

NUCLIAS CONNECT CONFIGURATION GUIDE

V 1.00

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Overview

Introduction

This guide is intended to describe the necessary steps and procedures required for a successful installation of the Nuclias Connect software and its environment.

The information is divided into four main areas listed as follows:

- Prerequisites
- Environment Configuration
- Nuclias Connect Installation
- Software Verification

By completing each task in the order as described in this manual, you can ensure that the installation of the Nuclias Connect is completed properly in the most efficient way.

Prerequisites

Recommended System Requirements		
Scale Size	Larger Scale	Smaller Scale
Maximum Managed APs	1000 APs	100 APs
Recommended CPU	8th Generation Intel® Core™ i7 Processors	Intel® Core™ i5 Processors, 3.2 GHz
Recommended RAM	16G DDR3	8G DDR3
Recommended Storage	4TB	2TB
Ethernet NIC ¹	Gigabit Ethernet Card	Gigabit Ethernet Card
Monitor Resolution	1080P	1080P
Platform (Windows)	Windows 10 Professional or Server 2016 (64-bit)	Windows 10 Professional (64-bit)
Platform (Linux ²)	Ubuntu CentOS 7	Ubuntu CentOS 7
Browser for Nuclias Connect management	Edge, Chrome, Safari	Edge, Chrome, Safari
Recommended Uplink Bandwidth	20 Mbps for larger scale	10 Mbps for smaller scale

¹ Recommended uplink bandwidth: 20 Mbps for larger scale, 10 Mbps for smaller scale.

² Docker and Docker Compose toolsets are required for the installation in a Linux platform.

Downloading Nuclias Connect Package

Access to the Nuclias Connect packages for Windows and Linux is available at <https://download.nuclias.com>.

Through this access point, you can generate command for installing through the Docker Hub for Linux OS or download the compressed file for both Linux and Windows OS. See [Prerequisites](#) for system requirements and details. The Download Nuclias website will show the following:

The screenshot shows the Nuclias Connect website interface. At the top is the Nuclias Connect logo. Below it, there are three main sections:

- Download Nuclias Connect for Windows:** This section is for Windows 10 / Windows server 2016 (64 bit) and features a "Download file" button.
- Download Nuclias Connect for Linux:** This section lists supported Linux distributions: Ubuntu Cosmic 18.10 / Bionic 18.04 (LTS) / Xenial 16.04 (LTS) and CentOS 7.
- Docker Hub Installation:** This section allows users to generate a specific command for setup. It includes input fields for "Username" and "Password", a "Generate command" button, and a "Copy command" button. The command field contains: `curl -L https://raw.githubusercontent.com/nuclias-connect/connect/dev/install.sh | sudo sh -s username passw ord`.
- Tarball Installation:** This section provides a "Direct URL" field containing `https://gitlab.com/Nuclias/connect/raw/master/packages/Linux/nuclias_connect_1.0.0.tar.gz`, along with "Copy URL" and "Download file" buttons.

Nuclias Connect Download Website

Nuclias Connect for Windows

Go to <https://download.nuclias.com> to download the compressed installation file for Windows OS.

From the menu locate the section labeled **Download Nuclias Connect for Windows**.

Click **Download file** to begin downloading the software package.

Download Nuclias Connect for Windows

Windows10 / Windows server 2016 (64 bit)

Download file

Selecting a Nuclias Connect Windows Package

Save file to a local directory taking note of the location for installation.

Once download is complete, you can begin the installation followed by the steps. See [Installing Nuclias Connect on Windows](#) for details.

Nuclias Connect for Linux

Nuclias Connect is available for Linux and can be installed using either Docker Hub or Tarball. Use the following information to obtain the correct command for either type of installation procedure.

Go to <https://download.nuclias.com> to obtain the command.

From the menu locate the section labeled **Download Nuclias Connect for Linux**.

1. Docker Hub Installation:

A specific command line can be downloaded containing a specified username and password through the Nuclias Connect download website.

From the menu locate the section labeled **Docker Hub Installation**.

In the **Username** and **Password** fields, specify the preferred variables to associate with MongoDB. Click **Generate Command** to get the command line.

Docker Hub Installation

You may enter your preferred MongoDB username and password to generate the specific command for setup.

Username : Password :

Command :

Generate Command for Docker Hub Installation

Locate the Copy command button and click on it. The supplied command line is now copied to the clipboard.

Command :

Generate Command for Docker Hub Installation

The command can now be used during the Linux Docker Hub installation

2. Tarball File Installation:

Nuclias Connect is available for Linux through a compressed tarball file. Use the following information to obtain the Nuclias Connect package.

Go to <https://download.nuclias.com>.

From the menu locate the section labeled **Tarball Installation**.

In the Direct URL field, the latest tarball package is listed.

Click **Copy URL** to copy the link to the clipboard or **Download file** to begin downloading the compressed tarball file.

Tarball Installation

Direct URL :

Downloading the Tarball Package

Save the file to a local directory taking note of the location for installation.

Once download is complete, you can begin the installation.

Installing Nuclias Connect on Windows

Before you begin this procedure, download the latest Nuclias Connect package. See the following for further information.

Windows Installation

Locate the Nuclias Connect package and run the file to start the installation process.

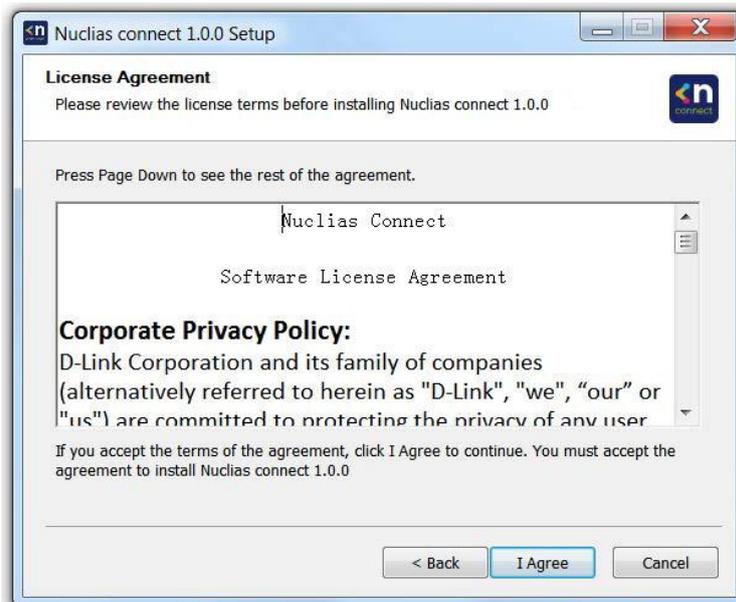
A Welcome window will appear.

Click the **Next >** button to continue to the next step. Click the **Cancel** button to stop and exit the installation.



Install Nuclias Connect (Setup Wizard)

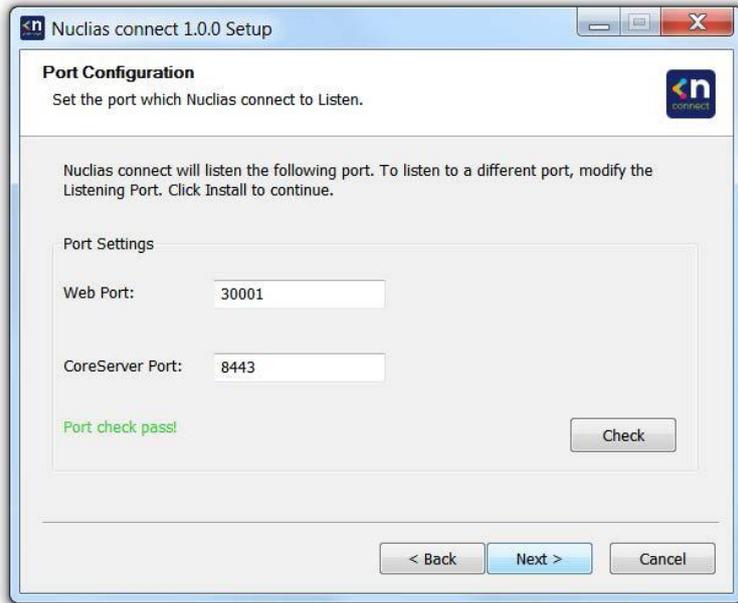
The License Agreement window will display. Before installing review the license terms. Once accepted, click the **I Agree** button to continue.



Install Nuclias Connect (License Agreement)

In this window, enter the **Web Port** (default: 30001) and **CoreServer Port** (default: 8443) settings as required. These ports are used for multiple access point connections and must be specified in this window. Use the default settings if the ports are accessible.

Click the **< Back** button to return to the previous step. Click the **Next >** button to continue to the next step. Click the **Cancel** button to stop and exit the installation.

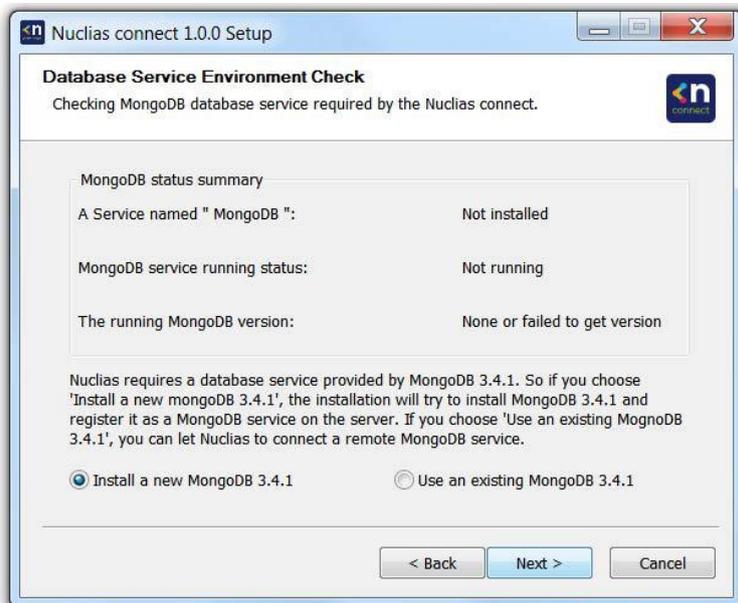


Install Nuclias Connect (Port Configuration)

The **Database Service Environment Check** window will be seen. At this stage, the setup performs a systems check for the required MongoDB database services. A report is visible in the MongoDB status summary field displaying the installed, if any, MongoDB version and status.

Nuclias Connect requires a database service to function properly. Support for existing MongoDB on the server or remotely is available by selecting the related radio button, see the following image. By selecting a new install instance, mongoDB is registered as a service on the server.

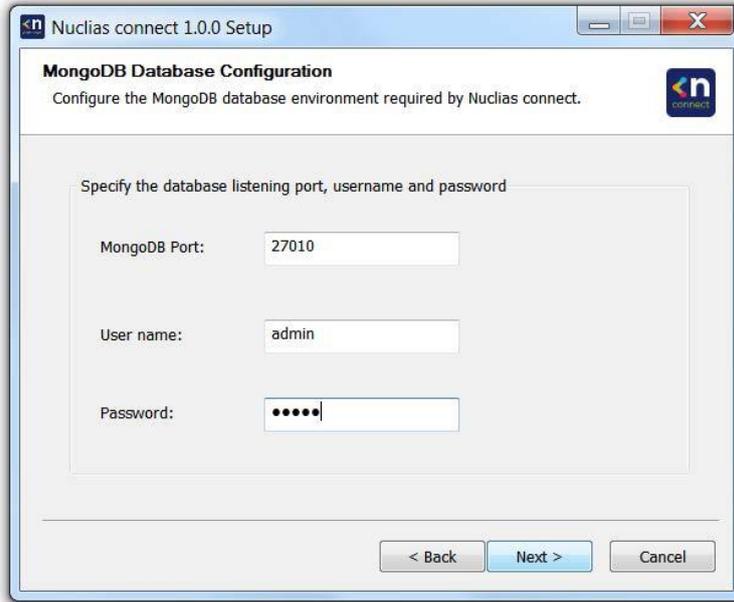
Click the **< Back** button to return to the previous step. Click the **Next >** button to continue to the next step. Click the **Cancel** button to stop and exit the installation.



Validating MongoDB Service Environment

The **MongoDB Database Configuration** window appears next. In this window, specify the MongoDB listening port (default: 27010), the user name and password for the **Postgres** database associated with this application.

Click the **< Back** button to return to the previous step. Click the **Next >** button to continue to the next step. Click the **Cancel** button to stop and exit the installation.

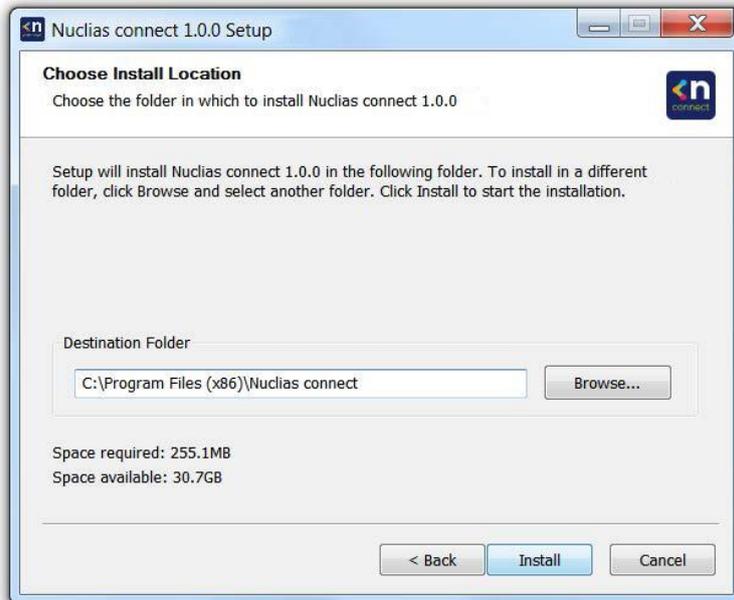


Install MongoDB Database Configuration

The firewall on the computer may block the Apache HTTP Server application. If the server uses Windows Firewall, a security alert message will appear. Click the **Allow Access** button to allow this application to communicate with the network.

The **Choose Destination Location** window appears next. To install Nuclias in a different folder or on a different drive, click the **Browse...** button and specify a target folder.

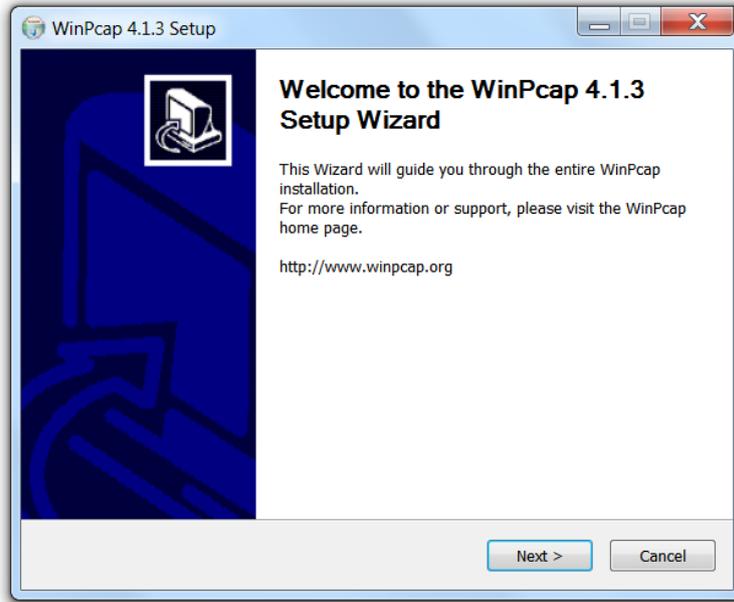
Click the **< Back** button to return to the previous step. Click the **Next >** button to continue to the next step. Click the **Cancel** button to stop and exit the installation.



Install Location

The **WinPcap Setup Wizard** window appears next. The WinPcap installation allows link-layer network access in Windows environments, allowing applications to capture and transmit network packets bypassing the protocol stack. This includes kernel-level packet filtering, a network statistics engine and support for remote packet capture.

Click the **Next >** button to initiate the Setup Wizard. Click the **Cancel** button to stop and exit the installation.



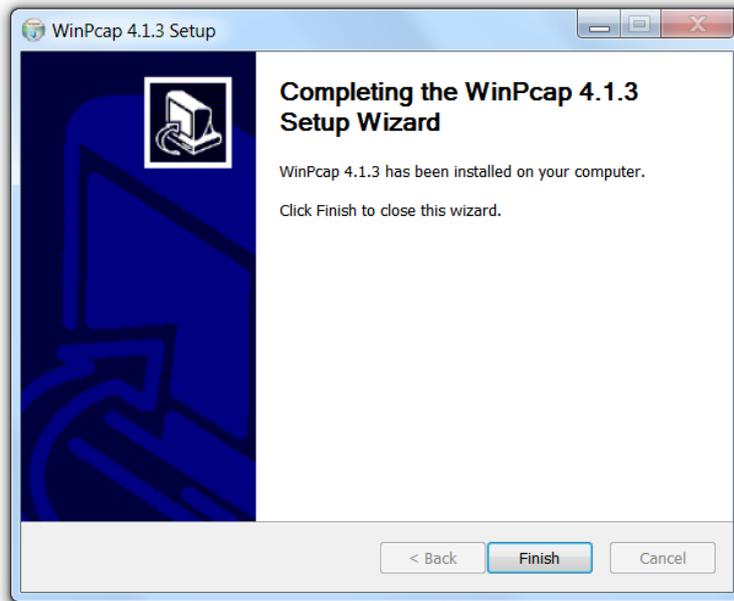
Install WinPcap

The **License Agreement** window appears next. Review the license terms before installing WinPcap. Once the agreement has been accepted, click **I Agree** to continue. Click the **< Back** button to return to the previous step. Click the **Cancel** button to stop and exit the installation.



WinPcap License Agreement

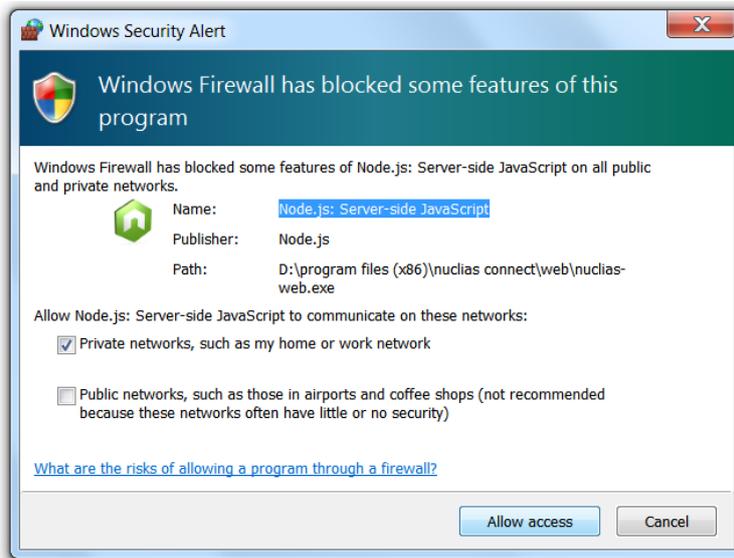
The **Completing ... Setup Wizard** window will be displayed. Click the **Finish** button to complete and exit the installation wizard.



Complete WinPcap Setup Wizard

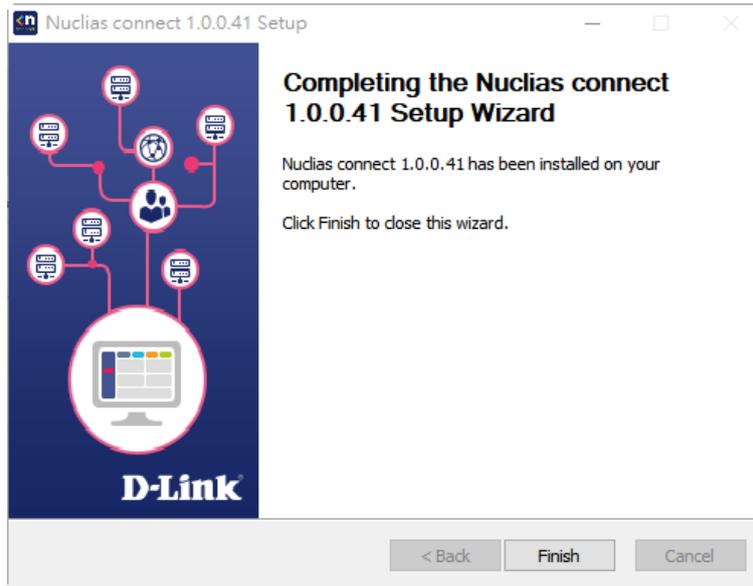
Once the WinPcap tool has been installed, the Nuclias Connect setup wizard will continue with the installation.

A Windows Security Alert window may display a warning that certain features are blocked from installing, such as the *Server-side JavaScript*. If the pop-up window appears, select the network setting—in the following figure **Private networks, such...network** was selected—best suited to access the firewall and click **Allow access**. Otherwise click **Cancel** to stop the installation process. See the following figure for further information.



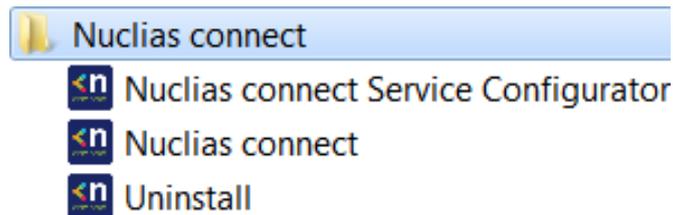
Windows Security Alert

The Completing the D-Link Nuclias Connect Setup window will be shown. Click the **Finish** button to complete and exit the installation wizard.



Complete Nuclias Connect Setup Wizard

After the installation, the **Nuclias connect Service Configurator**, **Nuclias connect**, and **Uninstall** shortcuts appear in the programs list as follows.



Nuclias Connect Windows Program List

Run the Nuclias Connect Server

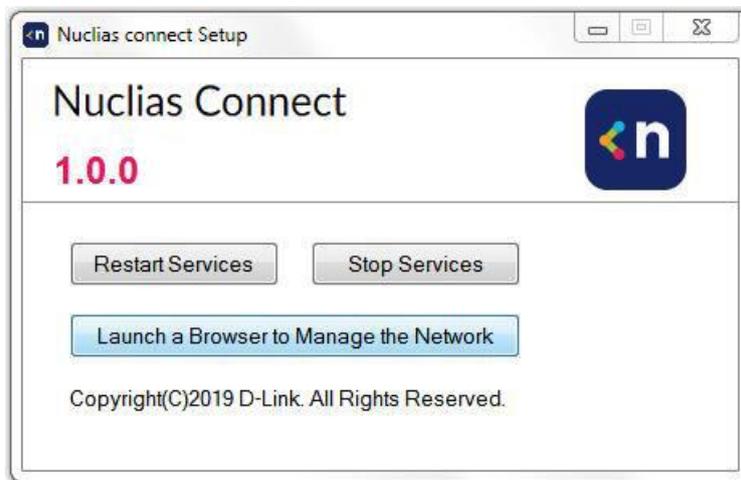
This section describes how to run the Nuclias Connect Server application. After the installation is complete, the following applications will appear on the Programs listing.

Note: The following instructions were written under the Windows 7 operating system, screenshots and wording may vary depending on your operating system.

From the desktop, navigate to **Start > All Programs > Nuclias connect** and click  to open the Nuclias Connect setup. The Configuration window will display as follows.

The **Menu** contains the **Start/Stop Services** and **Launch** access buttons. Before you can manage Nuclias Connect, its **Services** must first be enabled. Use the **Restart Services** button to enable Nuclias Connect server or **Stop** to disable the server services.

The Nuclias Connect configuration interface is accessible through a browser. Click **Launch a Browser to Manage the Network** to open your system's default browser.

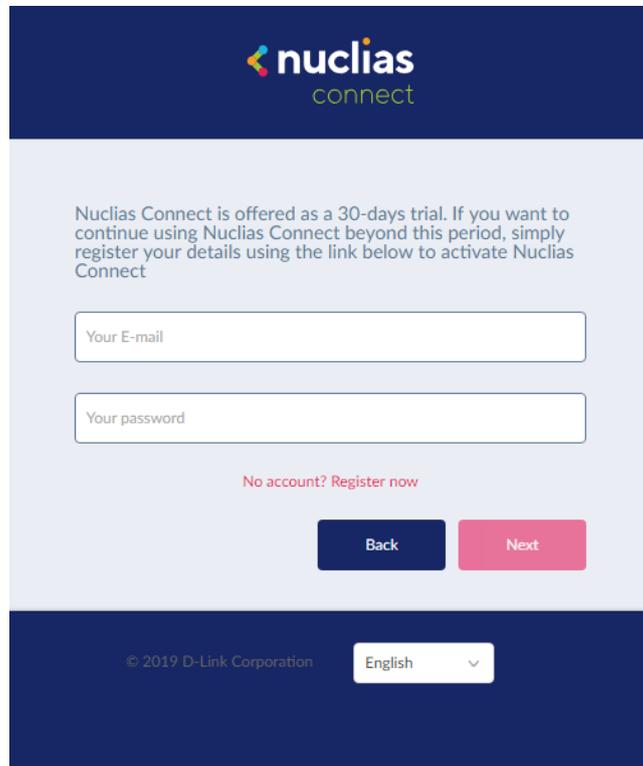


Nuclias Configuration Setup

Logging in for the first time

Nuclias Connect Online Registration

Nuclias Connect provides a 30-days free trial. After the trial has expired you may continue using Nuclias Connect by registering a Nuclias account at register.nuclias.com or redirected from the Settings window in Nuclias Connect. The Nuclias account can also be used to login to D-Link's Nuclias Cloud Platform if you have Cloud-managed devices. If you do not have a registered account, click on **No Account? Register now** to create valid set of credentials.



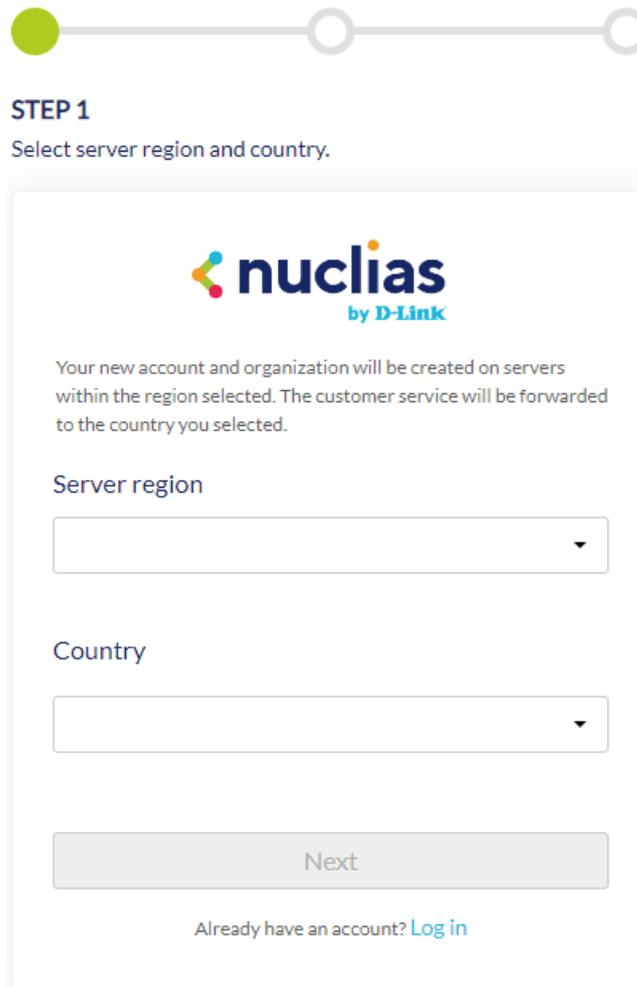
The image shows a registration form for Nuclias Connect. At the top, there is a dark blue header with the Nuclias Connect logo. Below the header, the text reads: "Nuclias Connect is offered as a 30-days trial. If you want to continue using Nuclias Connect beyond this period, simply register your details using the link below to activate Nuclias Connect". There are two input fields: "Your E-mail" and "Your password". Below the input fields, there is a red link that says "No account? Register now". At the bottom of the form, there are two buttons: "Back" (dark blue) and "Next" (pink). The footer of the form contains the copyright notice "© 2019 D-Link Corporation" and a language dropdown menu set to "English".

Login with Registered Credentials

Once the registration process has been initialized, a new browser window will be opened. You will see the server registration page. There are three steps in the registration process. The first step is as follows.

Step 1: Select the server region and country.

The account will be created on the servers within the selected region and the selected country. Your account data will be stored in the regional server based on your selected region and country.



STEP 1
Select server region and country.



Your new account and organization will be created on servers within the region selected. The customer service will be forwarded to the country you selected.

Server region

Country

Next

Already have an account? [Log in](#)

Registration Step 1

Note: If you already have an account, you may use this account to login without creating a new account.

Once the region and country have been entered, you will see the user, organization and site page. Enter the required information and agree to the Terms of Use and Privacy agreement to enable the account creation button.

Click **Create Account** to continue.



STEP 2

Create your user, organization and site.



 I have read and agree to the [Terms of use](#) and [Privacy](#)

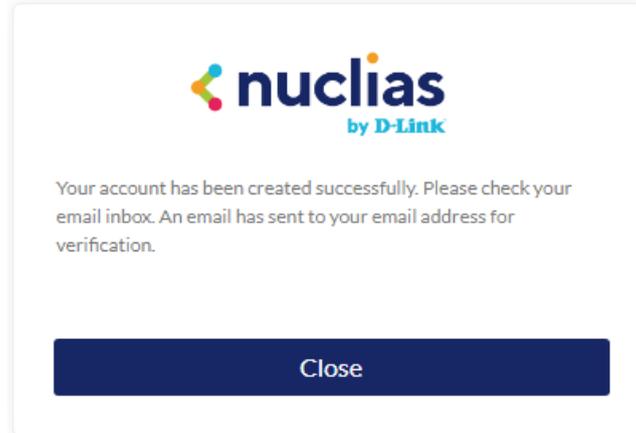
Registration Step 2

If the registration was a success, you will see the Finish page. Click **Close** to complete the process. The registered account is now available for use. The verification information will be delivered to the registered email of the account.



STEP 3

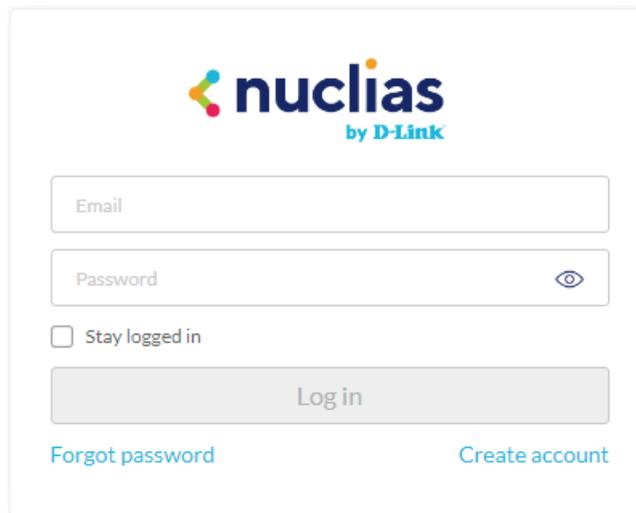
Finish



Registration Step 3

Your Nuclias account must be validated before use. You will receive an email from verify@nuclias.com with a verification link included. Please click on the verification link to activate your Nuclias account.

You will be redirected to the Login page. If you do not have any Nuclias Cloud-enabled devices you may skip this login step.



Nuclias Cloud Login

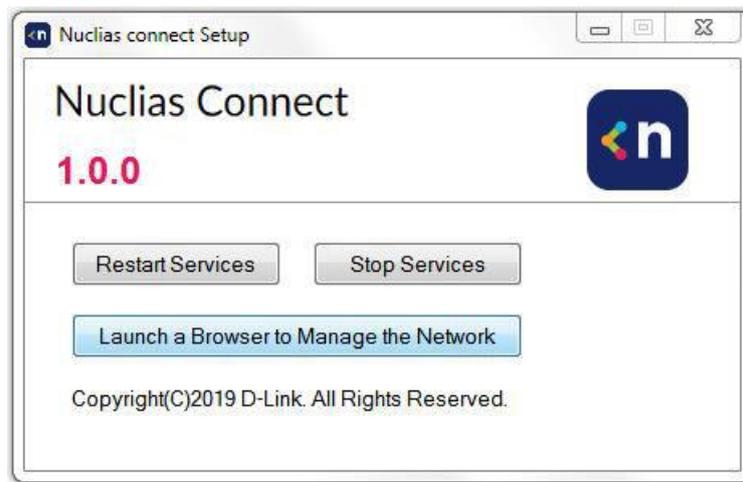
Launch Nuclias Connect

Nuclias Connect features multiple login options ranging from using the Nuclias Connect installed software on a local computer to a browser on a remote computer (Edge or Chrome is recommended). Open a browser and enter the **IP address** or **Domain Name** of the host computer running the Nuclias Connect server (for example, **https://192.168.10.1:30001** or **https://domain-name.com**).

On the locally installed software, use the *Nuclias Service Configurator* or the *Nuclias connect* shortcuts to open the interface in a browser.

From the desktop, navigate to **Start > All Programs > Nuclias connect** and click  Nuclias connect Service Configurator to open the Nuclias connect Setup window.

From the Nuclias Connect window, click **Launch a Browser to Manage the Network**. The default browser will show the Nuclias Connect interface.



Nuclias Connect Setup

Alternatively, the interface is accessible through the following:

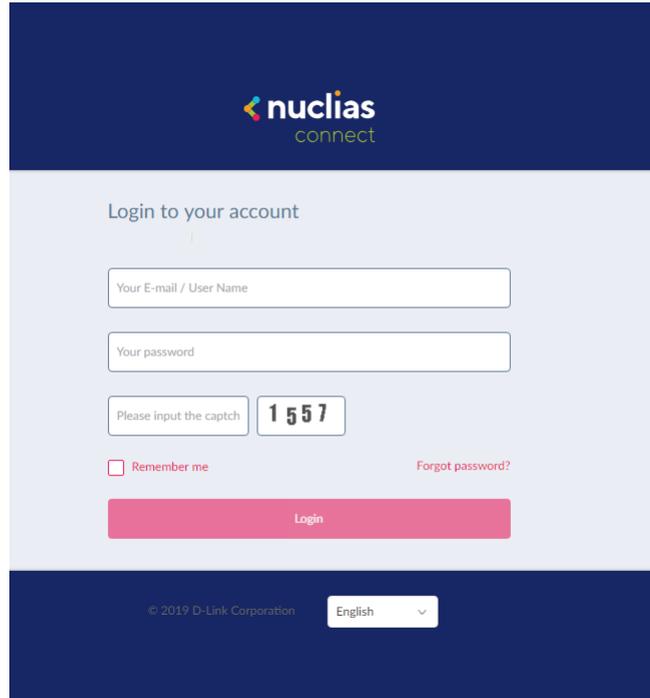
From the desktop, navigate to **Start > All Programs > Nuclias connect** and click to  Nuclias connect open the default Web browser.



Software Nuclias Connect Login

Enter the modified username and password in the respective fields.

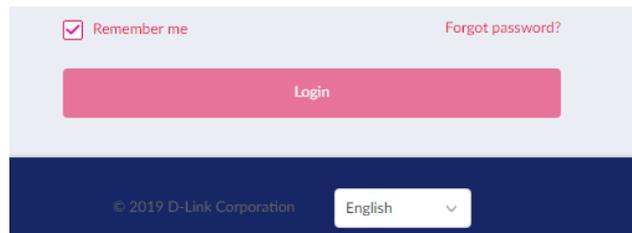
Enter the Captcha code as shown on the screen.

The image shows the Nuclias Connect login interface. At the top, there is a dark blue header with the 'nuclias connect' logo. Below the header, the text 'Login to your account' is displayed. The form contains three input fields: 'Your E-mail / User Name', 'Your password', and a captcha field with the text 'Please input the captch' and a box containing the code '1 5 5 7'. There are two checkboxes: 'Remember me' (unchecked) and 'Forgot password?'. A pink 'Login' button is positioned below the input fields. At the bottom of the form, there is a dark blue footer containing the copyright notice '© 2019 D-Link Corporation' and a language selection dropdown menu currently set to 'English'.

Nuclias Connect Login

Note:

- The Remember me function can be selected to save the password entry for future use.
- The Forgot password? function provides an option to reset your password in the event that you've forgotten the current password.
- The interface supports Multilanguage options. By clicking on the language drop-down menu, a different language can be selected.

This image is a close-up of the bottom portion of the login form. It shows the 'Remember me' checkbox, which is now checked, and the 'Forgot password?' link. Below these is the pink 'Login' button. At the bottom, the footer area is visible, showing '© 2019 D-Link Corporation' and the 'English' language dropdown menu.

Language and Password Options

After the web browser opens and connects successfully to the server, a change-password dialog will be shown. Changing the default password is required after the first login.

When assigning a password, it is recommended to use a strong password. The new password is required to be 5 - 16 characters in length. By combining uppercase and lowercase characters, numbers and symbols a strong password can be created.

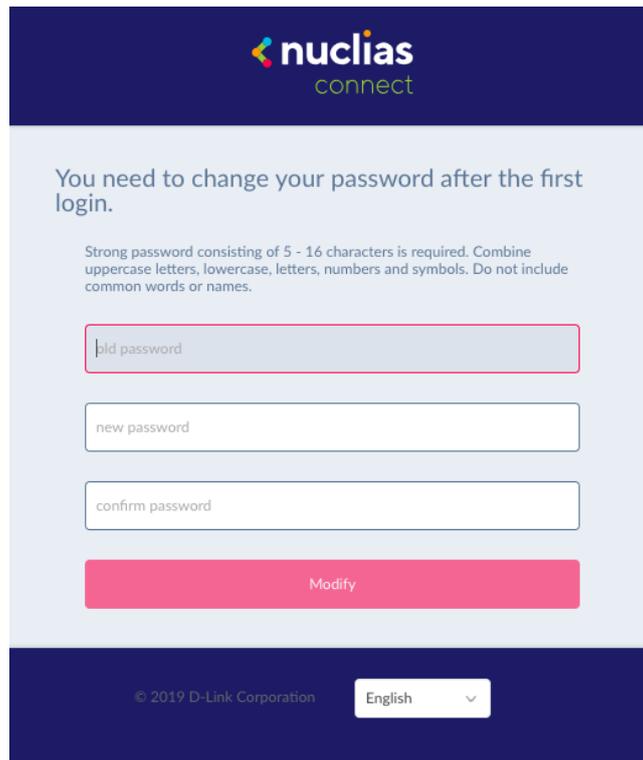
Note: Do not include common words or names.

Enter the previous password in the **Old Password** field.

In the **New Password** field enter the new password.

Enter the same password in the **Confirm Password** field to verify the entry.

Click **Modify** to complete the process.



Change Password Screen

Upon logging in, you will see the System Settings page. In the event that the device access address or port have been changed, the Nuclias Connect Core server must be restarted. Complete the following settings page before continuing.

Installing Nuclias Connect in Linux

There are two ways to install Nuclias Connect on Linux

1. Docker Hub
2. Tarball – See page [23](#)

Docker Hub Installation

Preparing the Software Environment

Before installing Nuclias Connect, we must first set up the environment. Please follow the guide for installing Nuclias Connect with Docker Hub, in order, before continuing on to the next item in the list.

- Install Docker
- Install Docker Compose
- Install Nuclias Connect via the terminal

Install Docker

Docker is available in two editions: Community Edition (CE) and Enterprise Edition (EE). For this section, Docker CE is used in the writing of this manual. For more information about Docker EE, see Docker Enterprise Edition.

To install Docker, you will need a 64-bit OS and a kernel at 3.10 or newer. Kernels older than 3.10 do not have the necessary features required to run containers; data loss and kernel panics occur frequently under certain conditions.

Check your current Linux version by using the `uname -r` command.

Prerequisites

To install Docker CE here, you need the 64-bit version of one of these Ubuntu versions, or CentOS 7:

- Cosmic 18.10
- Bionic 18.04 (LTS)
- Xenial 16.04 (LTS)
- User name with sudo privileges

Docker CE is supported on x86_64 (or amd64), armhf, arm64, s390x (IBM Z), and ppc64le (IBM Power) architectures.

Uninstalling Previous Versions of Docker

It is recommended to uninstall any previous versions of the Docker software before proceeding. Use the following command to uninstall.

```
$ sudo apt-get remove docker docker-engine docker.io docker-ce
```

Once the previous version is removed, the latest version of the Docker software can be installed.

Installing Docker

Installing Docker is performed through the terminal window by using the following command:

```
$ sudo apt-get install docker.io
```

Once the command is initiated, the following results are displayed.

```
[sudo] password for dlink:
Reading package lists... Done
Building dependency tree
```

```
Reading state information... Done
The following additional packages will be installed:
  bridge-utils cgroupfs-mount containerd docker.io pigz runc Ubuntu-fan
0 upgraded, 7 newly installed, 0 to remove and 63 not upgraded.
Need to get 0 B/52.2 MB of archives.
After this operation, 257 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

To finalize the installation, Enter **Y**.

```
Do you want to continue? [Y/n] Y
```

The following results are displayed.

```
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 175976 files and directories currently installed.)
Preparing to unpack .../0-pigz_2.4-1_amd64.deb ...
Unpacking pigz (2.4-1) ...
Selecting previously unselected package bridge-utils.
Preparing to unpack .../1-bridge-utils_1.6-2ubuntu1_amd64.deb ...
Unpacking bridge-utils (1.6-2ubuntu1) ...
Selecting previously unselected package cgroupfs-mount.
Preparing to unpack .../2-cgroupfs-mount_1.4_all.deb ...
Unpacking cgroupfs-mount (1.4) ...
Selecting previously unselected package runc.
Preparing to unpack .../3-runc_1.0.0~rc7+git20190403.029124da-0ubuntu1_adm64.deb ...
Unpacking runc (1.0.0~rc7+git20190403.029124da-0ubuntu1) ...
Selecting previously unselected package containerd.
Preparing to unpack .../4-containerd_1.2.6-0ubuntu1_amd64.deb ...
Unpacking containerd (1.2.6-0ubuntu1) ...
Selecting
Preparing to unpack .../5-docker.io_18.09.5-0ubuntu1_amd64.deb ...
Unpacking docker.io (18.09.5-0ubuntu1) ...
Selecting previously unselected package Ubuntu-fan.
Preparing to unpack .../6-ubuntu-fan_0.12.12_all.deb ...
Unpacking Ubuntu-fan (0.12.12) ...
Setting up runc (1.0.0~rc7+git20190403.029124da-0ubuntu1) ...
Setting up pigz (2.4-1) ...
Setting up cgroupfs-mount (1.4) ...
Setting up containerd (1.2.6-0ubuntu1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service/lib/systemd/system/
/conatinerd.service.
Setting up Ubuntu-fan (0.12.12) ...
Created symlink /etc/systemd/system/multi-user.target.wants/Ubuntu-fan.service/lib/systemd/system
```

```
/Ubuntu-fan.service.  
Setting up docker.io (18.09.4-0ubuntu1) ...  
Adding group 'docker' (GID 130)  
Done.  
Created Symlink /etc/system/system/sockets.target.wants/docker.socket →  
/lib/system/system/docker.socket.  
Processing triggers for systemd (240-6ubuntu5) ...  
Processing triggers for man-db (2.8.5-2) ...
```

After installing Docker, you need to configure Docker to start at boot so when the server is rebooted, Docker service will start automatically.

```
$ sudo systemctl enable docker  
$ sudo systemctl start docker
```

Install Docker Compose

Compose is available for the Windows or 64-bit Linux operating systems.

Prerequisites

Docker Engine must be installed prior to the installation of Compose.

- On Windows systems, Docker Compose is included in the desktop installation.
- On Linux systems, the Docker software for your specific OS must first be installed. Once installed, continue with the Compose installation process.

Installing Compose on Linux

On Linux, the Docker Compose binary can be downloaded from the Compose repository release page found on GitHub. See the following instructions.

Check the latest Docker Compose from Github at <https://github.com/docker/compose/releases>.

```
$ sudo curl -L https://github.com/docker/compose/releases/download/1.23.1/docker-compose-`uname  
-s`-`uname -m` -o /usr/local/bin/docker-compose
```

Note: To install a different version of Compose, substitute the variable 1.23.1 with the preferred version of Compose.

Installing Nuclias Connect

To generate the command for setting up Nuclias Connect through Docker Hub, go to <https://download.nuclias.com>, (see [Nuclias Connect for Linux](#) for more information). Below you can see an example of the command.

```
$ sudo curl -L https://raw.githubusercontent.com/nuclias-connect/connect/dev/install.sh | sudo sh  
-s [mongo-username] [mongo-password]
```

Apply executable permissions to the aforementioned binary. See the following command:

```
$ sudo chmod +x /usr/local/bin/docker-compose
```

Once the installation is complete, verify it by testing the version. See the following command to verify the version of the Compose binary.

```
$ sudo docker-compose --version  
docker-compose version 1.23.1, build b02f1306
```

This completes the Docker Hub installation of Nuclias Connect.

Tarball Installation

Visit: <https://download.nuclias.com> to download the Nuclias connect tarball package. The file is named: `nuclias_connect_1.0.0.tar.gz`

Once the package is downloaded, make a note of its location for later use. In this example, the `tar` package (`nuclias-connect.tar.gz`) is downloaded in an archived form (GZ) to the desktop.

To extract the Nuclias Connect package:

From the desktop, press **Ctrl + Alt + T** to launch a terminal window.

From the terminal window, navigate to the location of the downloaded `tar` package. For this example, the package is located on the desktop.

Enter the following command to change directories.

```
$ cd Desktop
```

Once in the correct directory, use the `ls` command to view a list of available files in the directory.

To extract the package, type in the following command and the respective password for the user.

```
~/Desktop$sudo tar xvzf nuclias-connect.tar.gz
```

That command will extract the contents of the package. The following results will appear:

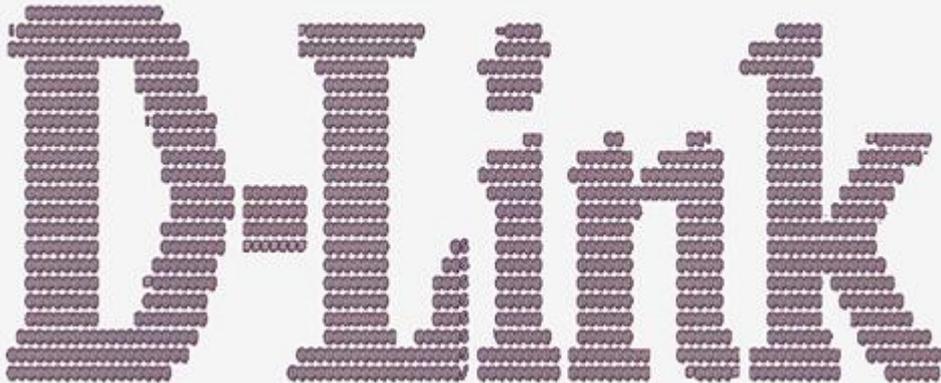
```
Nuclias_connect/  
Nuclias_connect/docker-compose.yml  
Nuclias_connect/config/  
Nuclias_connect/config/key/  
Nuclias_connect/config/key/ca-cert.pem  
Nuclias_connect/config/key/openssl.cnf  
Nuclias_connect/appconfig.json  
Nuclias_connect/images  
Nuclias_connect/images/mongo.tar  
Nuclias_connect/images/core.tar  
Nuclias_connect/images/web.tar  
Nuclias_connect/entrypoint-initdb.sh
```

The Nuclias Connect package is now extracted and ready for access.

Navigate to the directory containing the *init.sh* shell file and type in the following command to initialize the Nuclias Connect package.

```
$ cd Desktop
~/Desktop$ cd nuclias_connect
~/Desktop/nuclias_connect$ sudo ./init.sh
```

The binary is executed and the following results will appear:



```
##### Welcome to Nuclias Connect #####
```

```
--
--
--
```

```
-e (1/11)---- check your system type ----
```

```
SYSTEM : Linux Ubuntu
```

```
-e check system finished
```

```
-e (2/11)---- check docker ----
```

```
Docker version 18.09.6, build 481bc77
```

```
-e docker installed
```

```
-e (3/11)---- check docker-compose ----
```

```
docker-compose version 1.23.1, build b02f1306
```

```
-e docker-compose installed
```

```
-e (4/11)---- check docker status ----
```

```
message: 2
```

```
-e docker service is running
```

```
-e (5/11)---- check core image ----
```

```
message: 2
```

```
-e core image is existed
```

```
-e (6/11)---- check web image ----
```

```
message: 2
```

```
-e web image is existed
```

```
-e (7/11)---- check mongo image ----
```

```

message: 2
-e mongo image is existed
-e (8/11)---- check web_port ----
message: 0
-e web_port is free
-e (9/11)---- check core_port ----
message: 0
-e core_port is free
-e (11/11)---- check file and directory ----
-e check file finished
-e all check_job finished
-e Now initial set the database administrator account for Nuclias Connect, please confirm is the
first time set administrator account? [y/n]

```

As the initialization of the Nuclias Connect software takes place, a prompt will display requesting to setup the database administrator account. If this is the first time using the database, you need to set a database administrator for the account.

Setup Database Profile

For first time users, you must first set the database administrator. The following command describes the process.

In the Nuclias Connect initialization stage, the following prompt appears next.

```

-e Now initial set the database administrator account for Nuclias Connect, please confirm is the
first time set administrator account? [y/n]

```

Enter Y (Yes) to set the administrator account and password.

At the prompt, enter the administrator user name and the related password. In the following example the variable `admin` is used for both instances.

```

User Name: admin
Password: admin
Confirm Password: admin
Creating volume "nuclias_connect_MONGO-DATA" with default driver
Creating mongo ... done
Creating nuclias_connect_core ... done
Creating nuclias_connect_web ... done
-e Nuclias services are running ...
-- commands list -----
|                               |
-e | start: docker-compose up -d |
-e | stop:: docker-compose down  |
|                               |
-----
:~/Desktop/nuclias_connect$

```

With the Mongo DB, core, and web containers setup complete, the Nuclias Connect can be launched using a web

browser. See the following information to log into the interface through a browser.

To connect to the Nuclias Connect, use the following informaton:

From the desktop, press **Ctrl + Alt + T** to launch a terminal window.

In the console, navigate to the directory containing the nuclias connect package. In the following example, the folder `nuclias_connect` is used to describe the location of the software.

```
$ cd Desktop
~/Desktop$ cd nuclias_connect
```

Enter the following command to obtain the defined IP address of the Nuclias Connect instance.

```
~/Desktop/nuclias_connect$ ip addr
```

The results will appear as follows. The IP address for use in a web browser is found below. This instance's address is 172.17.3.47, but yours may be different.

```
1: lo: <LOOPBACK, UP, LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group t glen 1000
    Link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    Inet 127.0.0.1/8 scope host lo
        Valid_lft forever preferred_lft forever
    Inet6 ::1/128 scope host
        Valid_lft forever preferred_lft forever
2: enp3s0f2: <BROADCAST, MULTICAST, UP, LOWER_UP> mtu 1500 qdisc fq_code1 state up group default qlen 1000
    link/ether 30:65:ec:25:be:3b brd ff:ff:ff:ff:ff:ff
    inet 172.17.5.47/24 brd 172.17.5.255 scope global dynamic noprefixroute ip3 sof2
        valid_lft 22085sec preferred_lft 22085sec
    inet6 fe80::c3a8:bcbd:6cda:4dc3/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: wlp2s0: <NO-CARRIER,BROADCAST, MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether a4:db:30:cb:36:0e brd ff:ff:ff:ff:ff:ff
4: docker0: <NO-CARRIER,BROADCAST, MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether 02:42:11:ff:39:9f brd ff:ff:ff:ff:ff:ffs
    inet 172.18.0.1/16 brd 172.18.255.255 scope global docker0
        valid_lft forever preferred_lft forever
```

In the above interface session the IP address (172.17.5.47) of the Nuclias Connect is identified. This is the IP address to use through a web browser to access the Nuclias Connect interface.

The Docker Hub installation process is complete. The core containers necessary to access Nuclias Connect through a web browser are now in place. To access the Nuclias Connect interface see [Launch the Nuclias Connect](#) for further details.

Launch the Nuclias Connect

With the core containers setup and the MongoDB profiles configured, the Nuclias Connect can now be accessed through a web browser.

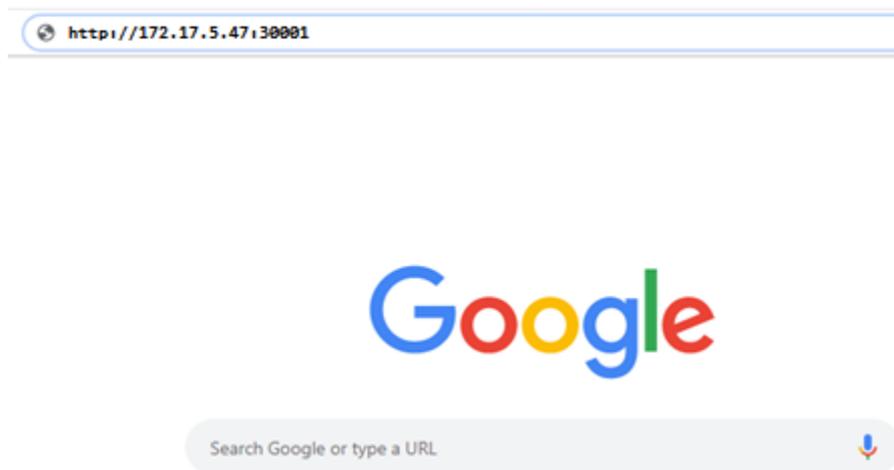
To obtain the IP address to access the Nuclias Connect through a web browser, see **Setup Database Profile**.

The default settings for the Nuclias Connect are as follows:

- Web port: 30001

From the desktop, open a web browser.

In the address field, enter the aforementioned address of Nuclias Connect. In this instance, the IP address is 172.17.5.47:30001.

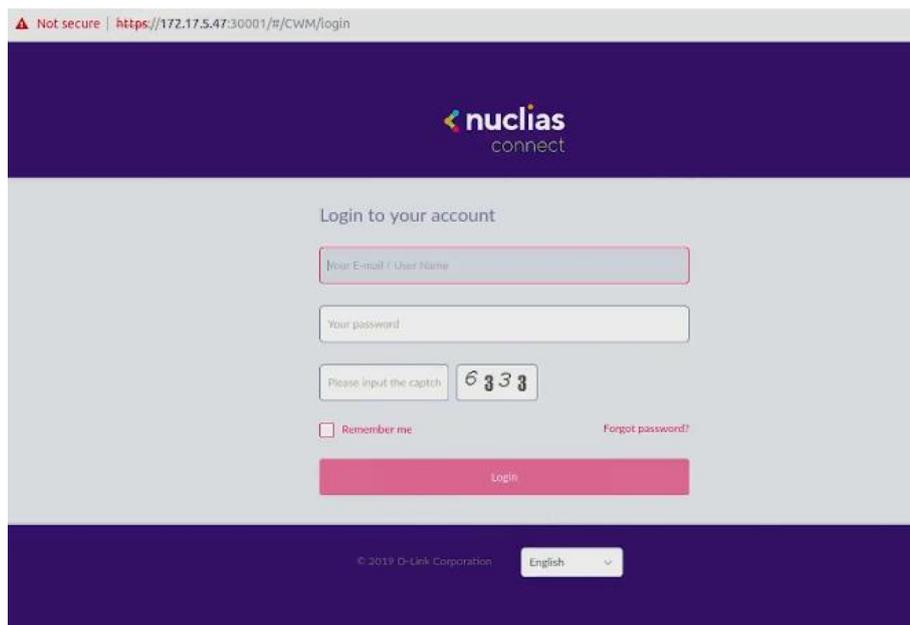


Connecting to Nuclias Connect on a Browser

A privacy error screen may appear when establishing a connection to the Nuclias Connect server.

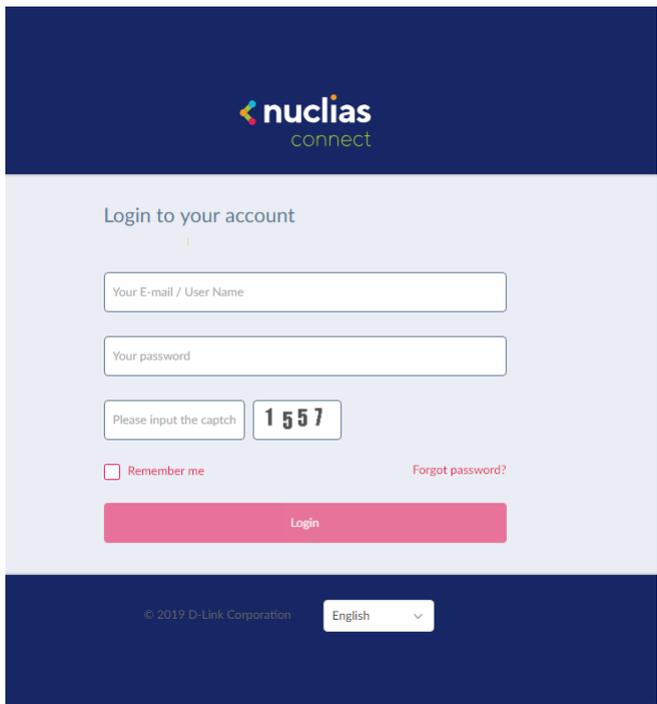
In this instance, click Proceed to 172.17.5.47 (unsafe) to open the Nuclias Connect portal.

The Nuclias Connect main login screen is displayed as seen in the following figure. The initial login username and password is admin. You will be required to modify your password after first time log in.



Nuclias Connect Login Screen

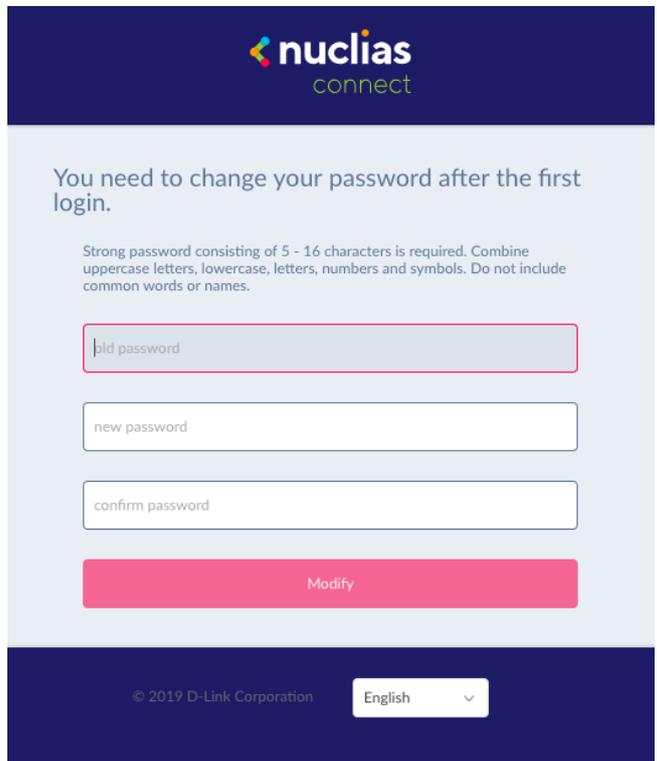
The Nuclias Connect is ready to configure and setup your SOHO or enterprise network.



Software Nuclias Connect Login

The default username and password is admin. You are required to change your password for the first time login to secure your account. Enter the current password, then enter the new password and its confirmation in the appropriate fields.

Click **Modify** to continue.



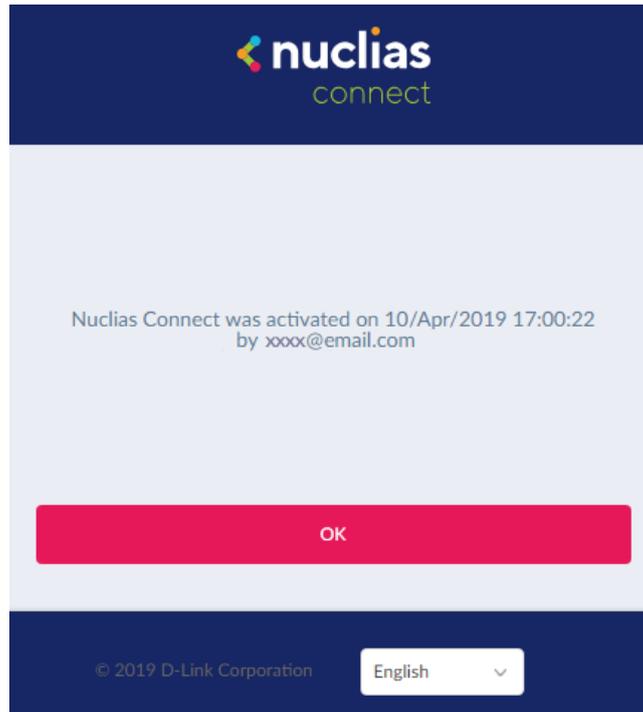
Change Password Requirement

After a successful password change, you're required to provide some installation information to continue the activation. Complete the information requested and click **Apply** to continue.

Finish Activation

Parameter	Description
How are you using Nuclias Connect?	Own Use or Customer
How many people in your department?	Options: <10, 10-50, 50-100, >100
How many APs do you plan to manage?	Options: <20, 20-50, 50-100, 100-500, >500
How many sites do you plan to manage?	Enter the number of sites to manage
Apply	Click to continue the activation process.

The activation process is now completed. Click **OK** to finalize the process.



Finalize Activation Process