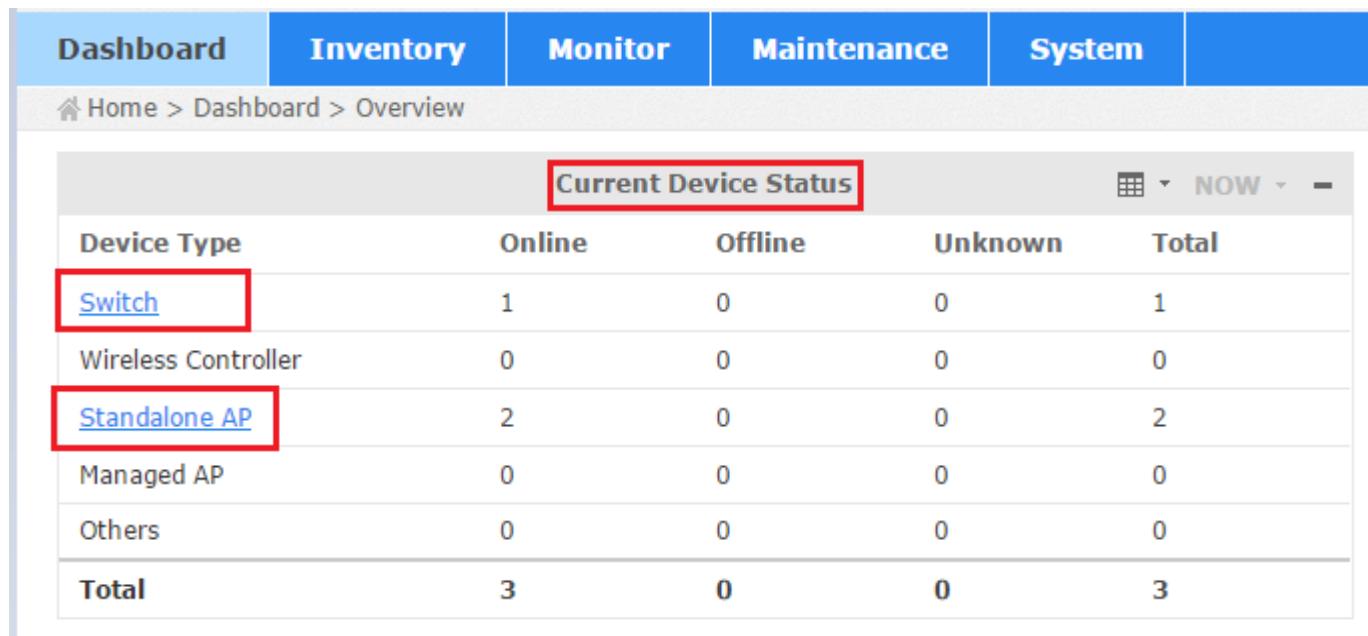


The screenshot displays the D-Link inventory management interface. At the top, there are navigation tabs: Dashboard, Inventory (selected), Monitor, Maintenance, and System. Below the tabs, the breadcrumb path is 'Home > Inventory'. The main content area shows a search bar with 'Search "Label"' and a dropdown menu for 'Taipei(1)'. The dropdown menu is open, showing 'Rename' and 'Delete' options. To the right, a table lists inventory items. The table has columns for Status, System Name, IP, and a numerical value. The first row shows a green status dot, the system name 'DAP-2695-DV7', the IP address '172.17.3.51', and the value '78'.

Status	System Name	IP	M
●	DAP-2695-DV7	172.17.3.51	78

Current Device Status

- Q: In addition to Inventory, where-else can we view the summary of “Current Device Status?”
- A: Please go to menu: Dashboard > Overview, then, you can see the summary information, on-line/off-line devices



The screenshot shows a web interface with a navigation menu at the top containing 'Dashboard', 'Inventory', 'Monitor', 'Maintenance', and 'System'. Below the menu is a breadcrumb trail: 'Home > Dashboard > Overview'. The main content area features a table titled 'Current Device Status' with a refresh icon and a time filter set to 'NOW'. The table has five columns: 'Device Type', 'Online', 'Offline', 'Unknown', and 'Total'. The rows are: 'Switch' (1 Online, 0 Offline, 0 Unknown, Total 1), 'Wireless Controller' (0 Online, 0 Offline, 0 Unknown, Total 0), 'Standalone AP' (2 Online, 0 Offline, 0 Unknown, Total 2), 'Managed AP' (0 Online, 0 Offline, 0 Unknown, Total 0), 'Others' (0 Online, 0 Offline, 0 Unknown, Total 0), and a 'Total' row (3 Online, 0 Offline, 0 Unknown, Total 3). The 'Switch' and 'Standalone AP' rows are highlighted with red boxes.

Device Type	Online	Offline	Unknown	Total
Switch	1	0	0	1
Wireless Controller	0	0	0	0
Standalone AP	2	0	0	2
Managed AP	0	0	0	0
Others	0	0	0	0
Total	3	0	0	3

Device View

- Q: If we click "standalone AP" as indicated in last slide, which of the D-View 7 functions would be presented?
- A: Menu bar: Home > Monitor > Device View

The screenshot displays the D-Link management interface. The top navigation bar includes 'Dashboard', 'Inventory', 'Monitor', 'Maintenance', and 'System'. The 'Monitor' tab is active, and the breadcrumb path 'Home > Monitor > Device View' is highlighted. Below this, the 'Access Point' category is selected. A search bar shows 'About 2 result(s) related to Standalone AP.' The table below lists two devices:

Status	Event	System Name	IP	MAC	Model Name	SNMP Privilege	Vendor	Uptime	Connection Time	Managed Status	Managed by
●		DAP-2695-DV7	172.17.3.51	78:54:2E:AA:EA:70	DAP-2695	RW	D-Link	0 day 0:25:52	N/A	Standalone	N/A
●	■	DWL-8610AP-DV7	172.17.3.52	EC:22:80:BE:20:40	DWL-8610AP	RW	D-Link	0 day 0:26:00	N/A	Standalone	N/A

Device View

- Q: Under "Device View" session, any other information can be seen here?
- A: Please click "+" icon and verify/add available items for user preference. Then check Apply

The screenshot displays the 'Device View' interface. At the top, there is a search bar labeled 'Search "Keyword"' and an 'Export' button. Below the search bar, a table lists devices with columns for 'Vendor', 'Uptime', 'Connection Time', 'Managed Status', and 'Managed by'. A red circle highlights a '+' icon in the 'Managed by' column header. A 'Select Columns' dialog box is open, allowing users to customize the columns shown in the table. The dialog box is divided into sections: 'Device', 'Working Information', and 'Trap Status'. The 'Device' section includes 'Model Name', 'Total Flash', 'HW Version', 'Location', 'Label', 'Vendor', 'FW Version', 'SNMP Privilege', and 'Serial Number'. The 'Working Information' section includes 'Event', 'Uptime', 'Syslog Status', 'SNTP / NTP Status', 'Connection Time', 'Radio Status', 'Managed by', 'Trap Status', 'DHCP Status', 'Attached on Probe', 'SSH Status', 'Operation Mode', 'Managed Status', and 'Authenticated Client'. The 'Trap Status' section includes 'Trap Status'. The 'Apply' button is located at the bottom right of the dialog box.

D-View 7 Configurations

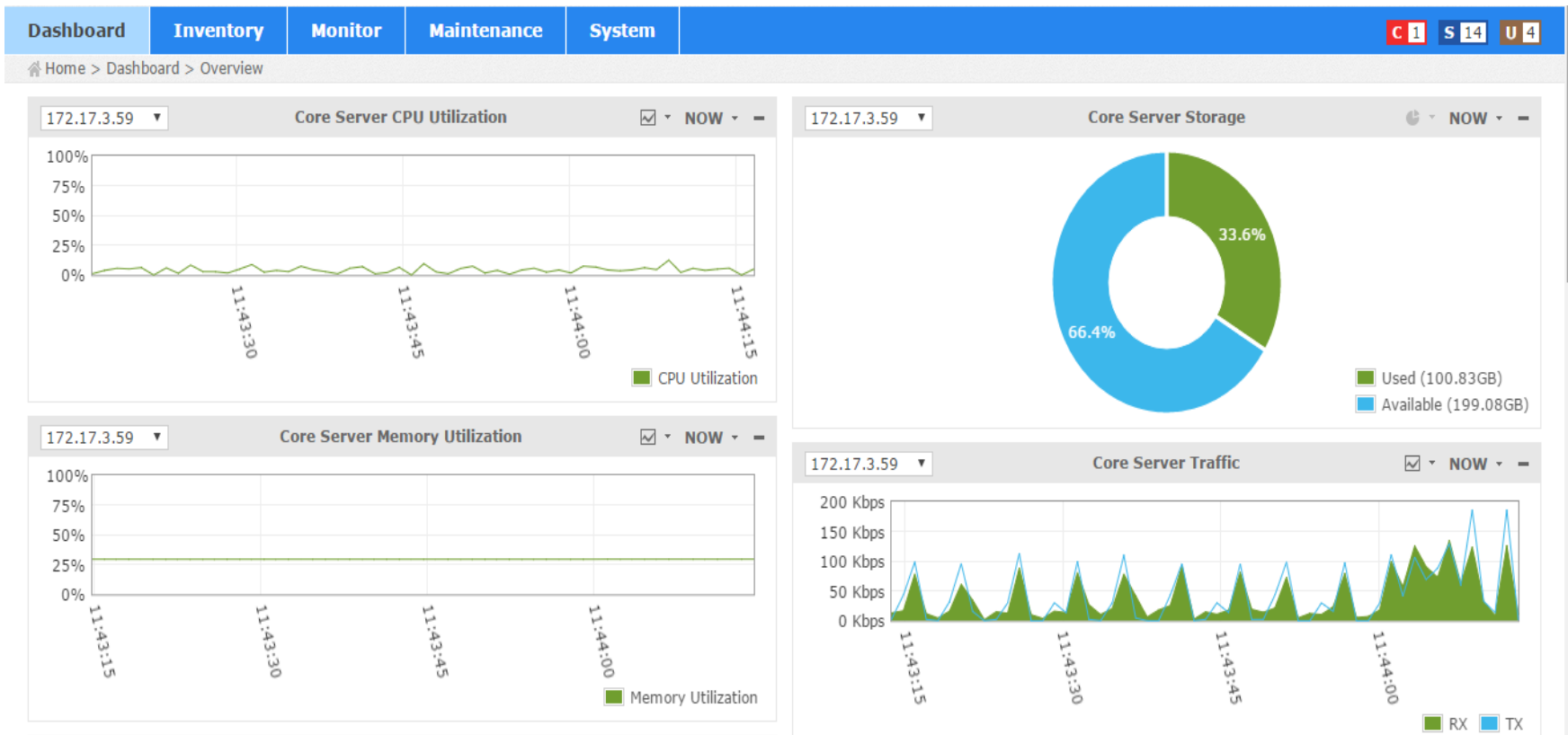
- D-View 7 Inventory
- Device Label
- Device Status
- **Core Server Activities**

Core Server

- Core Server is where D-View 7 being installed
- In Home > Dashboard > Overview, we can view the following information
 - Core Server CPU Utilization
 - Core Server Memory Utilization
 - Core Server Storage
 - Core Server Traffic

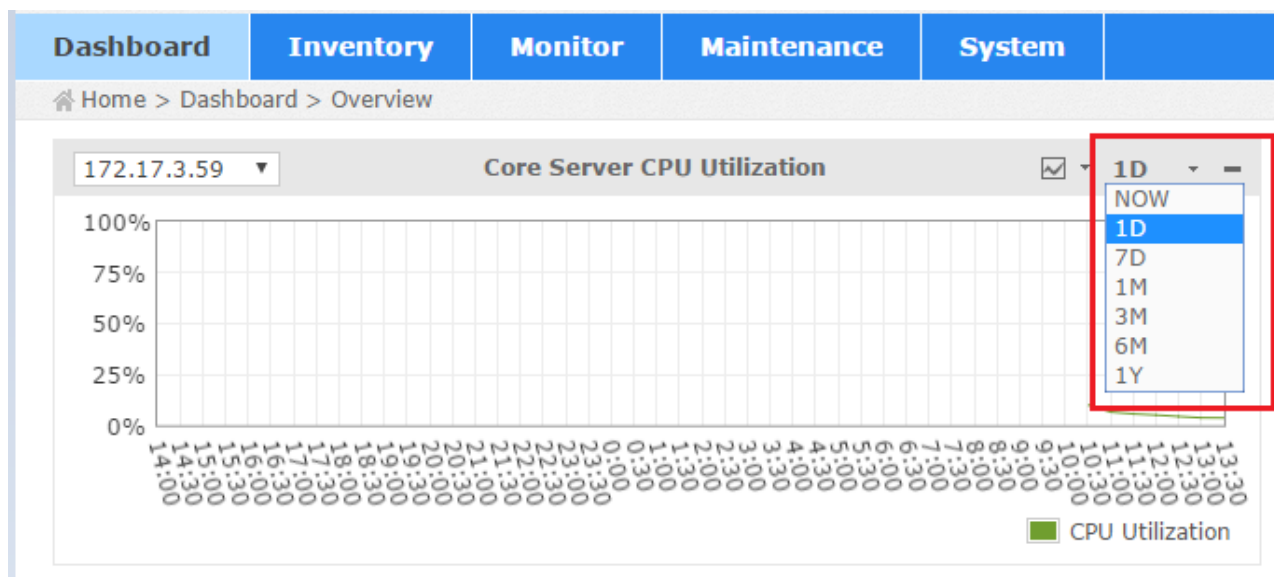
Core Server

- The following screen shot is an example of Core Server activities



Core Server CPU Utilization

- Q: As of Core Server CPU utilization, what are the available time-frame information options?
- A: 1-Day, 7-Day, 1-Month, 3-Month, 6-Month, and 1-Year



Core Server System Log

- Core Server System Log
- The system logs view shows a list of all events that have been taken place on the D-View 7
- Menu: Home > System > System Logs

Time	Category	User	Action	Target	Message
2016-03-01 11:53	Device	admin	Manage	academy (172.17.3.59)	
2016-03-01 11:29	User	admin	Login	N/A	
2016-03-01 11:29	User	admin	Login	N/A	
2016-03-01 11:27	Probe	N/A	Login	local	
2016-03-01 11:27	Probe	N/A	Logout	local	
2016-03-01 11:25	System	CoreServer	Start	N/A	
2016-03-01 11:21	Probe	N/A	Login	local	
2016-03-01 11:20	Probe	N/A	Logout	local	
2016-03-01 11:19	System	CoreServer	Start	N/A	
2016-03-01 11:15	User	admin	Logout	N/A	

Core Server System Log

- Core Server System Log
- The search function offers preferred query result
- For example, use search criteria of “User: CoreServer; Action: Start” to view the time of core server starts

Dashboard Inventory Monitor Maintenance System C 1 S 15 U 3

Home > System > System Logs

Advanced Search ▲ Export

Time From To

Category All

User CoreServer

Action Start

Target

Search Close

Core Server System Log

- Core Server System Log
- The search function offers preferred query result
- For example, use search criteria of "User: CoreServer; Action: Start" to view the time of core server starts

Time ▼	Category ◆	User ◆	Action ◆
2016-03-01 11:25	System	CoreServer	Start
2016-03-01 11:19	System	CoreServer	Start
2016-03-01 11:15	System	CoreServer	Start
2016-03-01 11:15	System	CoreServer	Start
2016-03-01 10:12	System	CoreServer	Start
2016-02-26 15:11	System	CoreServer	Start
2016-02-26 13:57	System	CoreServer	Start
2016-02-26 12:03	System	CoreServer	Start
2016-02-26 09:56	System	CoreServer	Start



Thank You!