



Nuclias Unity Quick Start Guide

Version 1.1.x

2026 | Business Class Networking



Nuclias Unity Quick Start Guide

The following instructions will guide you through configuring your D-Link Nuclias Unity. New users deploying multiple access points and switches for a complete Nuclias Unity experience must follow the steps below.

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Create Nuclias Unity Account

Introduction

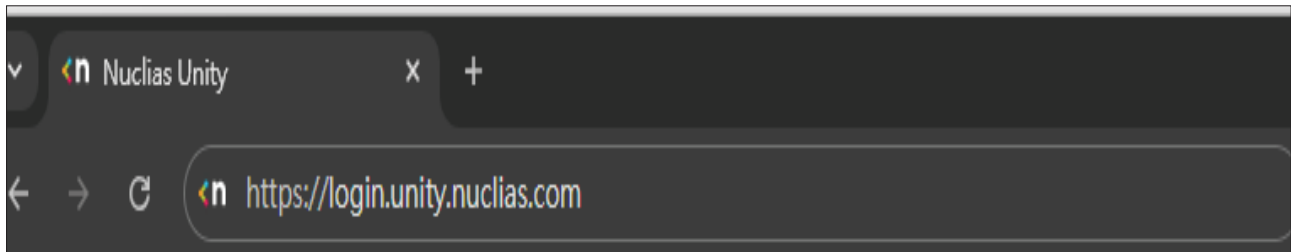
Nuclias Unity is a cloud-managed networking solution designed for SMBs and offered free of charge. It enables organizations of any size and any level of IT expertise to quick and easy set up, configure, monitor, troubleshoot, and manage single-site or multi-site network deployments. All devices can be controlled remotely through a cloud-based management portal.

Access Nuclias Unity

Nuclias Unity is a cloud-managed platform accessible through Google Chrome or Microsoft Edge web browsers.

Before accessing Nuclias Unity, ensure you have an active internet connection, then open your web browser and enter the required URL to begin.

Given URL: <https://login.unity.nuclias.com/>



Before you begin managing your network through Nuclias Unity, please complete the following two critical steps to ensure successful device adoption and management. All compatible devices must be running a firmware version that supports Nuclias Unity cloud management. Please check the D-Link support website for your specific device model and install the minimum required firmware version as indicated in the compatibility document.

Ensure your D-Link switches and access points are listed on the official Compatible Device List for Nuclias Unity. Refer to the PDF available at the link below:

Given URL: <https://www.dlink.com/tw/zh/-/media/product-pages/nuclias/nuclias-unity/compatible-products-for-nuclias-unity-solutionv16.pdf>

Create User Account

To access Nuclias Unity, you need a valid email address and password. Before signing in, you must first register your email address to activate your Nuclias Unity account.

Enter your email and password, then click Sign In to access Nuclias Unity.

You haven't registered your email account for Sign In. Please click '**Create Now**' to register your name and email address for Nuclias Unity.

nuclias
unity

Sign In

Email
name@example.com

Password

☒ Remember Me [Forgot Password](#)

Sign In

Don't have an account? **Create Now**

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To create your Nuclias Unity account using the **web browser**, enter your **Name** and a valid **Email** address, as a six-digit verification code will be sent to it.

Make sure the password follows the rules listed below.

Password Rules (Important and Must Follow):

- Length: The password must be 8–30 characters long to ensure sufficient security.

Composition: Must contain ALL of the following:

- Must include at least one uppercase letter (A–Z), one lowercase letter (a–z), and one number (0–9).
- Allowed at least one Special Characters: ~ ! @ # \$ ^ & * { } [] () _ - + = . | : ; ' < , > / \

Security Restrictions:

- Cannot be the same as the user name.
- Cannot be the same as default login accounts (e.g., "admin") or default IP addresses.
- Must be non-consecutive characters (e.g., "1111", "aaaa" are not allowed).

Note: If a non-compliant password is set, the device may reboot and cause abnormal operation.

Enter your password following the rules, then enter it again in the Confirm Password field. Review and agree to the Terms and Conditions, then click Next to continue.

nuclias
unity

Create Account

Name*

Email*

Please enter a valid email address

Password* ⓘ

Min. 8 characters with a combination of uppercase letters, lowercase letters, numbers, and symbols.

Confirm password*

☐ I have read and agree to the **Terms and Privacy***

☐ I agree to receive promotional and product updates from D-Link

Next

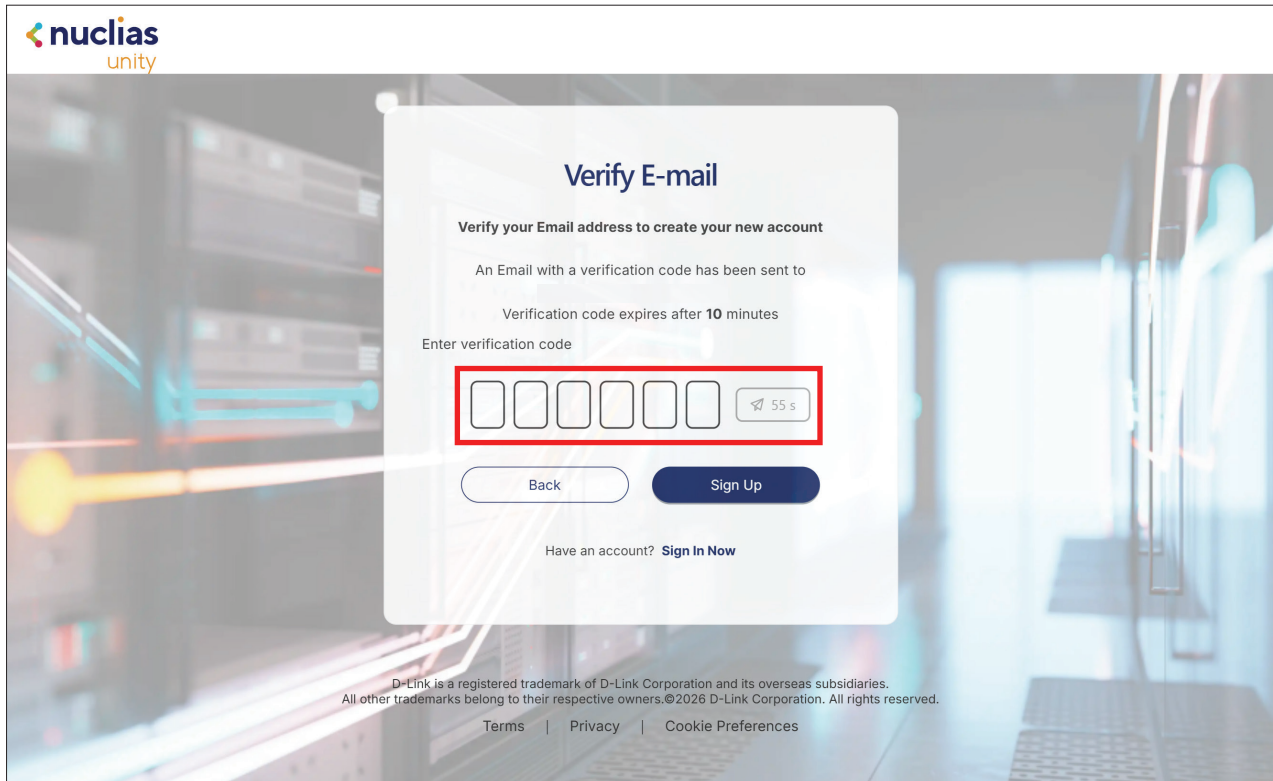
Have an account? [Sign In Now](#)

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Verify

Click Send the verification code to your registered Email account, when you receive six-digit verification code fill into the verification code box.



The image shows a 'Verify E-mail' screen for the Nuclias Unity application. The screen has a white background with a blue header containing the 'nuclias unity' logo. The main content area is titled 'Verify E-mail' and includes the following text: 'Verify your Email address to create your new account', 'An Email with a verification code has been sent to', and 'Verification code expires after 10 minutes'. Below this, it says 'Enter verification code'. There is a row of six empty input boxes for the code, followed by a '55 s' timer icon. At the bottom of the form, there are two buttons: 'Back' and 'Sign Up'. Below the buttons, it says 'Have an account? Sign In Now'. At the very bottom, there is a small disclaimer: 'D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2026 D-Link Corporation. All rights reserved.' and three links: 'Terms', 'Privacy', and 'Cookie Preferences'.

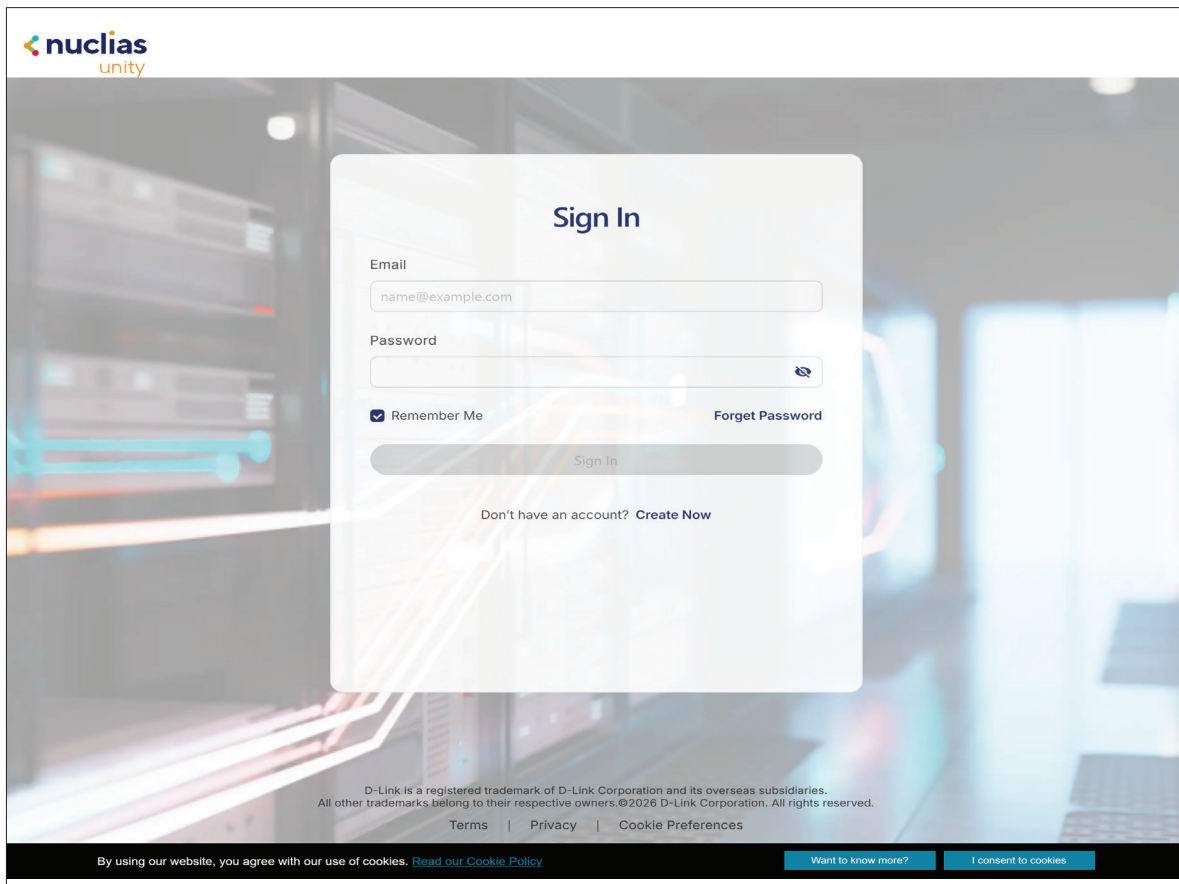
If you have not received the email, wait a few more seconds for the verification code to arrive before completing your account registration.

Create Organization and Site

Login Nuclias Unity

To access Nuclias Unity, you need a valid email address and password. Before signing in, you must first register your email address to activate your Nuclias Unity account.

Enter your email and password, then click Sign In to access Nuclias Unity.

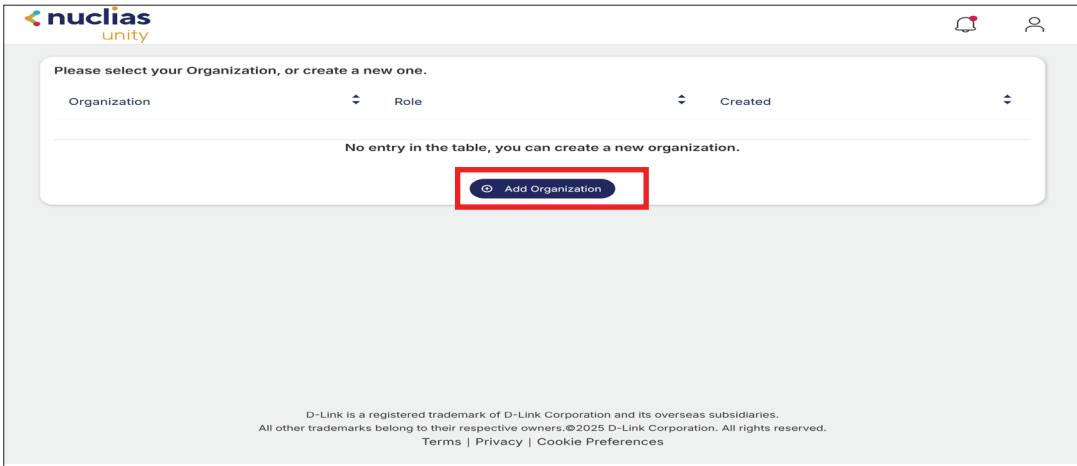


The image shows the Nuclias Unity login interface. At the top left is the Nuclias Unity logo. The background is a blurred image of server racks. In the center is a white 'Sign In' modal box. Inside the modal, there are input fields for 'Email' (with the placeholder 'name@example.com') and 'Password'. Below the password field is a 'Remember Me' checkbox (checked) and a 'Forgot Password' link. A 'Sign In' button is below these. At the bottom of the modal is a link: 'Don't have an account? [Create Now](#)'. Below the modal, there is a small copyright notice: 'D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2026 D-Link Corporation. All rights reserved.' Below this are links for 'Terms', 'Privacy', and 'Cookie Preferences'. At the very bottom, there is a cookie consent banner with the text 'By using our website, you agree with our use of cookies. [Read our Cookie Policy](#)' and two buttons: 'Want to know more?' and 'I consent to cookies'.

Create Organization

After creating your user account, open your web browser and sign in to Nuclias Unity using your email and password. Once you have successfully logged in, you will be prompted to create your **Organization** name, followed by your **Site** name. These will form the core structure for managing your network and devices within the Nuclias Unity platform.

Click **Add Organization**.



Enter the required details—Name, Country, Time Zone, NTP Server, and the organization-level username and password. The username must be **"admin"**, and the password must comply with the **password rules**. Then click **Save**, as shown in the image below.

A screenshot of the "Add Organization" modal form. The form has a title bar with a close button (X). It contains several input fields: "Organization Name" (text), "Select Country" (dropdown), "Time Zone" (dropdown), and "NTP Server" (text, pre-filled with "ntp1.nuclias.com"). Below these is an "Add" button with a plus icon. The form also has a section titled "Inventory Device Account" with "UserName*" (text, pre-filled with "admin") and "Password*" (password, with a toggle icon). At the bottom of the form are "Cancel" and "Save" buttons. The "Save" button is highlighted with a red rectangular box. A footer with legal disclaimers and links for Terms, Privacy, and Cookie Preferences is visible at the very bottom.

An **Inventory Device Account** is maintained at the organizational level to manage devices before they are deployed to specific sites. It provides centralized control over procurement, staging, and distribution, ensuring consistent oversight at the management level.

After you create your Organization Name, it will appear as shown in the picture below. If you need to add additional organizations, click **Add Organization** in the top-right corner to create another Organization Name.

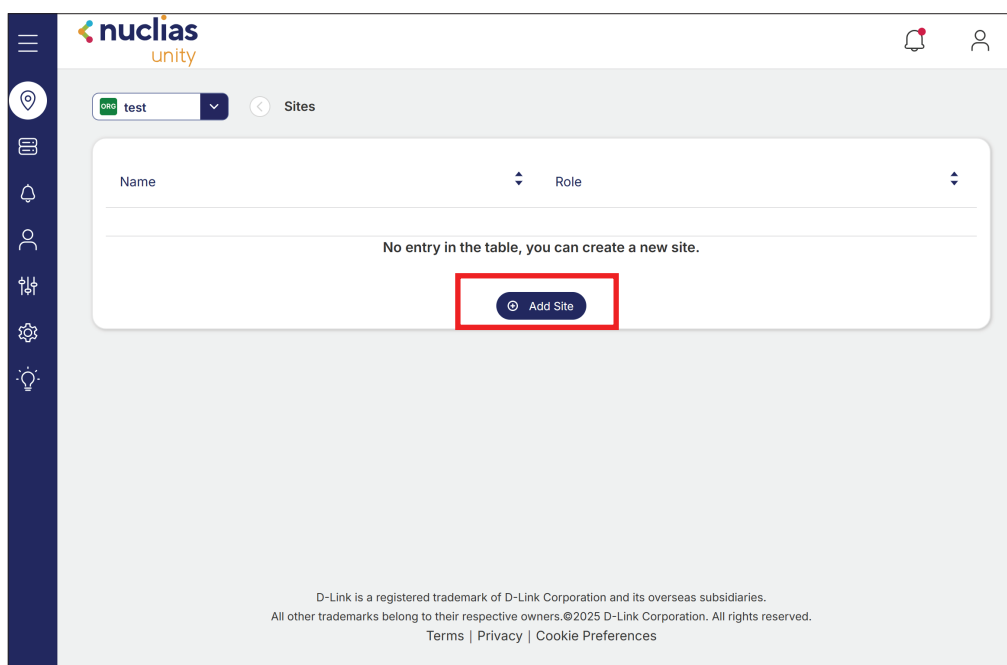
If you have already created an organization, click your Organization Name to create your site under that organization.

Now click the organization to create a Site Name.



Create Site

After creating your Organization Name, the system will guide you to the next step to create a new Site for your organization. As shown in the picture below, click **Add Site** to create a new site.



Enter the required details—Name, Country, Time Zone, NTP Server, and the site-level username and password. The username must be “**admin**”, and the password must comply with the **password rules**. Then click **Save**, as shown in the image below.

Add New Site

Site Name

Select Country

Time Zone

NTP Server

Address

Device Account

UserName*

Password*

Each site has a dedicated **Device Account** with a common password shared by all devices assigned to that site. This provides site-level credential management, enabling users to access any device within their location (e.g., all 10 devices at a site would share one password).

After creating a **Site Name**, it will appear as shown in the picture below. If you need to create another site, click **Add Site** in the top-right corner.

Name	Role
Test-Unity	Admin

« < Page 1 of 1 > » Results per page: 20 ▾

Nuclias Unity is now ready to manage and monitor your devices, such as Access Points and Switches. The next step is to prepare your devices so they can be configured and connected to the internet.

Device Provision

Zero Touch Provision

Zero Touch Provisioning allows switches and access points to be deployed quickly and easily without requiring manual device configuration on-site.

To begin deployment, connect the switches and access points to the network and power them on. Once the devices establish an Internet connection, they automatically connect to Nuclias Unity and retrieve the administrator-assigned preconfigured settings.

The downloaded configuration may include wireless settings, VLAN configurations, SSIDs, security policies, device profiles, and other network parameters. After the configuration is applied, the devices become operational automatically without additional setup steps.

This automated provisioning process reduces deployment time, minimizes configuration errors, and simplifies large-scale installations. It also enables non-technical staff to install and replace devices easily, making it ideal for branch offices, schools, hotels, retail stores, and other distributed network environments.

For non-technical users, Zero Touch Provisioning eliminates the need for complex setup procedures, command-line configuration, or advanced networking knowledge. Staff only need to connect the device to power and the network, while all required settings are applied automatically from NucliasUnity. This reduces the need for on-site IT support, simplifies device replacement, and helps organizations deploy networks consistently across multiple locations with minimal training.

Nuclias Unity Zero Touch Provisioning simplifies device deployment, making the setup process fast and hassle-free for both technical and non-technical users. With this feature, devices can automatically receive their assigned configuration settings without requiring manual setup or advanced networking knowledge.

Before starting, ensure that the organization and site have already been created in Nuclias Unity.

Step 1: Unpack and Power On the Device

Carefully unpack the switch or access point from its package and verify that all required accessories are included.

Connect the device to:

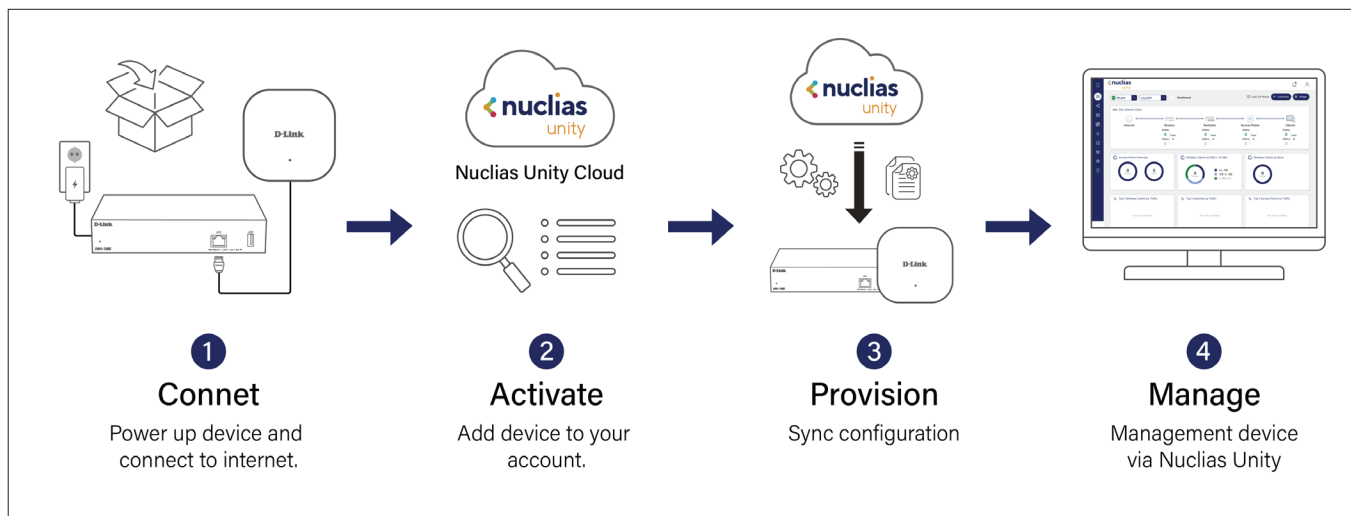
- A power source
- The network with Internet access

Step 2: Log in to Nuclias Unity

Open a web browser and log in to the Nuclias Unity management platform using your administrator account credentials.

After logging in:

- Select the pre-created Organization.
- Select the appropriate Site for the device's deployment.

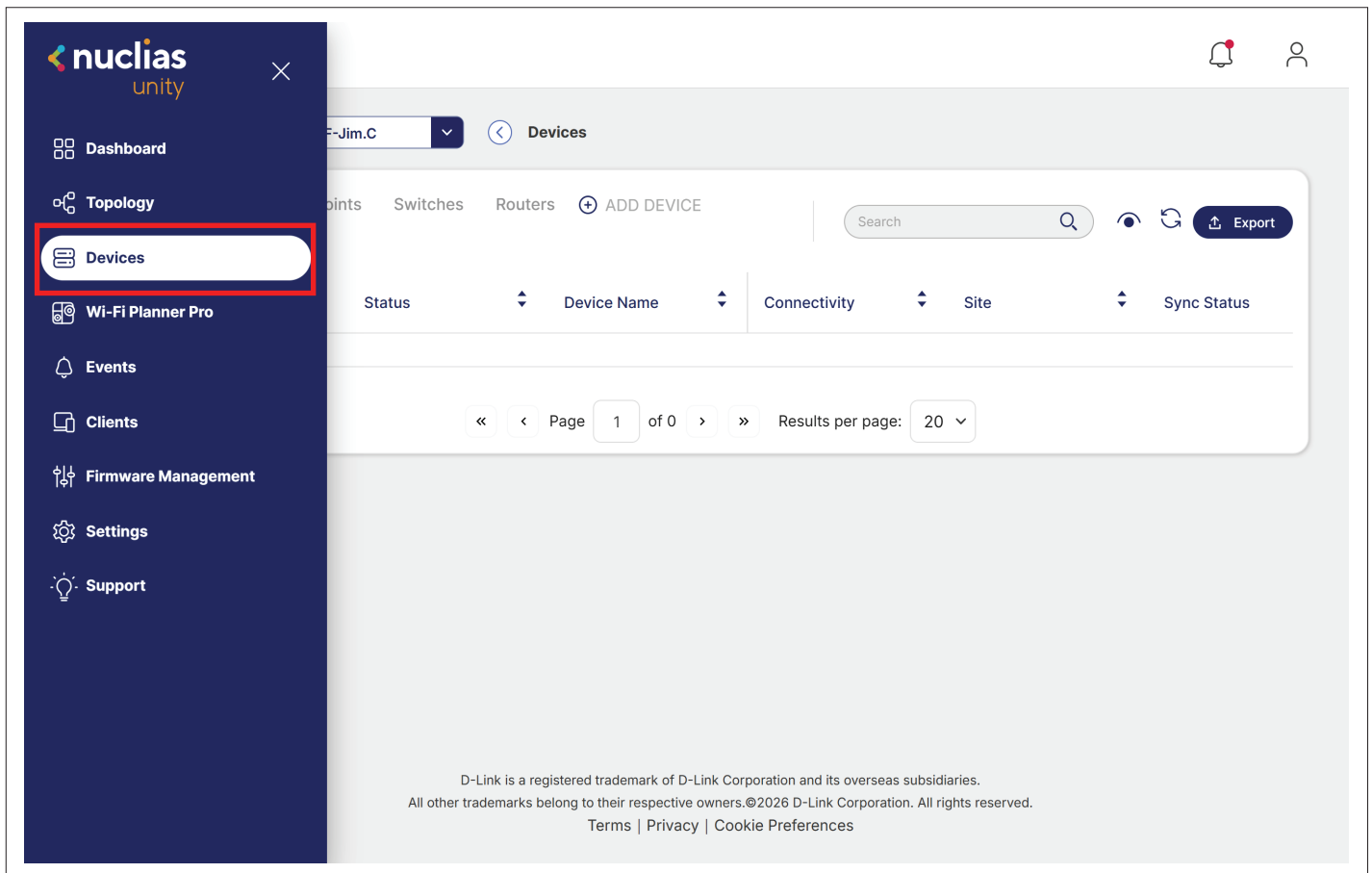


Step 3: Navigate to the Device Menu

From the left-side navigation menu, click Device to open the device management page.

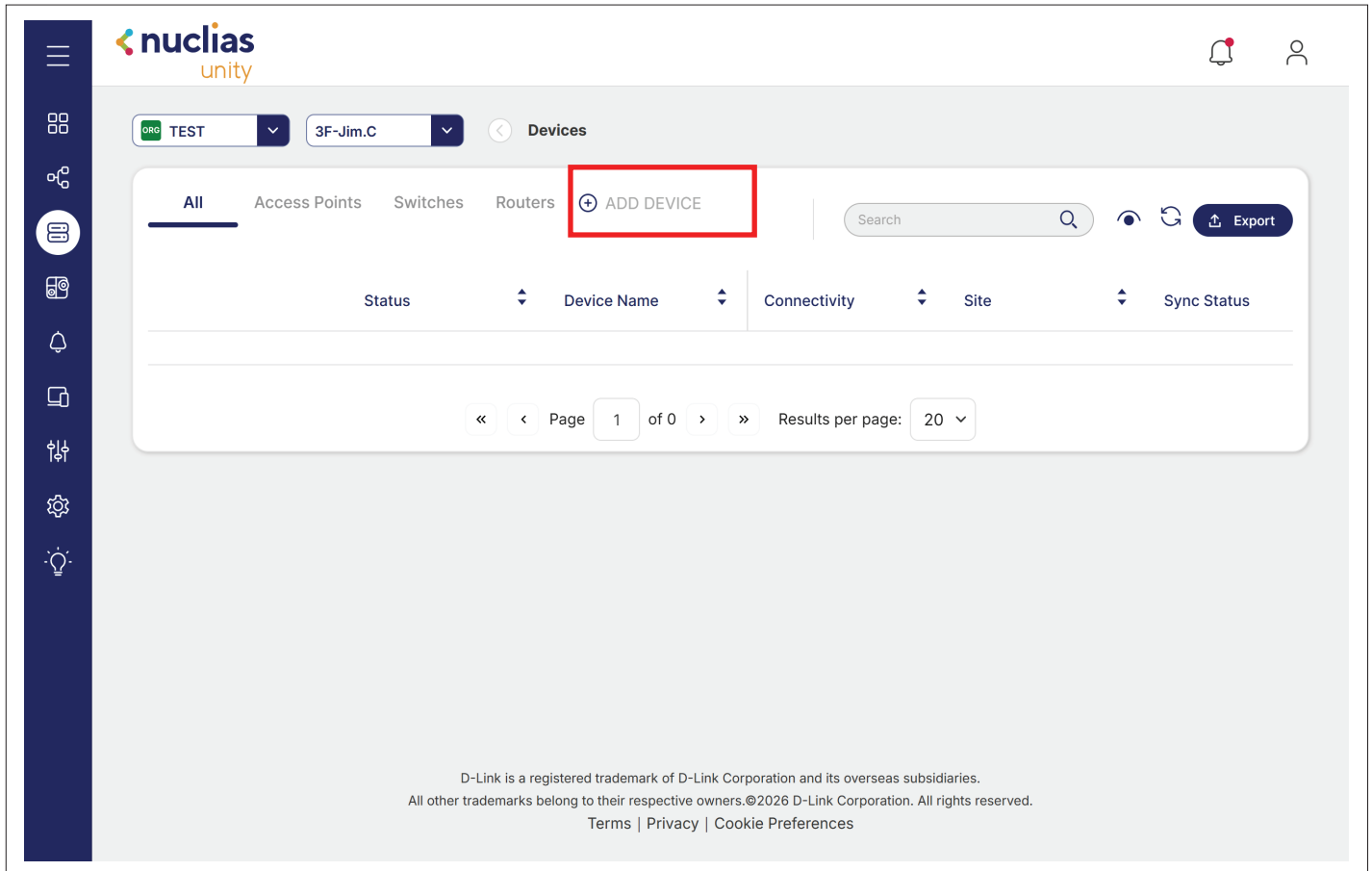
This page allows administrators to:

- View connected devices
- Monitor device status
- Manage configurations and deployment settings



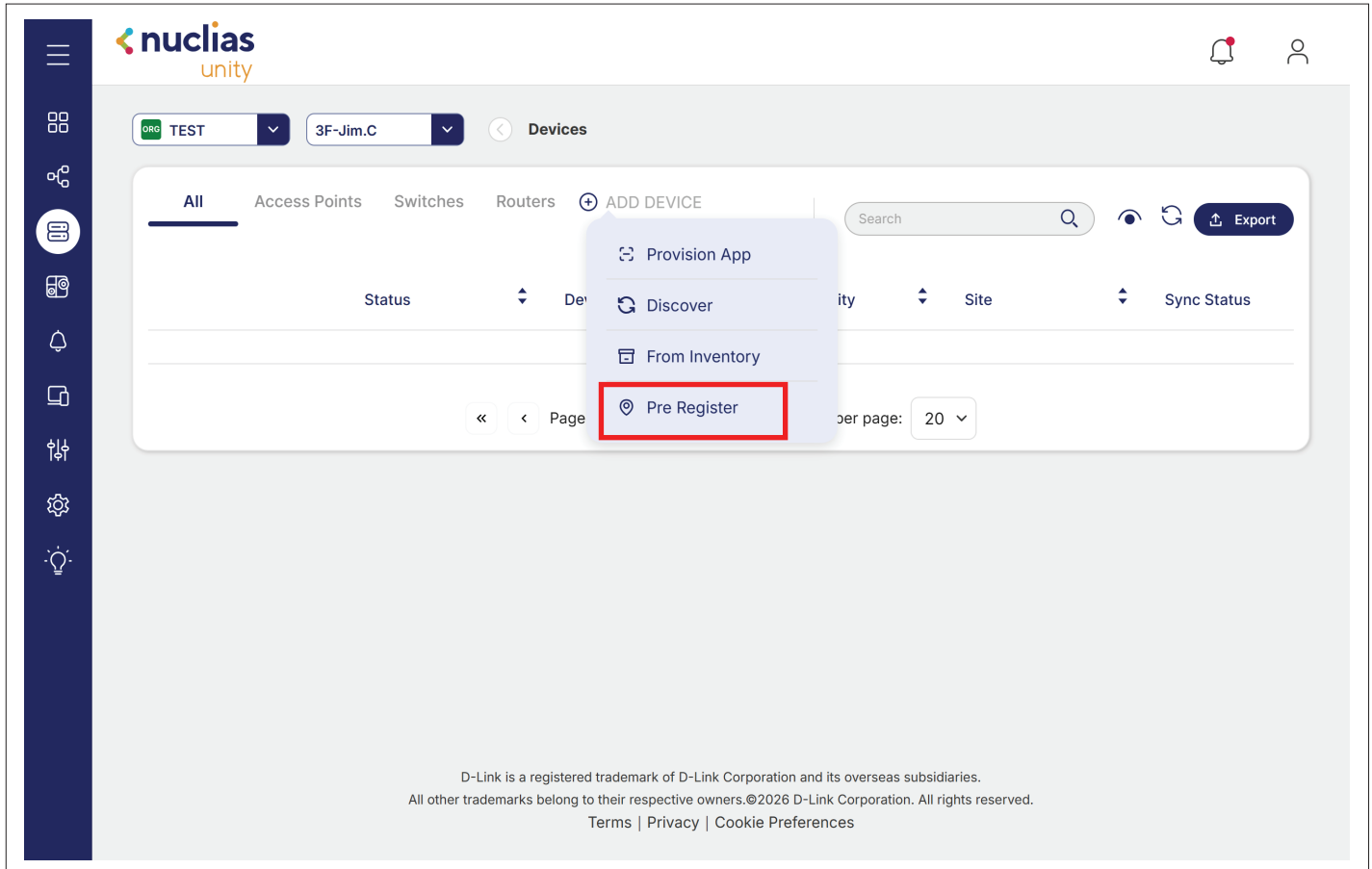
Step 4: Add a Device

On the Device page, click **Add Device** to begin the device onboarding process. Nuclias Unity will display the available methods for adding and provisioning devices to the selected site.



Step 5: Select Pre-Register

In the Add Device window, select Pre-Register. This option allows you to register devices in Nuclias Unity before they are deployed, ensuring they automatically receive the assigned configuration when they connect to the Internet.

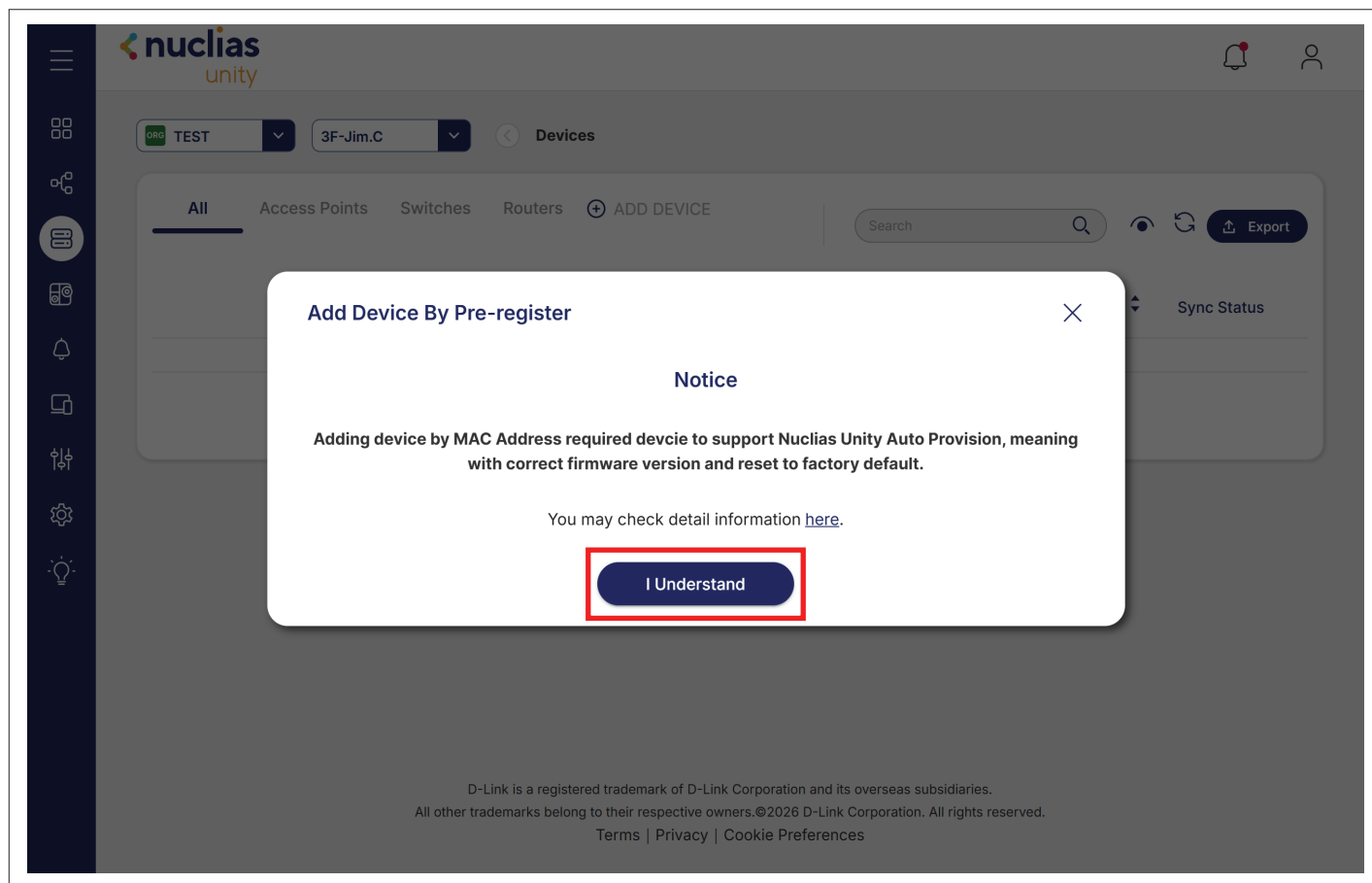


Step 6: Add Device by Pre-Register

When Pre-Register is selected, a notice is displayed informing the user that adding a device requires its **MAC Address** and that the device must support Nuclias Unity **Auto Provisioning**.

The device should also be running the correct firmware version and be reset to factory default settings before it can be successfully onboarded.

The user then clicks **I Understand** to acknowledge the notice and proceed with the device registration process.



Step 7: Add the MAC Address and Select the Site Name

Enter the correct **MAC Address** in the MAC Address field, then select the Site Name where the device will be added. This ensures the device is assigned to the correct location for provisioning and management in Nuclias Unity.

The screenshot shows the 'Device Adoption' modal in the Nuclias Unity interface. The modal has a title bar with a close button. Below the title, there is a section for 'Add MAC Address' with an 'Upload' button. The 'MAC Address' field is highlighted with a red box and contains the value '28 - 38 - 82 - 00 - 22 - 02'. To the right of the MAC Address field is a field for 'SN Information(Optional)'. Below these fields is an 'Add' button. At the bottom of the modal, there is a section for 'Add to Site' with a dropdown menu showing 'TW_E9560', which is also highlighted with a red box. A 'Next' button is located at the bottom right of the modal. The background shows the Nuclias Unity dashboard with various device categories like Access Points, Switches, Routers, and Inventory.

Device Adoption

Add MAC Address Upload

MAC Address SN Information(Optional)

28 - 38 - 82 - 00 - 22 - 02

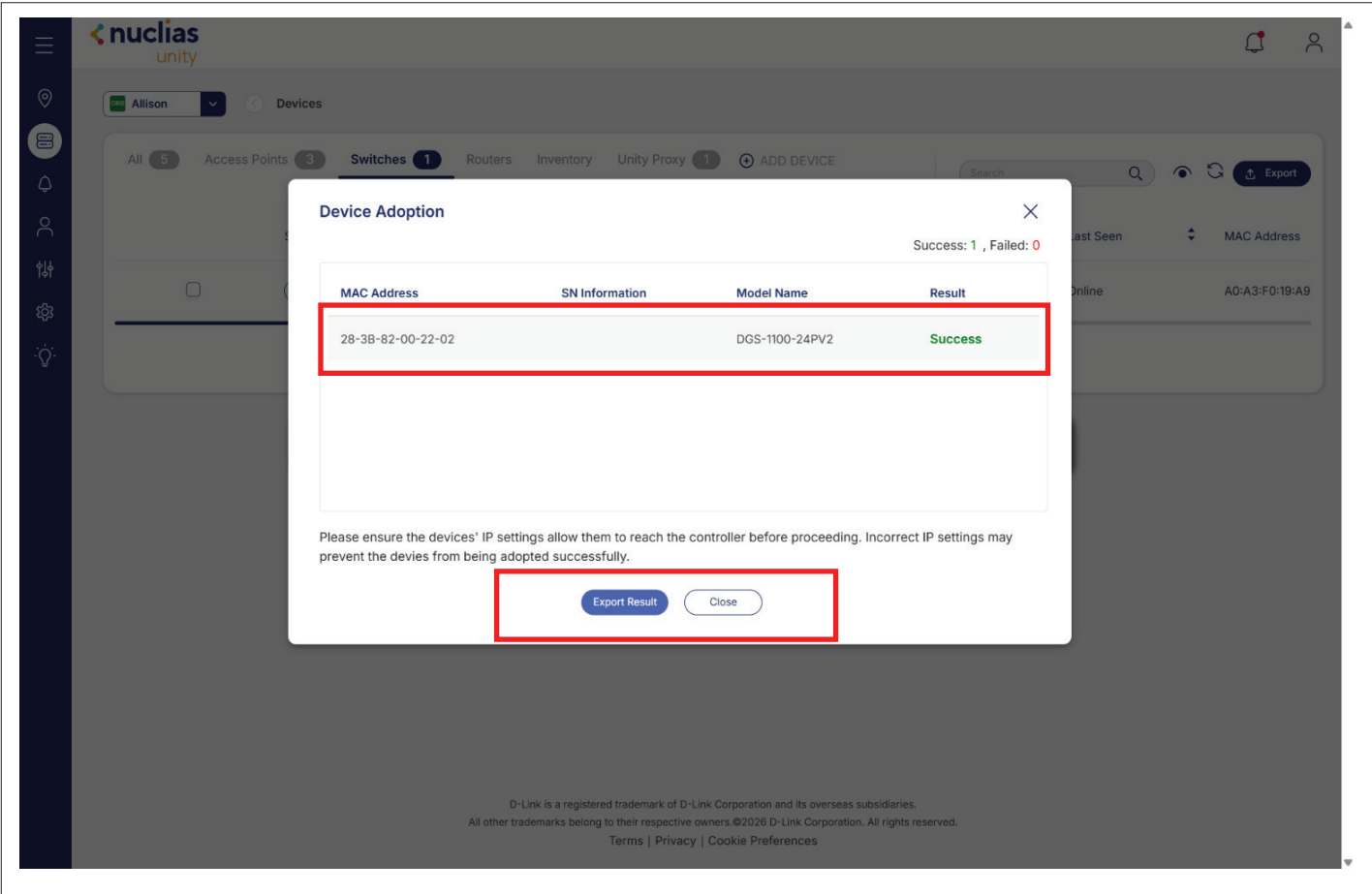
Add

Add to Site TW_E9560 Next

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Step 8: Device Adaption

Once the device is added successfully, a **Success** message is displayed. The added device will also appear in the device list, along with its model information, confirming that it has been successfully registered in Nuclias Unity.



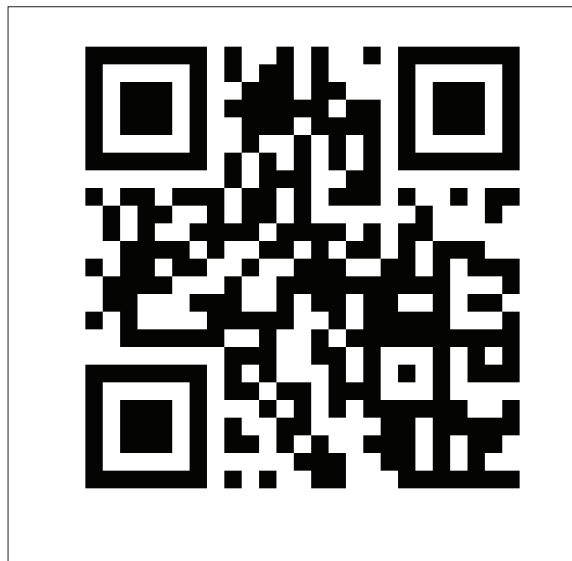
Nuclias Unity APP

Download the Nuclias Unity app from the **QR code** for download application or use the **Google Play** Store (Android) or the Apple **App Store** (iOS), and ensure that you install the recommended or latest supported version. Make sure your mobile device is connected to the internet, then launch the Nuclias Unity app and log in with your registered **Email Address** and **Password**.

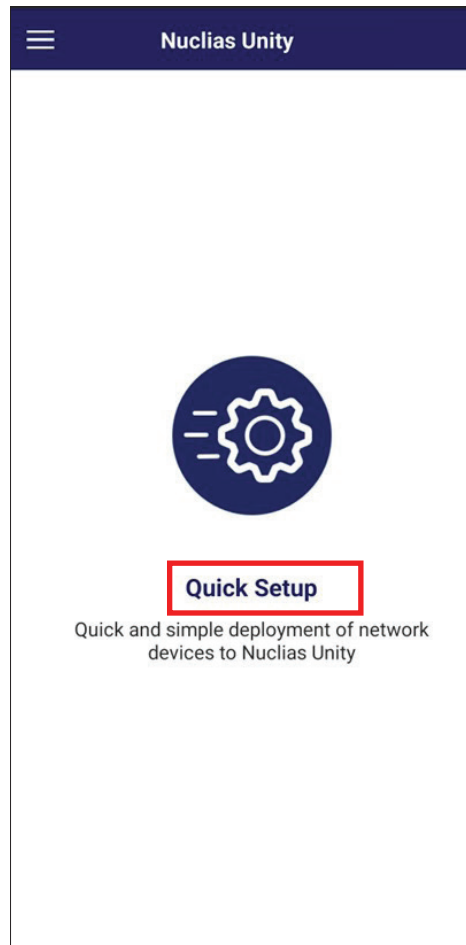
Note: Your mobile phone must be connected to the same network, with internet access, as the other devices. If your mobile device is not on the same network environment, the Nuclias Unity app will not be able to detect your connected devices.

Before launching the Nuclias Unity App, make sure you have created an Organization and Site Name through the web browser.

Download QR Code:

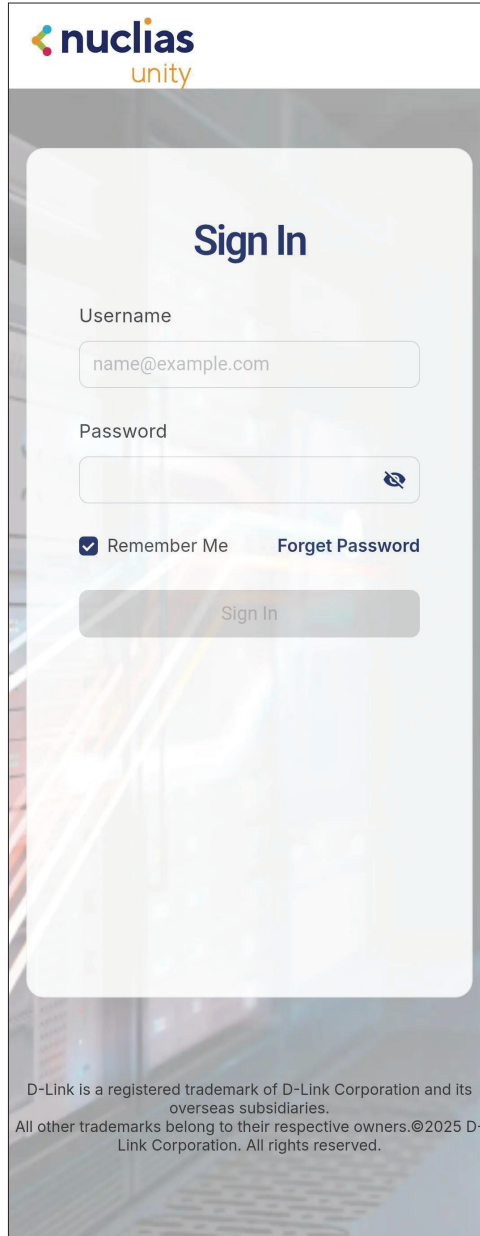


Click **Quick Setup** to log in to the Nuclias Unity app.

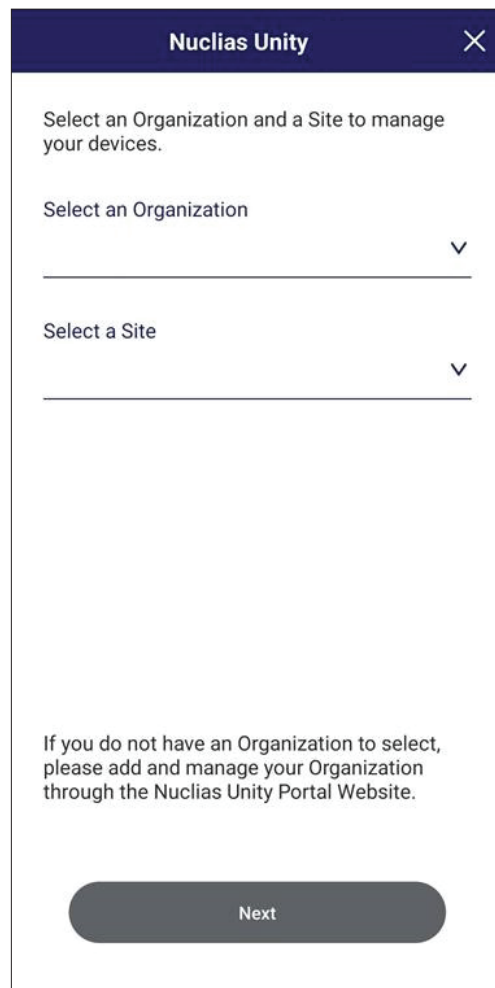


Sign In - Nuclias Unity APP

Log in to the Nuclias Unity app using your registered email address and password. Ensure that the credentials match the account you created earlier. Once logged in, the app will connect to your Nuclias Unity organization and allow you to begin discovering and managing your devices.

The image shows a mobile application interface for signing in. At the top, the 'nuclias unity' logo is displayed. Below it, the title 'Sign In' is centered. There are two input fields: 'Username' with the placeholder 'name@example.com' and 'Password' with a toggle icon. Below the password field, there is a checked 'Remember Me' checkbox and a 'Forget Password' link. A 'Sign In' button is positioned below these options. At the bottom, there is a legal disclaimer: 'D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2025 D-Link Corporation. All rights reserved.'

After successfully logging in to the Nuclias Unity app, you will be prompted to select your Organization and Site Name, as shown in the picture below.



The image shows a mobile app interface for Nuclias Unity. At the top is a dark blue header with the text "Nuclias Unity" and a close button (X). Below the header, the text "Select an Organization and a Site to manage your devices." is displayed. There are two dropdown menus: "Select an Organization" and "Select a Site", each with a downward arrow icon. At the bottom, there is a dark grey button labeled "Next".

Nuclias Unity

Select an Organization and a Site to manage your devices.

Select an Organization

Select a Site

If you do not have an Organization to select, please add and manage your Organization through the Nuclias Unity Portal Website.

Next

Now select your Organization Name and Site, as shown in the picture below, and click Next to proceed to the next step.

Nuclias Unity

×

Select an Organization and a Site to manage your devices.

Select an Organization

Unity_Test_GMD

▼

Select a Site

GMD-Test

▼

If you do not have an Organization to select, please add and manage your Organization through the Nuclias Unity Portal Website.

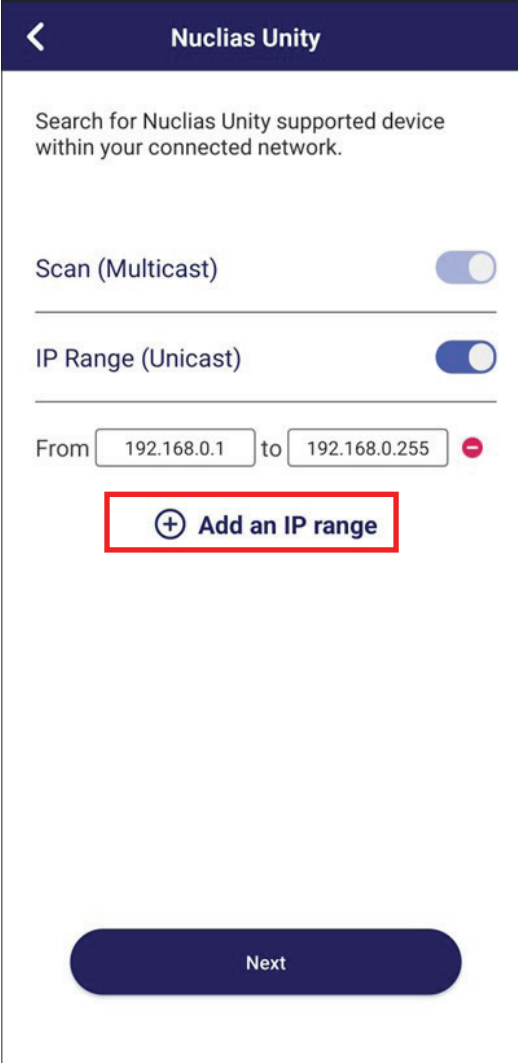
Next

To discover connected devices through Nuclias Unity, ensure the **Scan (Multicast)** option is enabled. By default, this option is already enabled in the Nuclias Unity app. If your devices are still not detected, enable **IP Range (Unicast)** and manually configure the required IP address range.

When using IP Range (Unicast), you must enter the correct IP range for your connected devices. Please consult your IT administrator to provide the appropriate IP address range.

To set up the IP address range, follow the example shown in the picture below. For instance, you can set the range from 192.168.0.1 to 192.168.0.255.

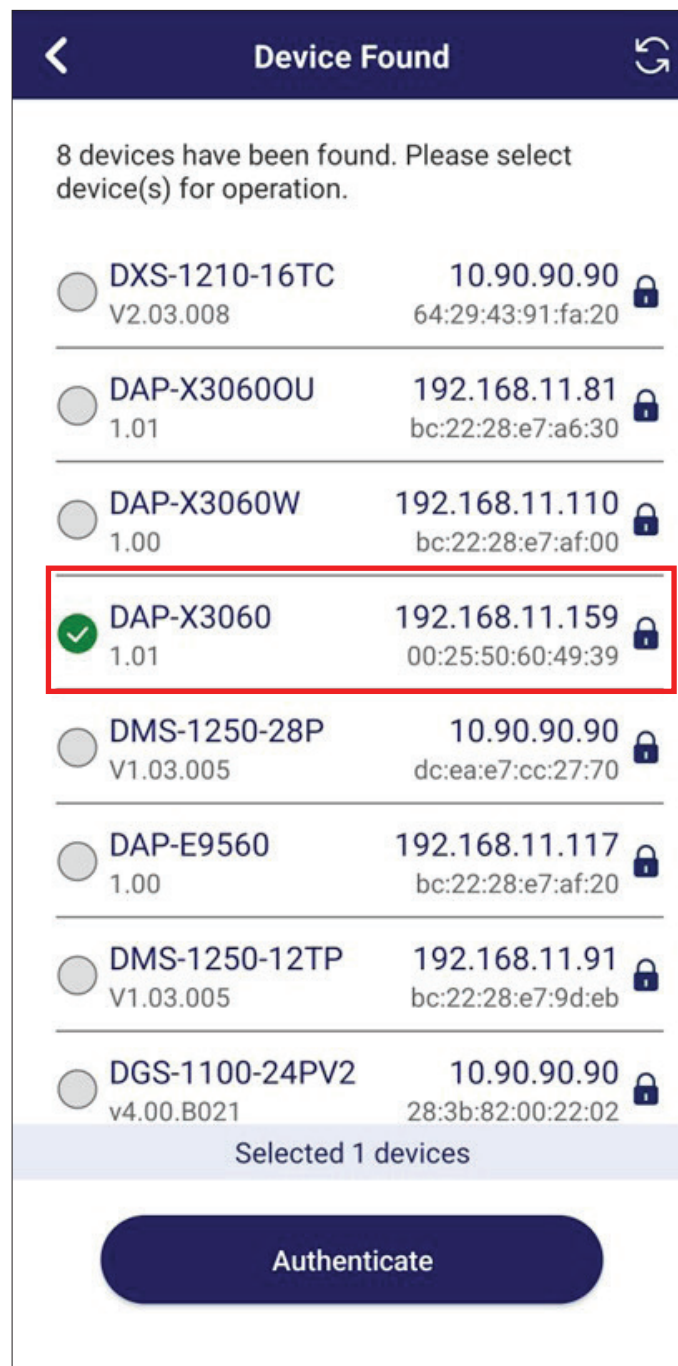
If you want to set another IP address range, click **Add an IP Range**, then click Next to proceed to the next step.



The screenshot shows the Nuclias Unity app interface. At the top, there is a dark blue header with a back arrow and the text "Nuclias Unity". Below the header, the text "Search for Nuclias Unity supported device within your connected network." is displayed. There are two toggle switches: "Scan (Multicast)" which is currently turned off, and "IP Range (Unicast)" which is currently turned on. Below the "IP Range (Unicast)" toggle, there is a text input field showing "From 192.168.0.1 to 192.168.0.255" with a red minus button to its right. A red rectangular box highlights a button with a plus icon and the text "Add an IP range". At the bottom of the screen, there is a dark blue rounded rectangular button with the text "Next".

Device Found

After setting up the IP address range, the connected devices will appear as shown in the picture below. Select the device you want to manage through Nuclias Unity and click Authenticate to proceed to the next step.



When authenticating, you must enter the device's username and password. If authentication fails, it indicates that the device's login credentials may have been changed from the default settings. In this case, we recommend performing a hardware reset on the device and then adding it again.

The default username and password are both "admin." You may also set your own username and password based on your requirements. After entering the credentials, click Apply to authenticate and adopt your devices.

The screenshot shows a mobile application interface titled "Device Found". At the top, a dark blue header bar contains a back arrow on the left and a refresh icon on the right. Below the header, a message states: "5 devices have been found. Please select device(s) for operation." A list of devices is shown, with the first device, "DAP-X3060", selected and marked with a green checkmark. To the right of the device name, the IP address "192.168.0.173" and the MAC address "00:25:50:60:49:39" are displayed, along with a lock icon. A white login modal is centered on the screen. The modal has a title "Login" and two input fields: one for the username "admin" and one for the password "admin" with a toggle icon. Below the input fields are two buttons: a dark blue "Apply" button and a white "Cancel" button with a dark blue outline. At the bottom of the screen, a grey bar indicates "Selected 2 devices" and a large dark blue "Authenticate" button is positioned below it.

Device Found

5 devices have been found. Please select device(s) for operation.

✓ DAP-X3060 192.168.0.173 00:25:50:60:49:39

1.01

Login

admin

admin

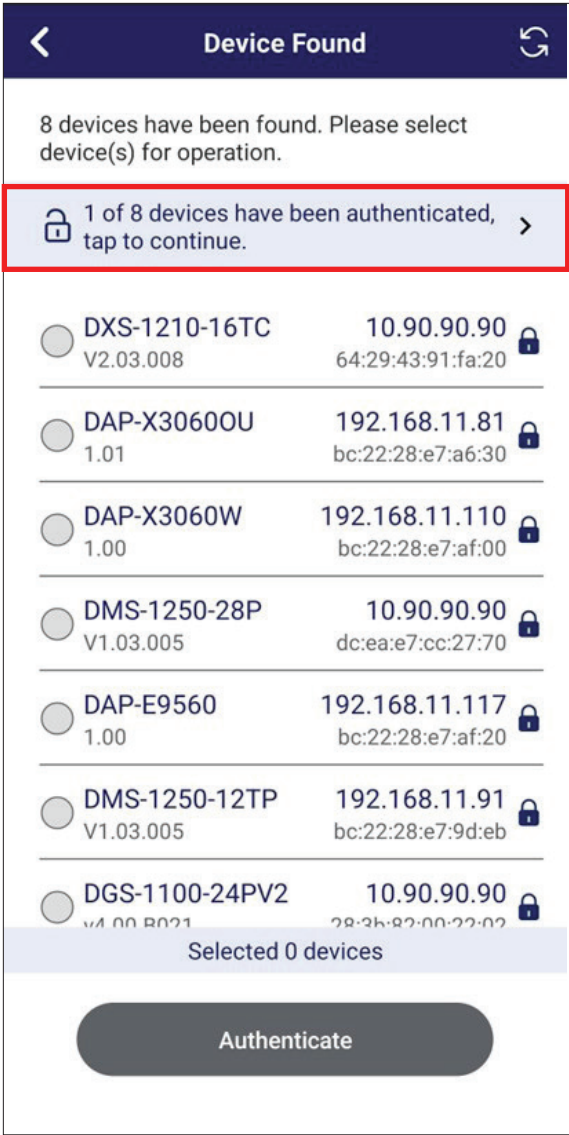
Apply

Cancel

Selected 2 devices

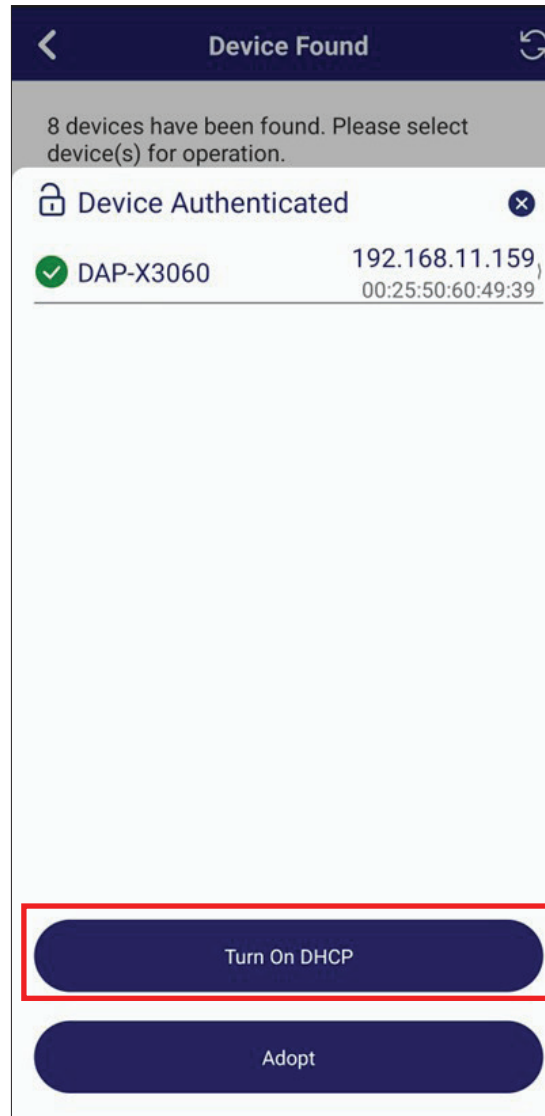
Authenticate

When you authenticate the device, a notification will appear at the top indicating how many devices have been authenticated for management through Nuclias Unity. Tap the notification to continue and adopt your connected devices into Nuclias Unity.



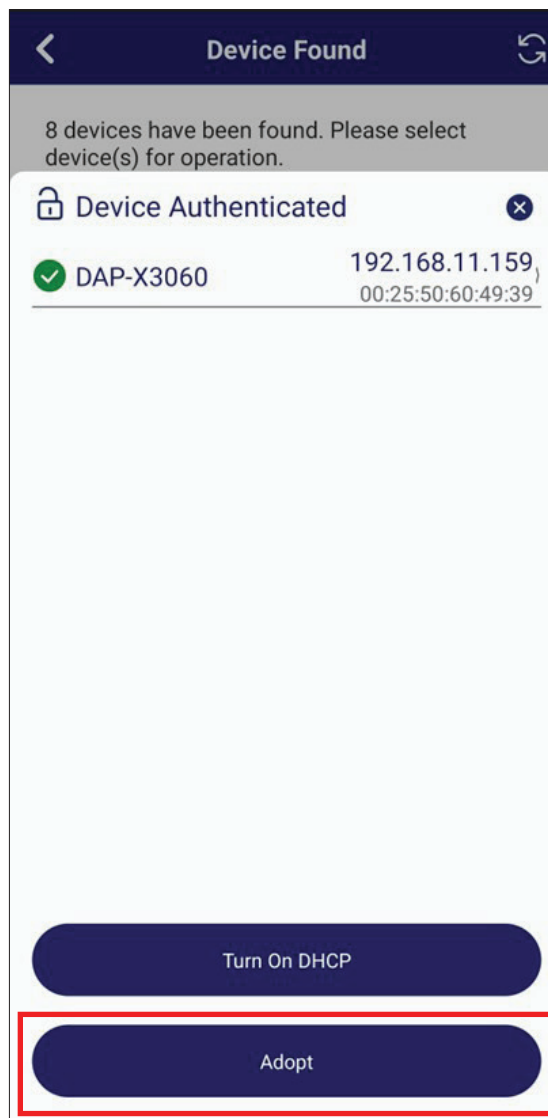
Turn On DHCP

Now select the authenticated device and click Turn On DHCP before clicking Adopt, as shown in the picture below. This enables DHCP on the device so it can obtain an IP address automatically.



Adopt Device

Now select the authenticated device and click **Adopt**, as shown in the picture below.

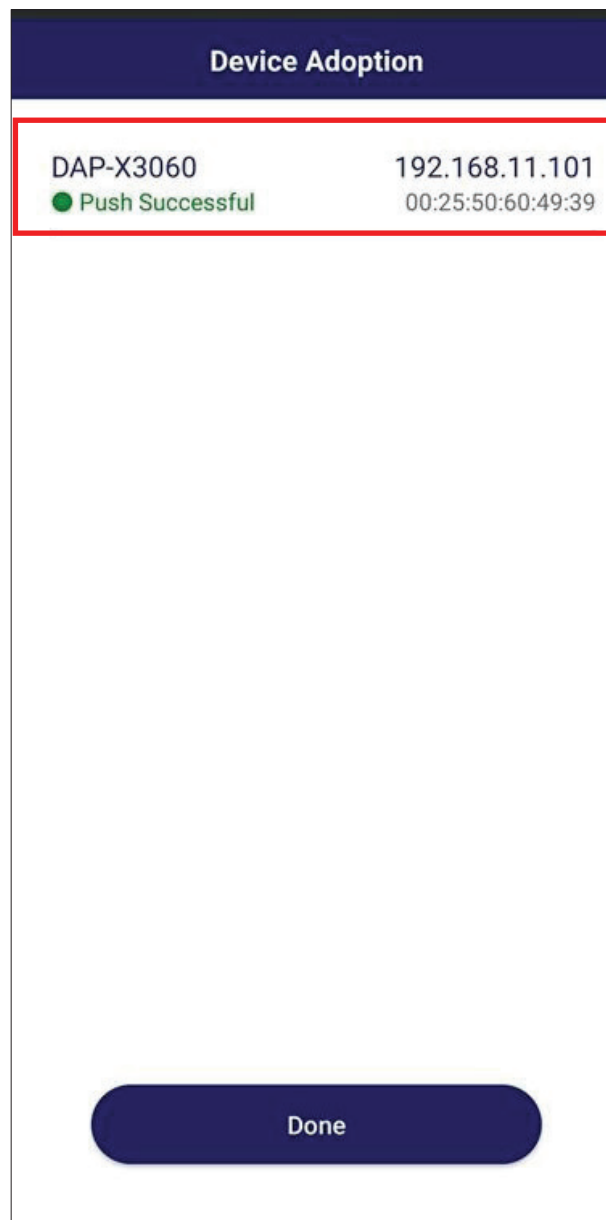


Device Adaption

After clicking Adopt, a success notification will appear, as shown in the picture.

The adopted devices will now appear under your Organization and Site Name. Click Done and repeat the process if you need to adopt more devices into your organization.

To verify that your devices are online, log in to Nuclias Unity using a web browser and check your Organization.



Nuclias Unity Proxy

Nuclias Unity Proxy is a dedicated software appliance designed to act as an intermediary bridge between the Nuclias Unity cloud platform and specific high-end on-premises network devices.

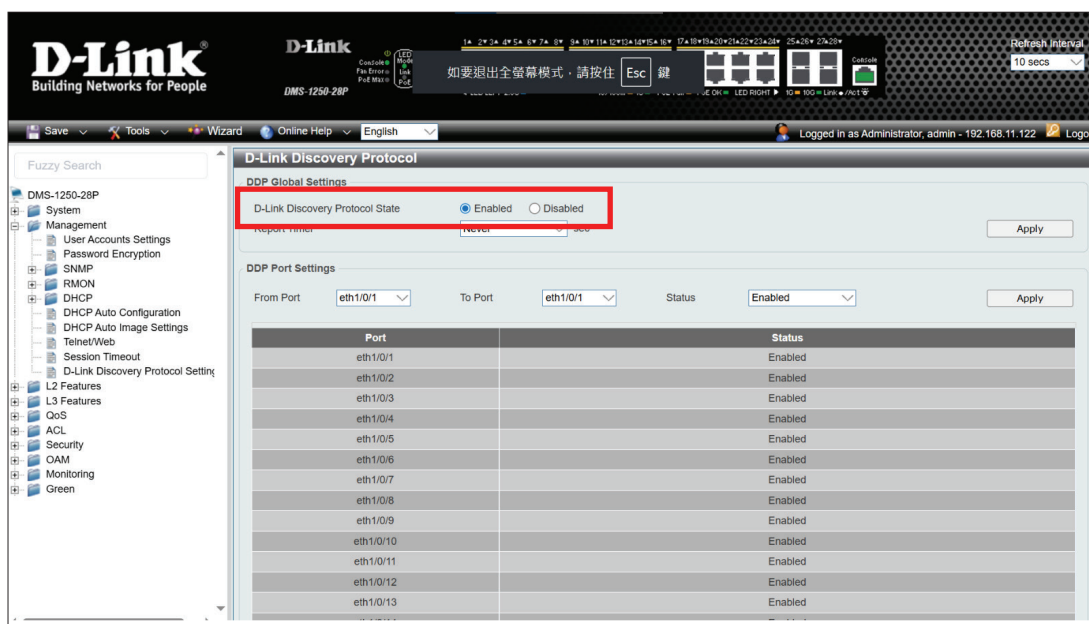
Here are the key details about Unity Proxy based on the provided documents:

Software-Based Solution: It is not a hardware controller. The Unity Proxy software must be installed on a PC running **Windows 10 or a later version (64-bit)**.

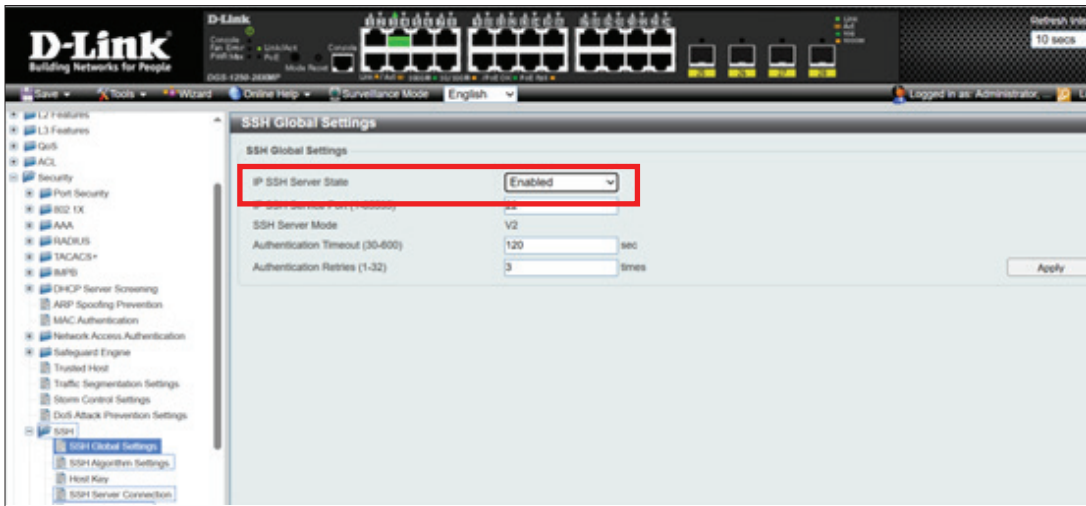
The supported device of Unity Proxy will be more and more in the future. Suggest to put “Resource Center” URL let user can download Unity Proxy and also can check Compatible Products.

Pre-configuration Requirements: switches managed via Unity Proxy require manual pre-configuration before they can be adopted. This includes enabling the D-Link Discovery Protocol (DDP), enabling the IP SSH Server State, generating an RSA Host Key (e.g., 2048-bit), and setting the IPv4 interface to DHCP. It also requires a third-party component called Npcap (version 1.86 or higher) to function properly.

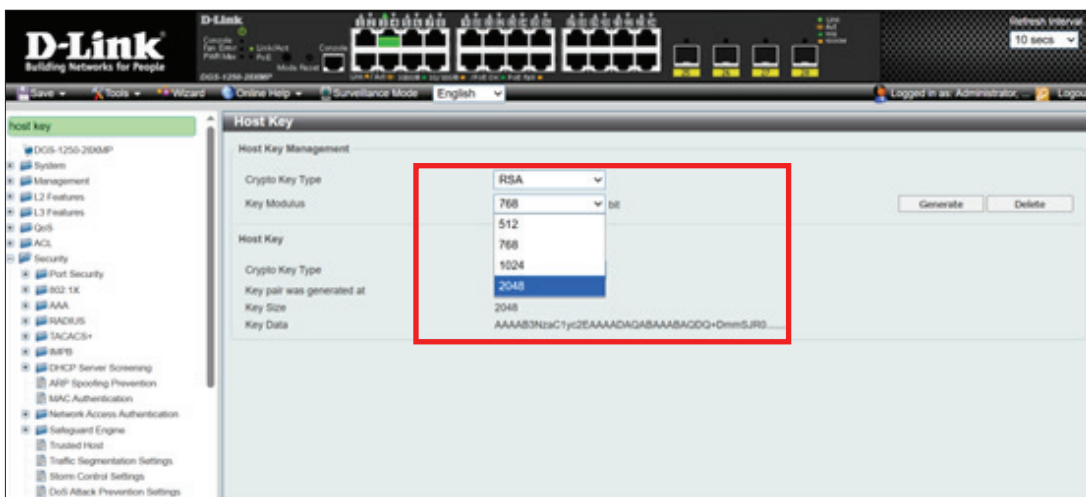
DDP Enable – Enables the D-Link Discovery Protocol



SSH Global Setting: Enable – Enables Secure Shell (SSH) access, allowing secure remote management of the device through an encrypted command-line connection.



Generate Host Key – Select the Key Modulus with the maximum bit (2048) value for stronger security, then click Generate to create the key data.



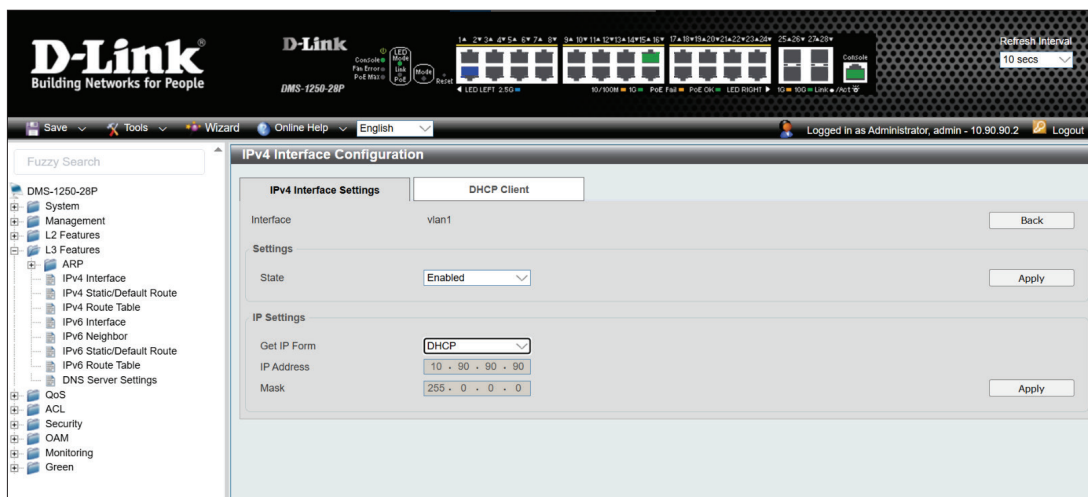
Click Generate, then a Success message will appear.



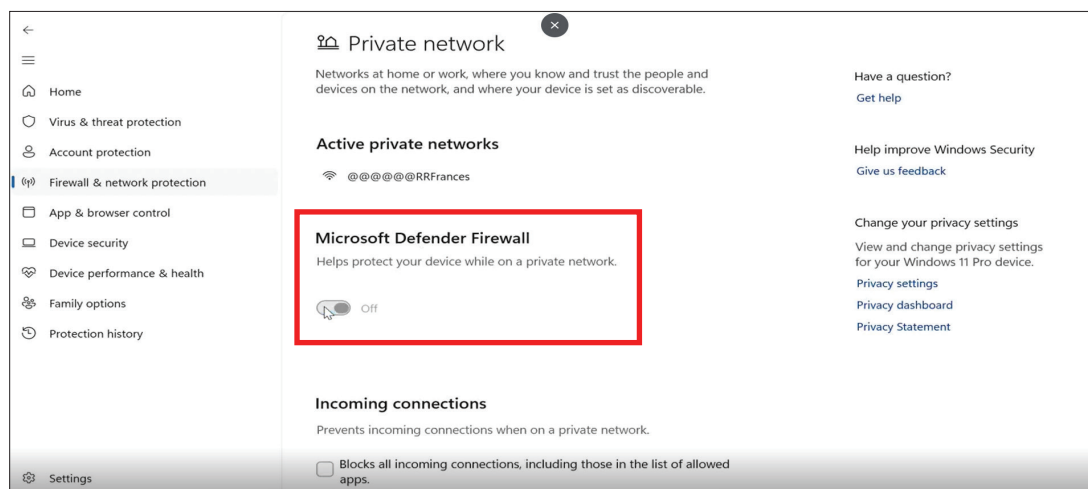
After generation, the key data will be displayed.



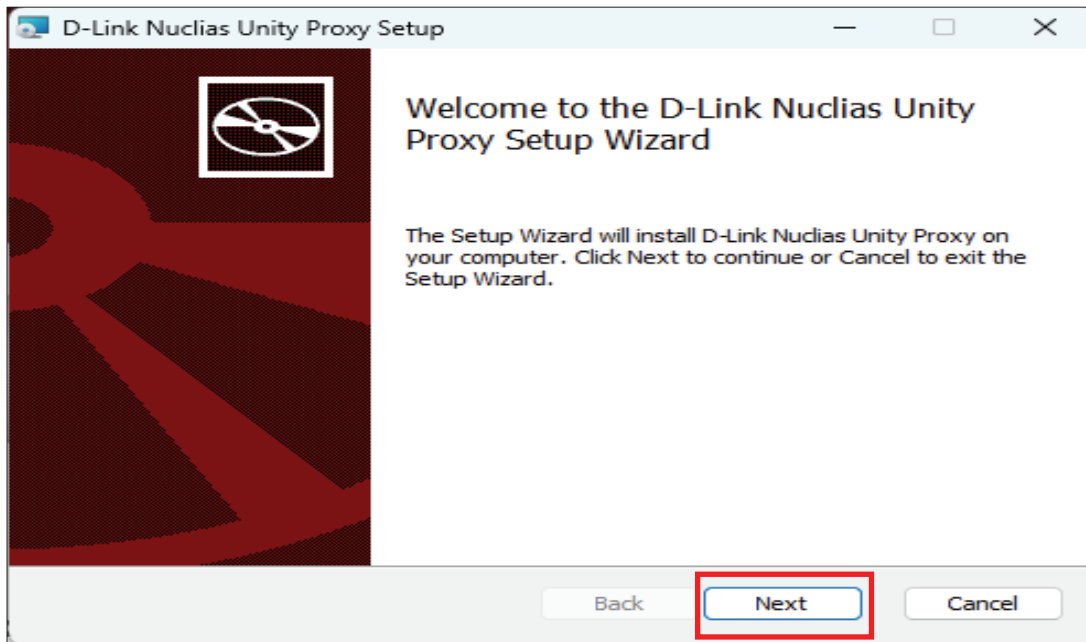
Enable DHCP Mode – Allows the router to automatically assign an IP address to the device.



Before install and use Nuclias Unity Proxy, you need to turn off the firewall on your Windows PC. Navigate to **Firewall & Network Protection** on your Windows PC, then **Turn Off** the Microsoft Defender Firewall.

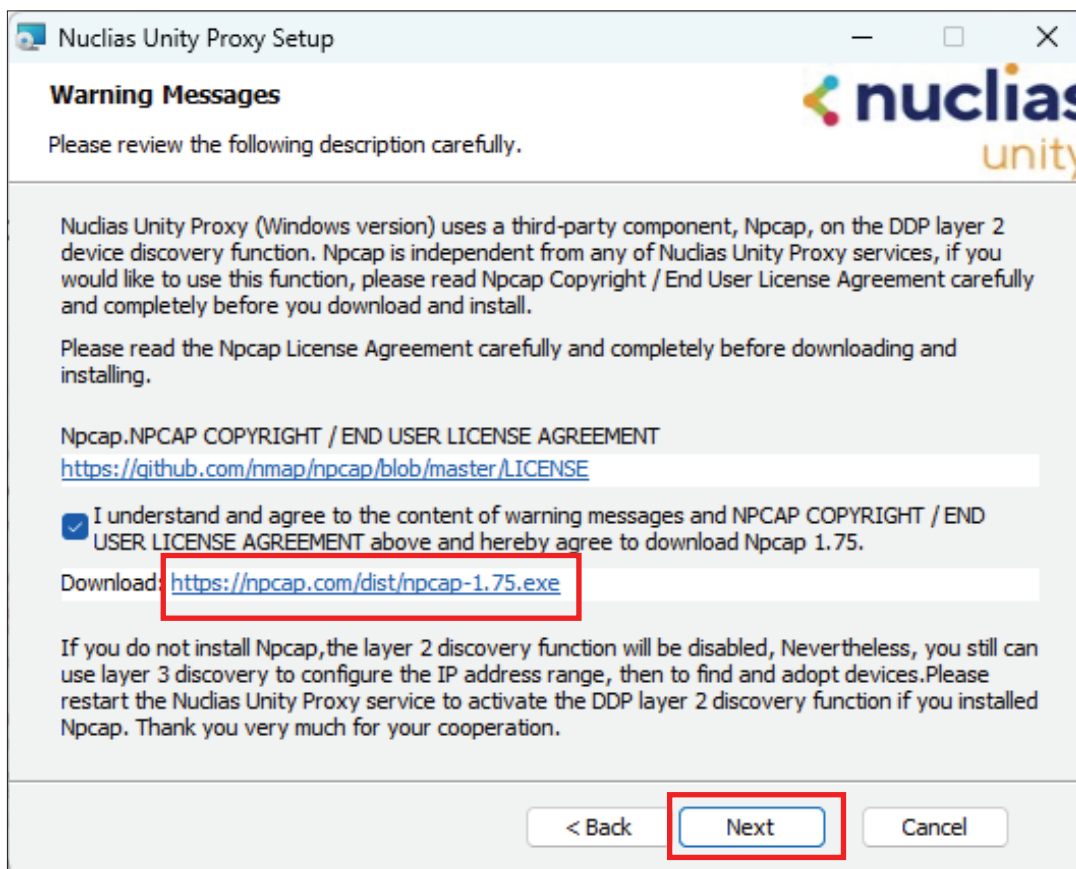


Install Nuclias Unity Proxy on your computer to connect the local network with the Nuclias Unity cloud platform.

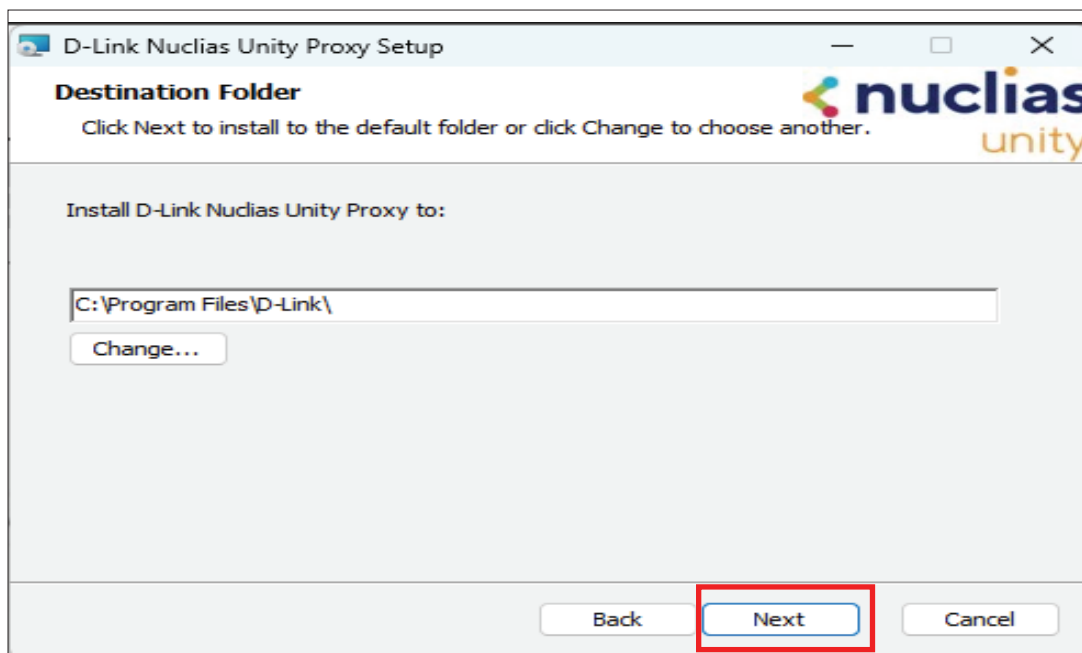


Agree to the Terms and Conditions, then click **Download** to install and redirect to **NCAP** install page.

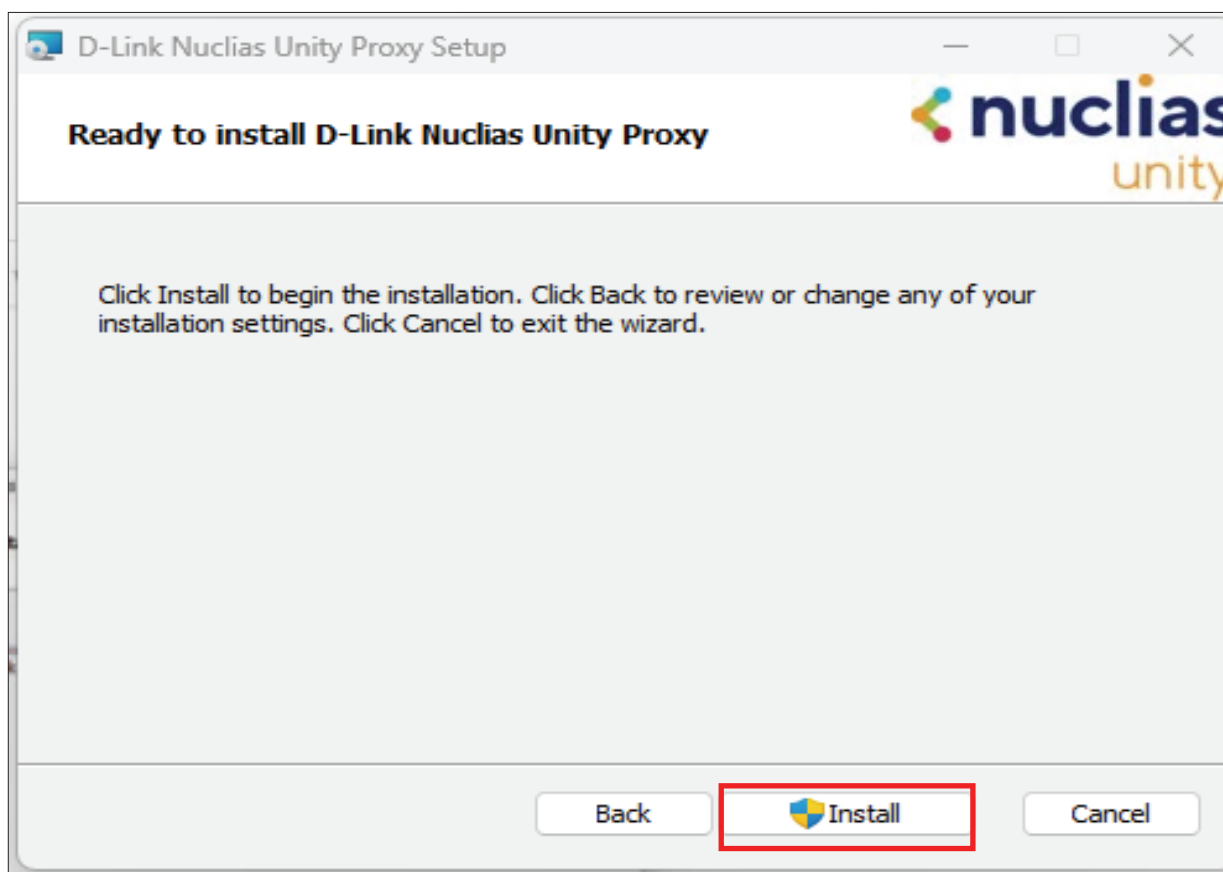
NOTE: Before launching the Nuclias Unity Proxy software, you must first agree to the Terms and Conditions, then click the URL to download the NCAP file and install the NCAP driver. This must be done before finishing the proxy installation; if the proxy installation is already complete, ensure the NCAP driver is installed prior to launching the software.



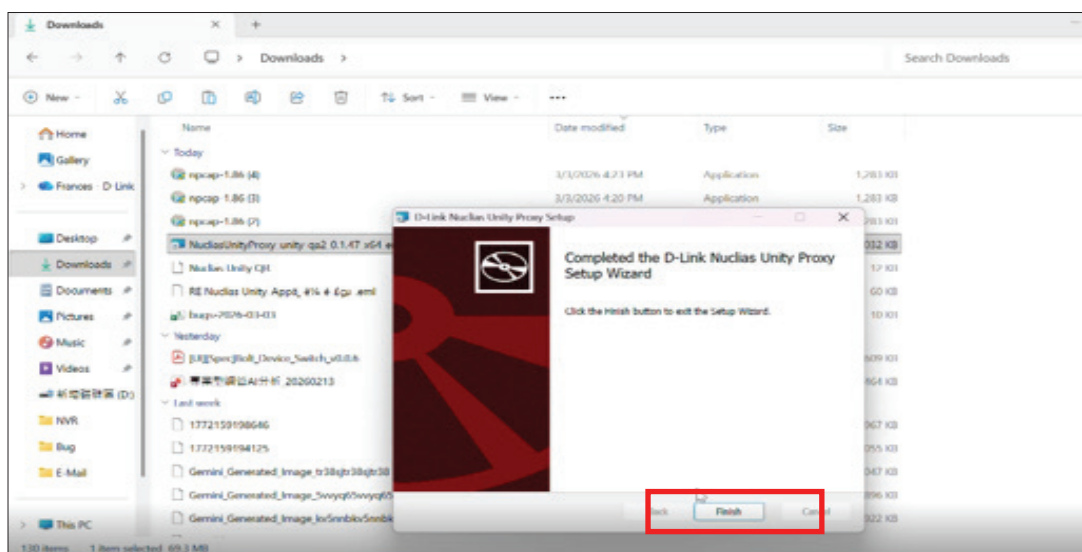
The installer will suggest a default path, such as C:\Program Files\NCAP Driver. We recommend using this location. To change it, click Browse, select your desired folder, and click OK. When ready, click Next to continue.



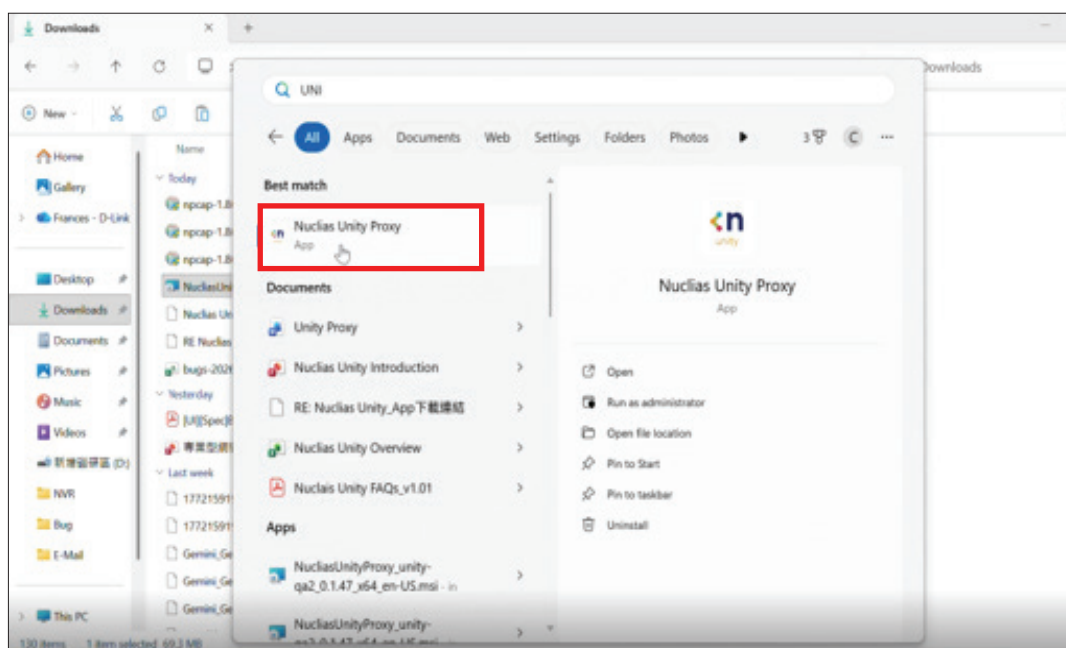
Click Install to begin installing the Nuclias Unity Proxy. The installation progress will be displayed on screen. This process may take a few minutes. Please wait for it to complete.



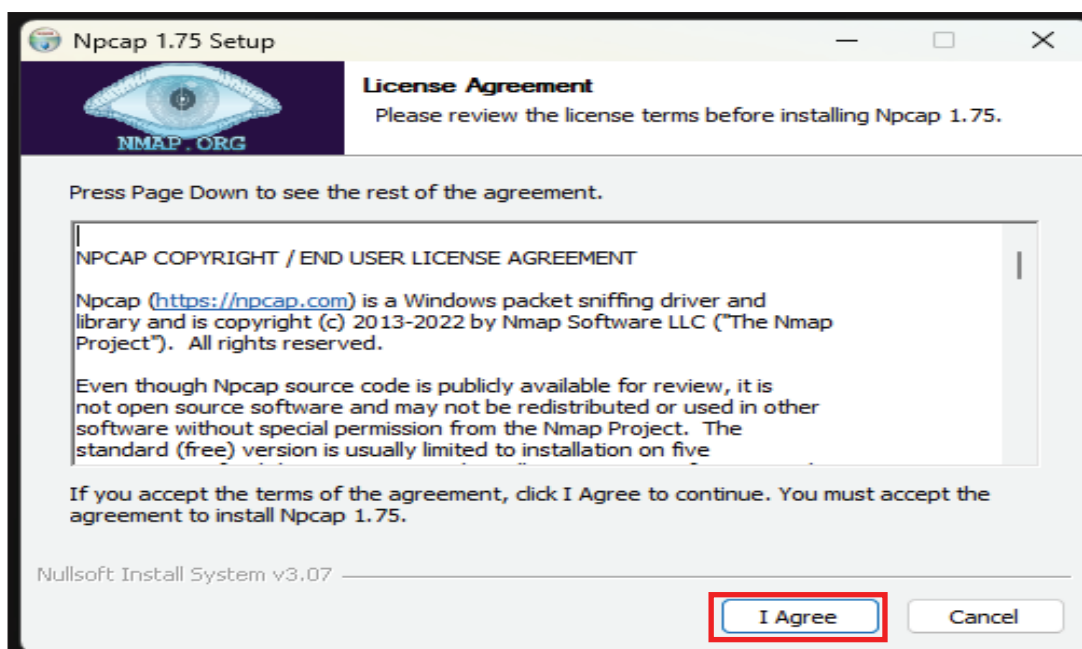
Once the installation is complete, click Finish to exit the setup wizard. The Nuclias Unity Proxy is now installed on your system.



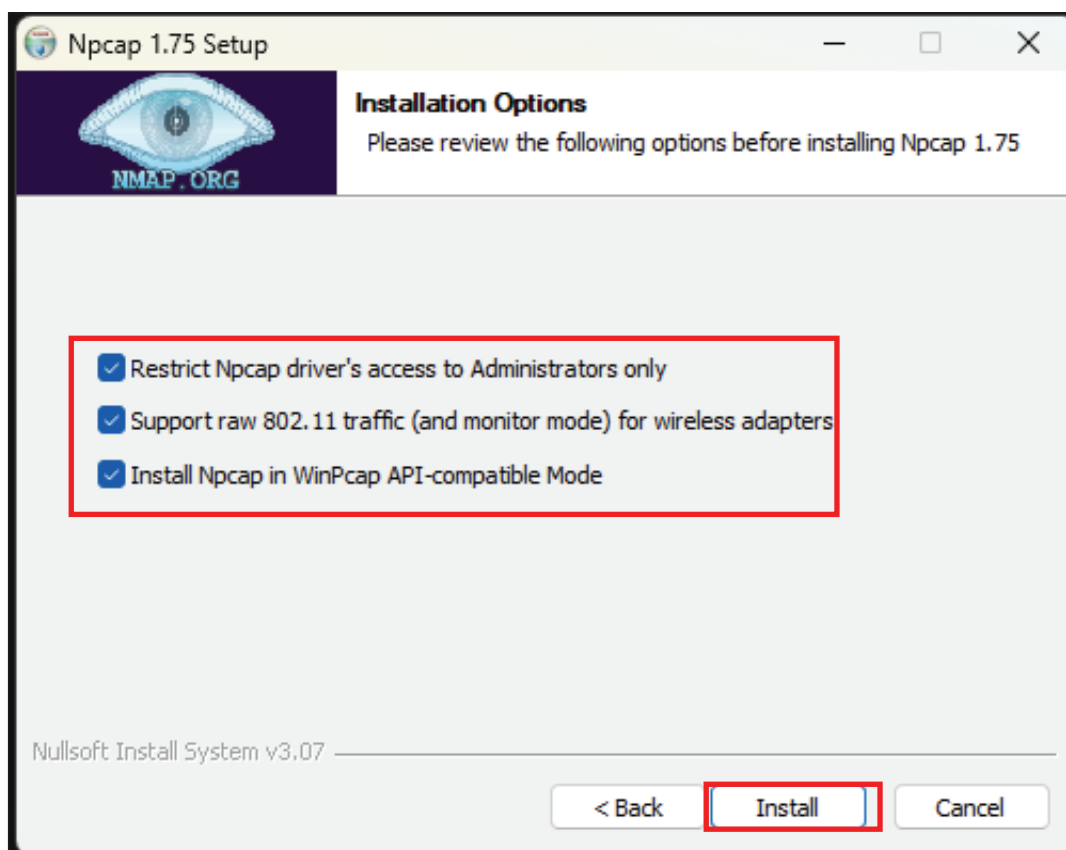
To confirm the software was installed successfully, go to the search bar on your taskbar and type Nuclias Unity Proxy. If the application appears in the search results, the installation is complete and ready to use.



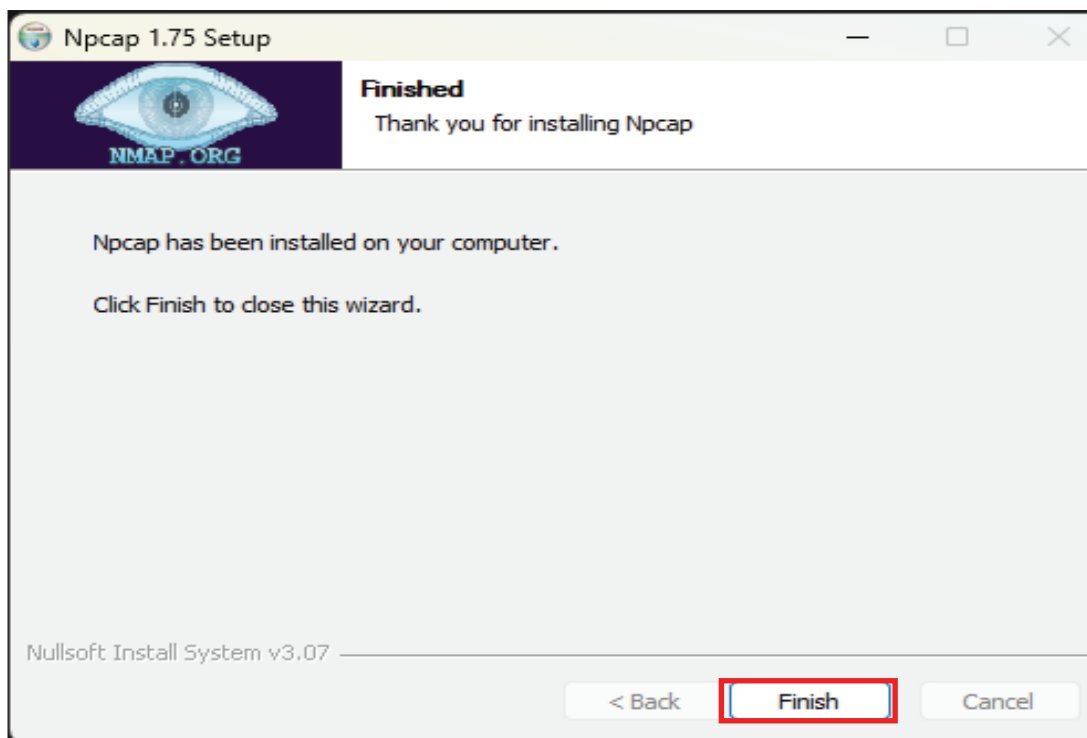
Navigate to the location where you downloaded the Ncap driver file. Double-click the file to begin the installation process.



Select and enable all required options as needed, then click Install to begin installing the Ncap driver. Wait for the installation process to complete.

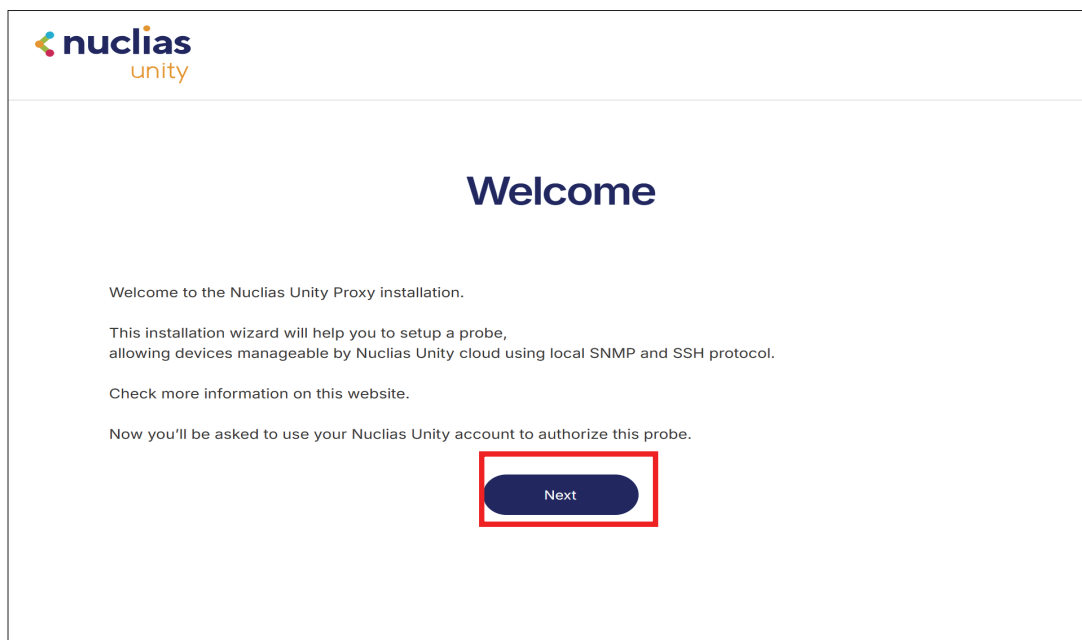


Once the installation is complete, click Finish to exit the setup wizard. The NCAP driver is now installed on your system.

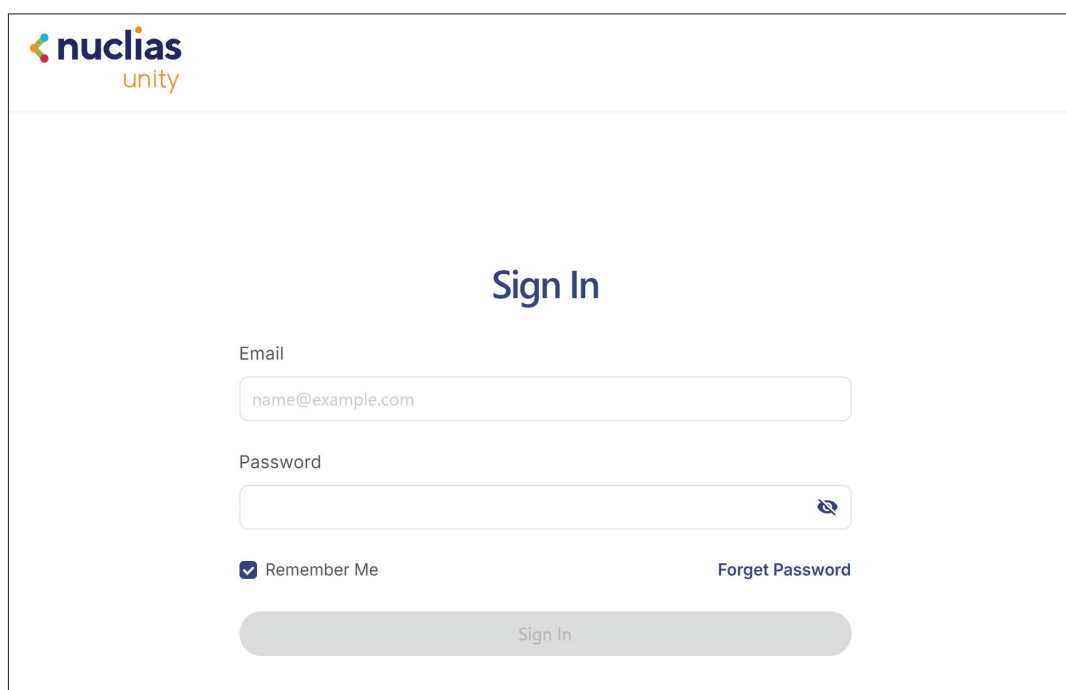


Go to the search bar on your taskbar and type Nuclias Unity Proxy. Select the application from the search results to launch it. Ensure you have a valid account to log in. Enter your credentials, then click Next to proceed.

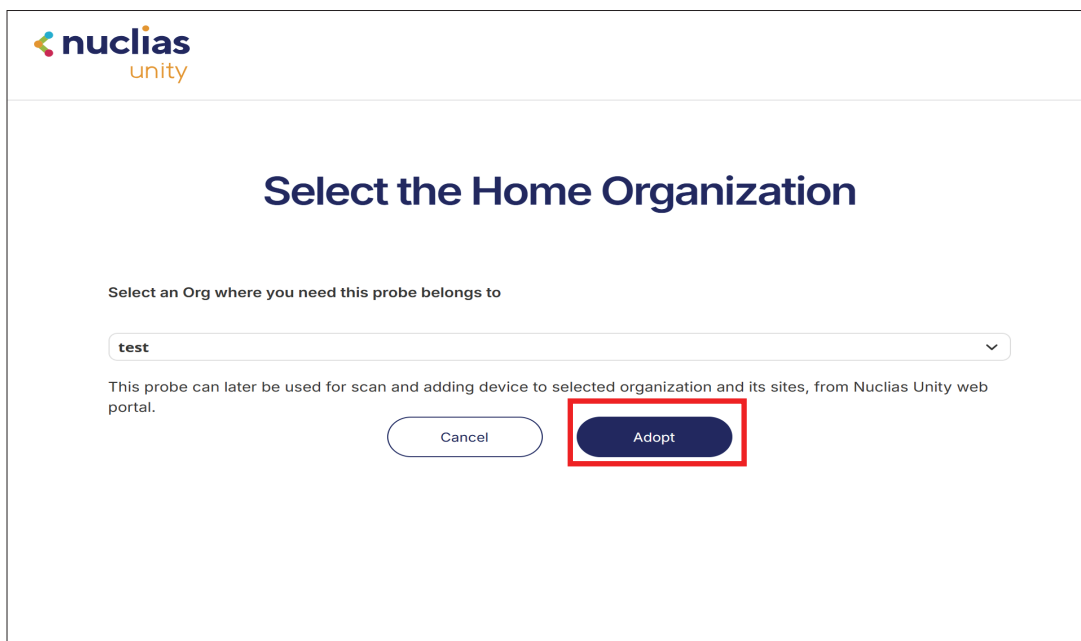
NOTE: Before launching the Nuclias Unity Proxy software, you must first agree to the Terms and Conditions, then click the URL to download the NCAP file and install the NCAP driver. This must be done before finishing the proxy installation; if the proxy installation is already complete, ensure the NCAP driver is installed prior to launching the software.



Log in to your Nuclias Unity cloud platform and verify that you have created an Organization and a Site. These are required before proceeding.

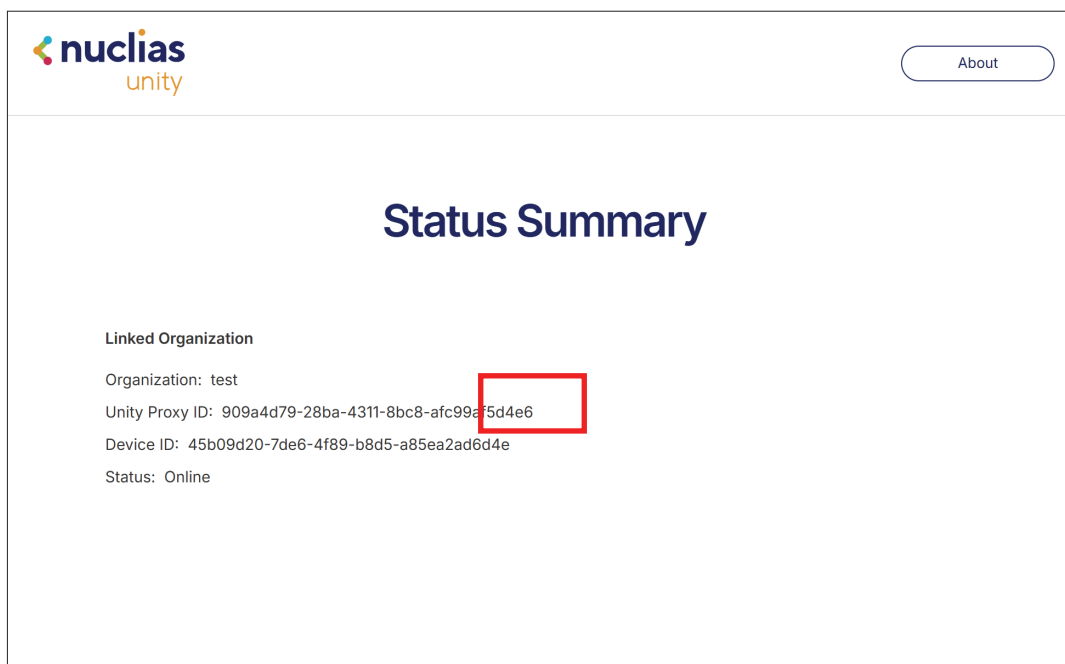


In the Nuclias Unity Proxy window, select the appropriate Organization from the dropdown menu. Create a new Unity Proxy or select an existing one from the list, then click Adopt to continue.



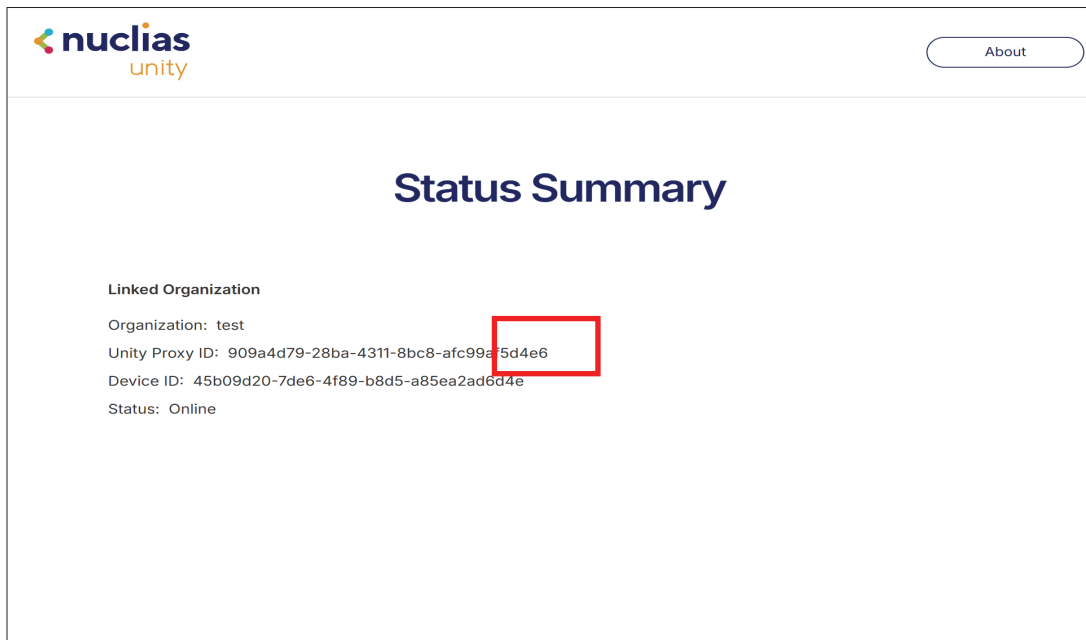
The screenshot shows a dialog box titled "Select the Home Organization" with the Nuclias Unity logo at the top left. Below the title, it says "Select an Org where you need this probe belongs to". There is a dropdown menu with "test" selected. Below the dropdown, a note states: "This probe can later be used for scan and adding device to selected organization and its sites, from Nuclias Unity web portal." At the bottom, there are two buttons: "Cancel" and "Adopt". The "Adopt" button is highlighted with a red rectangle.

Check the Summary section to confirm the status shows Online and that the proxy is successfully linked to your Organization. Before proceeding, ensure that the **Organization Name** and the **last five digits of the Unity Proxy ID** are correctly displayed and match your records.

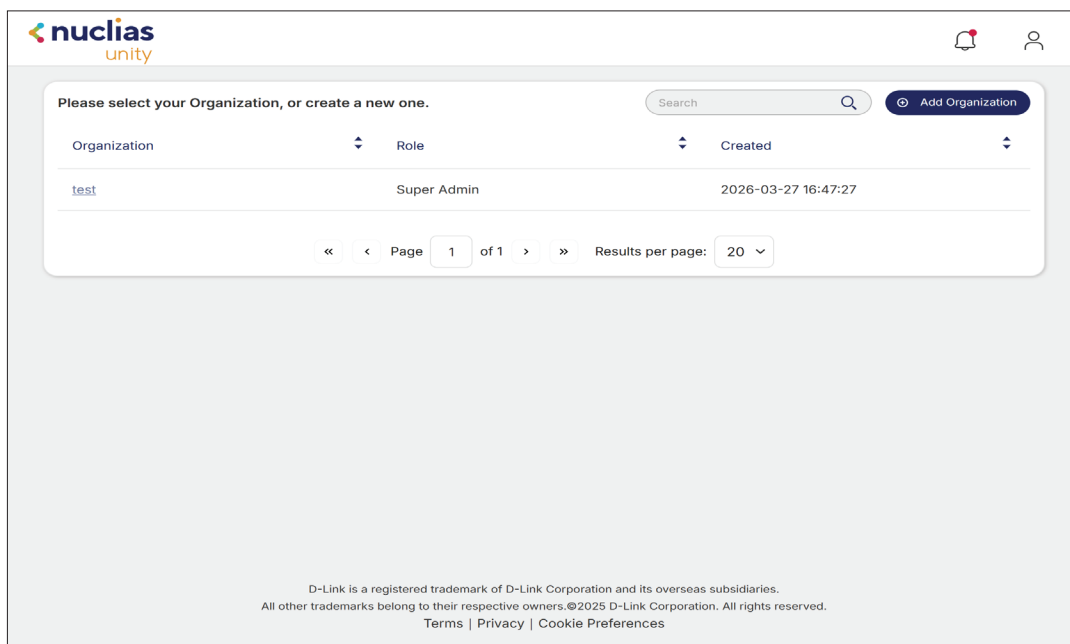


The screenshot shows the "Status Summary" page with the Nuclias Unity logo at the top left and an "About" button at the top right. The title "Status Summary" is centered. Below it, the "Linked Organization" section displays the following information: "Organization: test", "Unity Proxy ID: 909a4d79-28ba-4311-8bc8-afc99a75d4e6", "Device ID: 45b09d20-7de6-4f89-b8d5-a85ea2ad6d4e", and "Status: Online". The last five digits of the Unity Proxy ID, "75d4e6", are highlighted with a red rectangle.

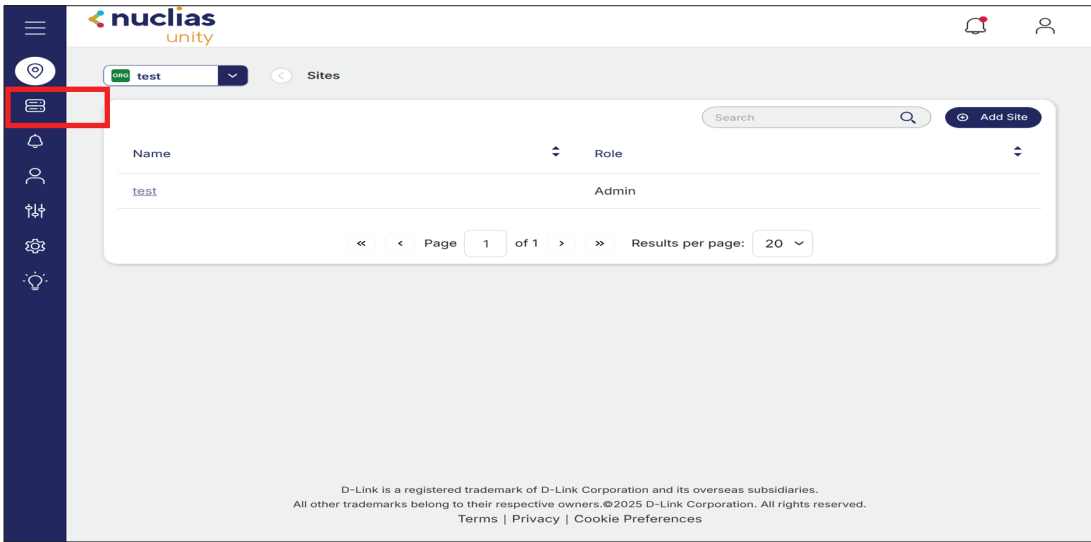
In the Nuclias Unity Proxy window, verify that the Organization Name and the last five digits of the Unity Proxy ID are displayed correctly.



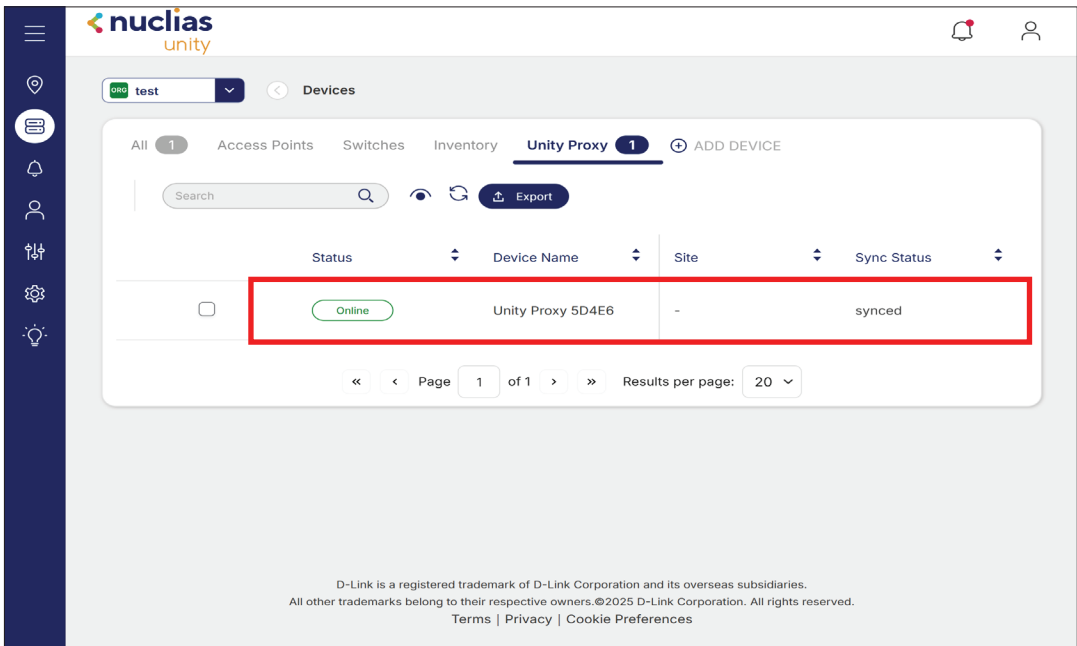
Go to the Nuclias Unity cloud platform and select the appropriate **Organization** from the menu.



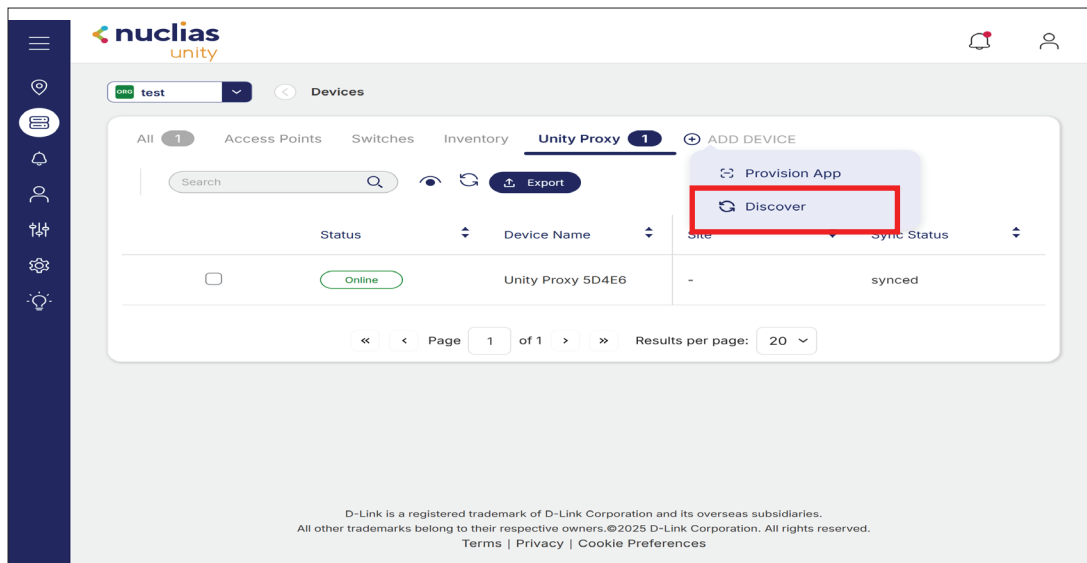
From the left-side menu bar, navigate to Device



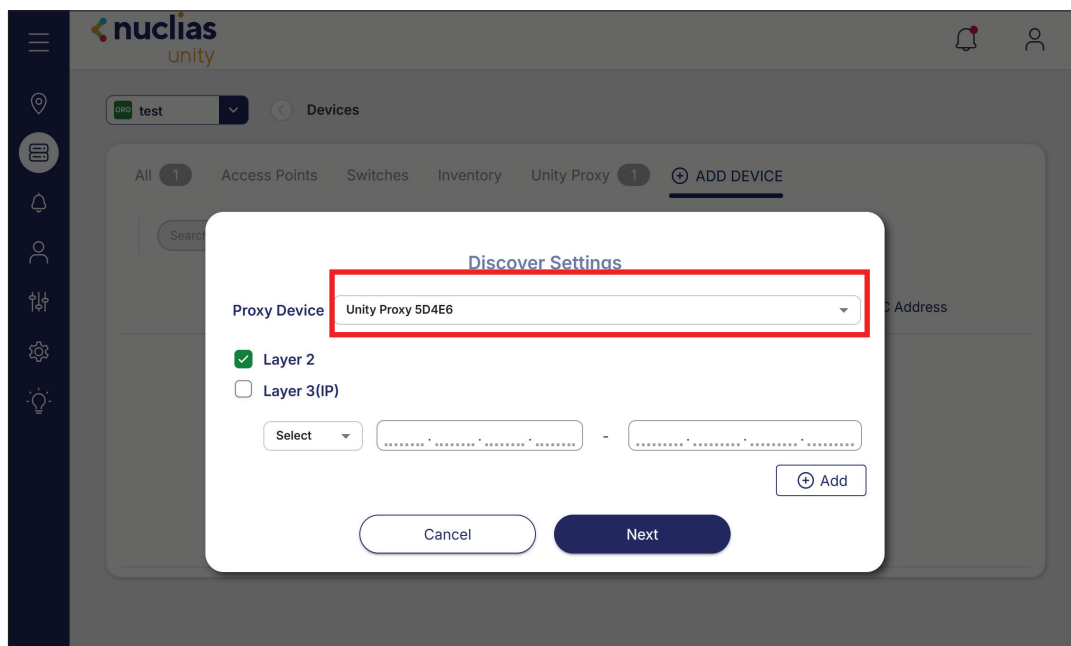
In the Device session, ensure the device name appears along with the last five digits of the **Proxy ID**, and confirm the status is **Online**.



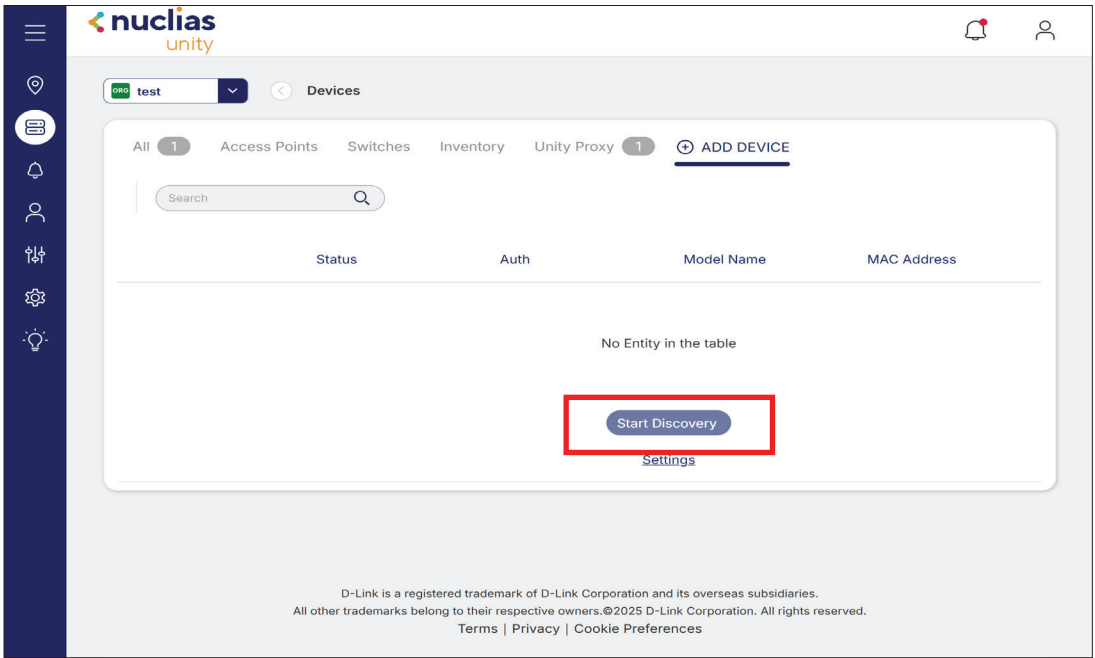
Click Add Device, then select Discover to begin searching for available devices.



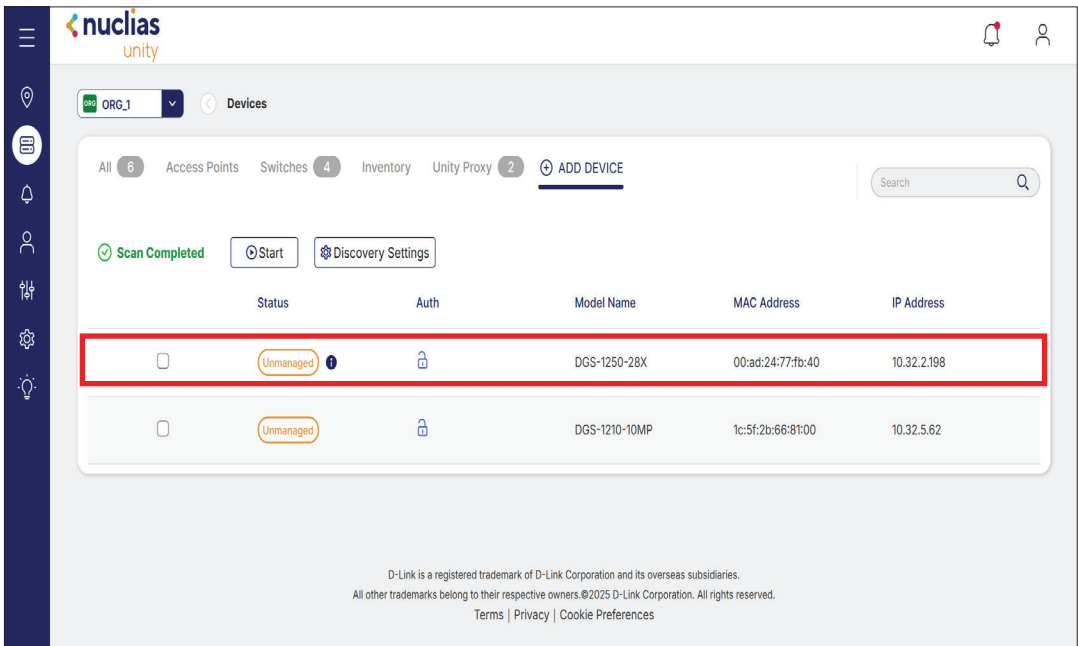
In the Proxy Device list, locate and select the Unity Proxy using the last five digits of its Unity Proxy ID for identification.



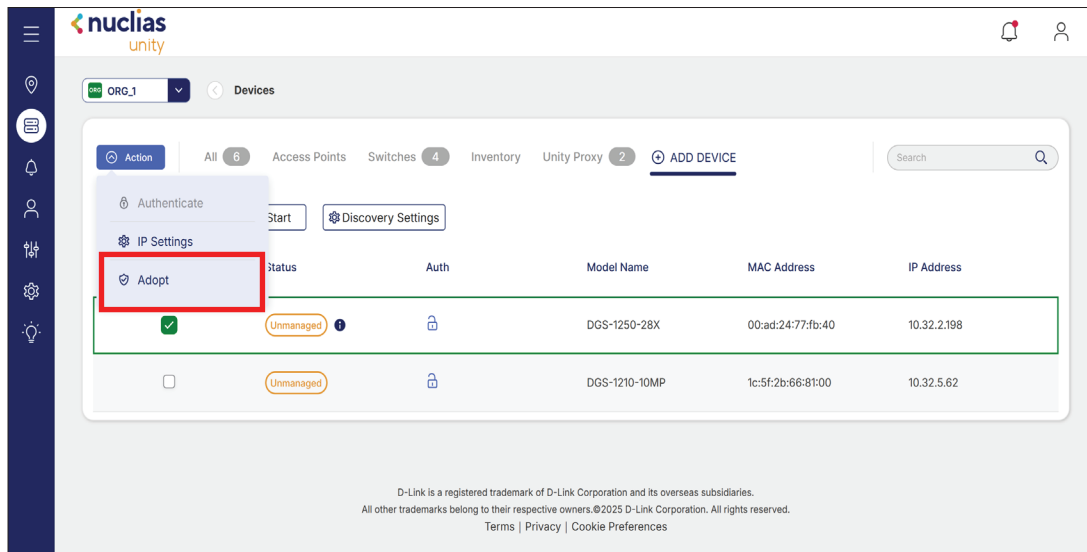
Click Start Discover to begin searching for available devices in Nuclias Unity.



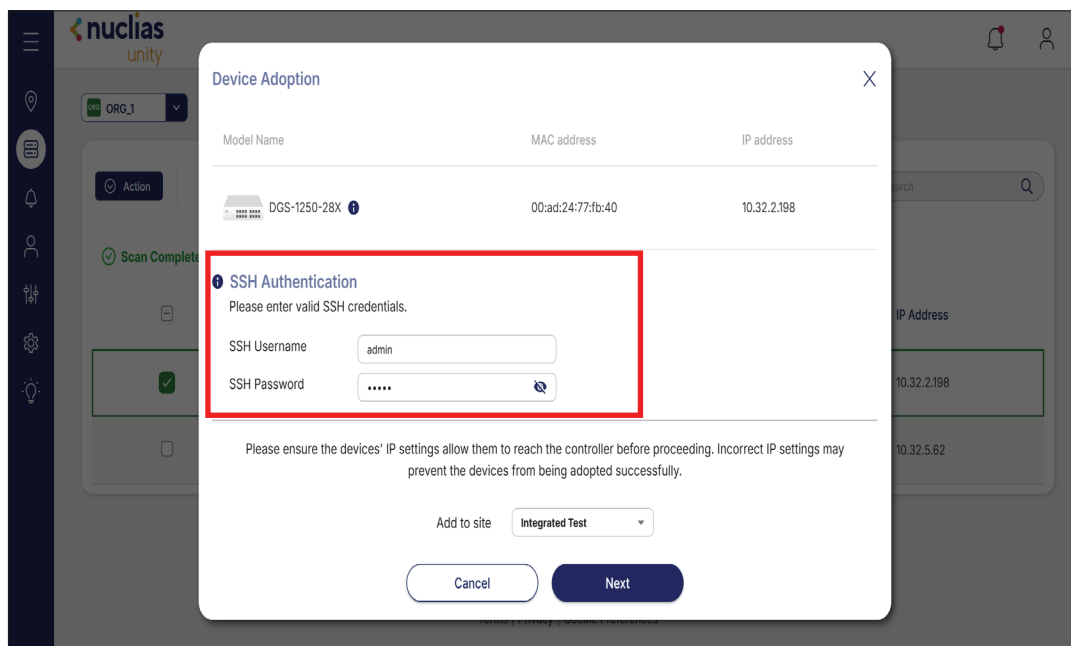
Once discovery is complete, the connected devices will appear in the list. Their initial status will show as Unmanaged.



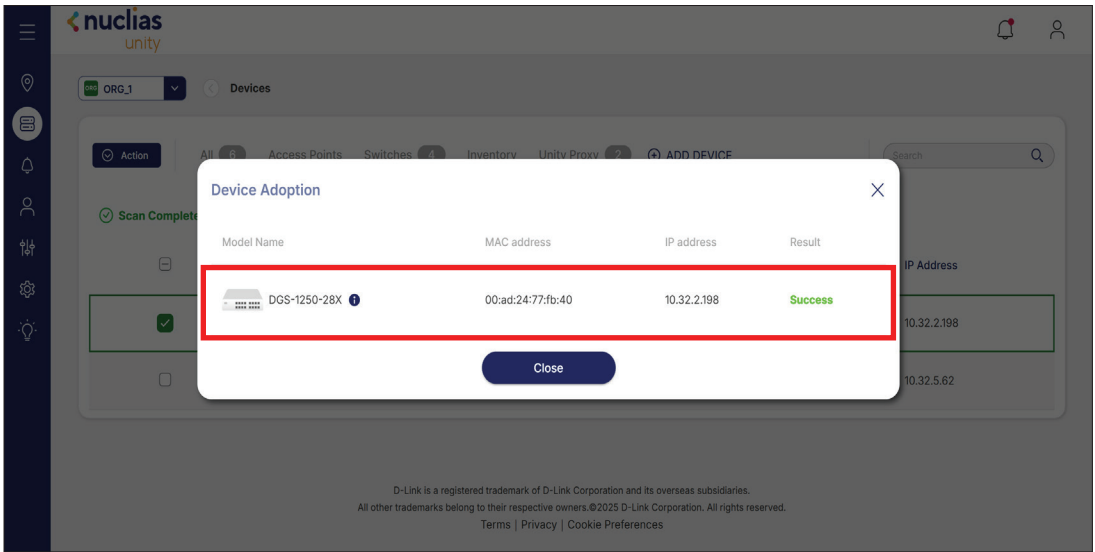
Select the device, go to the Action menu, and choose Adopt to begin managing it in Nuclias Unity.



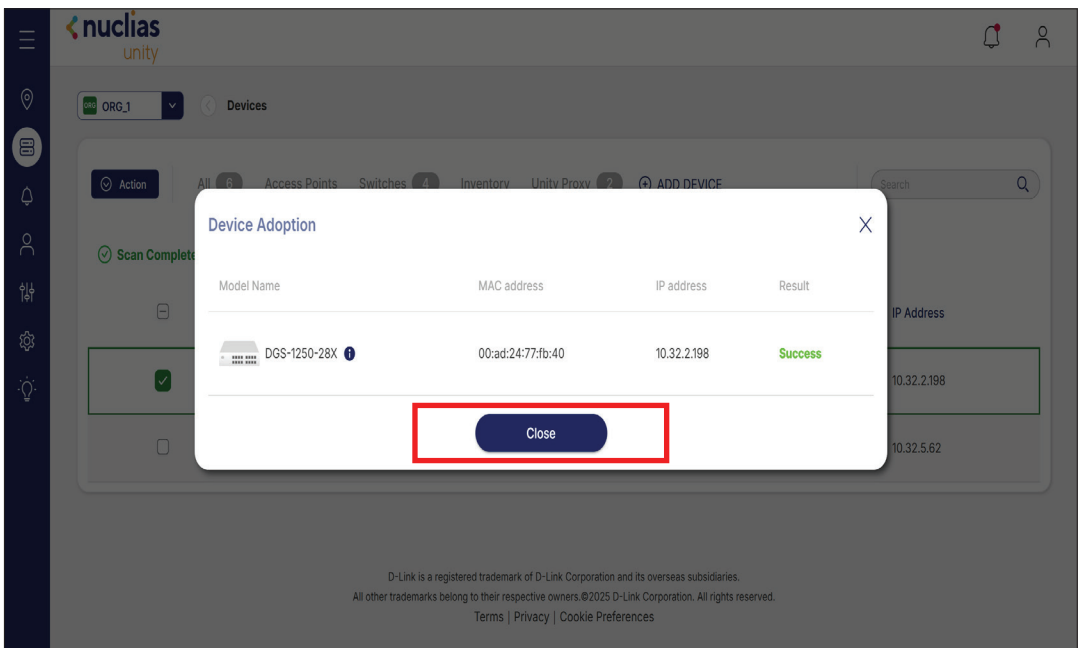
Enter a username and password for the adopted device, then click Next to continue.



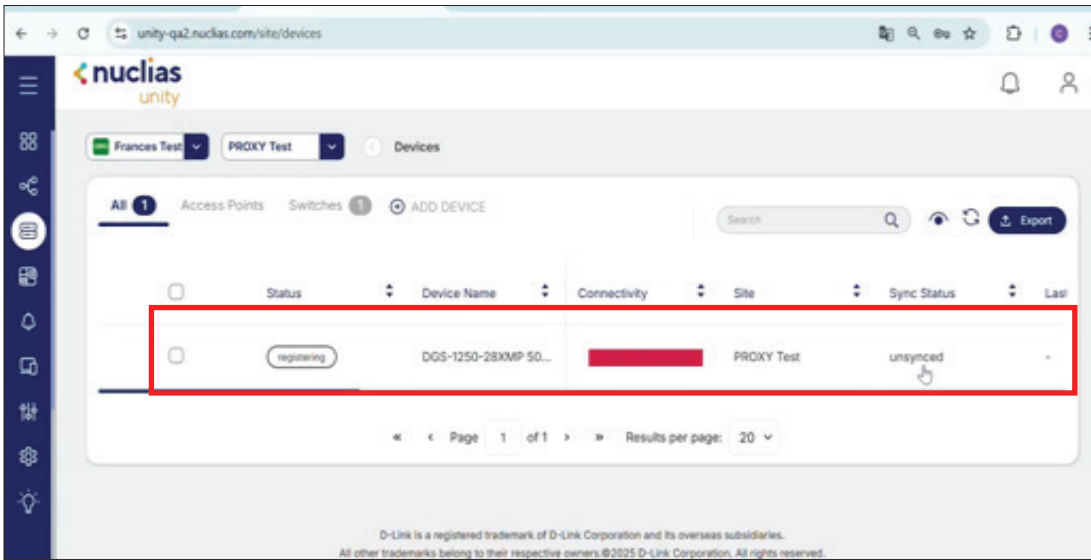
The adopted devices will now display a Success status.



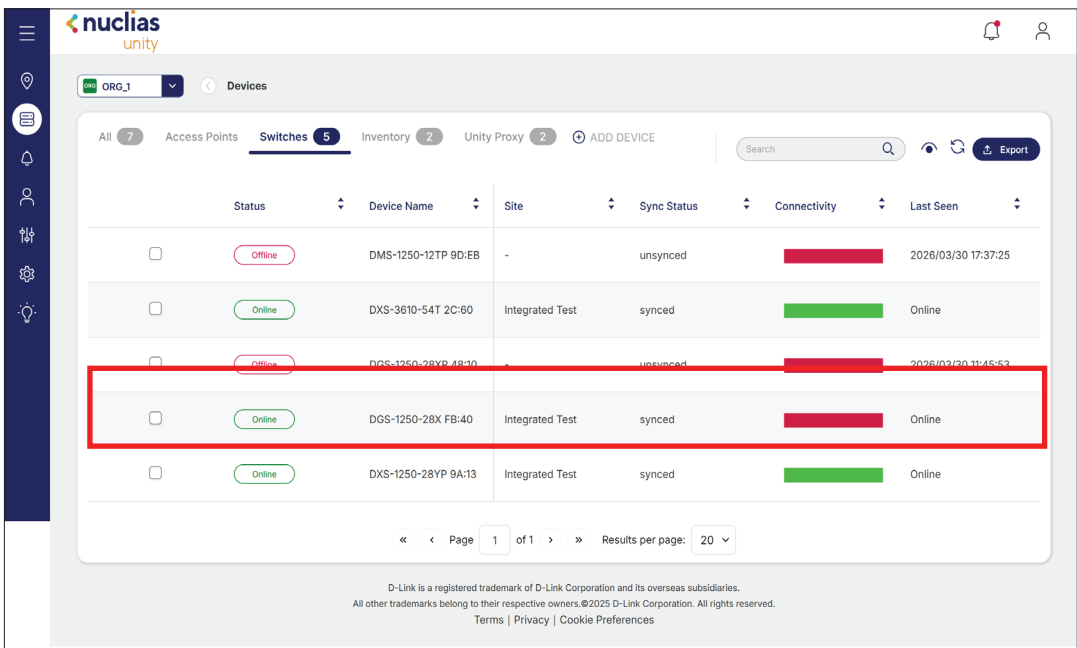
Confirming they have been successfully added and are being managed by Nuclias Unity.



If the device status still shows Registering or Unsynced, wait a few minutes or refresh your browser to allow time for the connection to update.



After a few minutes or refreshing the page, the device status will update to Online and Syncing, indicating it is now properly connected and synchronizing with Nuclias Unity.



Nuclias Unity Portal

Dashboard

After adopting the devices through the Nuclias Unity app, verify that they appear under your Organization and within your created Site Name.

Now log in to Nuclias Unity through your web browser, navigate to your Site, and verify the switches or access points you have adopted into your organization, as shown in the picture below.

After logging in, click your Organization Name. You will then be guided to your Site Name.

Please select your Organization, or create a new one.

Search

Q

Add Organization

Organization	Role	Created
Unity_Test_GMD	Super Admin	2025-11-18 14:16:58

«

<

Page 1 of 1

>

»

Results per page: 20

To view your adopted devices, click your Site Name, as shown in the picture below.

Search

Q

Add Site

Name	Role
GMD-Test	Admin

«

<

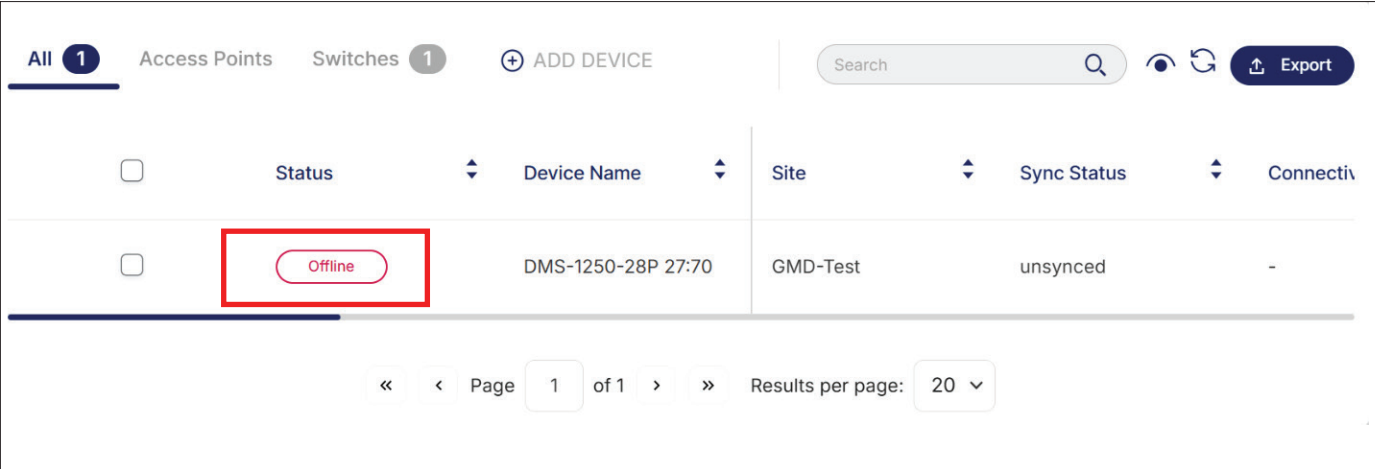
Page 1 of 1

>

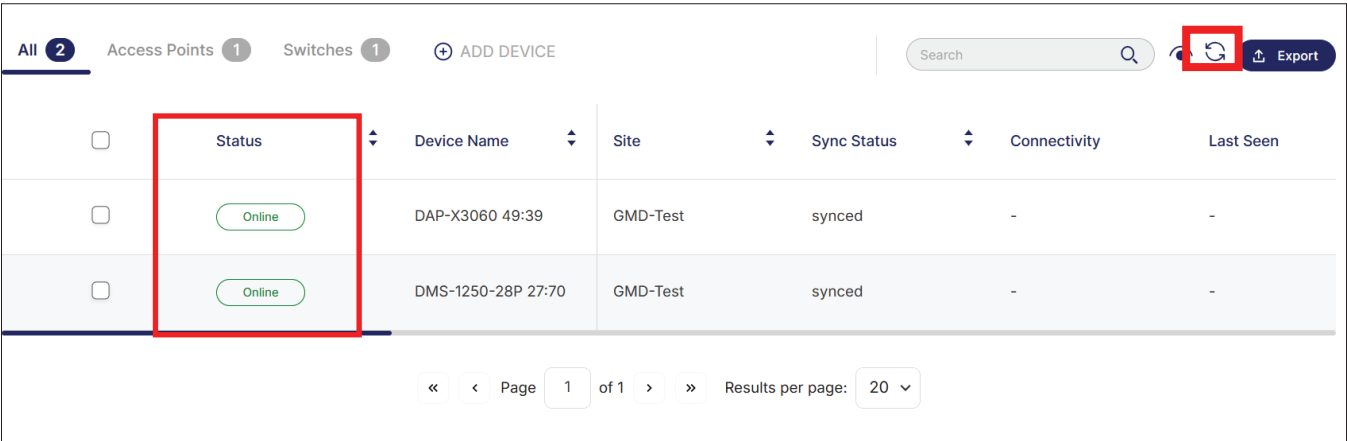
»

Results per page: 20

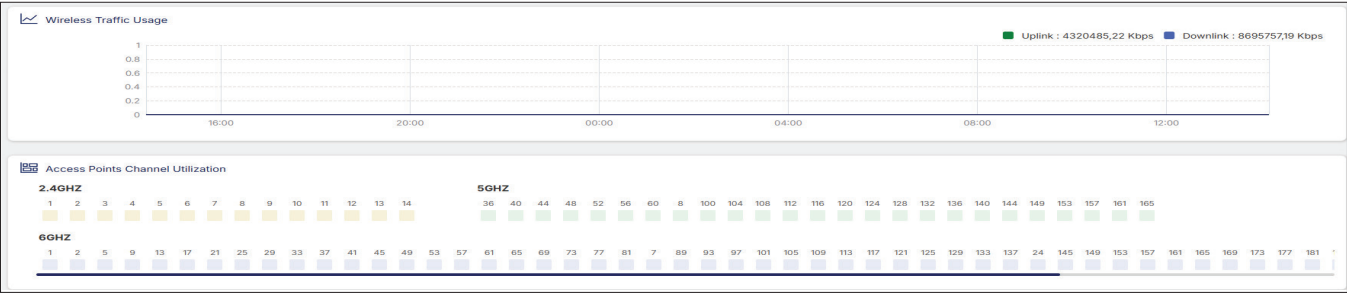
When you click your Site Name, the device status will initially appear as **Offline**, as shown in the picture below.

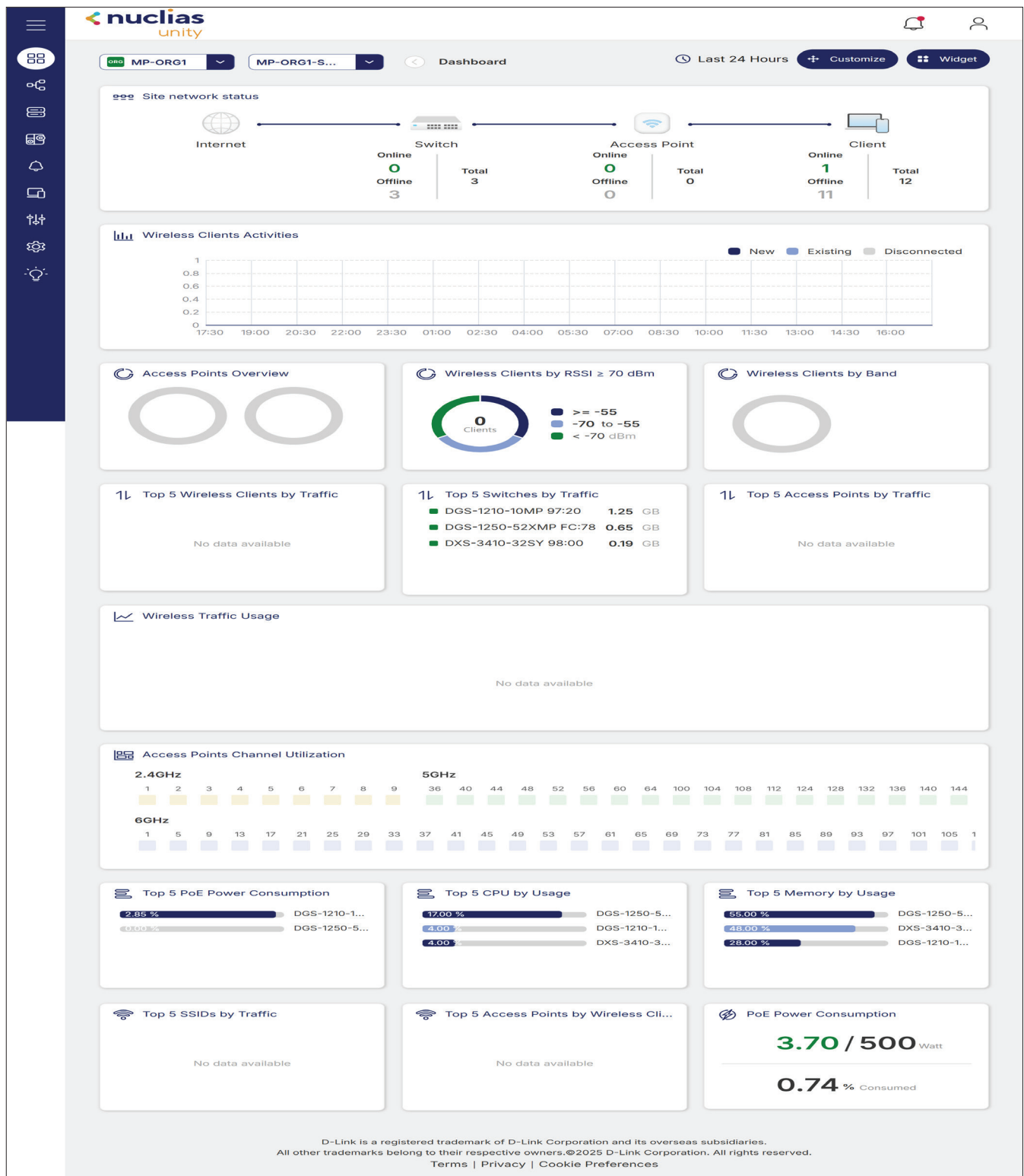


The device status will change to Online, which may take up to ten minutes. If it does not update automatically, click the Refresh option in the top-right corner, as shown in the picture below.



At this stage, you have successfully added your devices into your environment. You can now begin managing and monitoring your connected devices through Nuclias Unity. Additionally, device information such as Memory Usage, CPU Usage, PoE Power Consumption, Site Status, and more will be displayed on the dashboard.



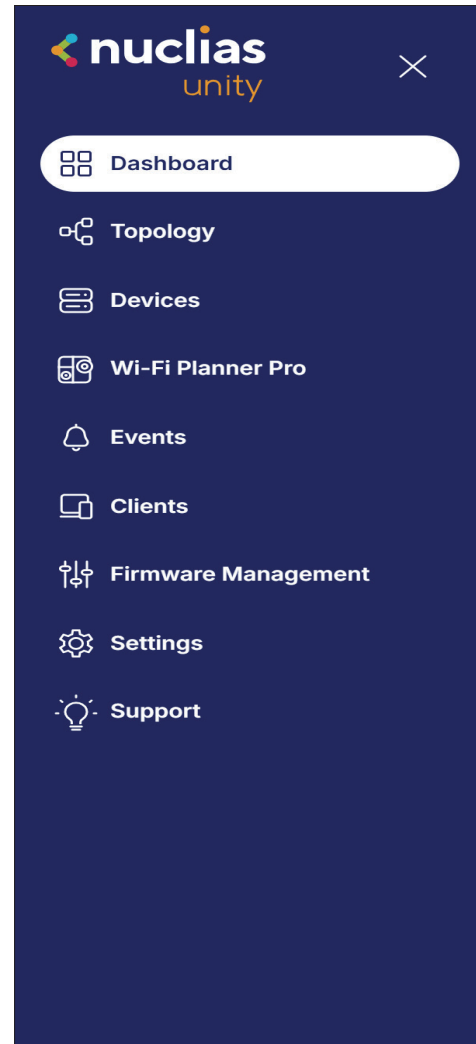


Menu - Organization

- 1 **Sites** - Create, view, and manage sites within the organization. Sites help organize devices and settings by location or deployment group.
- 2 **Devices** - View, add, monitor, and manage network devices such as switches and access points deployed across all sites.
- 3 **Events** - Monitor system events, alerts, and activity logs to track network status and identify potential issues.
- 4 **Users** - Manage user accounts, assign roles, and configure permissions to control access to the organization.
- 5 **Firmware Management** - Upload, manage, and deploy firmware versions to supported devices, ensuring they remain up to date.
- 6 **Settings** - Configure organization-wide settings, preferences, and operational parameters.
- 7 **Support** - Access support resources, documentation, and troubleshooting tools to assist with network management and issue resolution.

Menu - Site

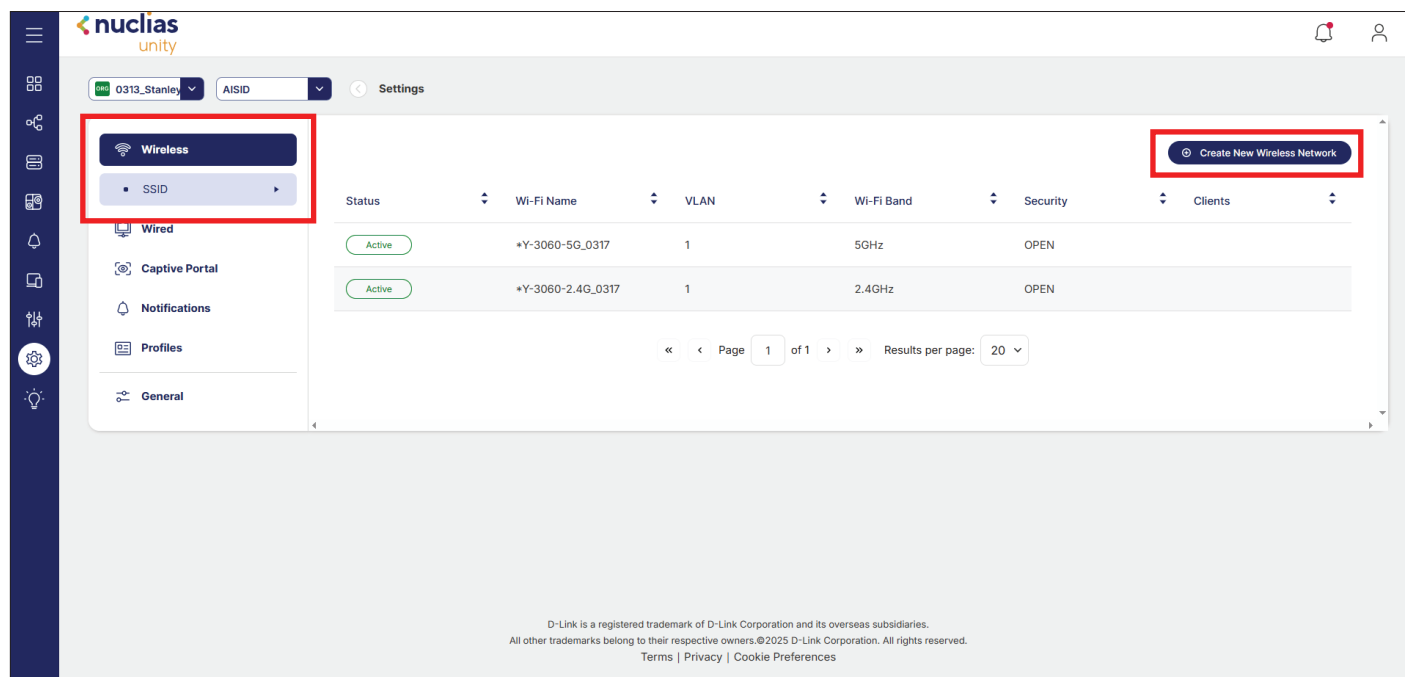
- 1 **Dashboard** - Provides an overview of your network, displaying device status, CPU and memory usage, PoE power consumption, client activity, and site health for quick monitoring.
- 2 **Topology** - LLDP must be enabled to view a visual map of your network, showing how switches and access points are connected. This helps with device placement and understanding network relationships.
- 3 **Devices** - Lists devices within your organization and site. You can view device details, configure settings, monitor performance, and manage devices individually.
- 4 **Wi-Fi Planner Pro** - Simulate Wireless network deployments and signal heatmaps
- 5 **Events** - Provides a centralized log of all network events and alerts. Administrators can view and filter events by Severity, Site, Event Type, and Device Type.
- 6 **Client** - Displays all connected client devices, such as laptops and phones.
- 7 **Firmware Management** - Enables centralized firmware updates for both switches and access points. Administrators can view supported device models, check current firmware versions.
- 8 **Settings** - Allows you to manage site configurations, including wireless SSIDs, wired port settings, port profiles, and time zone options for your organization.
- 9 **Support** - Access resources like manuals, release notes, announcements, and device compatibility lists.



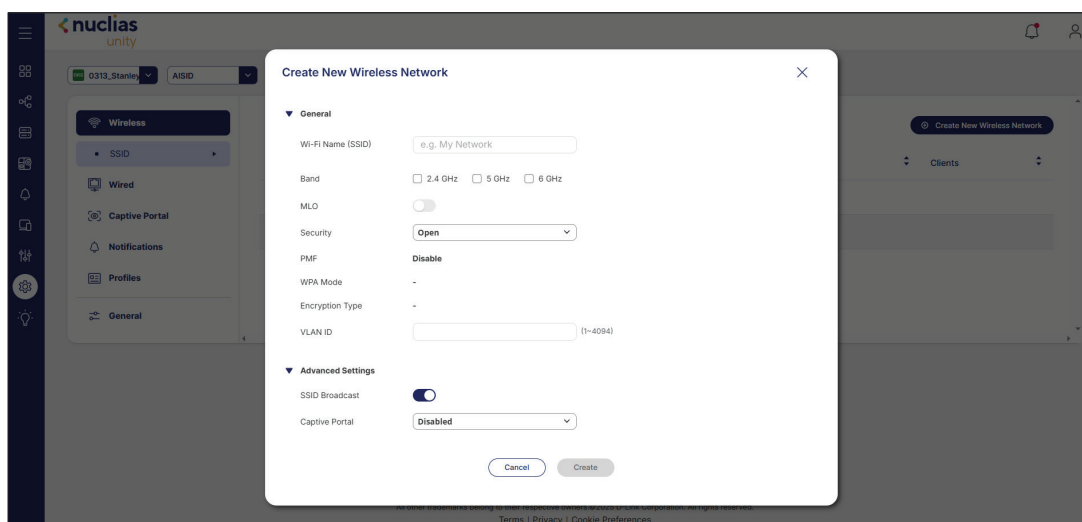
Wireless Settings

At the bottom left, click **Settings**. Then go to **Wireless** and select **SSID** to create a consistent wireless network across all your wireless devices.

Click **Create New Wireless Network** to set up a new Wi-Fi network for your access points. This new wireless configuration will be implemented across all sites.

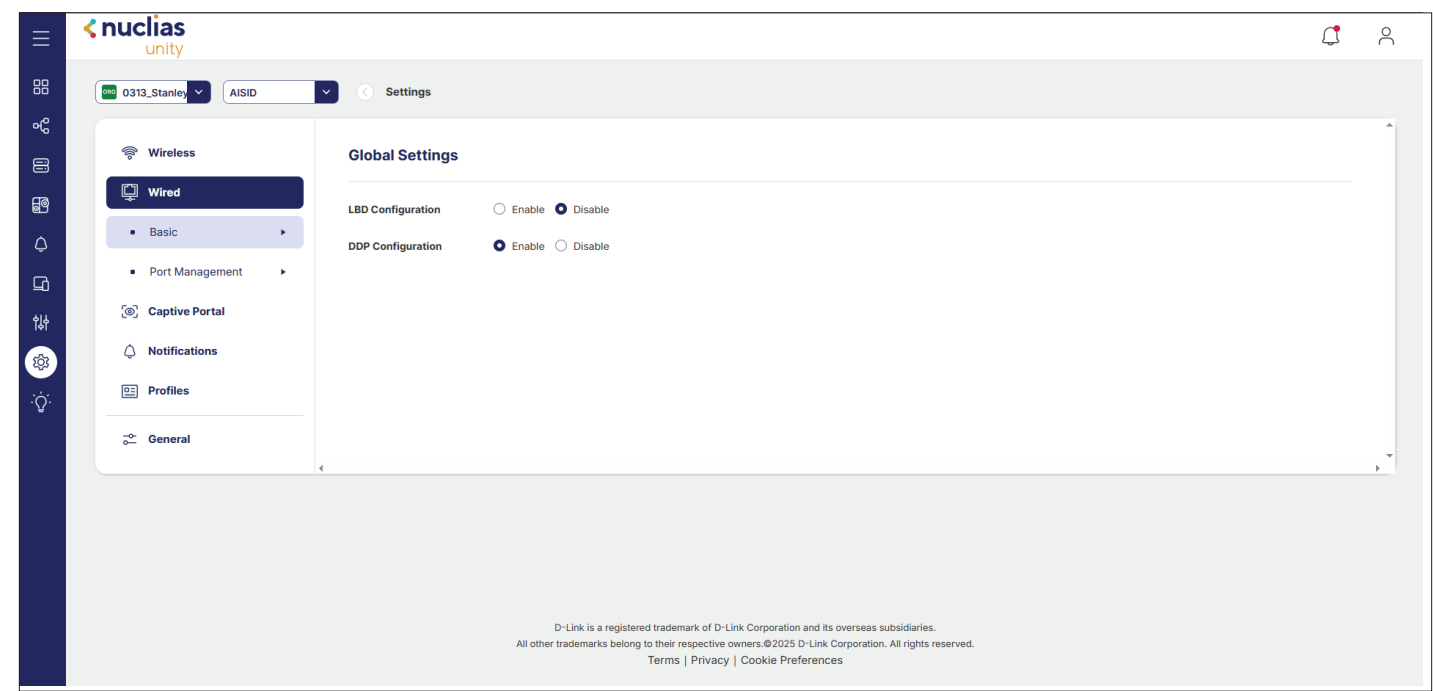


When you click Create New Wireless Network, a dialog box will appear. Fill in the required details such as Wi-Fi Name (SSID), Band, Security settings, and VLAN configuration based on your requirements.

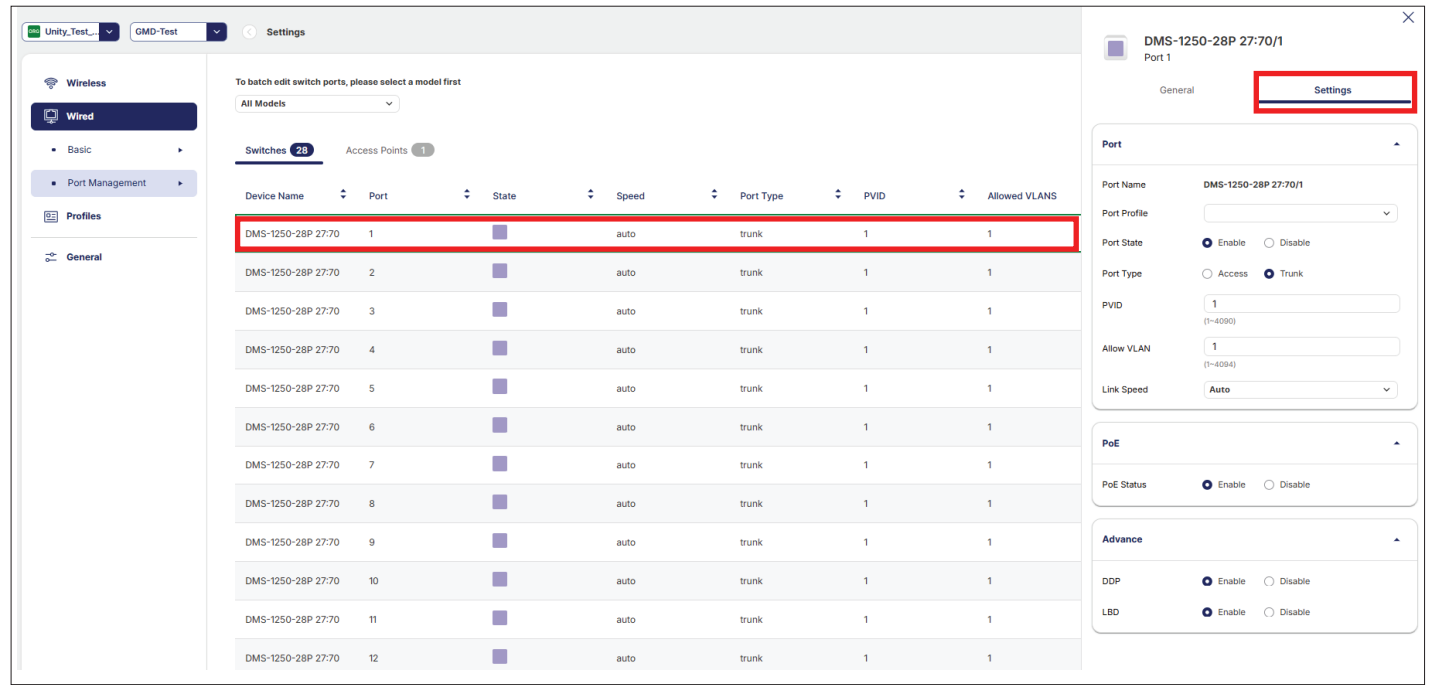


Wired Settings

To configure your wired network, go to **Settings** from the bottom-left menu and select **Wired**. You will see two options: **Basic** and **Port Management**, as shown in the picture below. Under Basic, you can enable or disable features such as **LBD Configuration** and **DDP Configuration**.



Under Port Management, you can view all available ports. Select any port to open its settings, where you can configure options such as Port Status, Port Type, PVID, Allowed VLANs, Link Speed, and PoE Status.



Troubleshooting

Device Configuration

To begin configuring your switches, you need to know the device's default IP address, username, and password.

To Initiate step-by-step Switch Configuration:

1. Basic information required before configuration

- Default Switch IP Address: **10.90.90.90**
- Default Switch username: **admin**
- Default Switch password: **admin**

2. Network requirements for accessing the Web-based GUI

- The PC must be on the same subnet as the switch.
- If the switch has the default IP 10.90.90.90:
 - The PC IP must be: 10.90.90.X
 - Where X: 1–89 or 91–254
 - e.g: 10.90.90.100
- Subnet mask: 255.0.0.0

3. Requirements for Nuclias Unity cloud device discovery

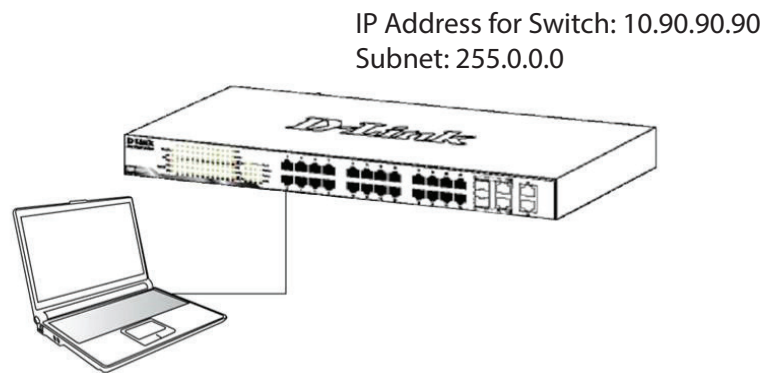
- Enable D-Link Discovery Protocol (DDP)

4. Default IP mode of D-Link switches

- Default mode: Static IP
- To obtain an IP address automatically, enable DHCP

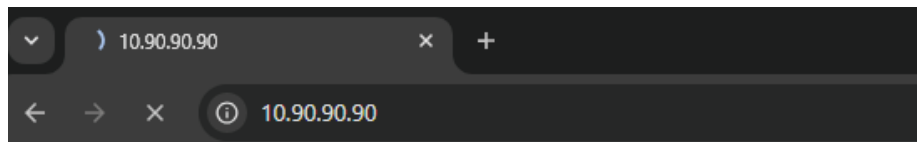
Note: Please reset the device to its default settings if the device default IP address is not 10.90.90.90.

Ensure your PC is connected to the switch using an Ethernet cable, and configure your PC IP address and Subnet as shown in the picture below.



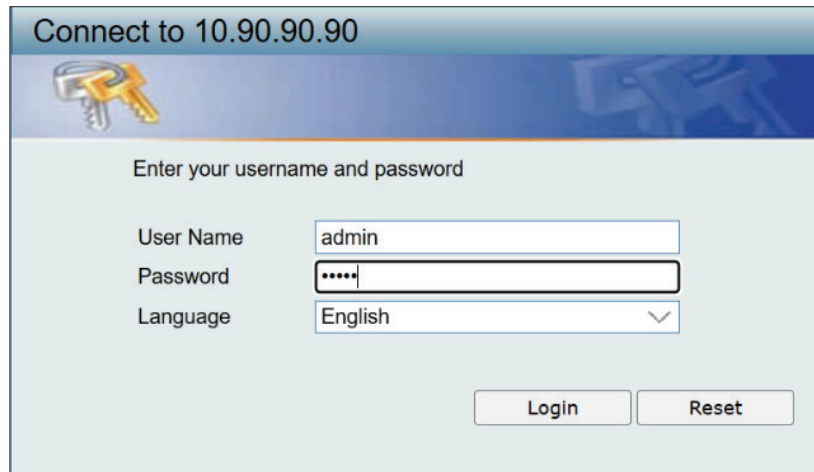
IP Address for your PC: 10.90.90.100
Subnet: 255.0.0.0

Now enter your switch IP address (10.90.90.90) into your web browser, as shown in the picture below.



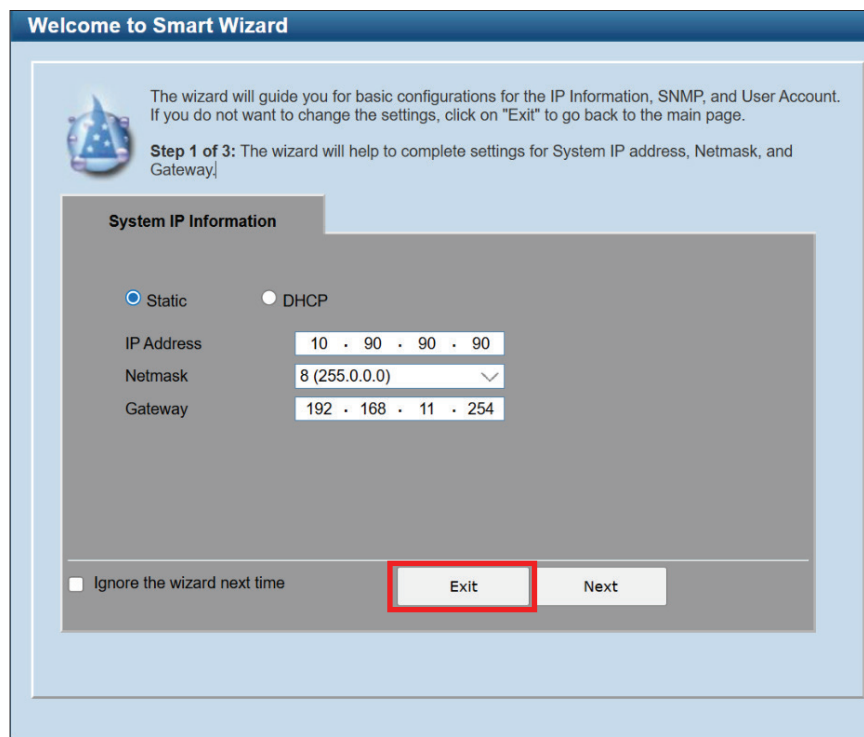
A login dialog box will appear after you enter the switch's IP address in the web browser.

Enter the username "admin" and the password "admin." You may also select your preferred language before proceeding.



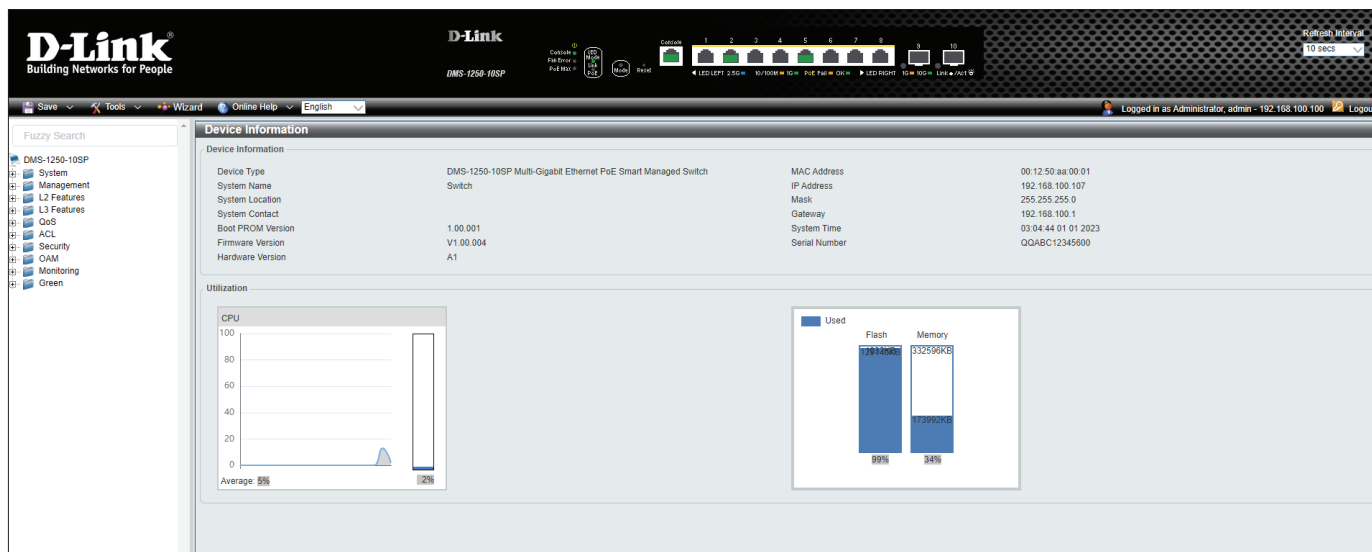
The login dialog box is titled "Connect to 10.90.90.90" and features a key icon. It prompts the user to "Enter your username and password". The form includes three input fields: "User Name" with the value "admin", "Password" with masked characters "*****", and "Language" set to "English" with a dropdown arrow. At the bottom right, there are two buttons: "Login" and "Reset".

After entering your username and password, the Smart Wizard page will appear. **Do not select DHCP mode** at this stage, as it will break the connection between your PC and the switch. Simply click **Exit**, as shown in the picture below, to proceed to the main dashboard for further configuration.

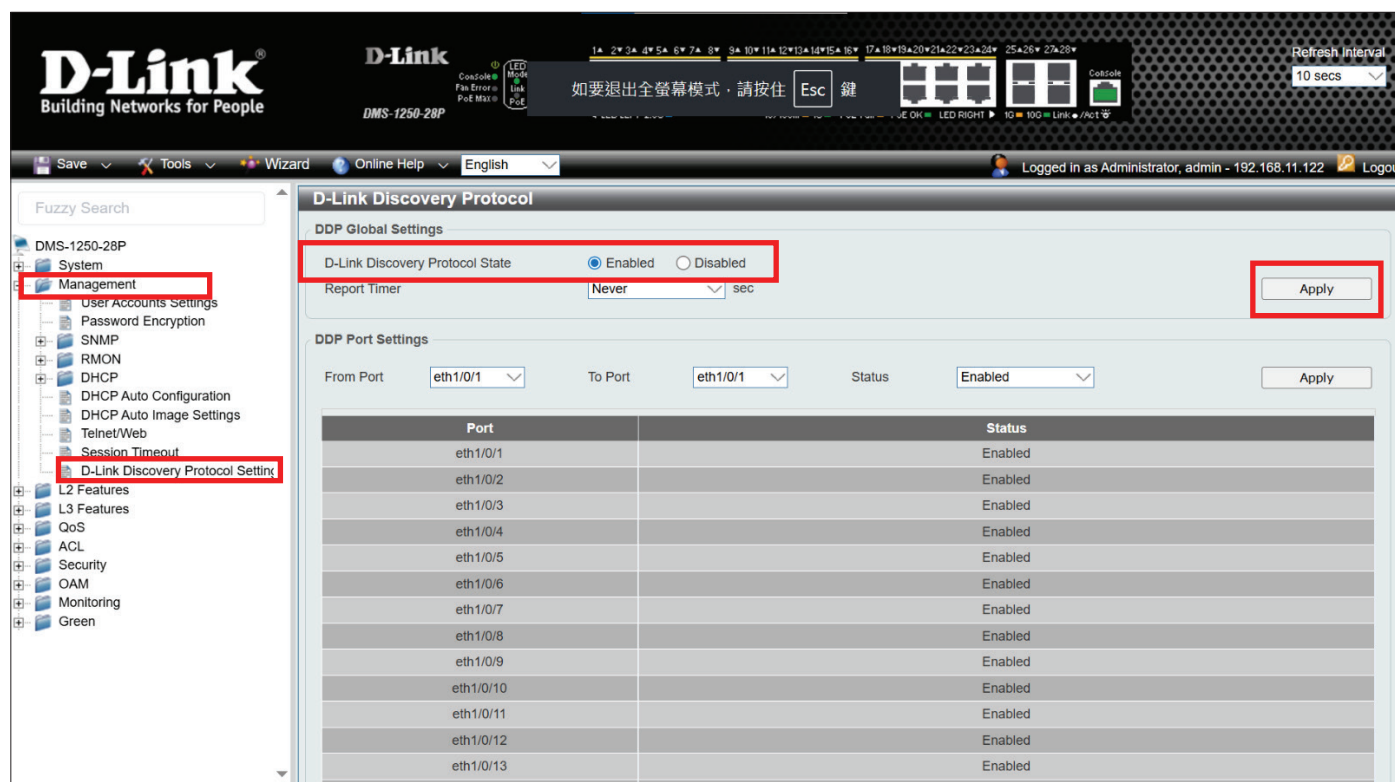


The "Welcome to Smart Wizard" page provides instructions: "The wizard will guide you for basic configurations for the IP Information, SNMP, and User Account. If you do not want to change the settings, click on 'Exit' to go back to the main page." It indicates "Step 1 of 3: The wizard will help to complete settings for System IP address, Netmask, and Gateway." The "System IP Information" section shows two radio buttons: "Static" (selected) and "DHCP". Below these are input fields for "IP Address" (10 . 90 . 90 . 90), "Netmask" (8 (255.0.0.0) with a dropdown), and "Gateway" (192 . 168 . 11 . 254). At the bottom, there is a checkbox for "Ignore the wizard next time", and two buttons: "Exit" (highlighted with a red box) and "Next".

When you click Exit in the Setup Wizard, the switch dashboard will appear as shown below.

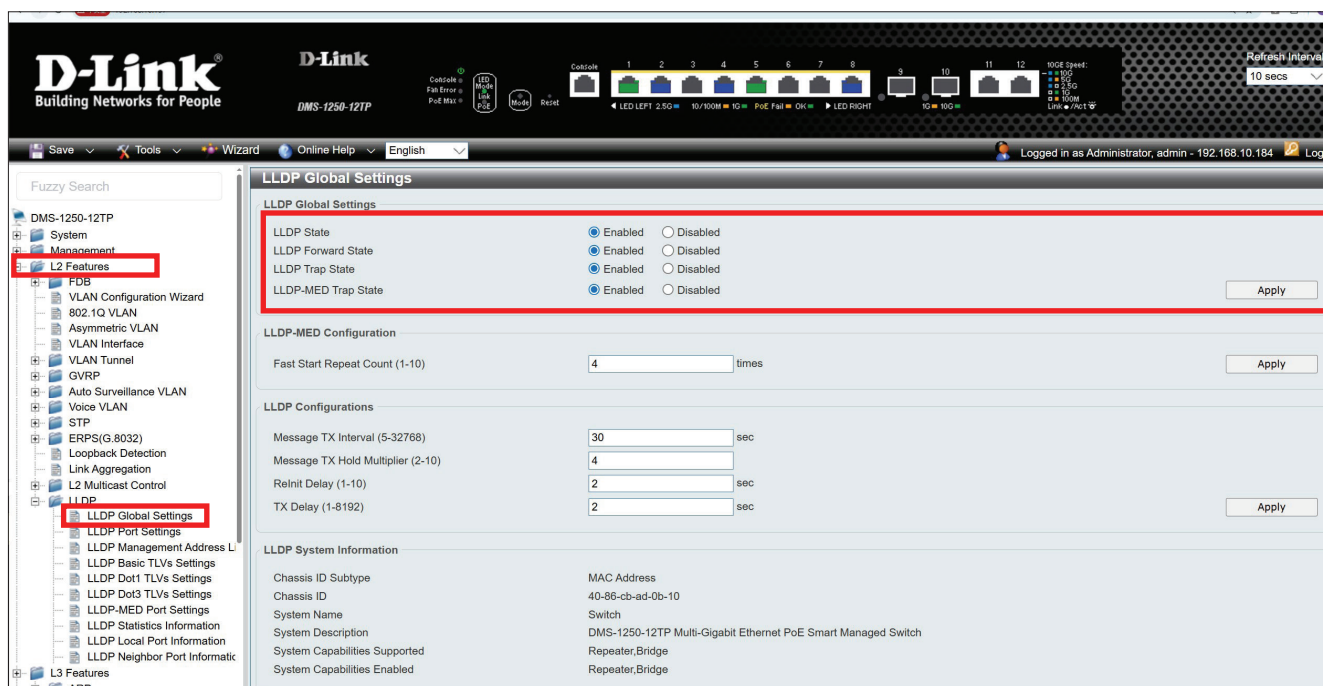


Click **Management** from the drop-down menu on the left side. Then select **DHCP** and choose **D-Link Discovery Protocol Settings**. By default, it is disabled, so enable it and click **Apply** to save the changes.



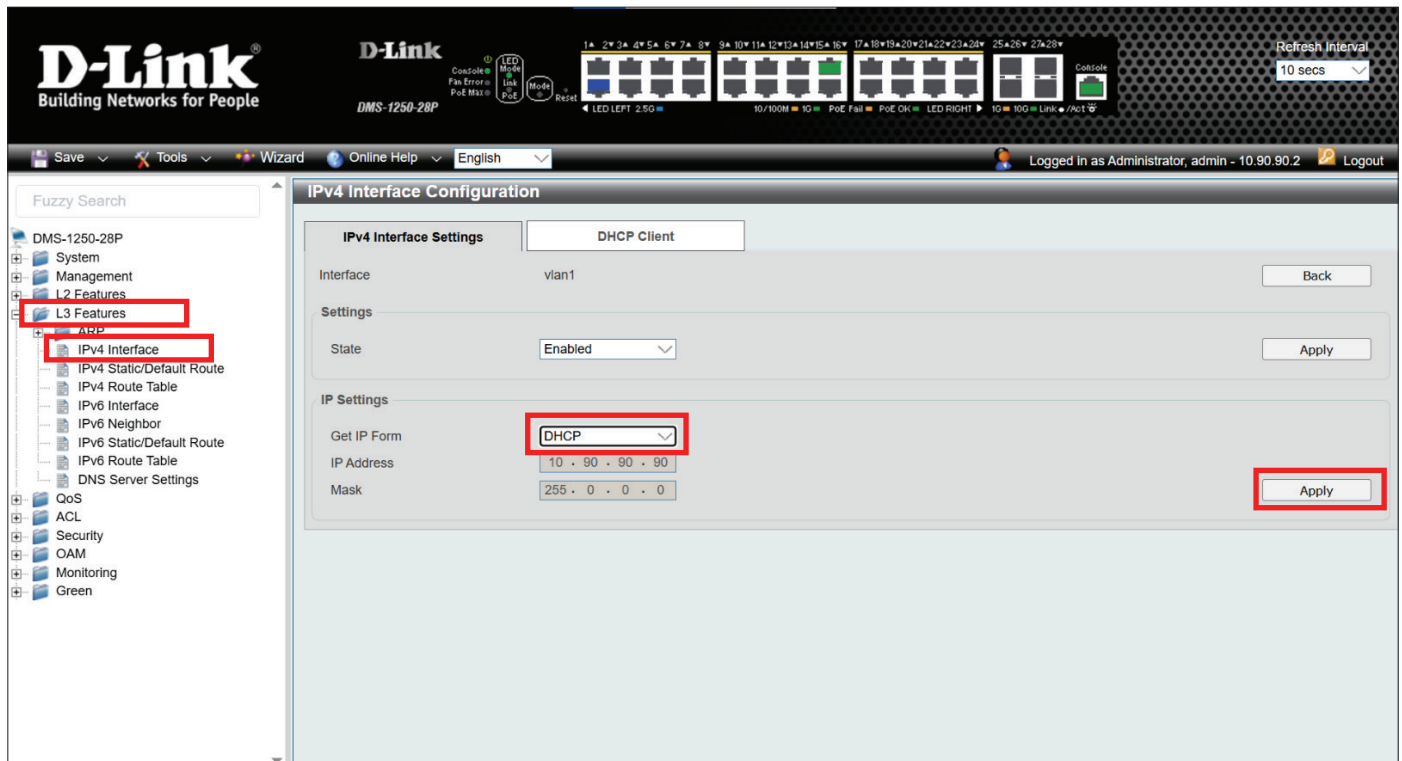
After enabling DDP, you also need to enable LLDP to ensure proper device discovery and communication.

Now, Go to **L2 Features** from the top-left drop-down menu, select **LLDP Global Settings**, and enable LLDP State, LLDP Forward State, LLDP Trap Status, and LLDP-MED Trap State. Then click Apply, as shown in the image below.



After enabling LLDP, you also need to enable DHCP so the switch can obtain an IP address automatically when the switch connected to the internet.

Now, go to **L3 Features** in the drop-down menu at the top-left corner, click **IPv4 Interface**, select **DHCP** under **IP Settings**, and click **Apply**, as shown in the picture below.



At this stage, your PC will be disconnected from the switch, and the switch is now ready to connect to the internet to obtain an IP address automatically.

Before continuing, make sure your setup is connected to the internet. You may use a D-Link router or a USB dongle to provide internet access. Confirm that your PC, switch, access point, and mobile phone are all connected to the same network. This ensures that all devices can communicate properly during configuration.

Now use your web browser on the PC to log in to Nuclias Unity. Ensure the PC is connected to the internet, and verify that your Organization and Site Name are displayed.

Note: By default, DHCP should be enabled on the access point. If it is not enabled, please log in to your access point and enable DHCP.

Next, launch the Nuclias Unity app and ensure your Android or iOS mobile device is connected to the internet.

Below is a simple environment setup featuring a PoE switch and an Access Point, which will be discovered and managed through Nuclias Unity.

The diagram also shows how your existing network connects to the internet.

Ensure that all devices are connected to the same network, as illustrated in the connection diagram below.

