D-View 7 Configuration Guide (Part III)

D-Link Academy

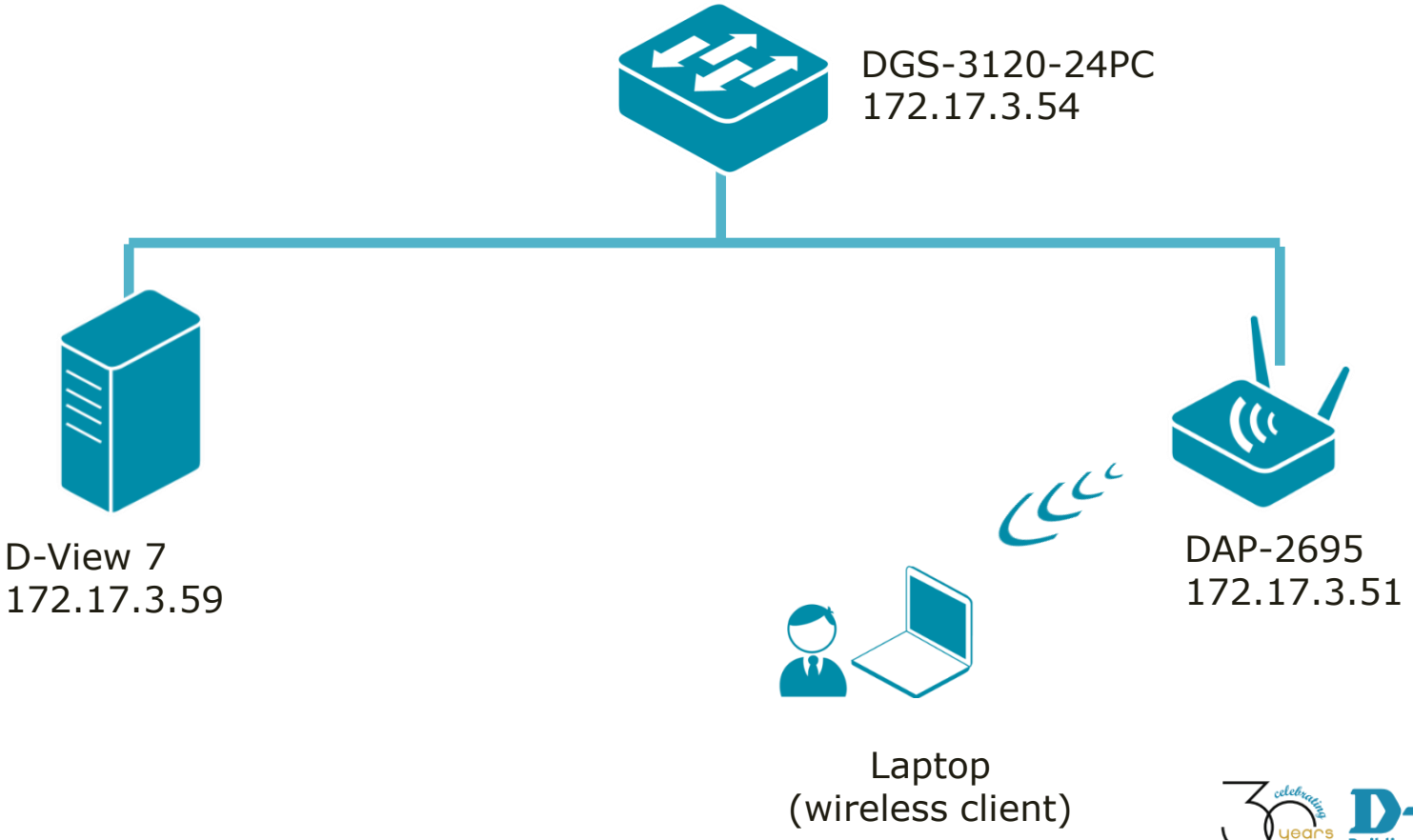
Preface

- Objective: The documentation presents D-View 7 Config Template and Sensor Alarm 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
  - 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)

Configuration Guide

- Batch Config
- AP Template – Wireless Configuration
- AP Template – Security Configuration
- AP Template – Multi SSID Configuration
- AP Template – Wireless MAC ACL Configuration
- Sensor Alarm and Event View

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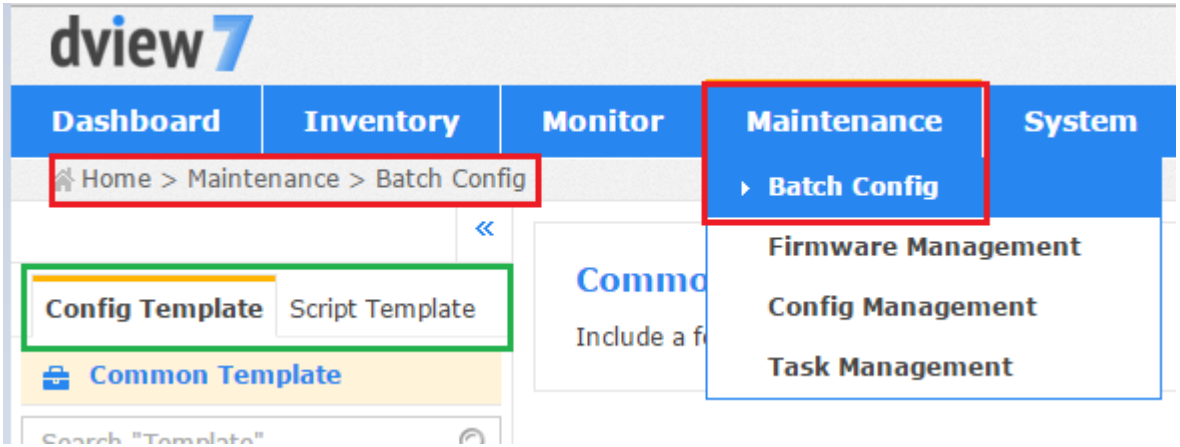
Batch Config

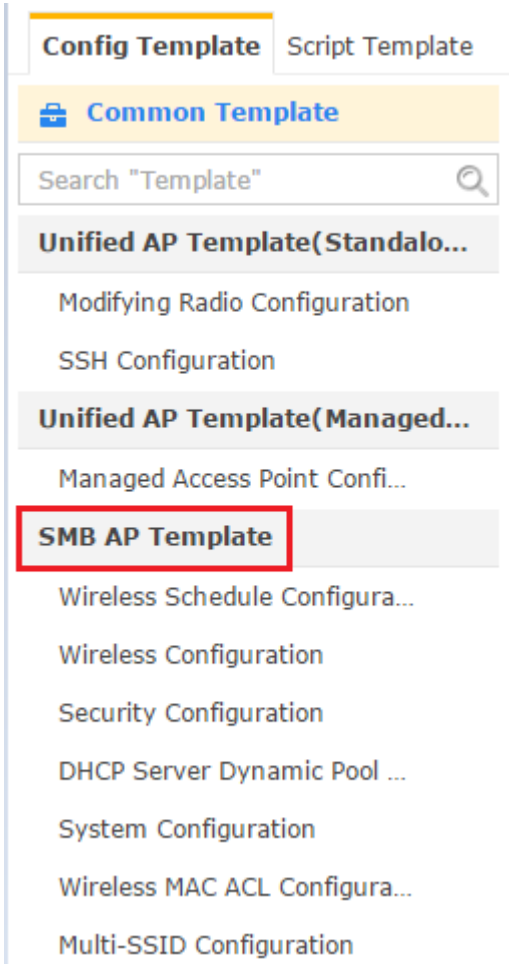
- In D-View 7, Batch Config is available via the menu: Home > Maintenance > Batch Config



- There are two types of Batch Config
  - Config Template
  - Script Template

Config Template

- In Config Template, four categories are presented
  - Unified AP Template (Standalone Mode)
  - Unified AP Template (Managed Mode)
  - SMB AP Template
  - Wireless Switch and Controller Template
- This article mainly focuses on the configuration examples of “SMB AP Template”



Configuration Guide

- Batch Config
- AP Template – Wireless Configuration
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- AP Template – Wireless MAC ACL Configuration
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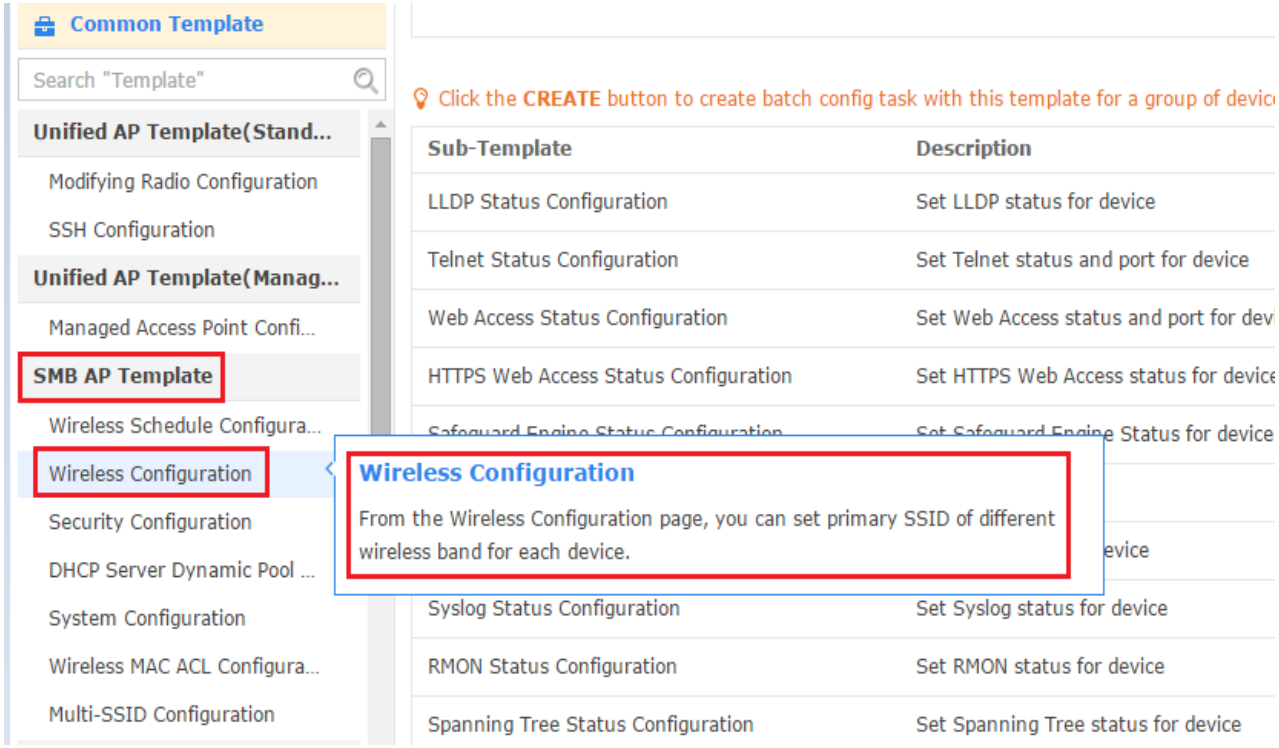
Wireless Configuration

- Wireless Configuration (1/13)
- Scenario: You plan to configure DAP-2660 wireless settings, as such a wireless client is able to connect to Internet
- Key information regarding this request
  - Wireless Band: 2.4GHz
  - SSID: KingGeorgeI
  - Auto Channel Selection: Enable
  - SSID Visibility: Enable
  - Data Rate: 1
  - Beacon Interval: 300
  - DTIM: 6

Wireless Configuration

- Wireless Configuration (2/13)
- Browse D-View menu: Home > Maintenance > Batch Config
- Select “Wireless Configuration”

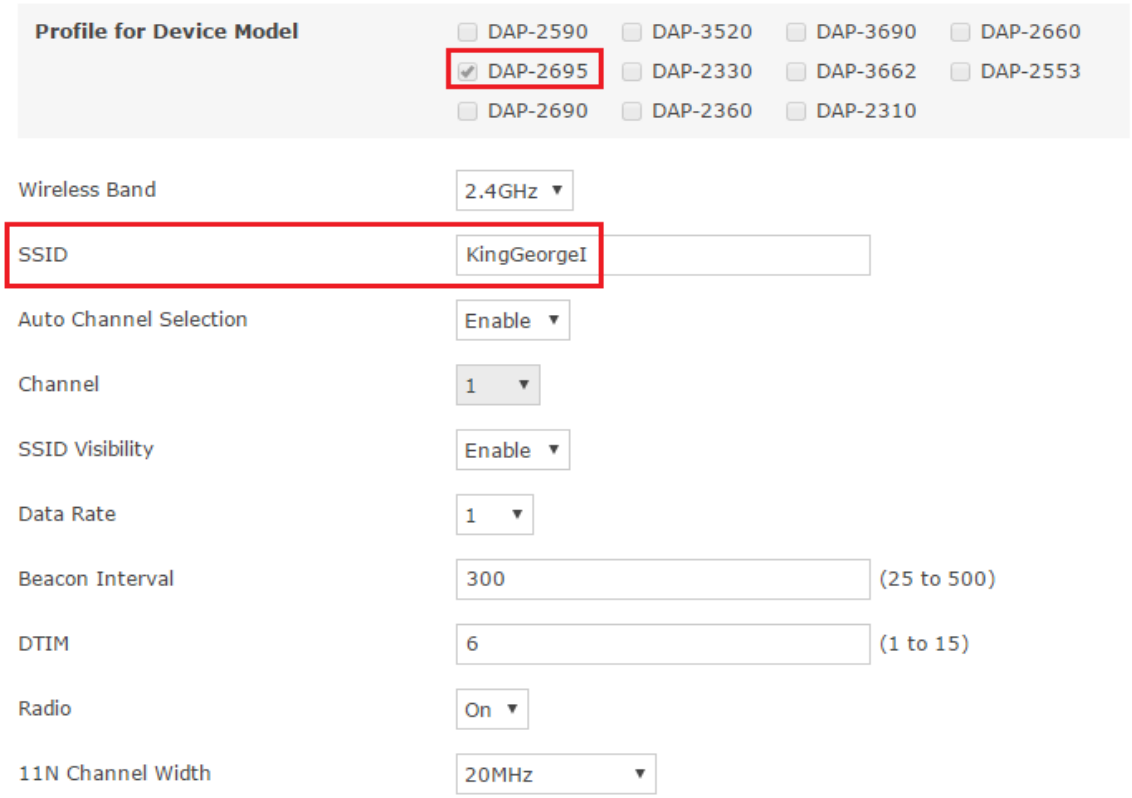


Wireless Configuration

- Wireless Configuration (3/13)
- Please make sure “DAP 2695” is in supported list
- Click “Create”

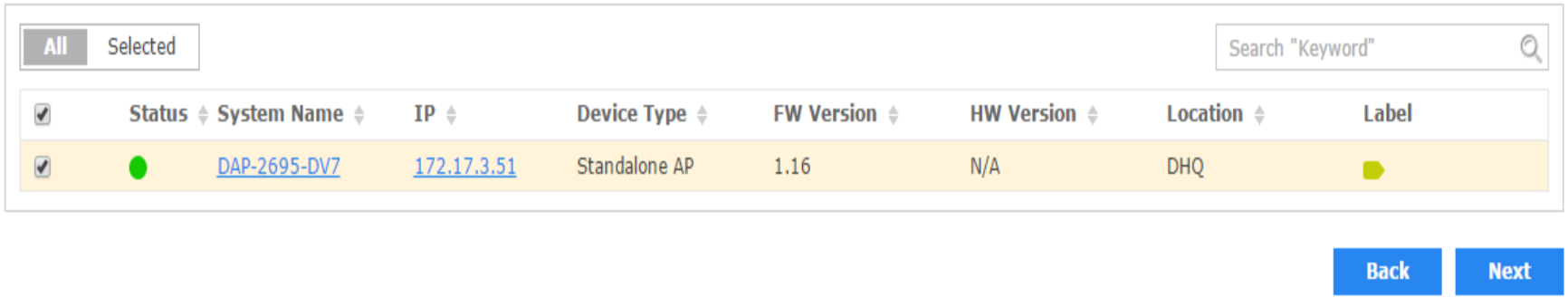
Wireless Configuration

- Wireless Configuration (4/13)
- Please confirm the following settings, click Next



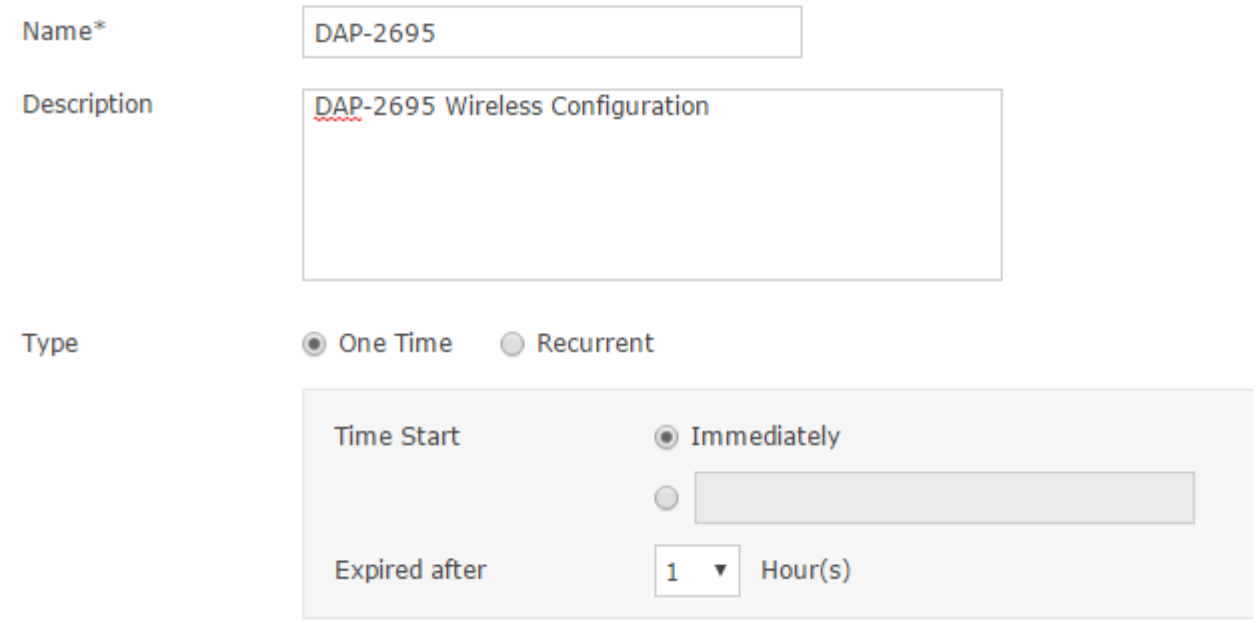
Wireless Configuration

- Wireless Configuration (5/13)
- Make sure DAP-2695 is selected



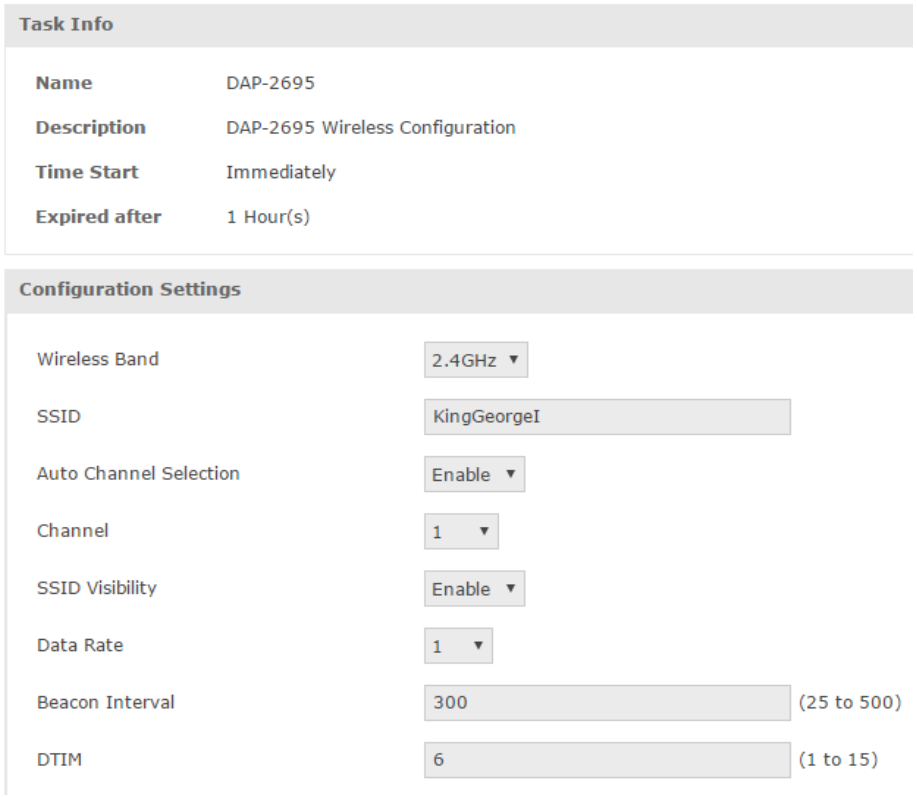
Wireless Configuration

- Wireless Configuration (6/13)
- Set Task Name and Description, Task Type
- Click Next



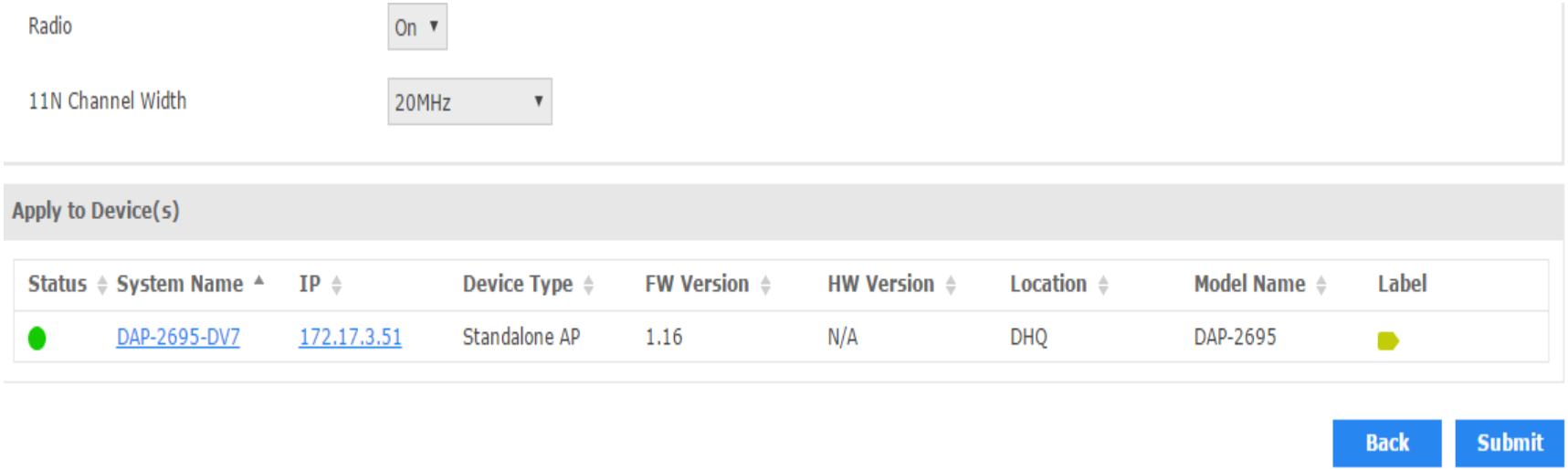
Wireless Configuration

- Wireless Configuration (7/13)
- Confirm the settings



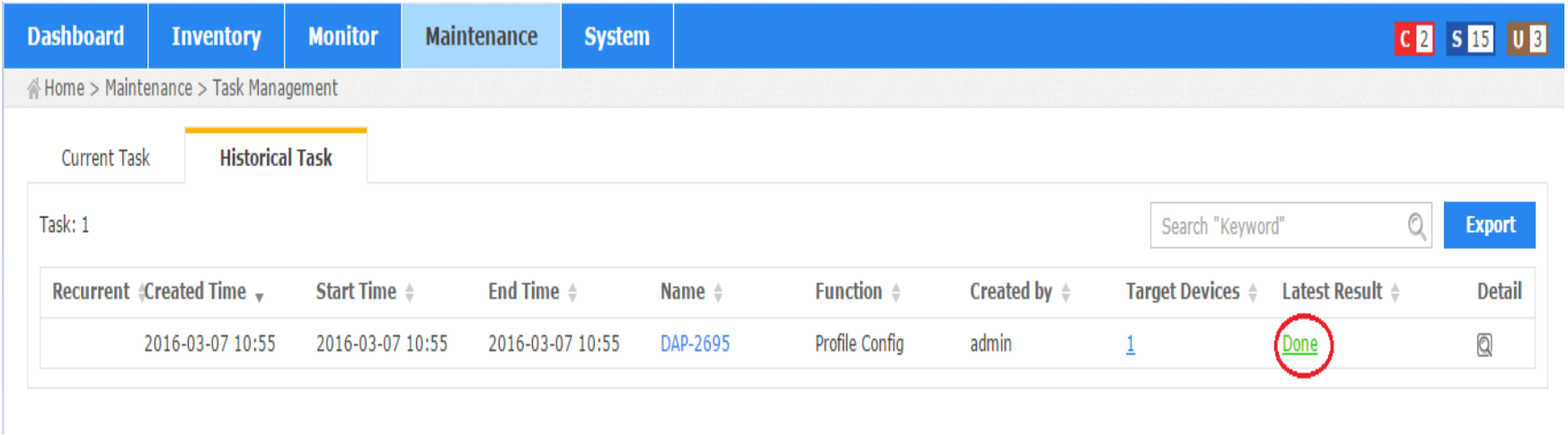
Wireless Configuration

- Wireless Configuration (8/13)
- Confirm the settings and click Submit



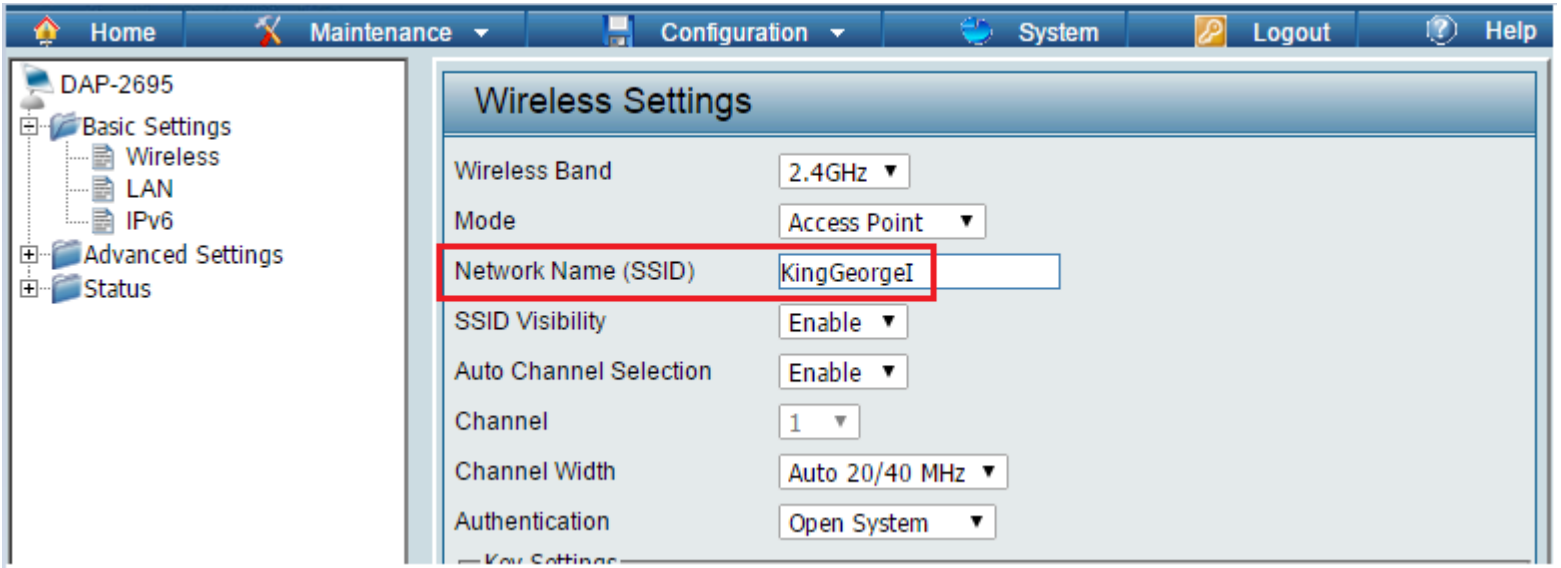
Wireless Configuration

- Wireless Configuration (9/13)
- Check the status of this task
- Browse the menu of Home > Maintenance > Task Management



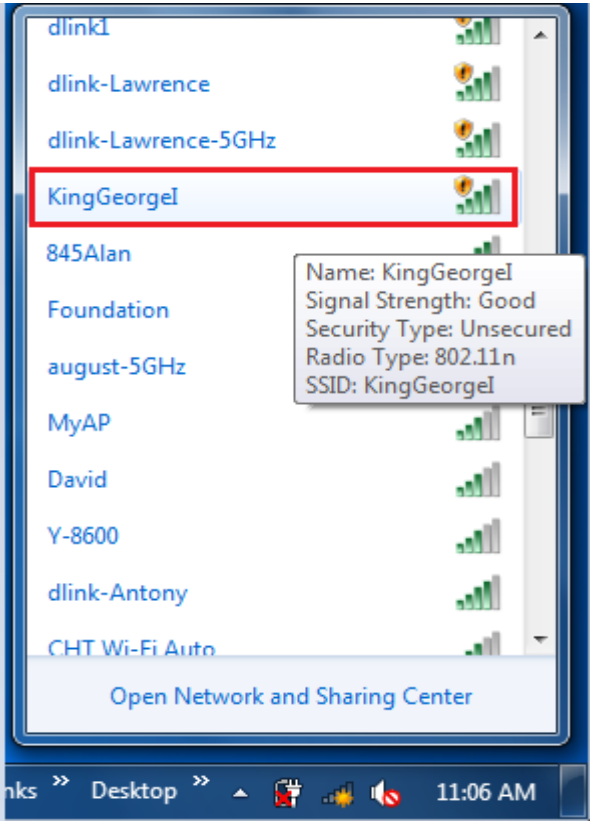
Wireless Configuration

- Wireless Configuration (10/13)
- We can verify this settings via DAP-2695 GUI config



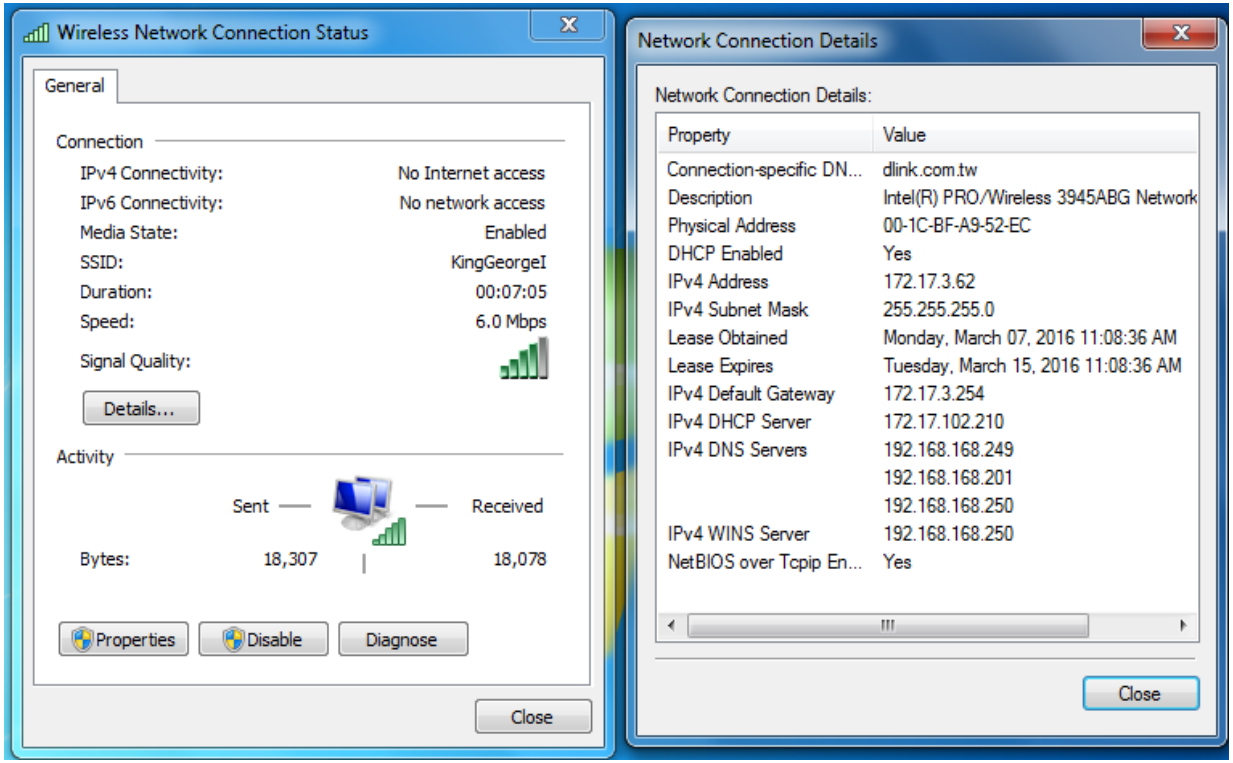
Wireless Configuration

- Wireless Configuration (11/13)
- A user connects to this SSID



Wireless Configuration

- Wireless Configuration (12/13)
- Verify the network settings



Wireless Configuration

- Wireless Configuration (13/13)
- This user is able to browse Internet (academy.dlink.com)

Configuration Guide

- Batch Config
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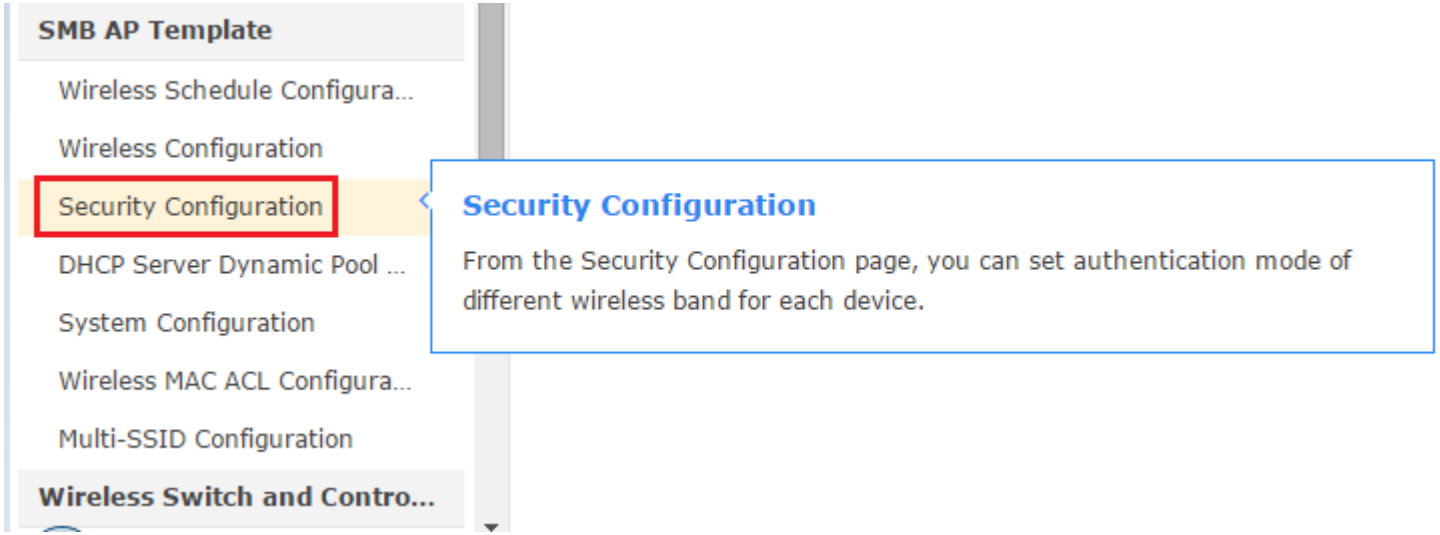
Security Configuration

- Security Configuration (1/10)
- Scenario: You plan to configure DAP-2660 security configuration, as such a wireless client is able to connect to our network
- Key information regarding this request
  - Wireless Band: 2.4GHz
  - SSID: KingGeorgeI
  - Static WEP
  - Key value: dlink

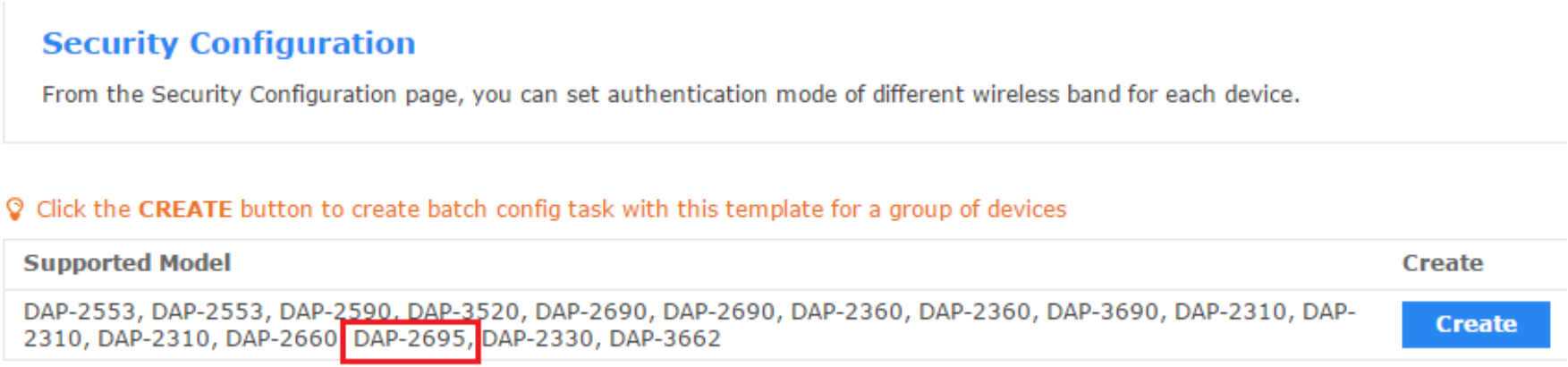
Security Configuration

- Security Configuration (2/10)
- Browse menu: Home > Maintenance > Batch Config



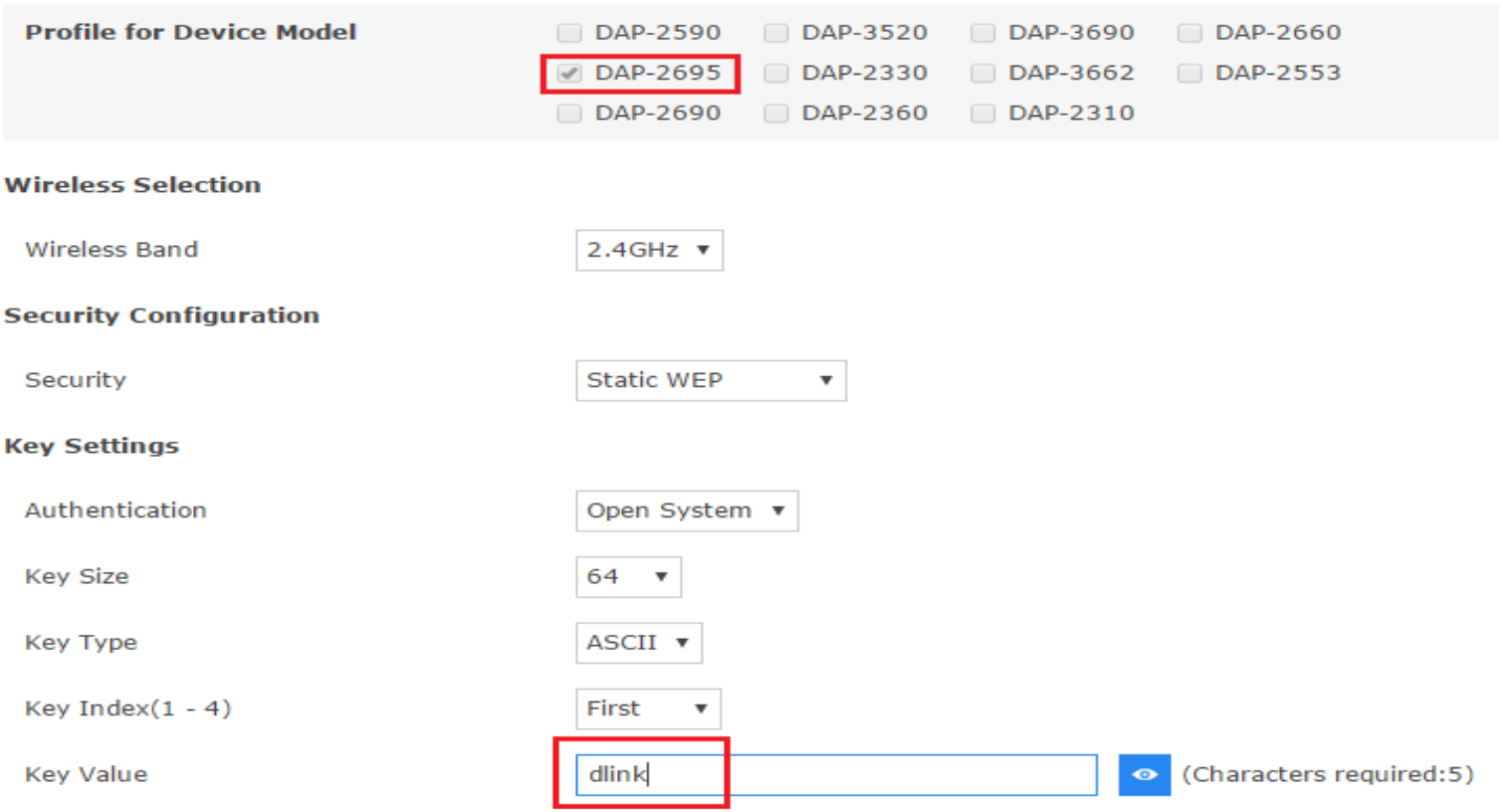
Security Configuration

- Security Configuration (3/10)
- Make sure DAP-2695 is in supported model list
- Click create



Security Configuration

- Security Configuration (4/10)
- Input the security characters and click Next

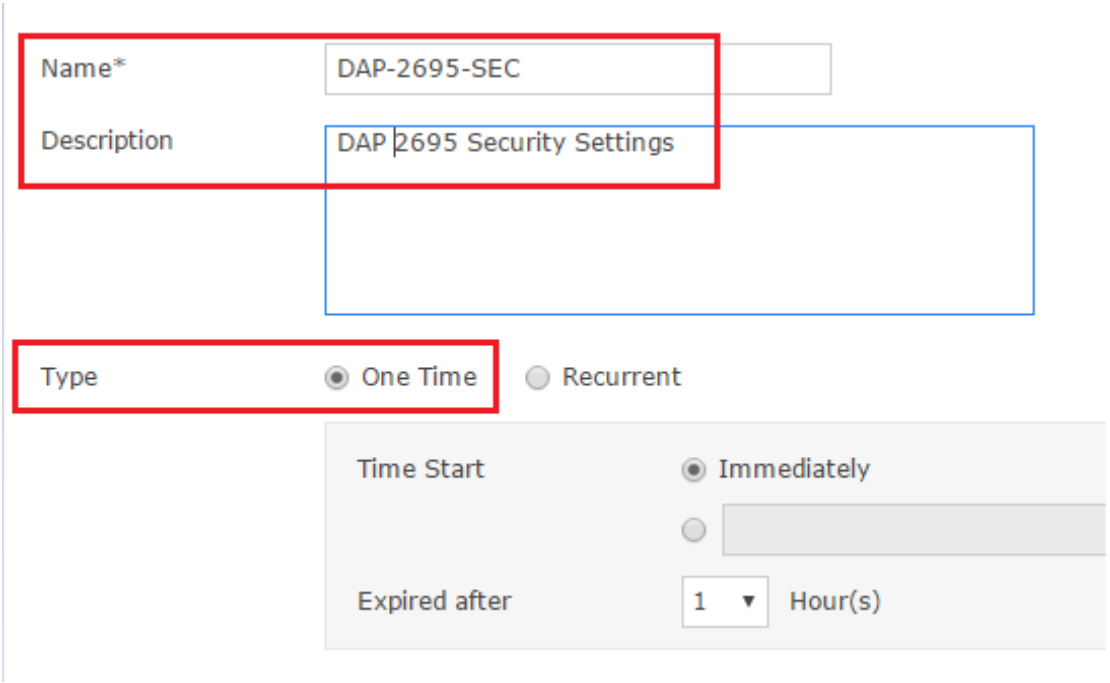


Security Configuration

- Security Configuration (5/10)
- Make sure DAP-2695 is selected
- Click Next

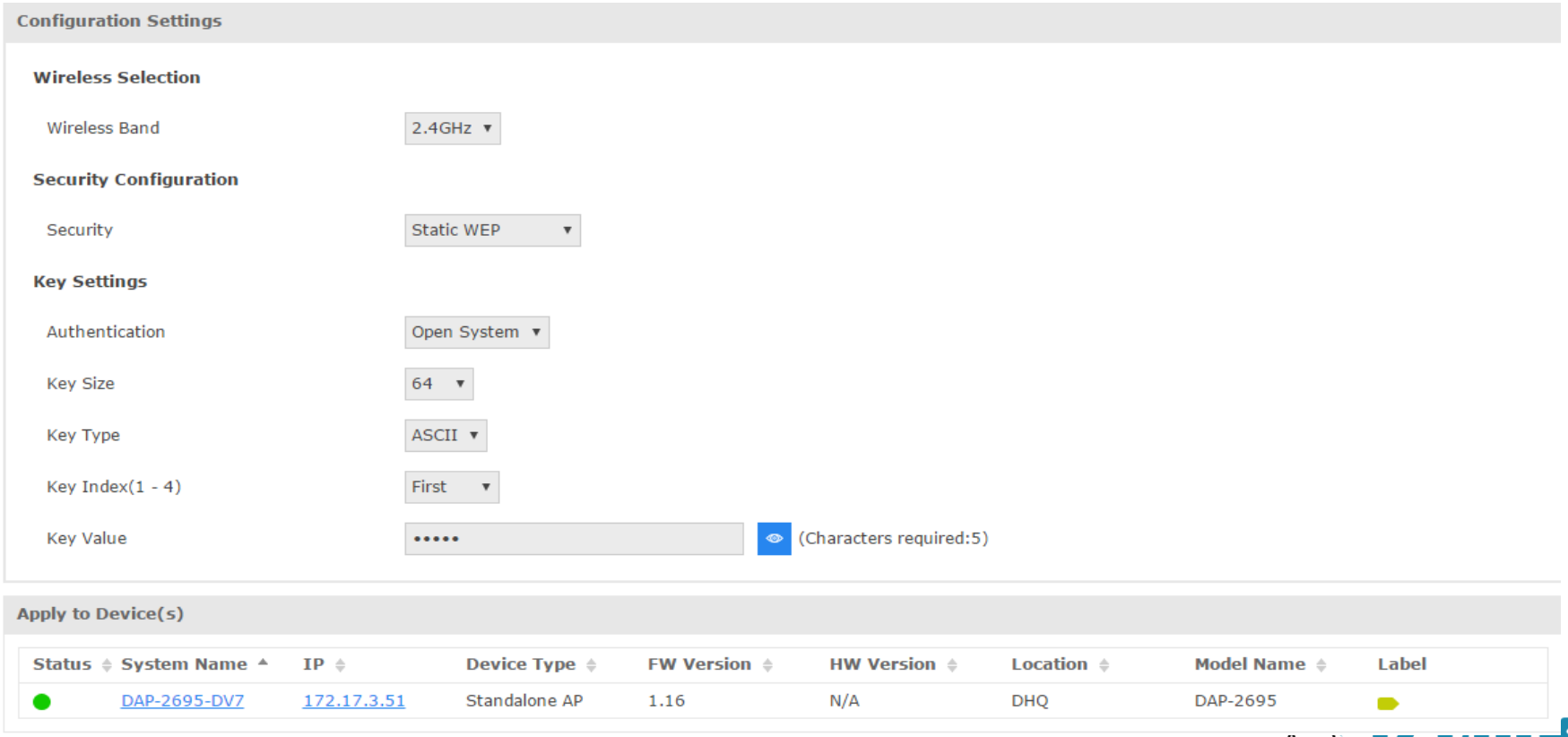
Security Configuration

- Security Configuration (6/10)
- Define Task details, as shown below
- Click Next



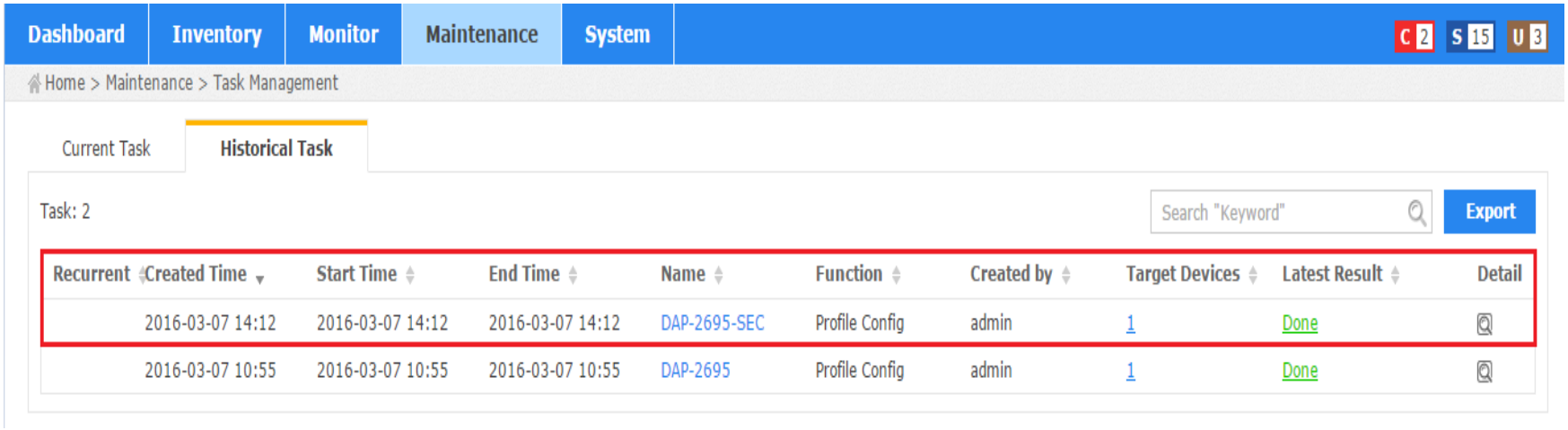
Security Configuration

- Security Configuration (7/10)
- Confirm the settings and Click Submit



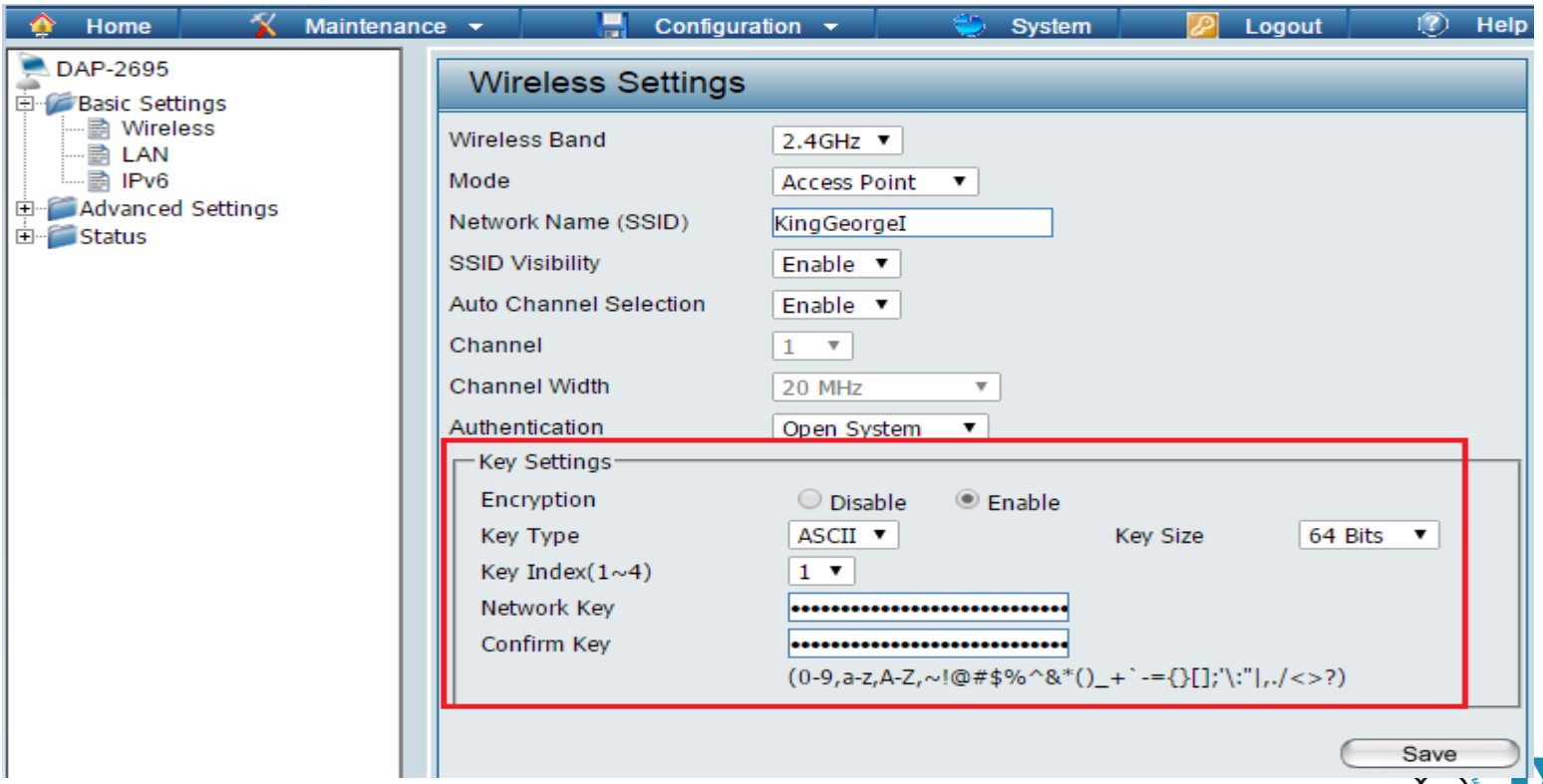
Security Configuration

- Security Configuration (8/10)
- Verify Task status



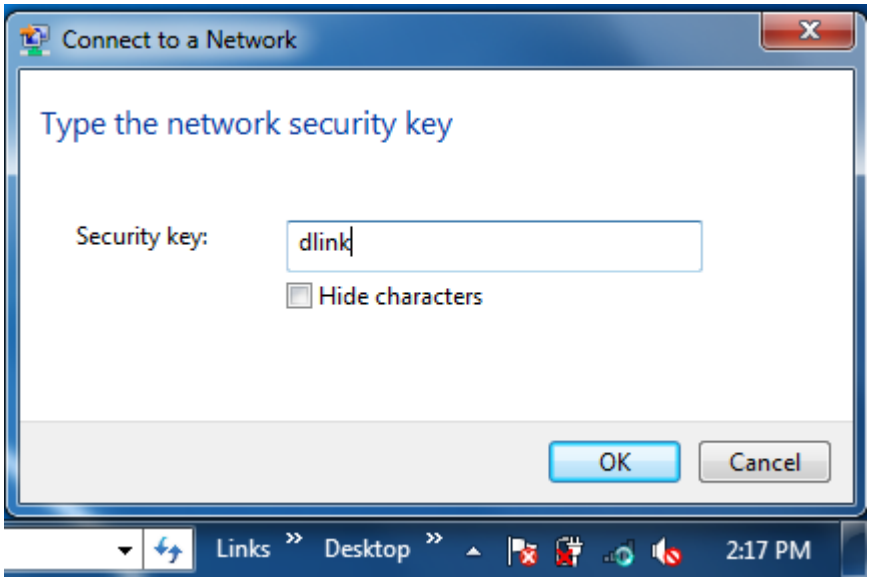
Security Configuration

- Security Configuration (9/10)
- DAP-2695 GUI configuration



Security Configuration

- Security Configuration (10/10)
- The wireless user connect to this SSID and input WEP key



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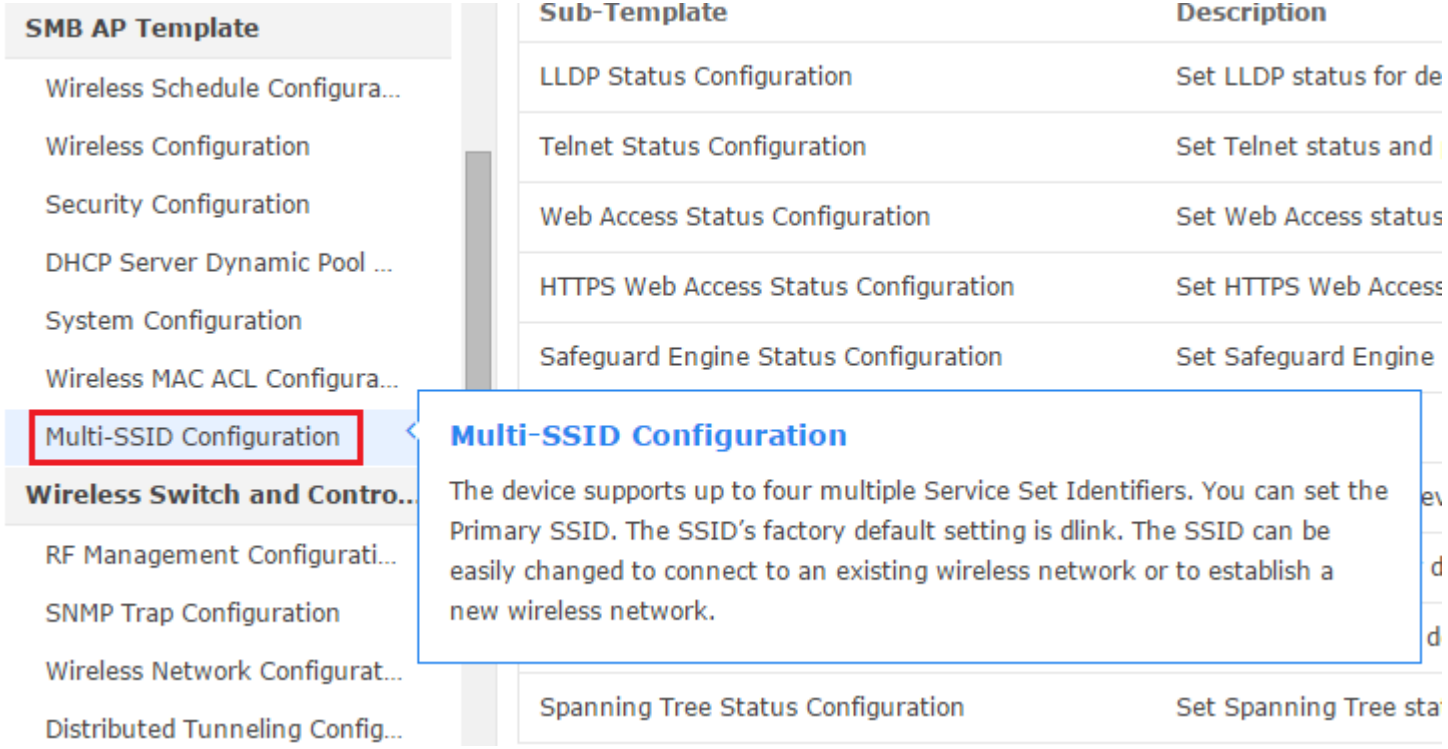
Multi SSID Configuration

- Multi SSID Configuration (1/11)
- Scenario: You plan to configure DAP-2695 Multiple SSID Configuration.
- Key information regarding this request
  - Wireless Band: 2.4GHz
  - SSID: KingEdwardII
  - Auto Channel Selection: Enable
  - SSID Visibility: Enable
  - Security: None

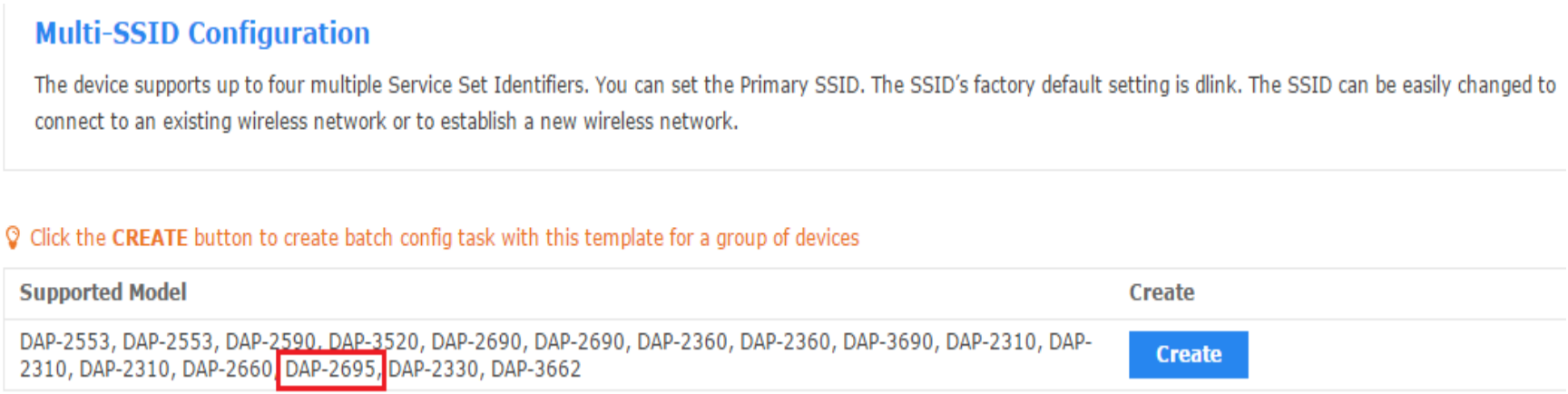
Multi SSID Configuration

- Multi SSID Configuration (2/11)
- Browse the menu: Home > Maintenance > Batch Config



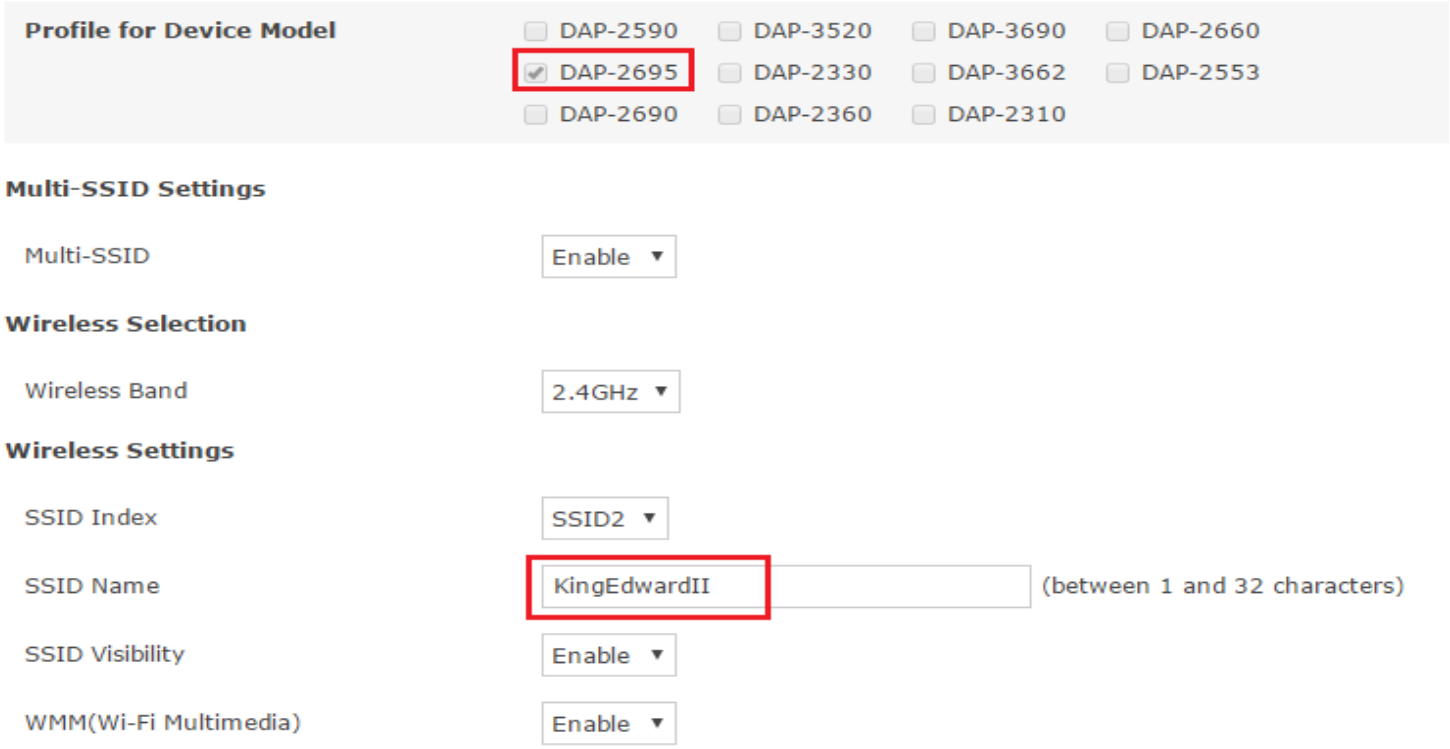
Multi SSID Configuration

- Multi SSID Configuration (3/11)
- Make sure this AP is in supported model list, click Create



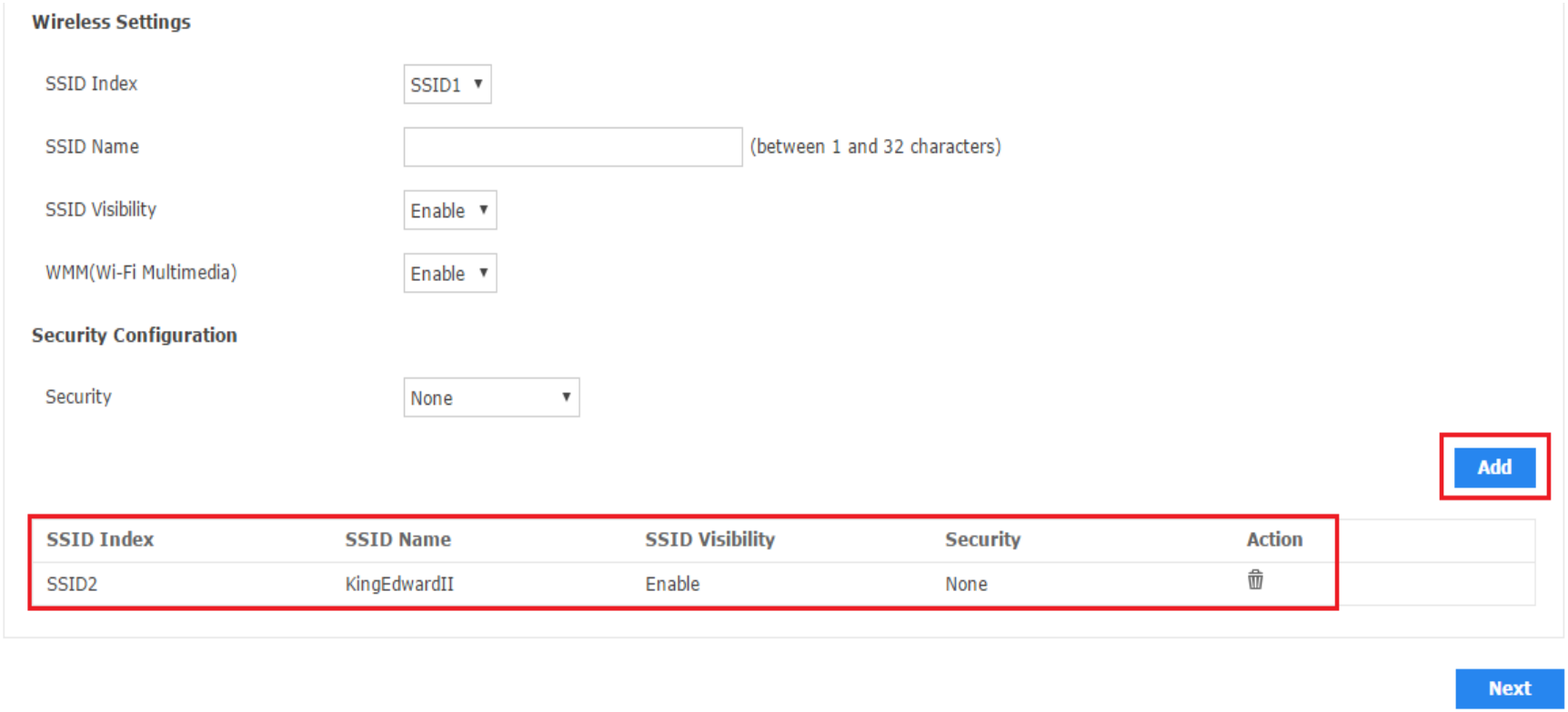
Multi SSID Configuration

- Multi SSID Configuration (4/11)
- Configure the wireless settings



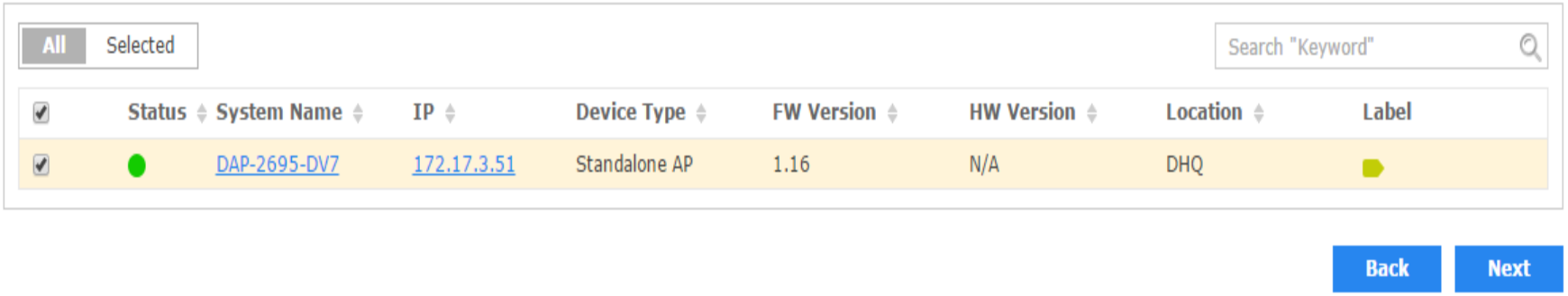
Multi SSID Configuration

- Multi SSID Configuration (5/11)
- Click Add and verify the configurations, click Next



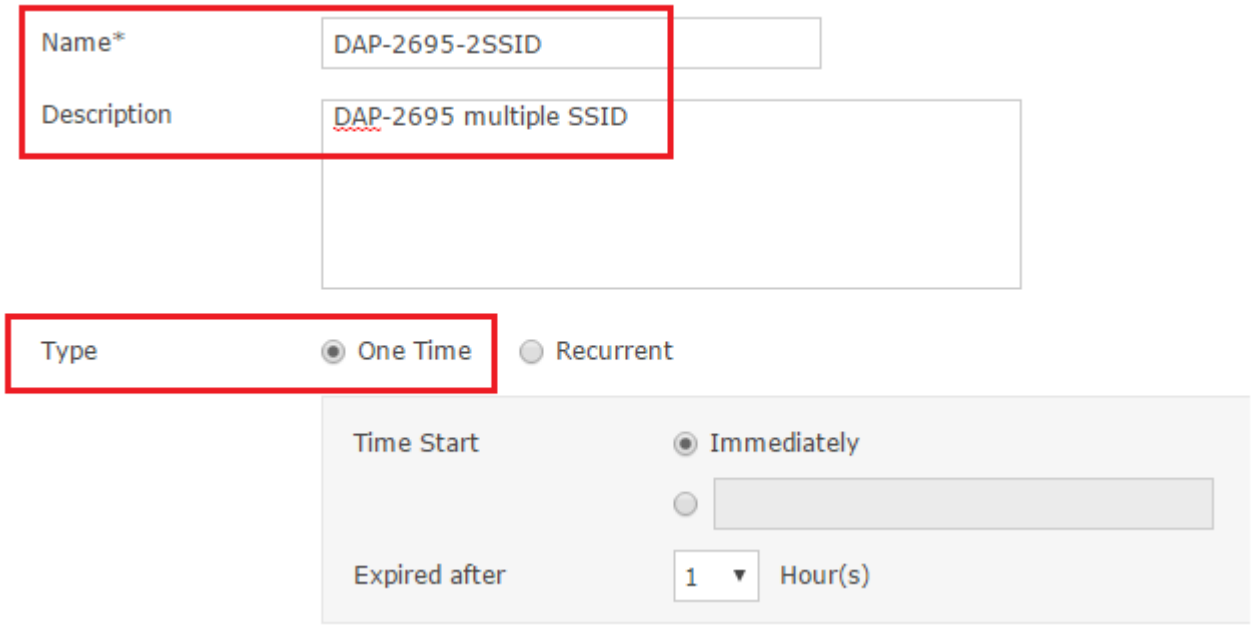
Multi SSID Configuration

- Multi SSID Configuration (6/11)
- Make sure DAP-2695 is selected



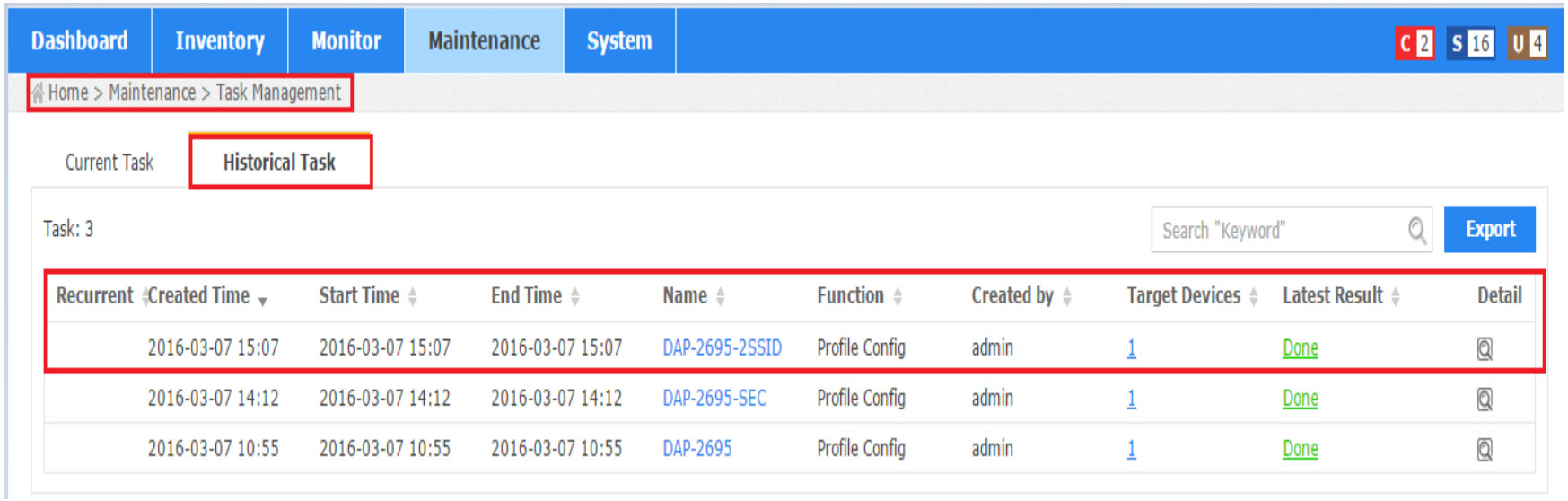
Multi SSID Configuration

- Multi SSID Configuration (7/11)
- Set Task Details, then click Next



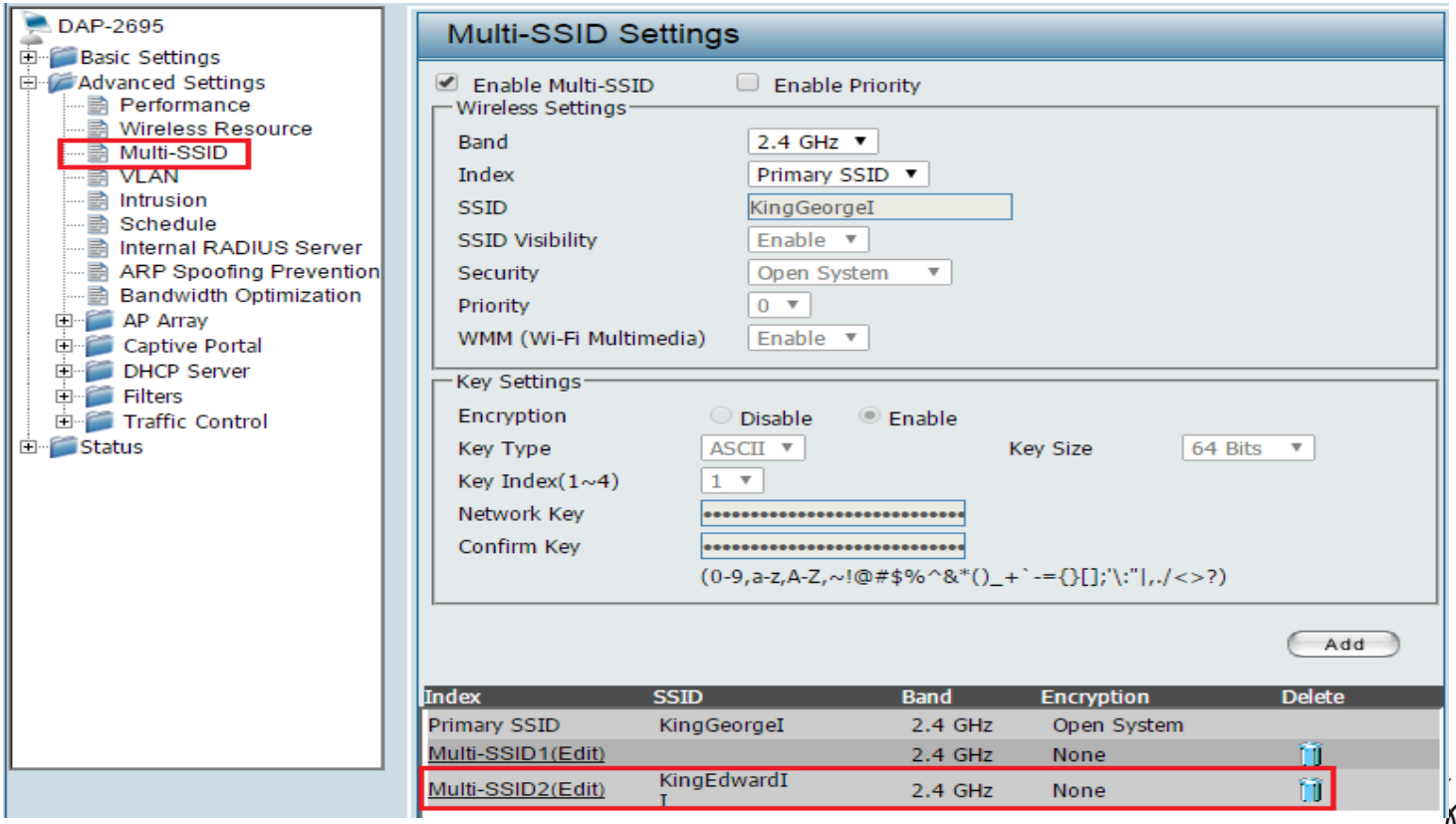
Multi SSID Configuration

- Multi SSID Configuration (8/11)
- Confirm that task is finished
- Browse the menu Home > Maintenance > Task Management



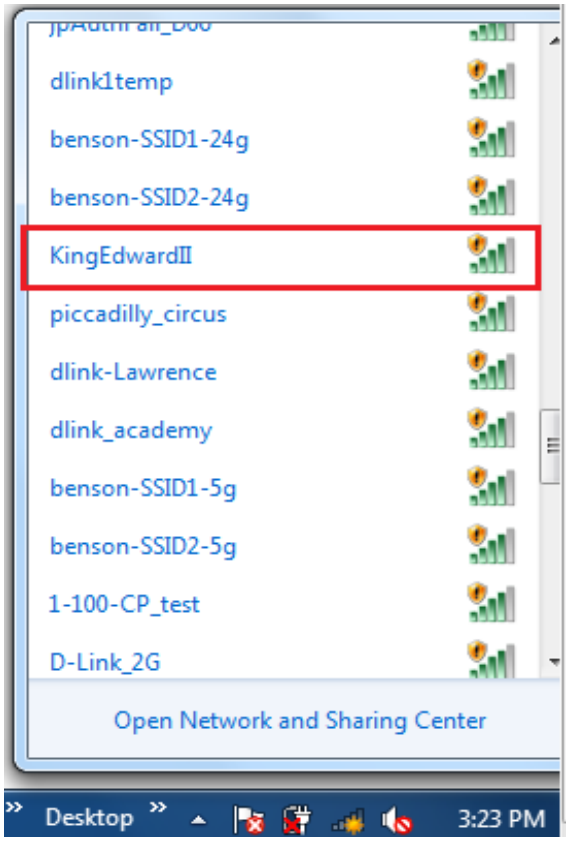
Multi SSID Configuration

- Multi SSID Configuration (9/11)
- Verify settings from DAP-2695 GUI config



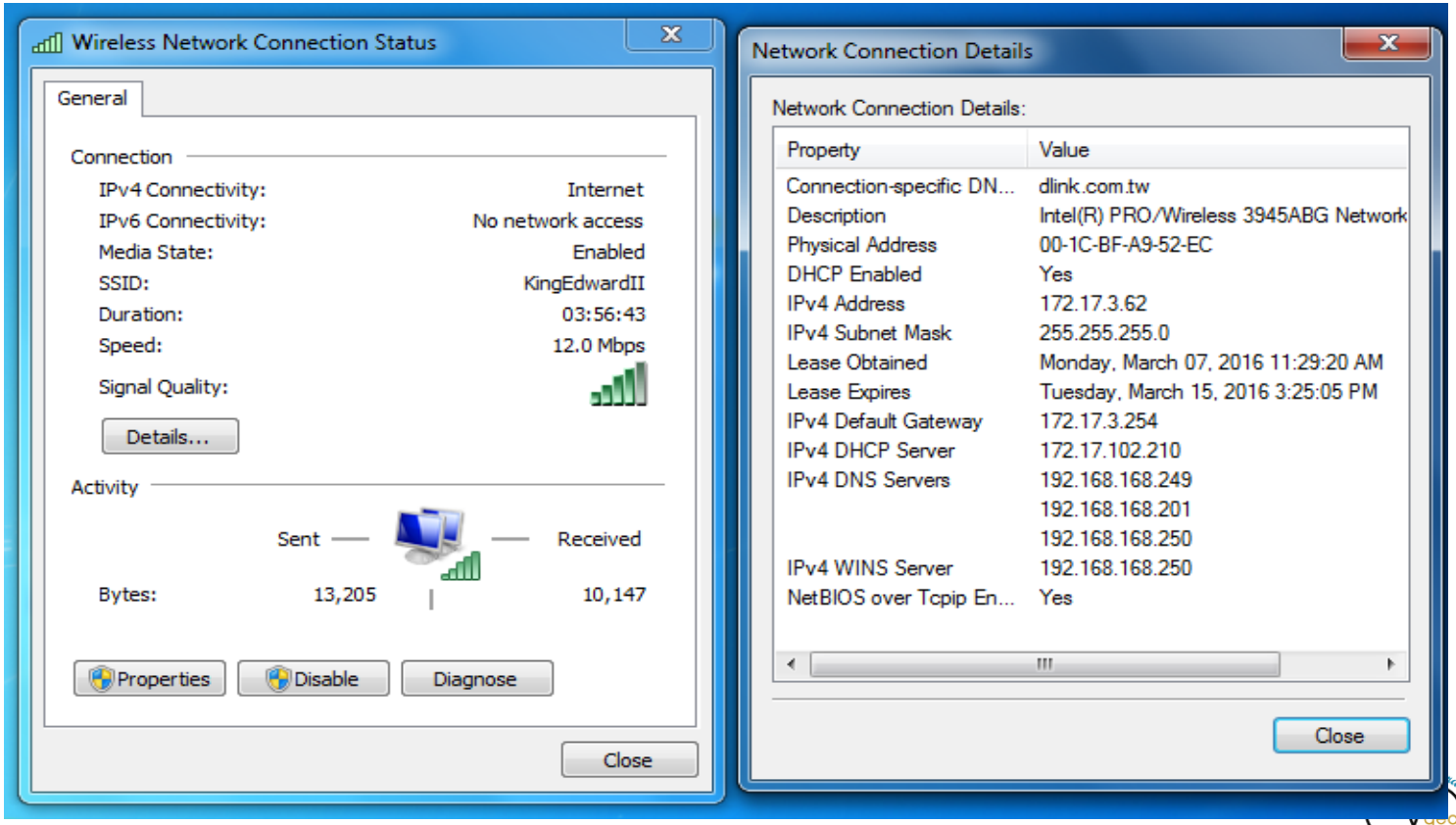
Multi SSID Configuration

- Multi SSID Configuration (10/11)
- A wireless client connected to KingEdwardII SSID



Multi SSID Configuration

- Multi SSID Configuration (11/11)
- Verify this wireless client network settings



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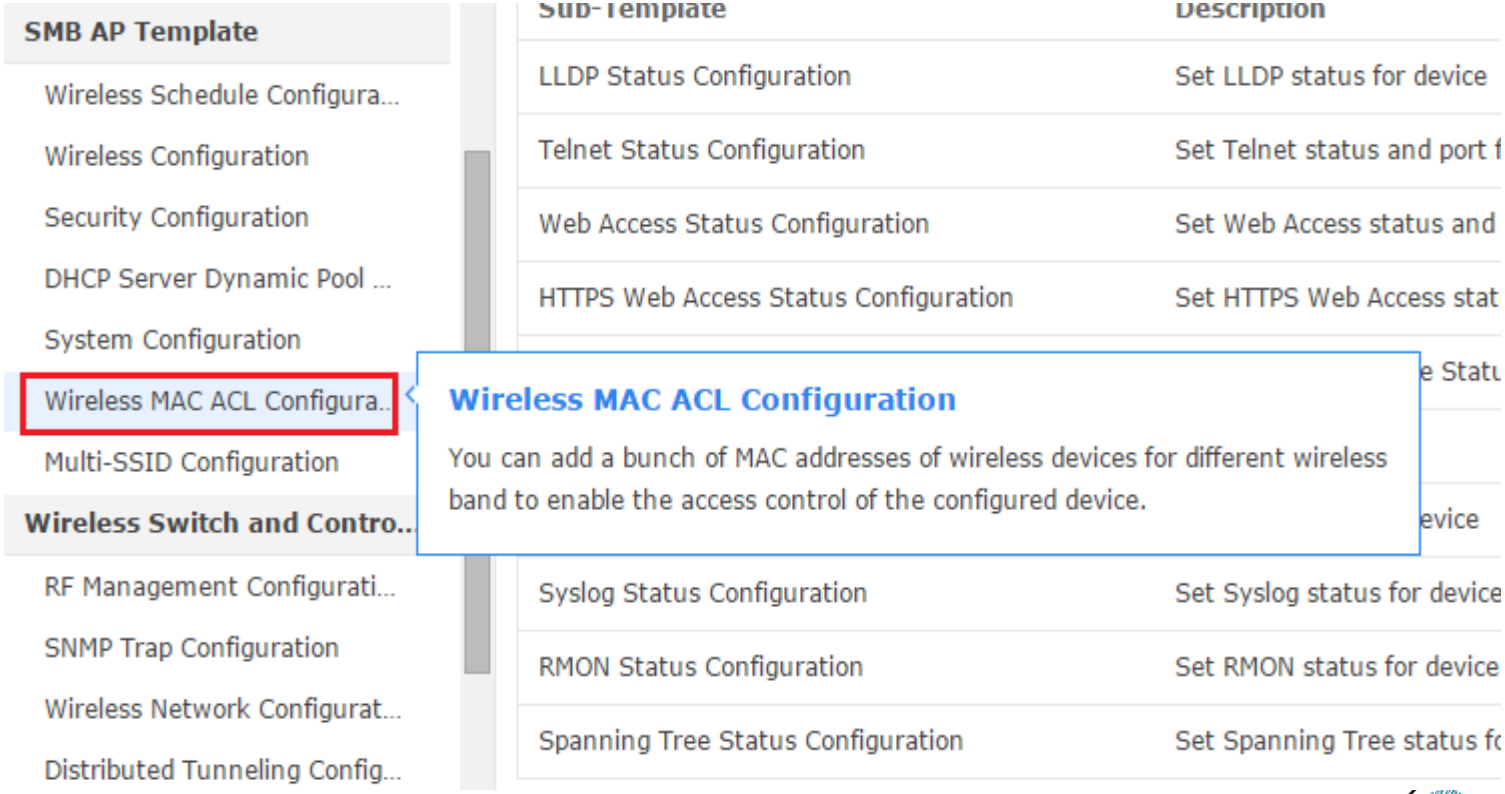
Wireless MAC ACL Configuration

- Wireless MAC ACL Configuration (1/8)
- Scenario: You plan to use D-View 7’s batch config in setting up Wireless MAC ACL Configuration. As such, a wireless client can not connect to that AP

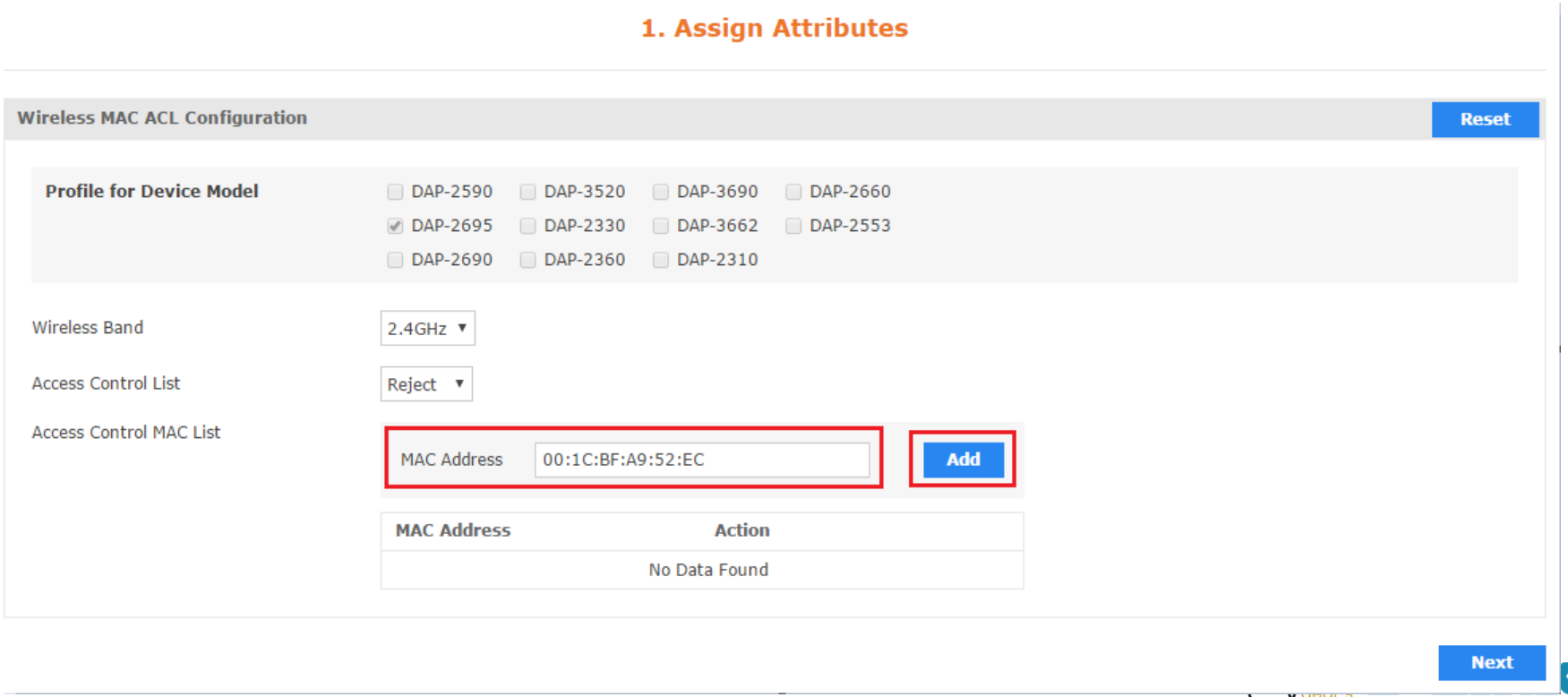
Wireless MAC ACL Configuration

- Wireless MAC ACL Configuration (2/8)
- Browse menu: Home > Maintenance > Batch Config



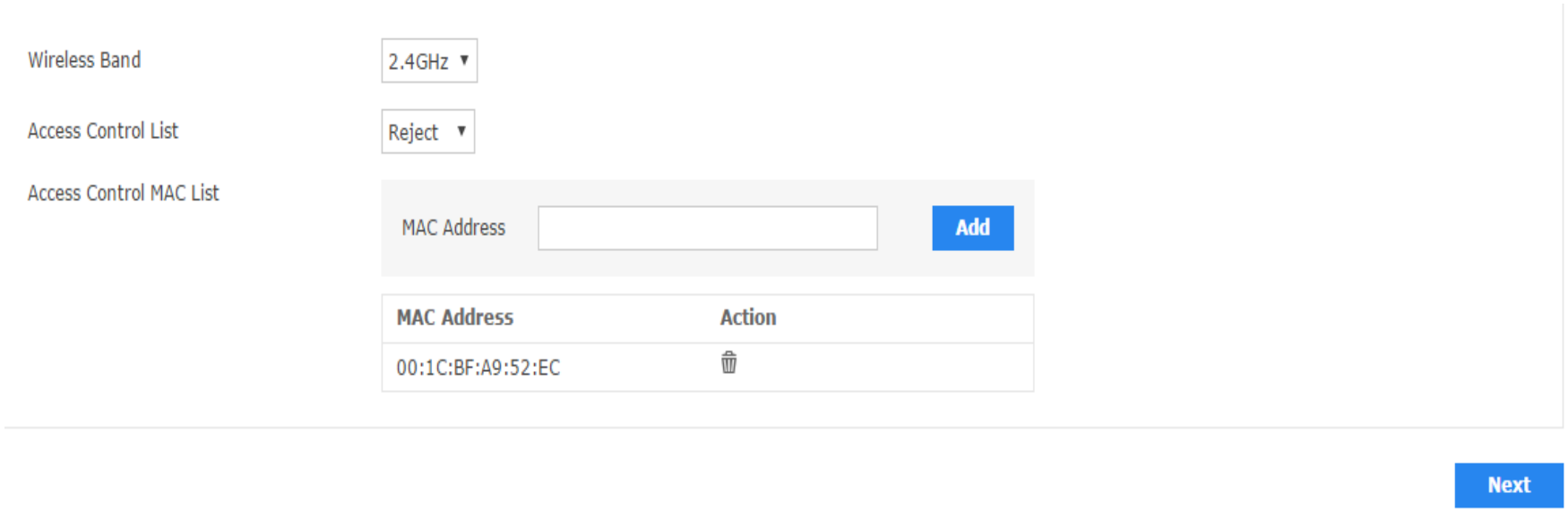
Wireless MAC ACL Configuration

- Wireless MAC ACL Configuration (3/8)
- Assign Attributes (reject the client with MAC: 00:1C:BF:A9:52:EC)



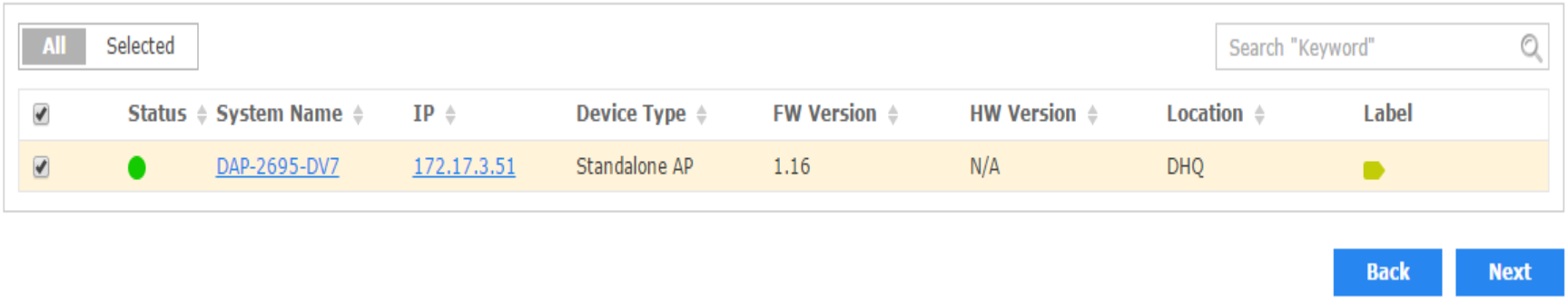
Wireless MAC ACL Configuration

- Wireless MAC ACL Configuration (4/8)
- Click Add to add this record, then, then click Next



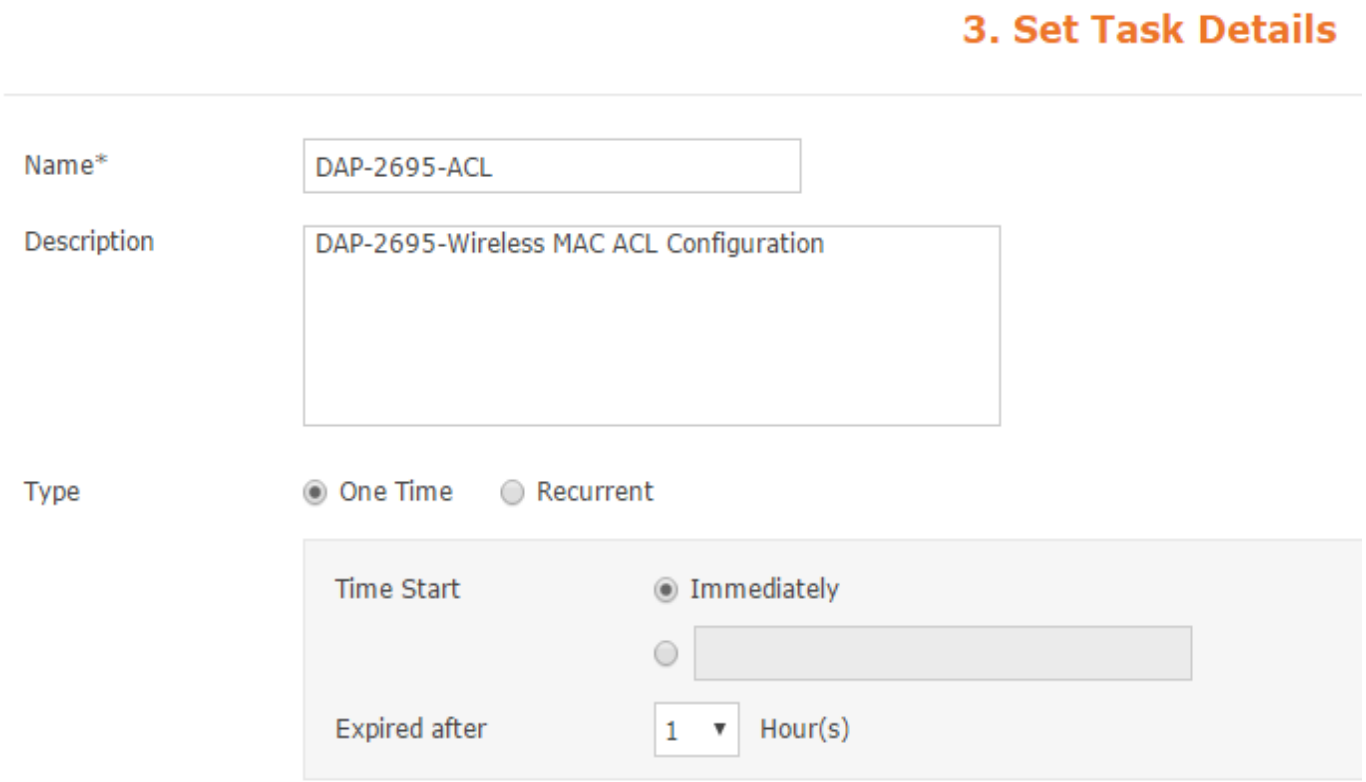
Wireless MAC ACL Configuration

- Wireless MAC ACL Configuration (5/8)
- Make sure DAP-2695 is selected



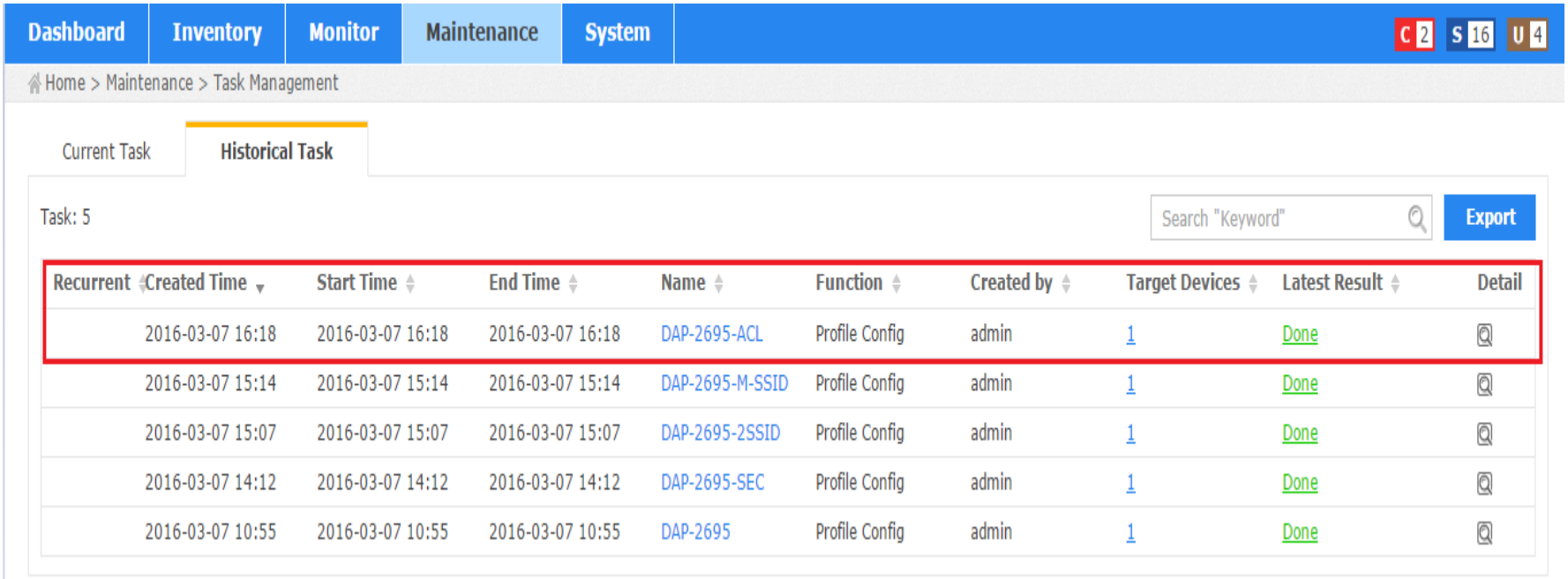
Wireless MAC ACL Configuration

- Wireless MAC ACL Configuration (6/8)
- Set Task Details



Wireless MAC ACL Configuration

- Wireless MAC ACL Configuration (7/8)
- Confirm the task is finished (Home > Maintenance > Task Management)



Wireless MAC ACL Configuration

- Wireless MAC ACL Configuration (8/8)
- Use the wireless client with MAC: 00:1C:BF:A9:52:EC and confirm it can not connect to DAP-2695

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Sensor Alarm and Escalation

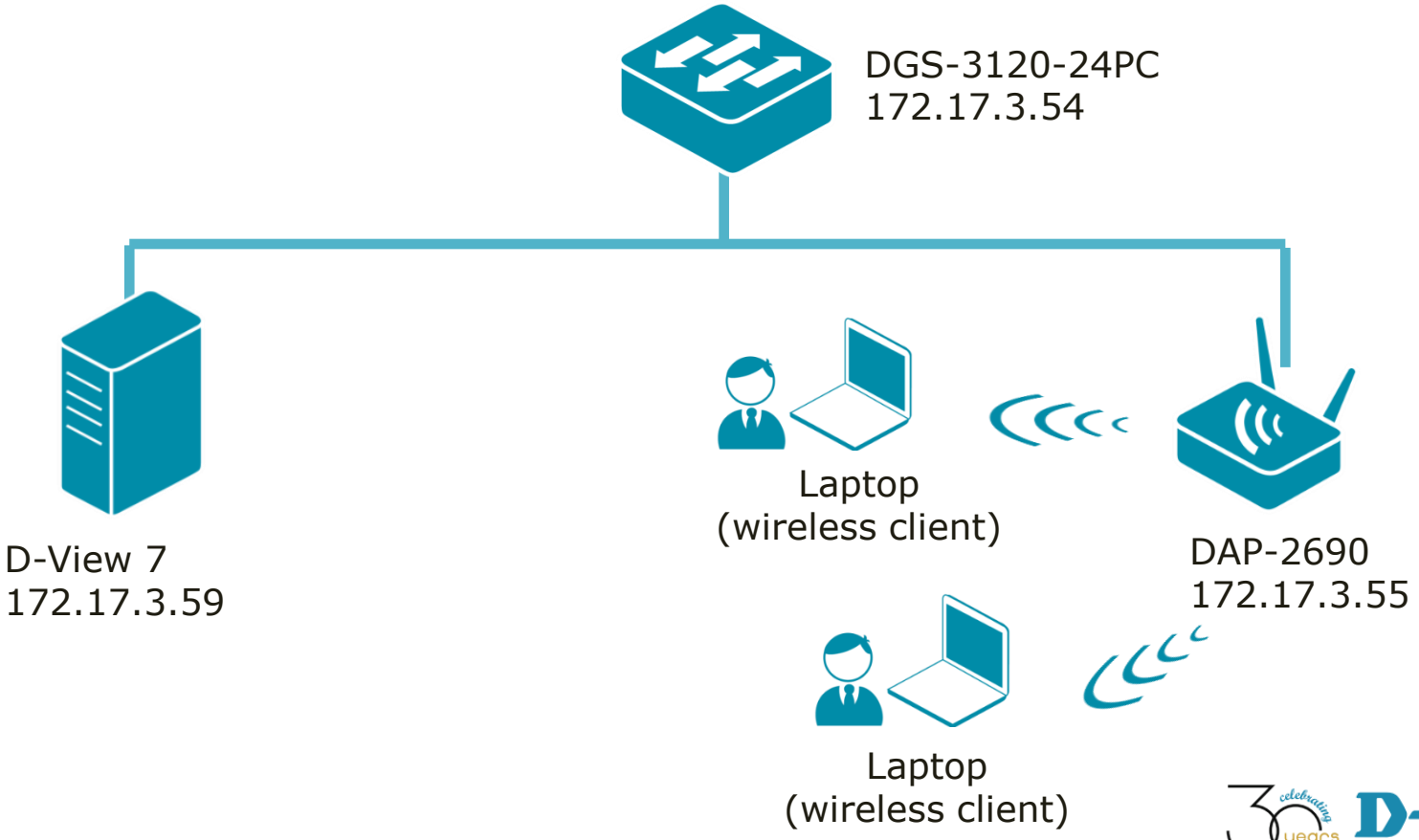
- Scenario: A DAP-2690 is installed close to the CEO's office. To monitor the number of wireless client connecting to that DAP-2690, the IT manager requests the alarm function in Dview-7

- If there is 1 wireless client connected, an Info Event will show up.
- If there are 2 wireless clients connected, a Warning Event shall be presented

- If the Warning Event occurs twice, it will be escalated to a Critical Event

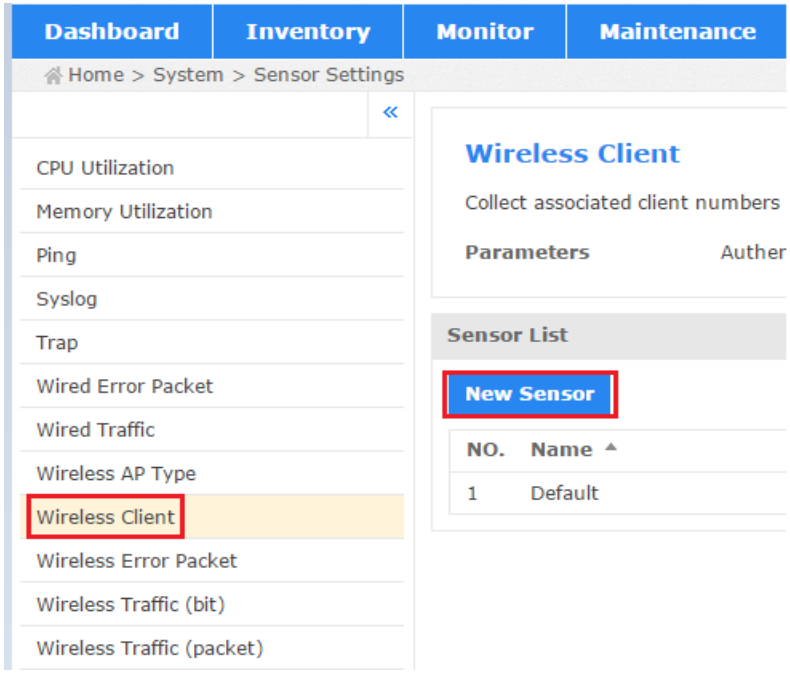
Network Topology

- Network Topology



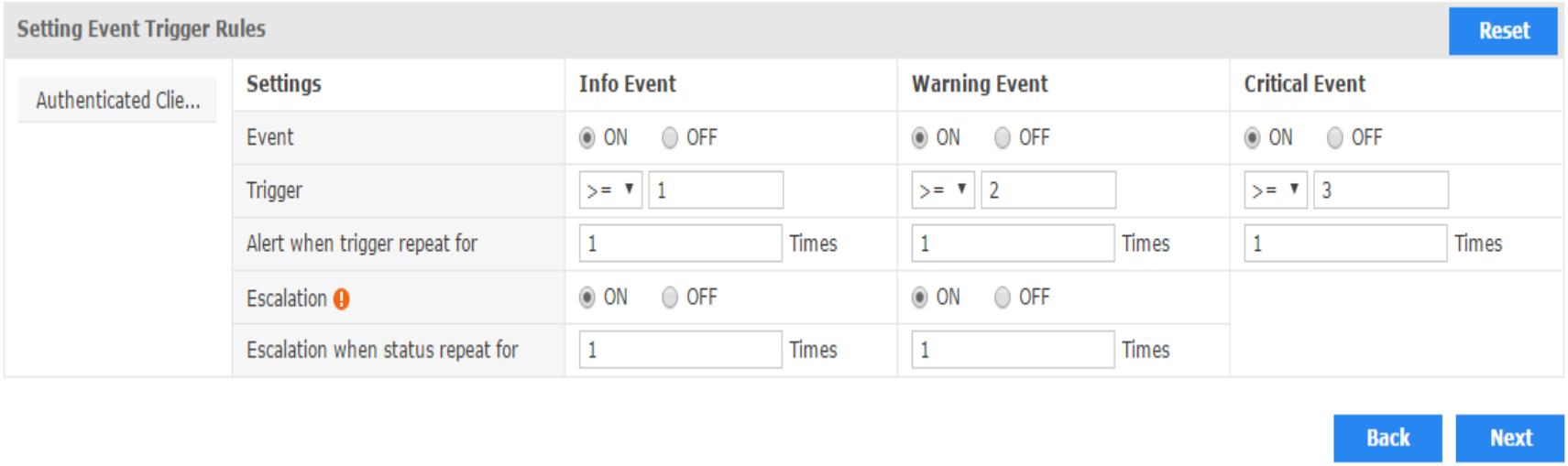
Sensor Alarm and Escalation

- Sensor Alarm and Escalation (1/7)
- Create a Sensor regarding wireless client
- Menu: Home > System > Sensor Settings
- Select “Wireless Client”



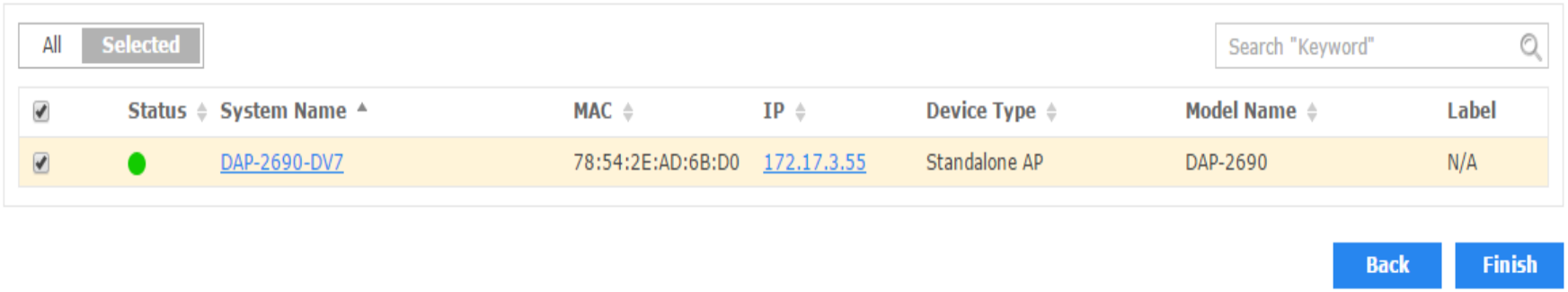
Sensor Alarm and Escalation

- Sensor Alarm and Escalation (2/7)
- Define the alert rule
- Make sure the escalation section is on



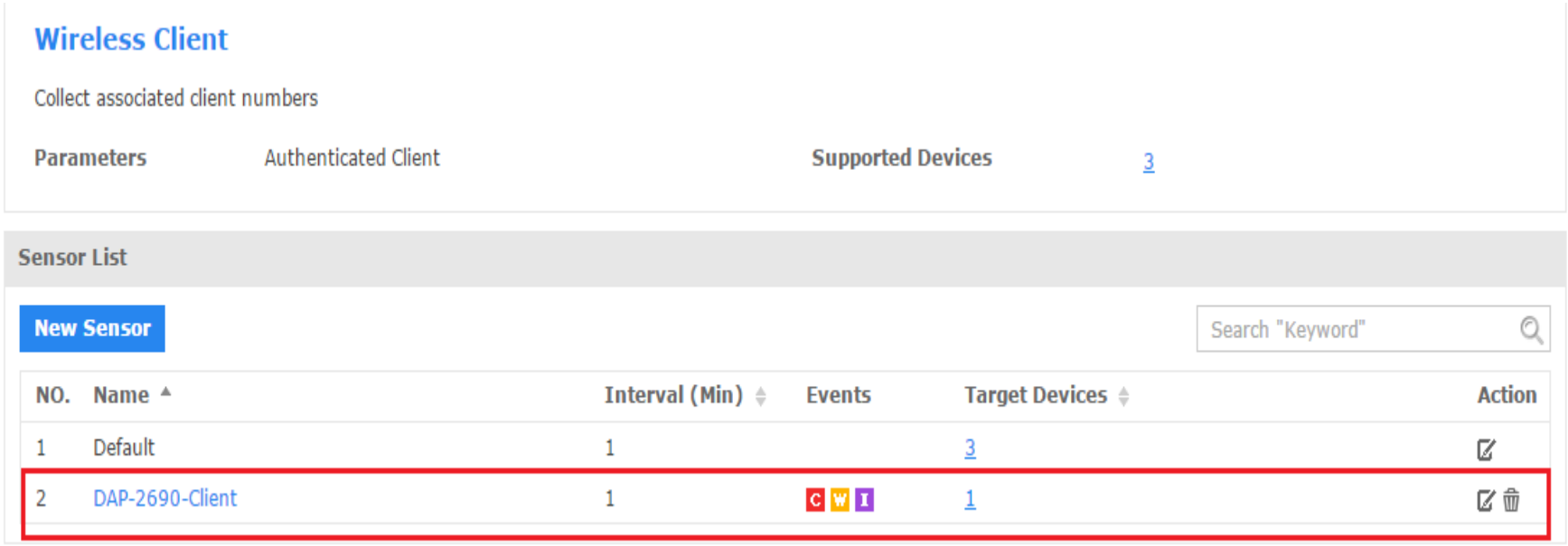
Sensor Alarm and Escalation

- Sensor Alarm and Escalation (3/7)
- Select the device for the alert rule to be applied
- Click finish



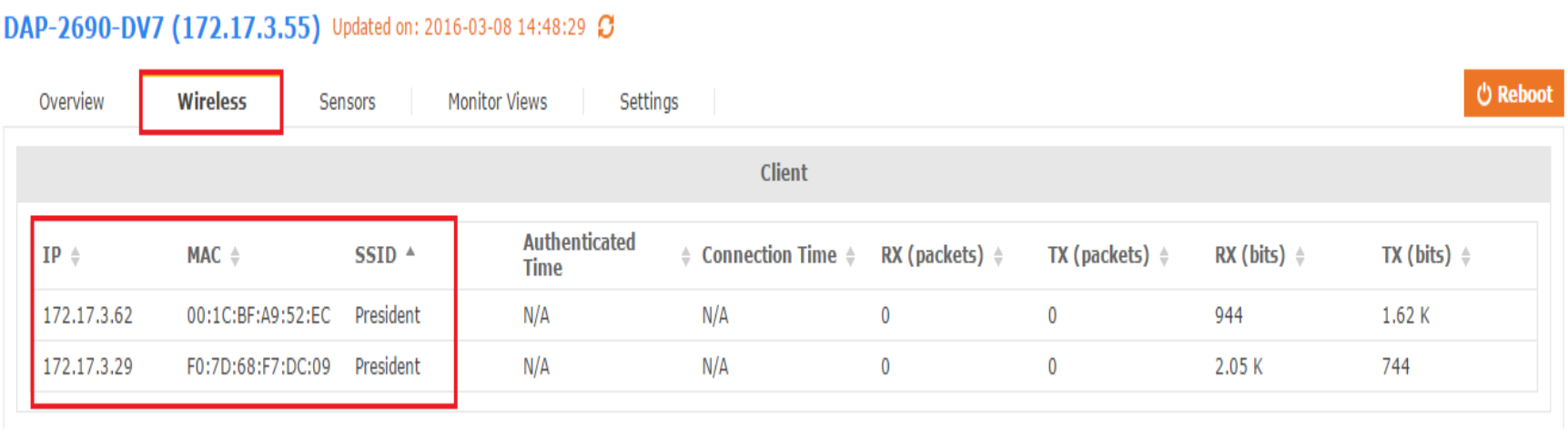
Sensor Alarm and Escalation

- Sensor Alarm and Escalation (4/7)
- Overview configured rule



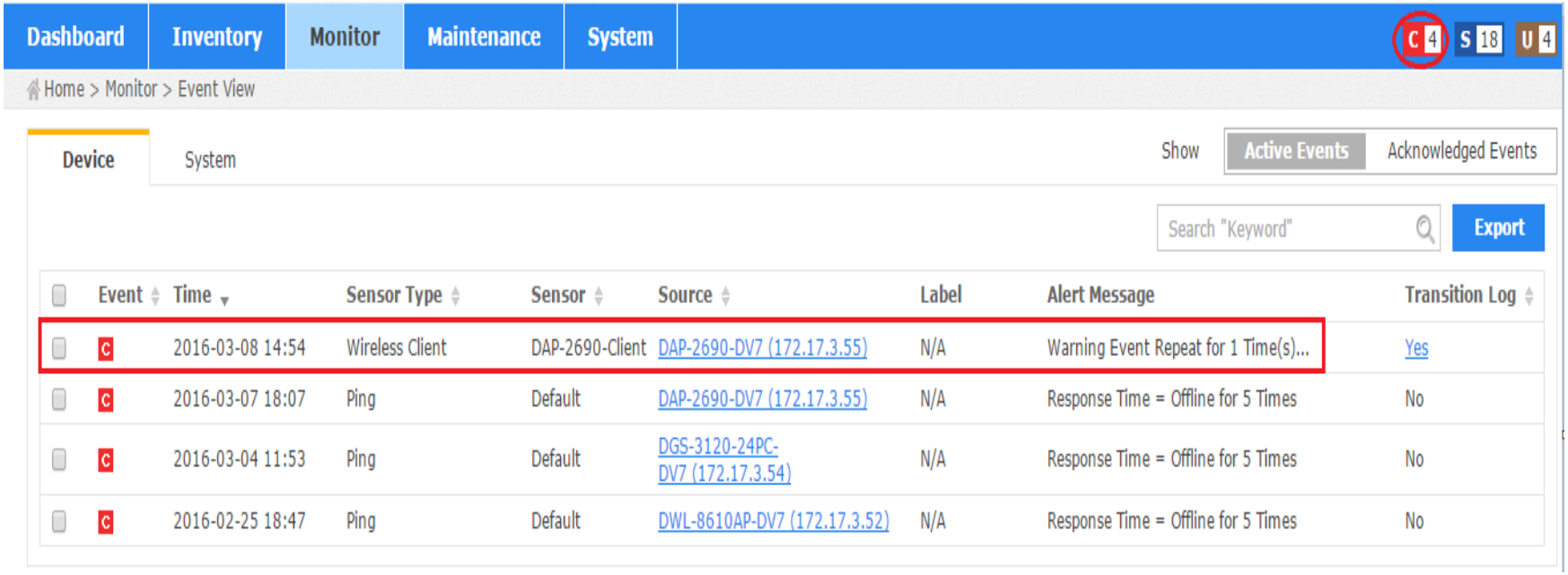
Sensor Alarm and Escalation

- Sensor Alarm and Escalation (5/7)
- Menu: Home > Inventory > DAP-2690-DV7 (172.17.3.55)
- We made two laptops connected to this SSID



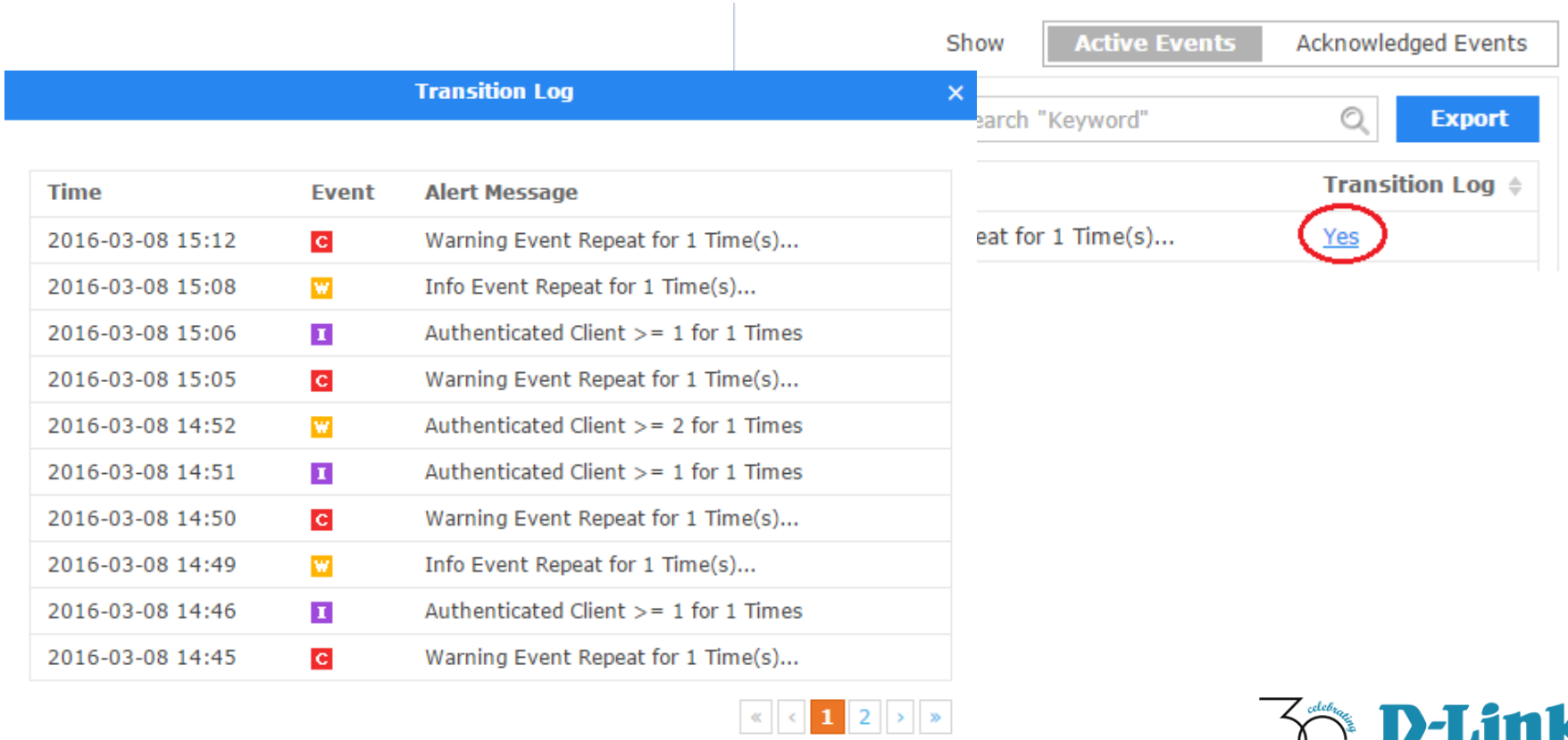
Sensor Alarm and Escalation

- Sensor Alarm and Escalation (6/7)
- In the Menu: Home > Monitor > Event View, we can view latest event



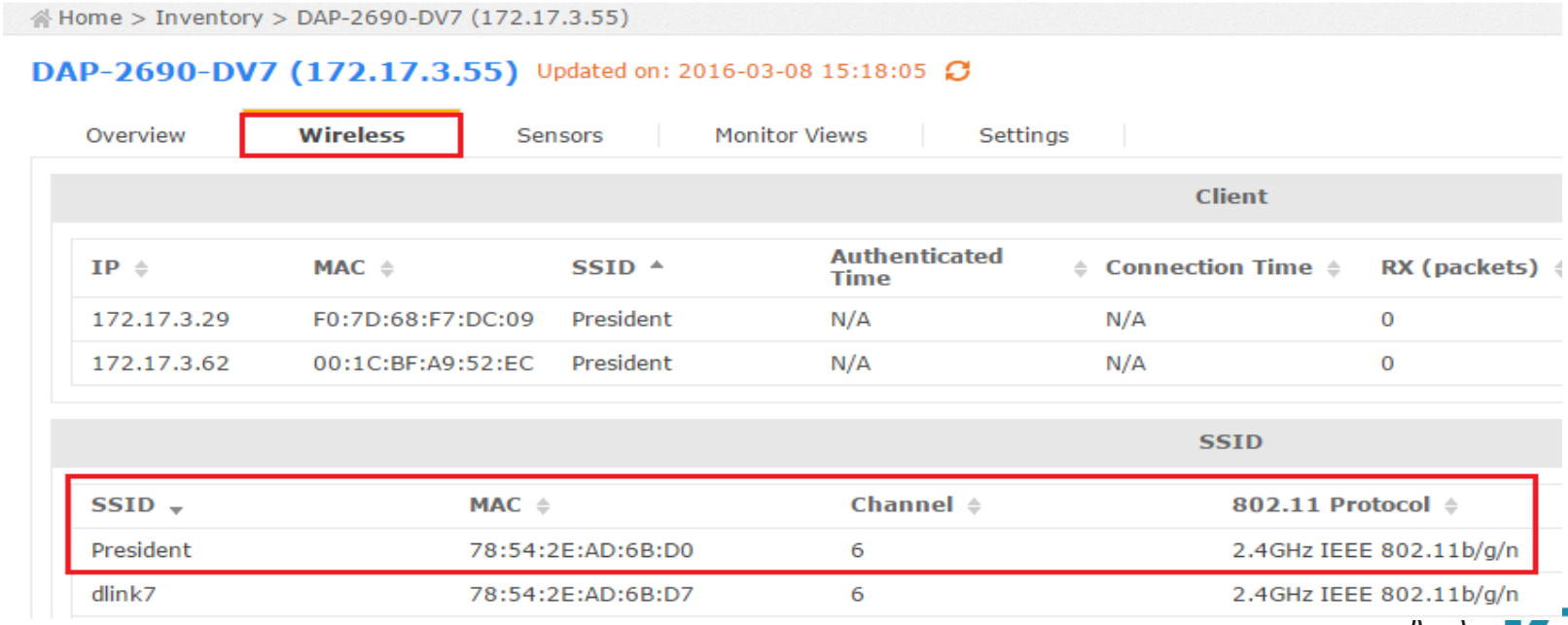
Sensor Alarm and Escalation

- Sensor Alarm and Escalation (7/7)
- In the Transition Log, we saw the history of this event



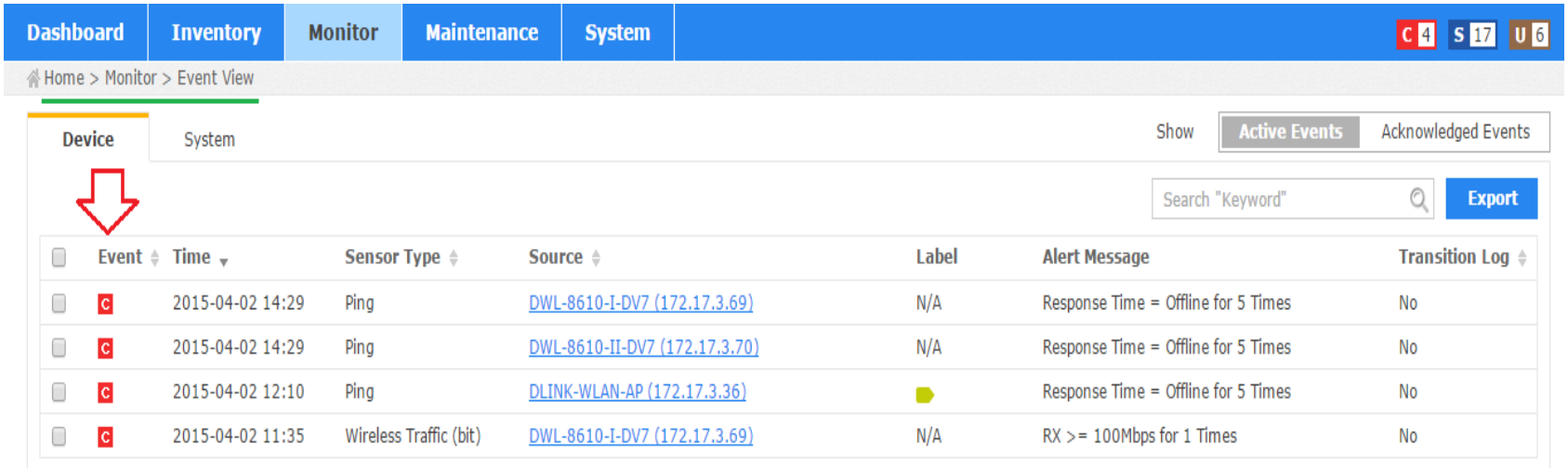
SSID Info in Wireless tab

- Q: This configuration example indicates we use SSID "President" DAP-2690, are we able to see that information in D-View 7
- A: Home > Inventory > DAP-2690-DV7 (172.17.3.55), move the cursor to SSID section



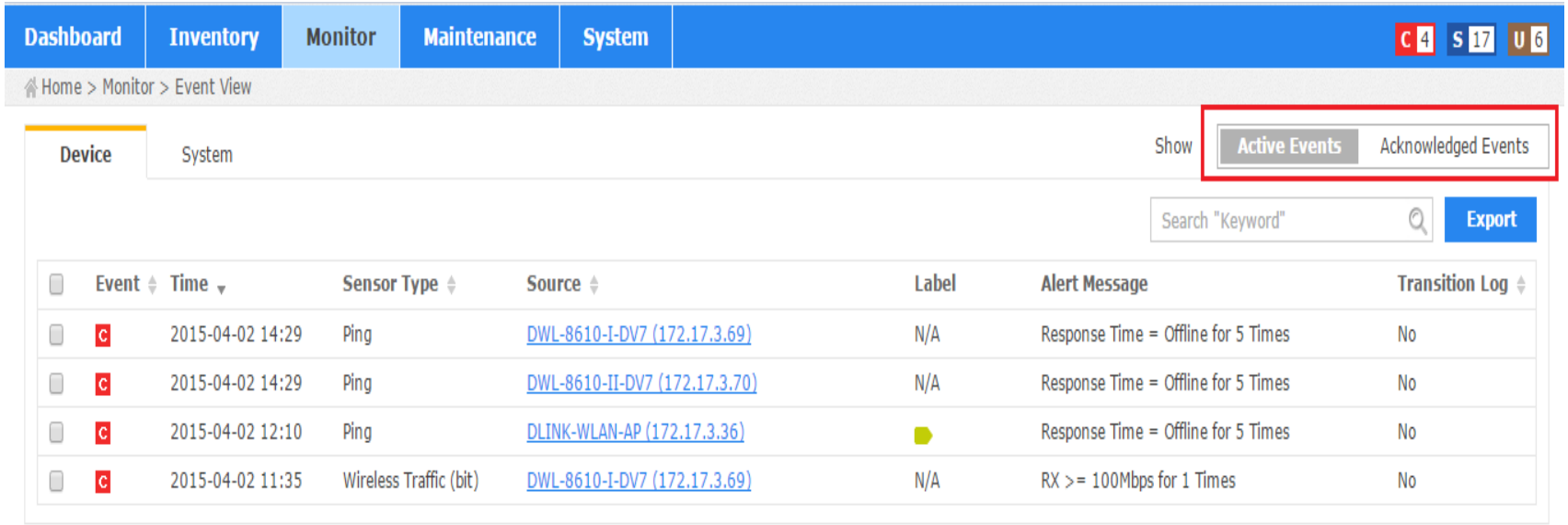
Alarm Summary

- To view the number of alarms by sensor type
- Quiz: Where can we see a list of alarms being generated by D-View 7?
- Ans: Menu: Home > Monitor > Event View



Alarm Summary (Cont'd)

- Quiz: Please describe the difference between "Active Events" and "Acknowledged Event," how would they apply to Network Admin's daily tasks?



Thank You!