D-View 7 Configuration Guide (Part I)

D-Link Academy

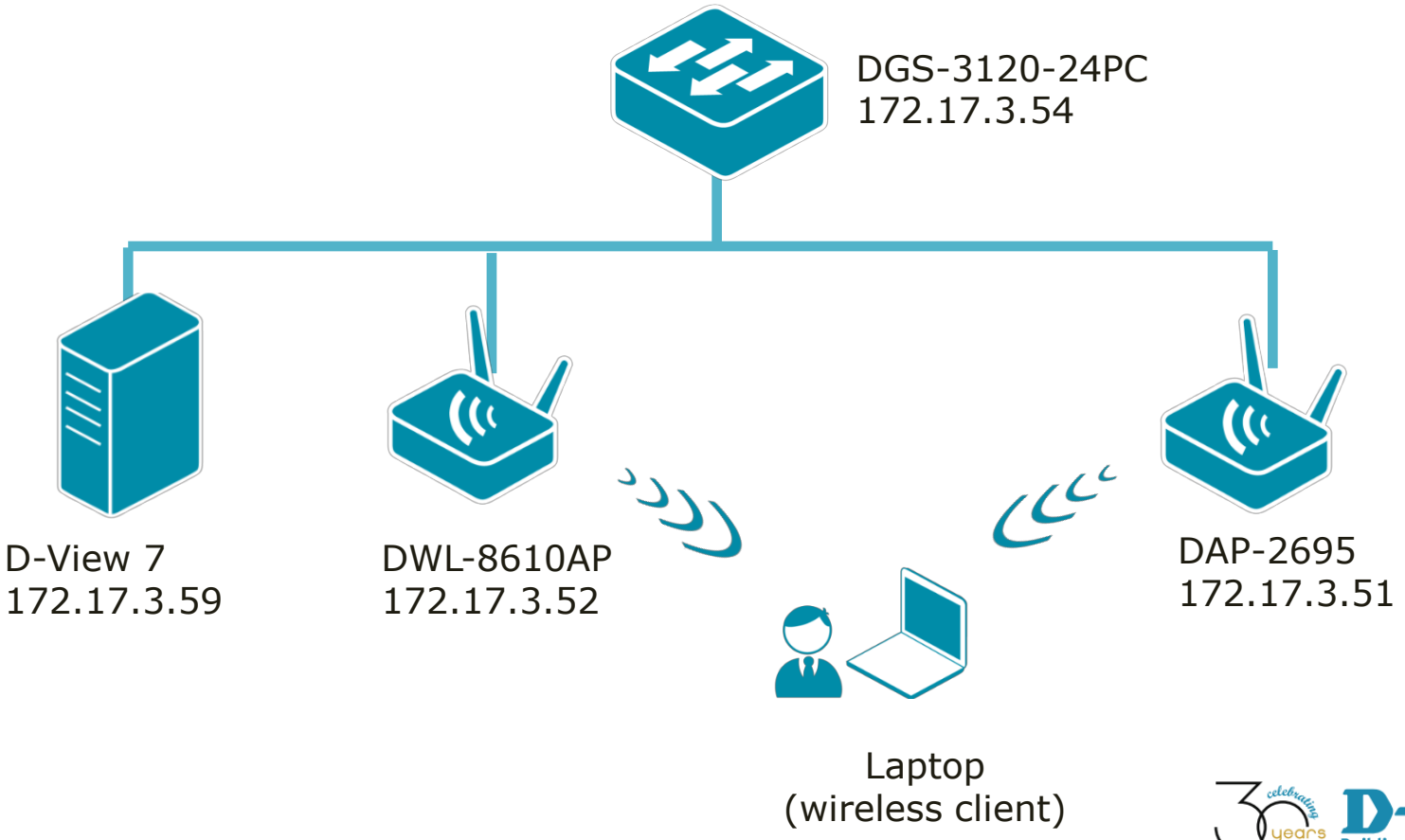
Preface

- 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

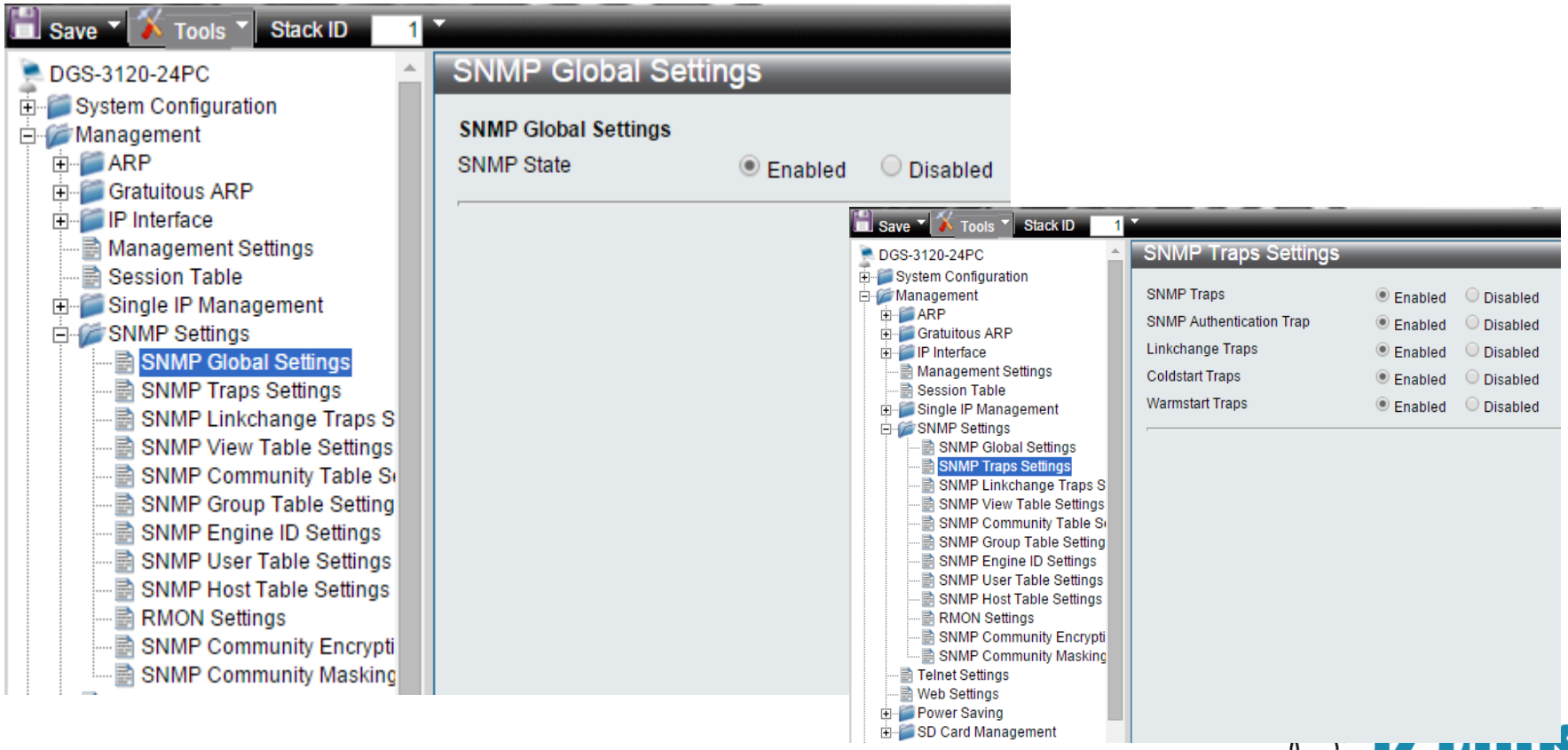
Monitored Devices' SNMP community configuration

- 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

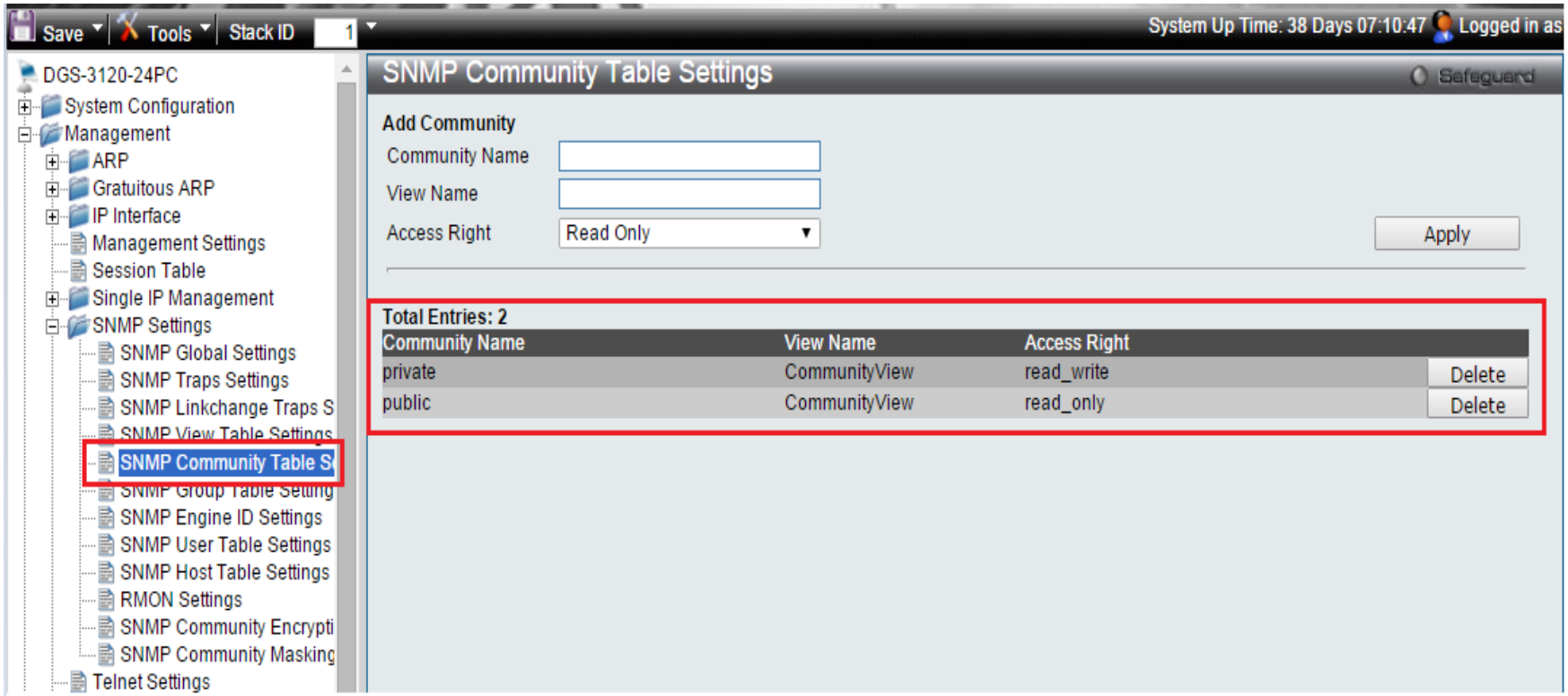
- SNMP Settings (please refer below screenshot image)



Monitored Devices Configuration

DGS-3120

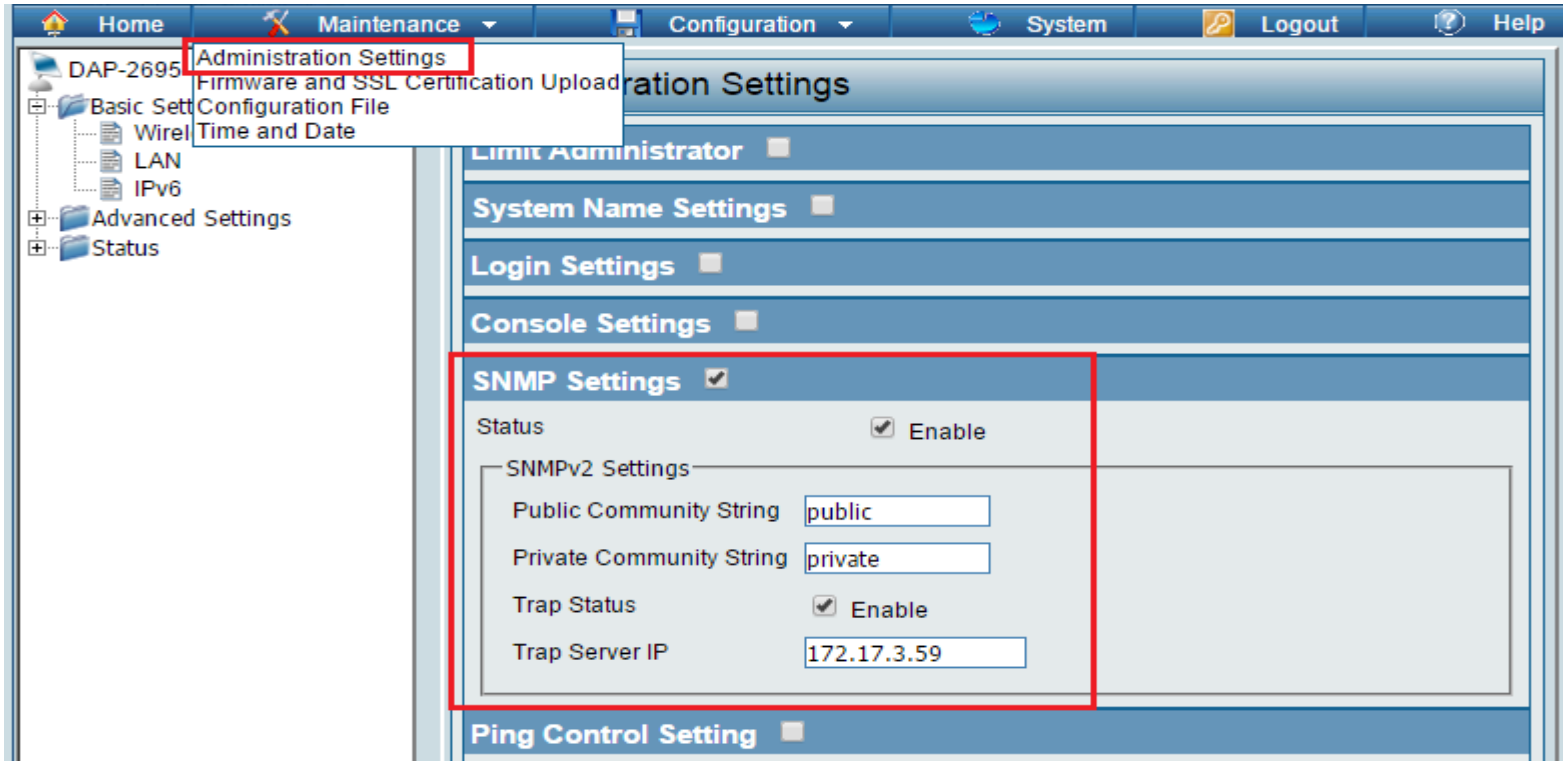
- SNMP Settings (please refer below screenshot image)



Monitored Devices Configuration

DAP-2695

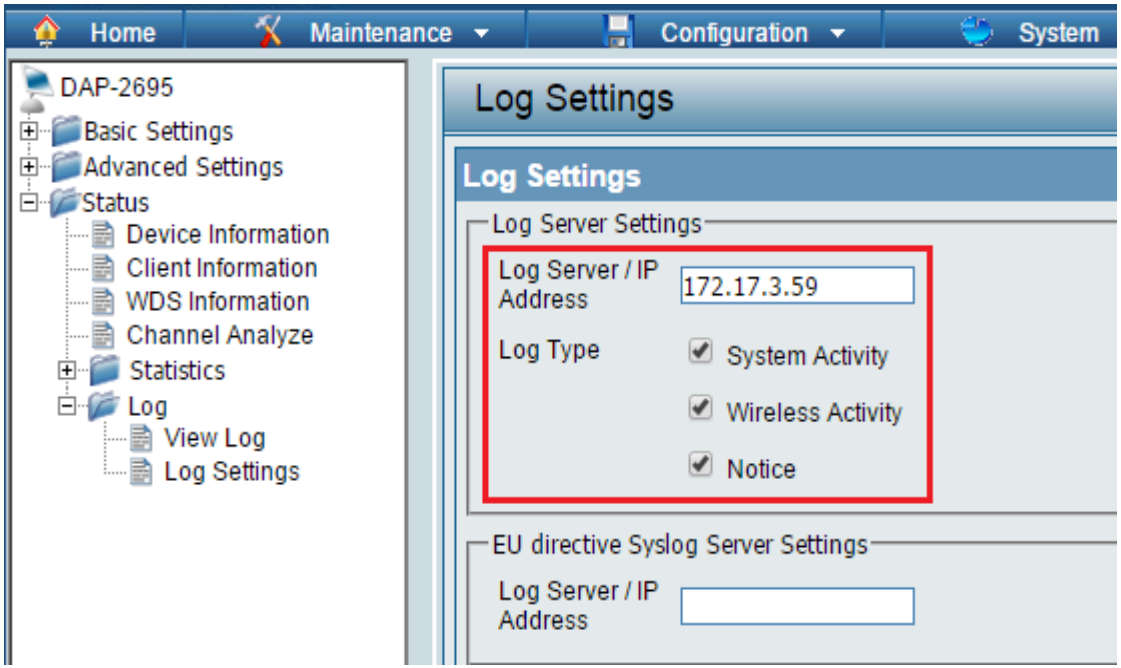
- SNMP Settings (please refer below screenshot image)



Monitored Devices Configuration

DAP-2695

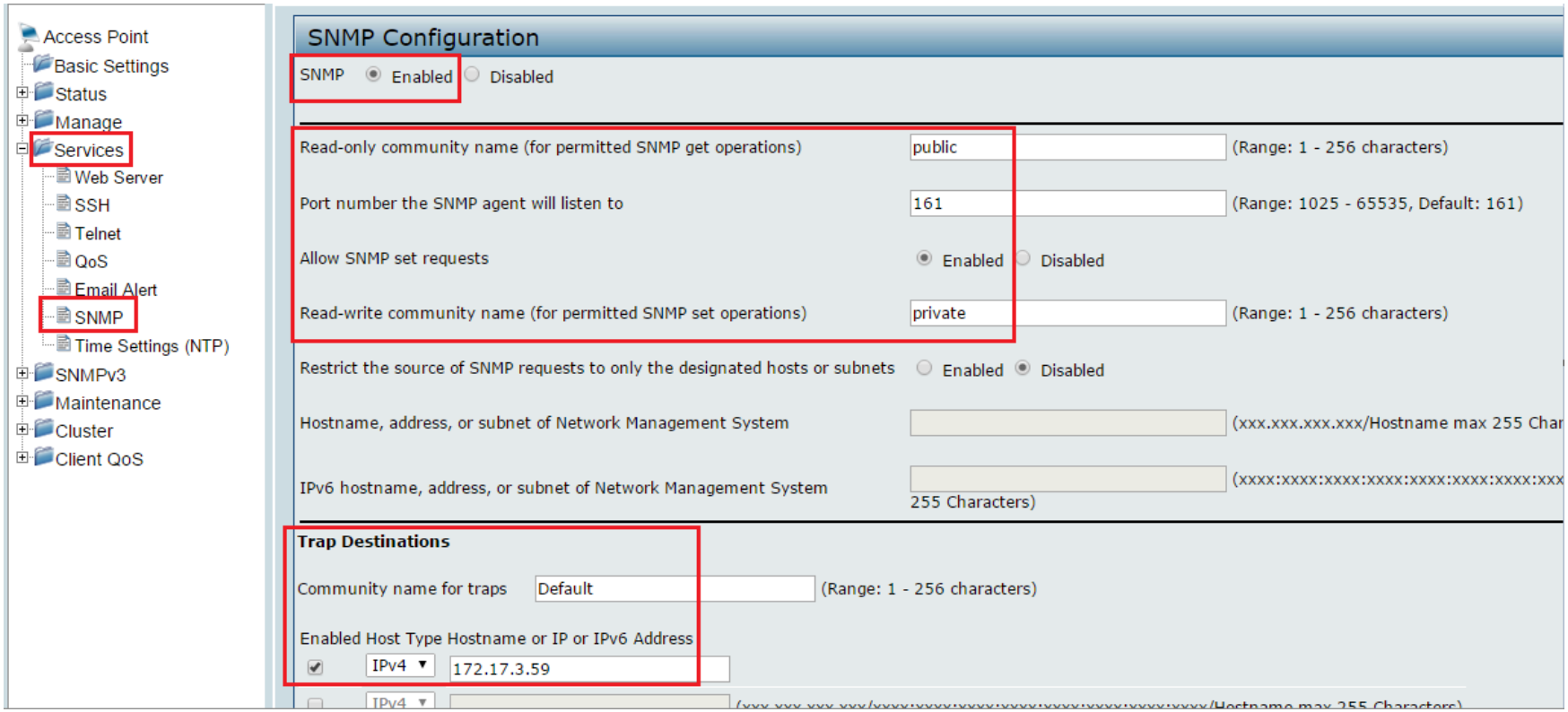
- Log Server Settings (please refer below screenshot image)



Monitored Devices Configuration

DWL-8610AP

- SNMP Settings (please refer below screenshot image)



D-View 7 Configurations

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

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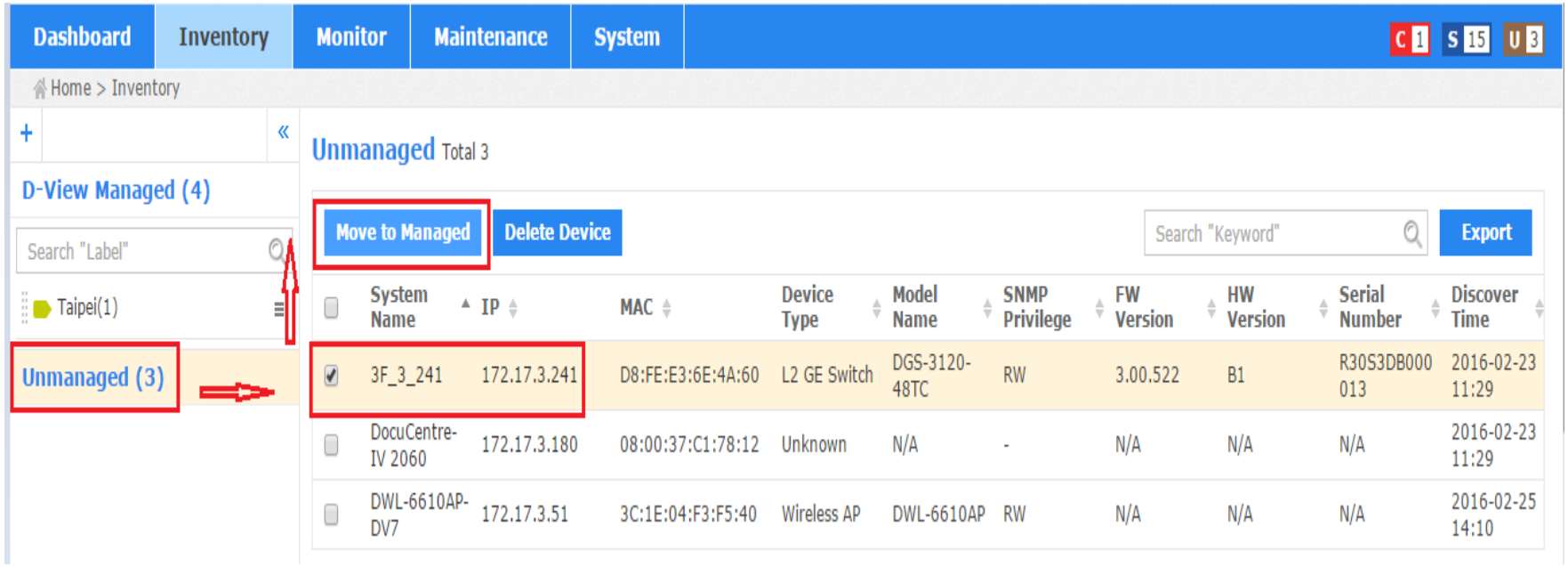
Inventory

- 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

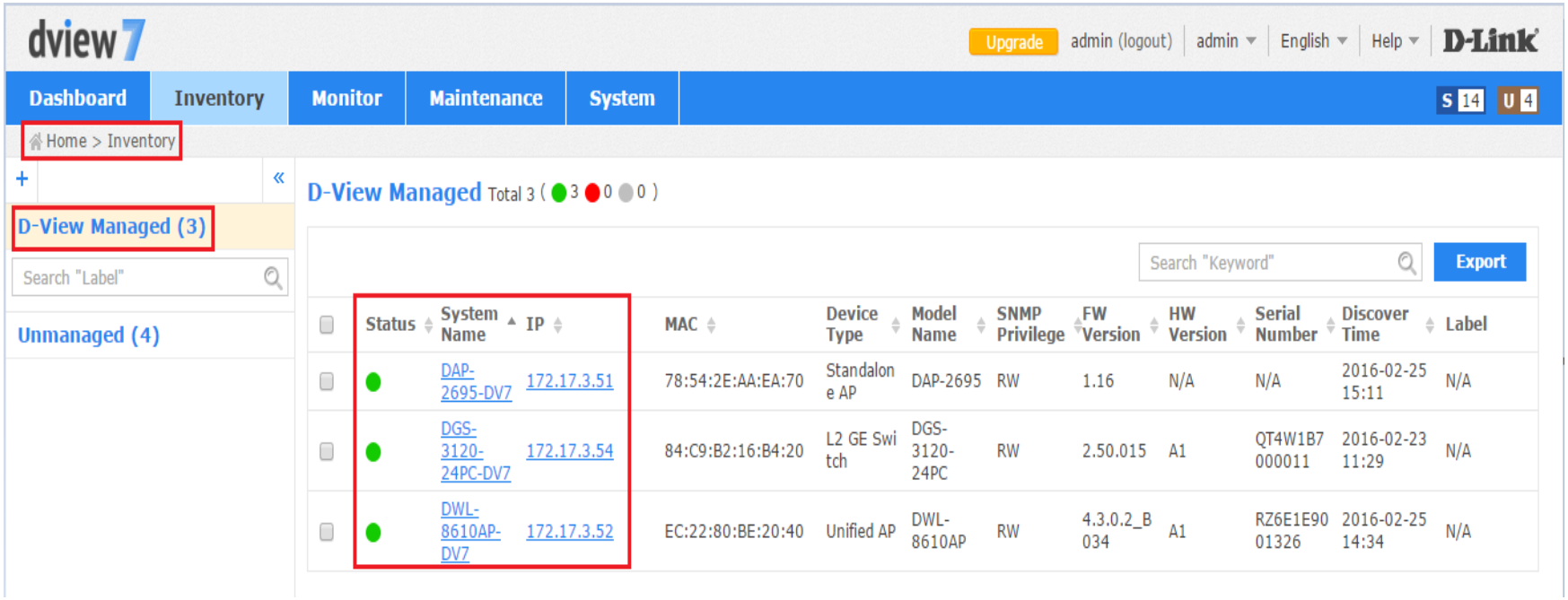
Inventory

- 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.



D-View Managed Inventory

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



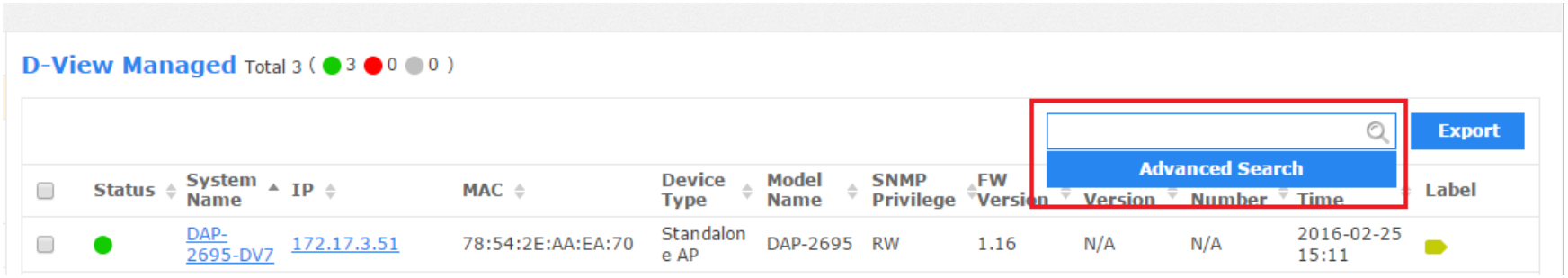
Inventory

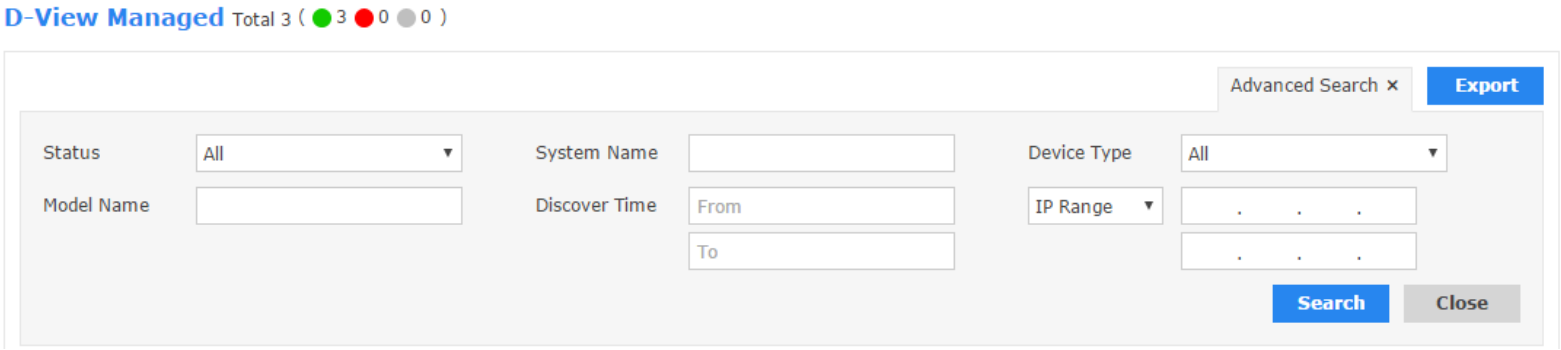
Name of the columns shown in Inventory

- 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)

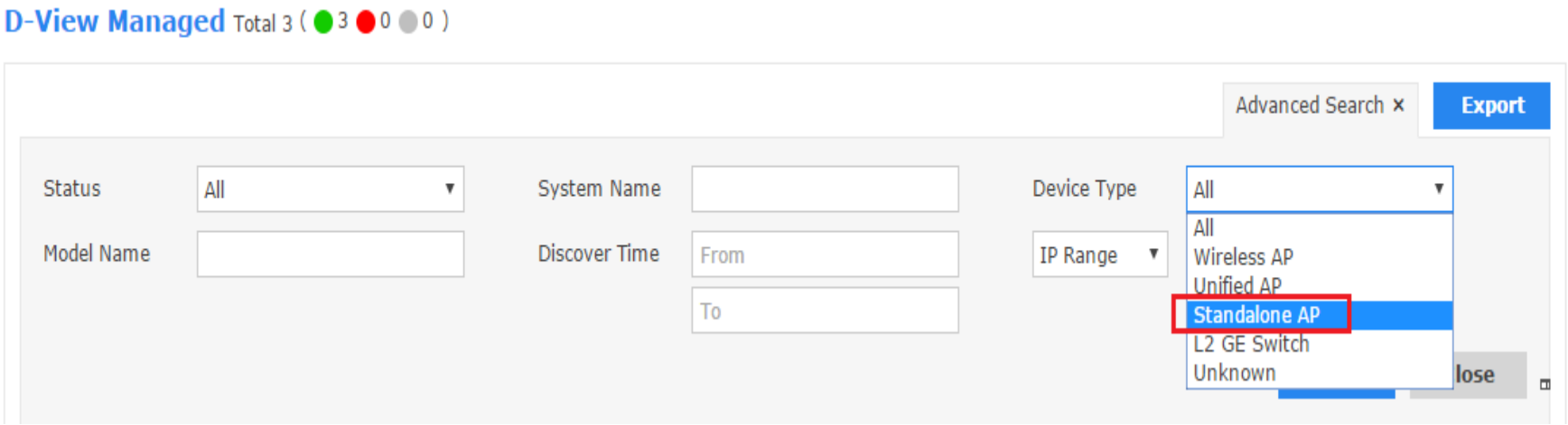
- Q: Could we conduct search function among those devices?
- A: Yes. Please double click “Advanced Search” icon, and input proper criteria for searching





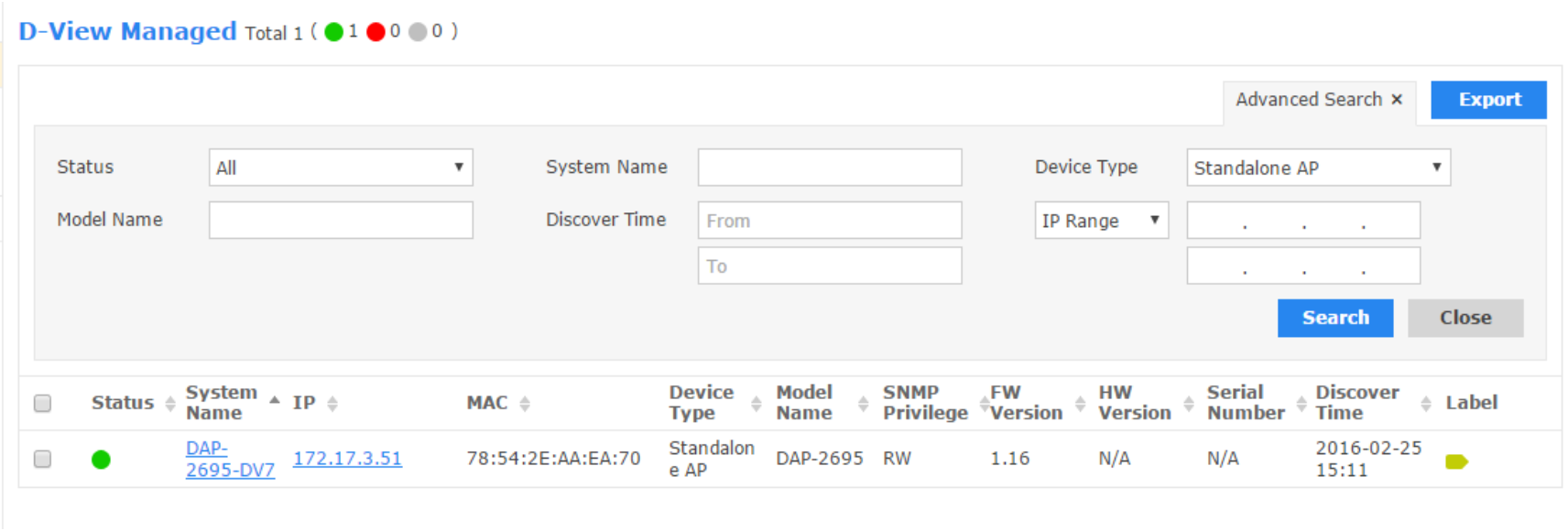
Inventory Search (2/4)

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



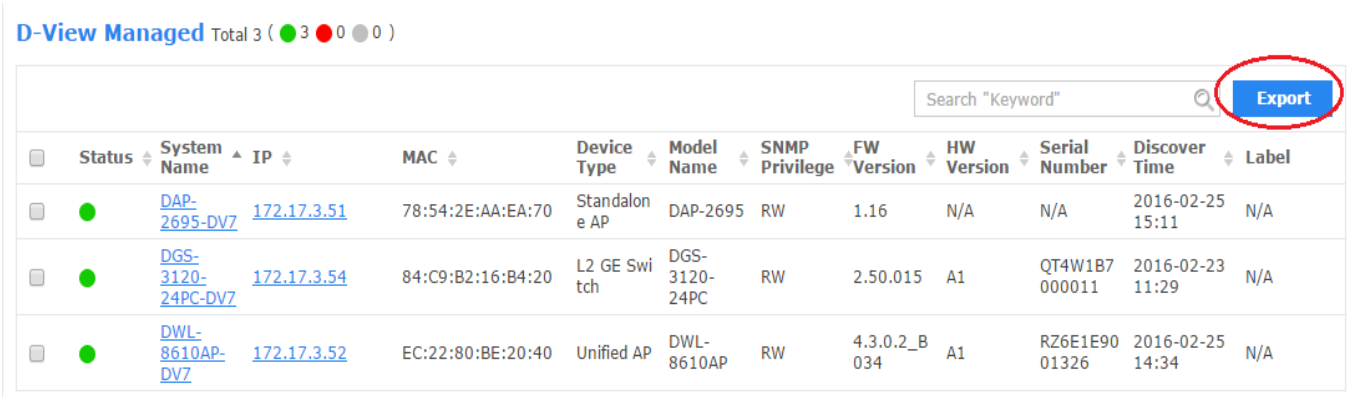
Inventory Search (3/4)

- Then verify the latest output, as shown below screenshot



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" Export

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

	A	B	C	D	E	F	G	H	I	J	K
	Status	System Na	IP	MAC	Device Ty	Model Nan	FW Versio	HW Versio	Serial Num	Discover T	Label
	Online	DAP-2695	172.17.3.5	78:54:2E:A	Standalone	DAP-2695	1.16	N/A	N/A	2/25/2016	N/A
	Online	DGS-3120	172.17.3.5	84:C9:B2:1	L2 GE Swi	DGS-3120	2.50.015	A1	QT4W1B7	2/23/2016	N/A
	Online	DWL-861C	172.17.3.5	EC:22:80:E	Unified AP	DWL-861C	4.3.0.2_B0	A1	RZ6E1E90	2/25/2016	N/A

D-View 7 Configurations

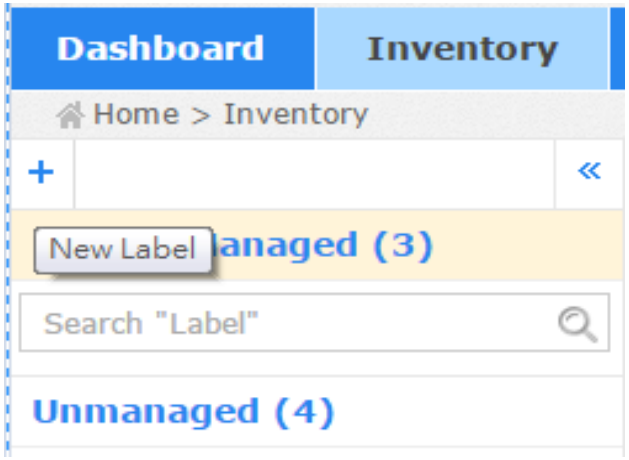
- D-View 7 Inventory
- Device Label
- Device Status
- Core Server Activities

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

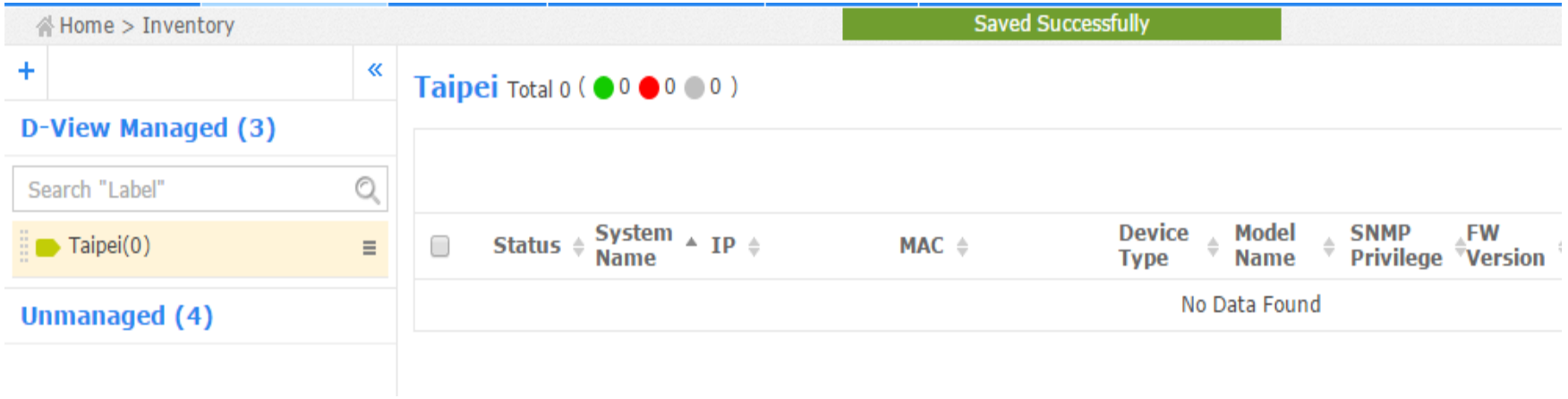


Device Labels Configurations (2/5)

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

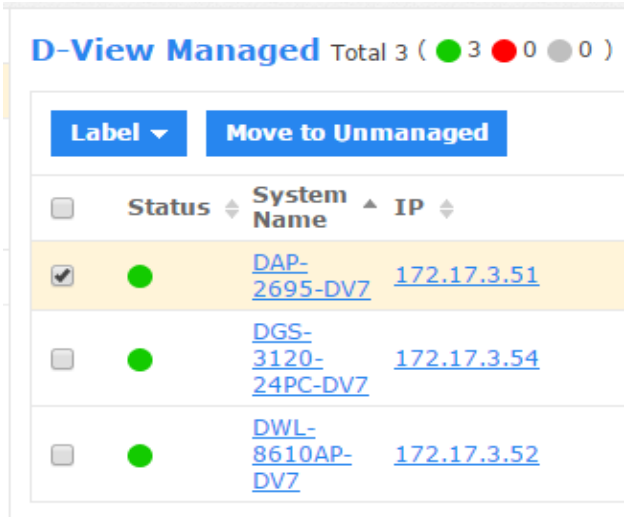
Device Labels Configurations (3/5)

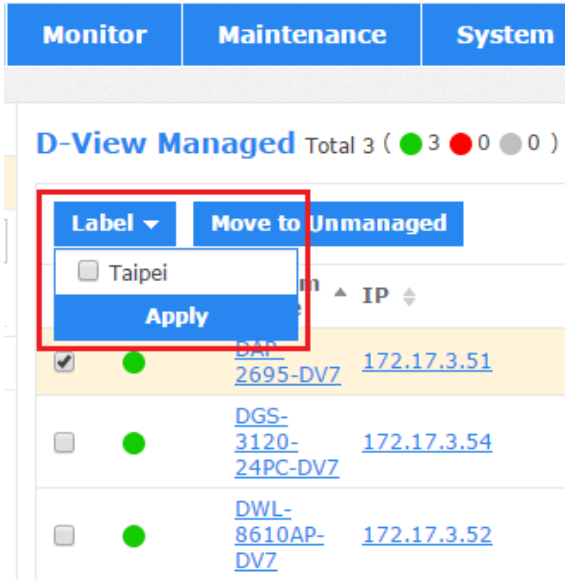
- Step 3: change shall be applied immediately



Device Labels Configurations (4/5)

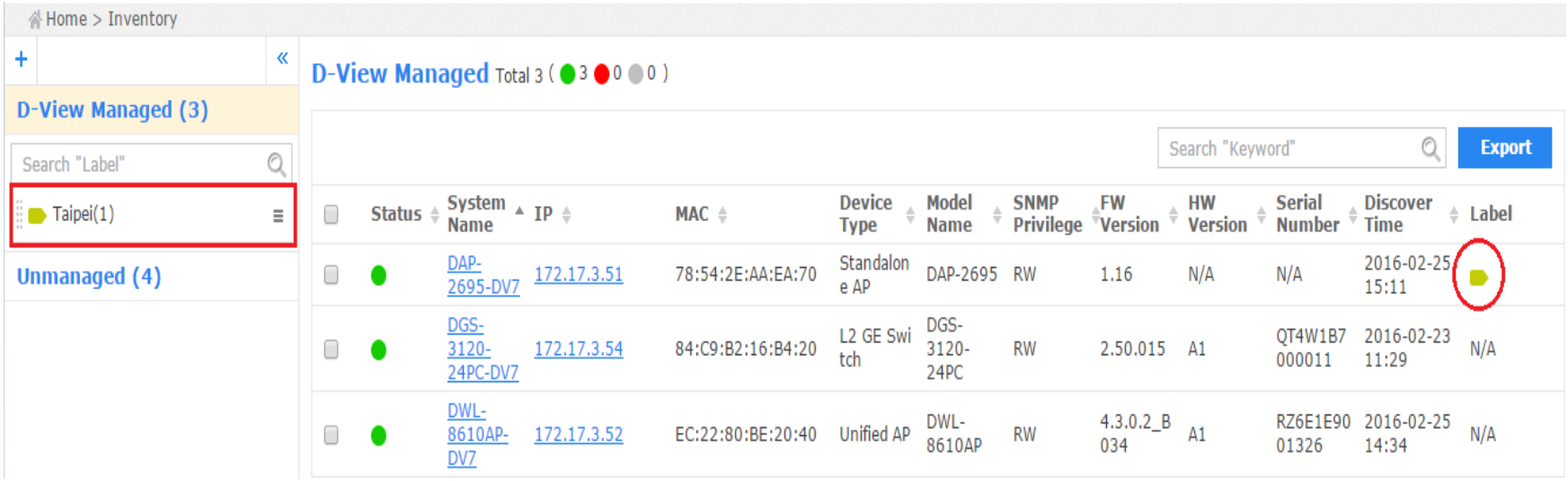
- Step 4: Build association between device and label, by using the checkbox to select device. Then, we can pull down Label list and select “Taipei.” Click Apply.





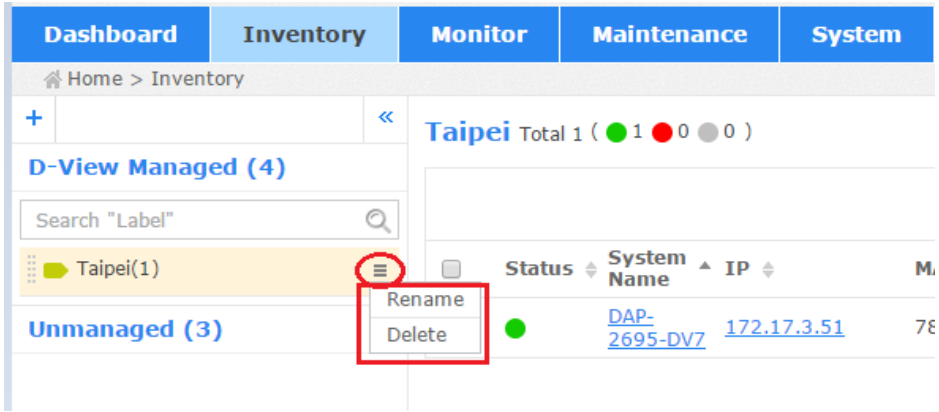
Device Labels Configurations (5/5)

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



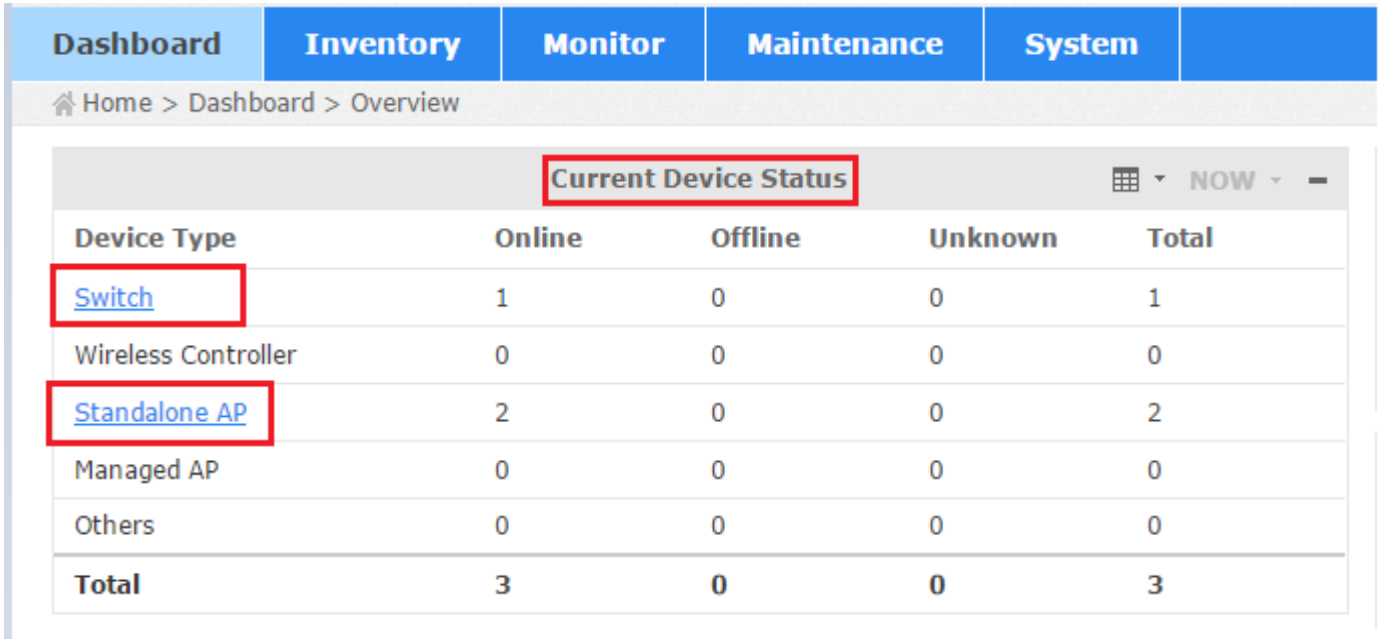
Device Label Changes

- 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



Current Device Status

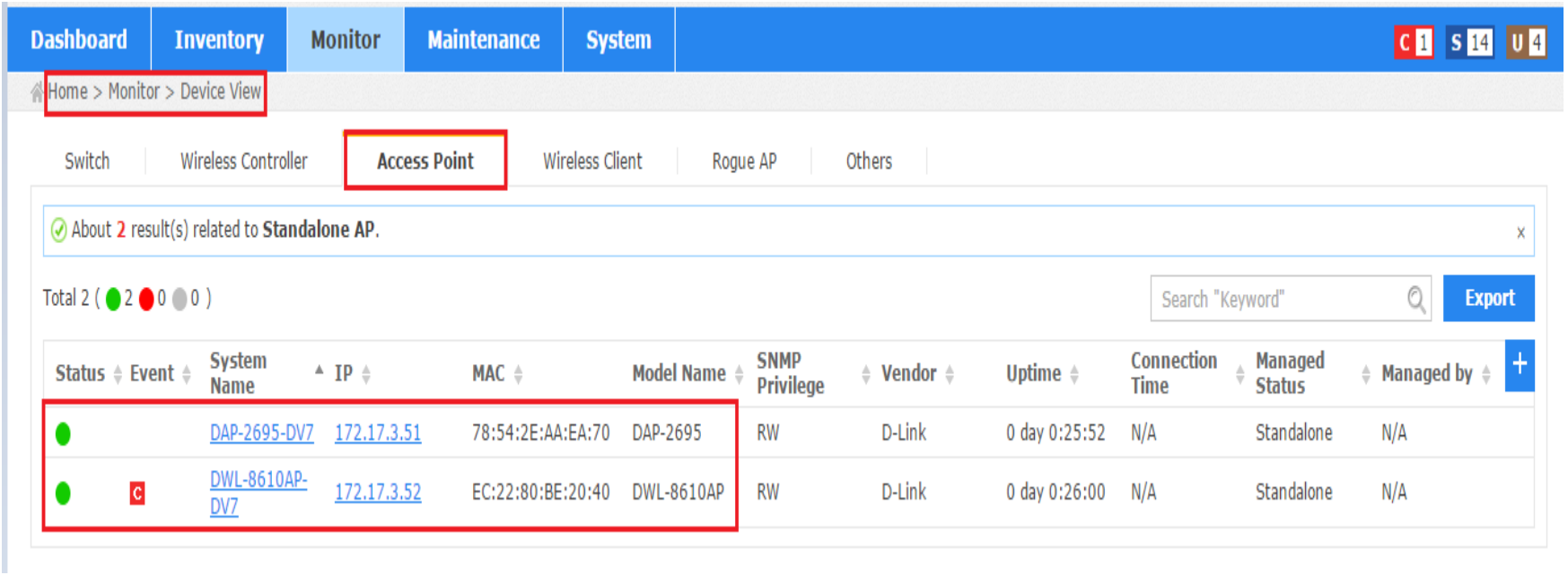
- Q: In addition to Inventory, where-else can we view the summary of “Current Device Status?”
- A: Please go to menu: Dashboard > Overview, then, you can see the summary information, on-line/off-line devices



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**

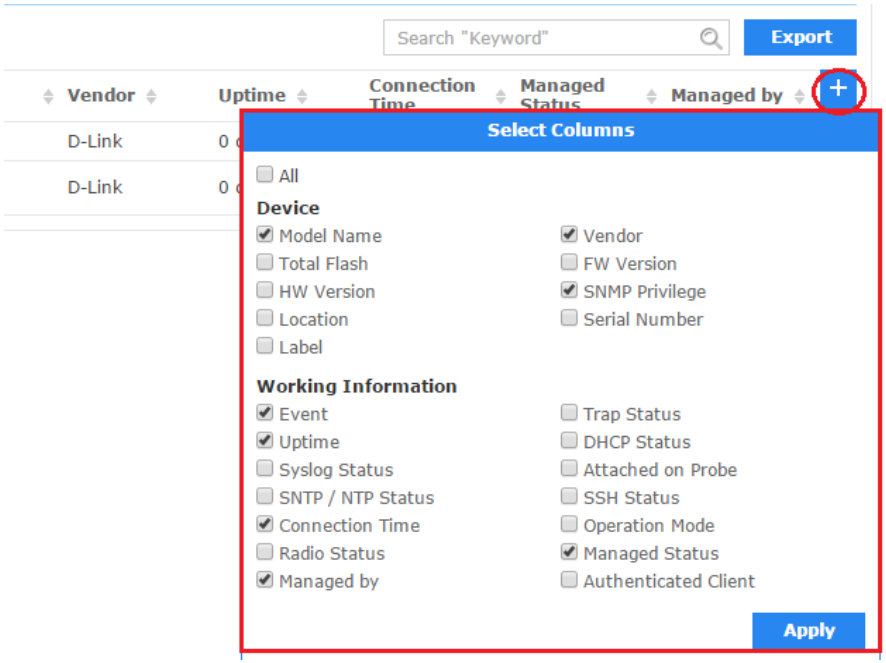
Device View

- 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



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



D-View 7 Configurations

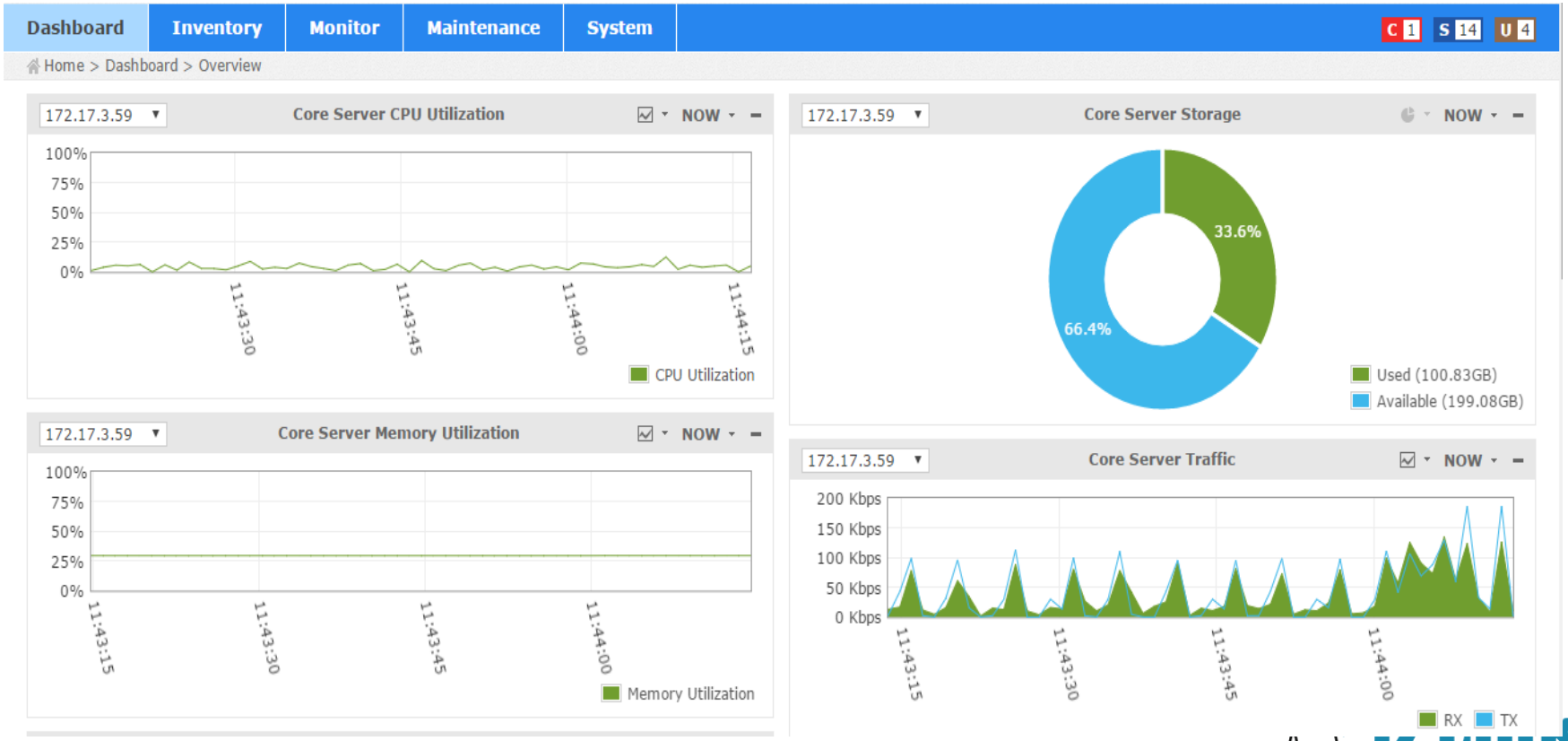
- D-View 7 Inventory
- Device Label
- Device Status
- Core Server Activities

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

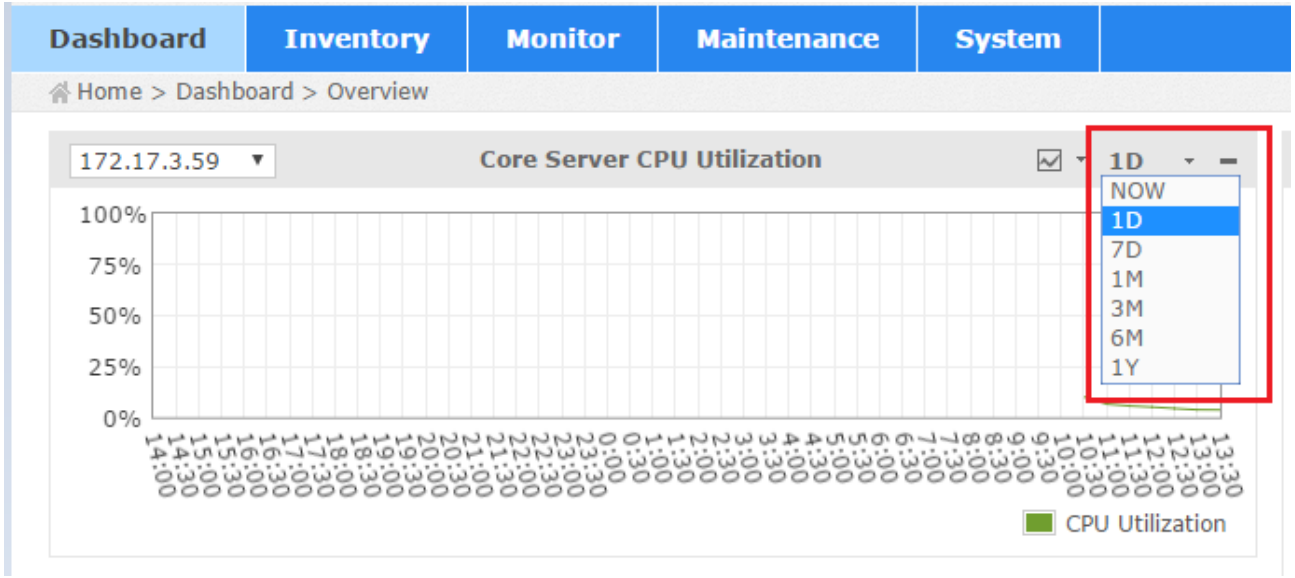
Core Server

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



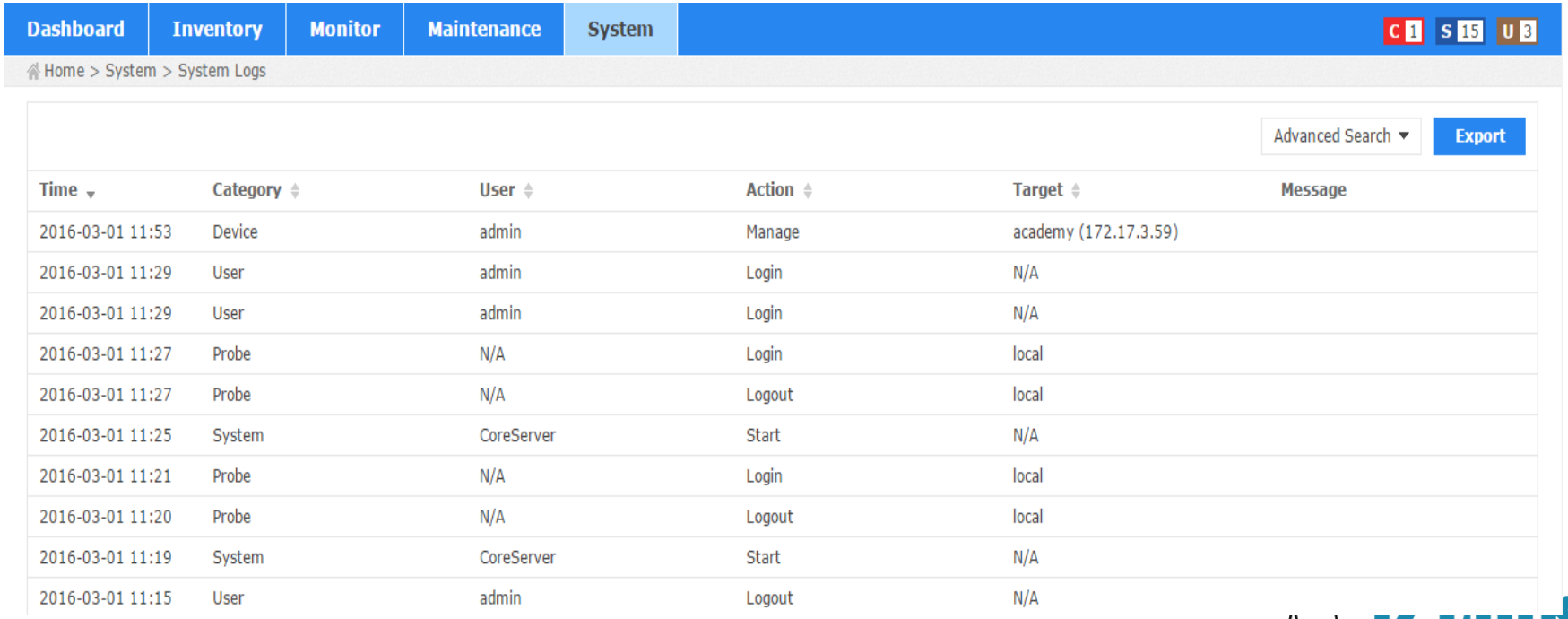
Core Server CPU Utilization

- 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

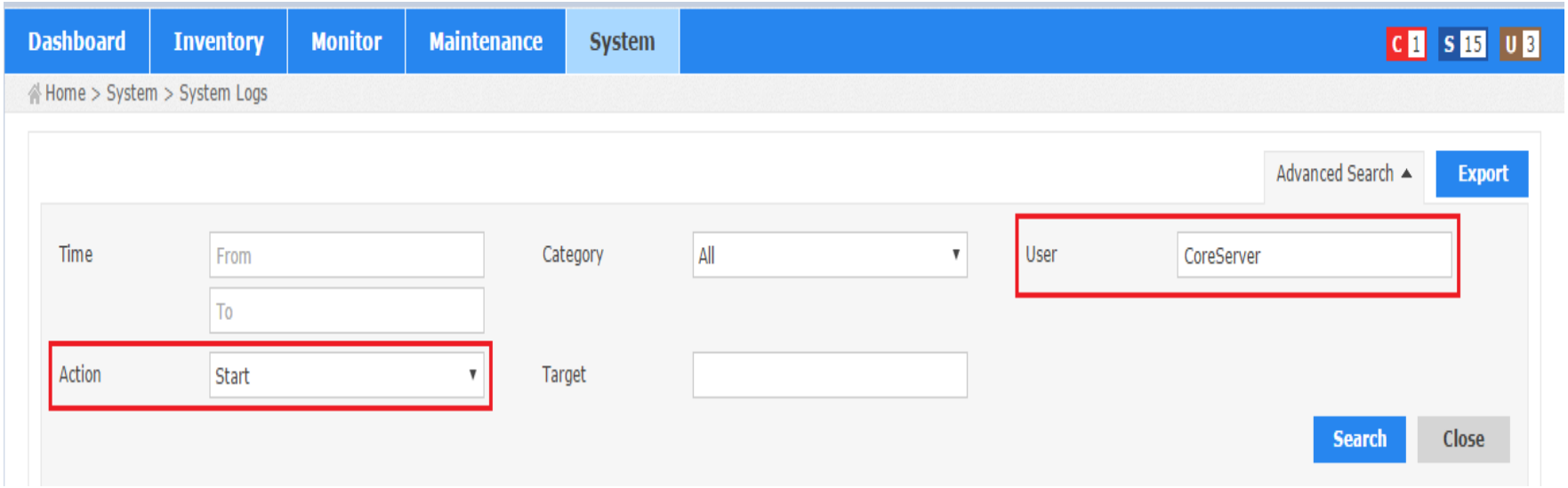
- Core Server System Log
- The system logs view shows a list of all events that have been taken place on the D-View 7
- Menu: Home > System > System Logs



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



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!