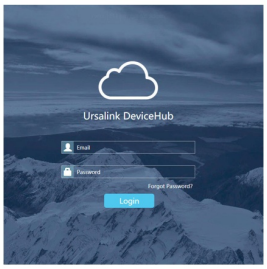

Milesight DeviceHub IoT Device Installation Guide

Milesight DeviceHub Installation Guide

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Preface

This guide teaches you how to install Milesight on-premises DeviceHub platform.

Readers
This guide is intended for the following users:

- Distributors
- Network Planners
- On-site technical support and maintenance personnel
- Network administrators responsible for network configuration and maintenance

For assistance, please contact
Milesight technical support:
Email: **iot.support@milesight.com**
Tel: 86-592-5085280
Fax: 86-592-5023065
Address: 4/F, No.63-2 Wanghai Road,
2nd Software Park, Xiamen, China

Revision History

Date	Doc Version	Description
Aug. 29, 2018	V 1.0	Initial version
Mar. 18, 2021	V 2.0	Brand Replace and add features

Introduction

Milesight DeviceHub provides a high-efficency, low maintenance solution to easily deploy Milesight IoT devices across multiple locations, reducing complexity and increasing productivity. Milesight offers cloud and on-premises version according to customer requirements. This guide will describe how to install on-premises DeviceHub. For cloud version please contact Milesight IoT sales or click here to apply for DeviceHub Cloud platform account.

System Requirements

Hardware

It’ s suggested to use the server which suit following requirements:
For 500 devices
– CPU: 2 Cores, 2.0 GHz
– RAM: 16 GB
– Disk: 512 GB
– Bandwidth: ≥100MBps
For 1000 devices
– CPU: 8 Cores, 3.2 GHz
– RAM: 32 GB
– Disk: 1 TB
– Bandwidth: ≥100MBps

Software

- Operating System: Ubuntu 16.04
- Browser: Chrome, Firefox

Installation

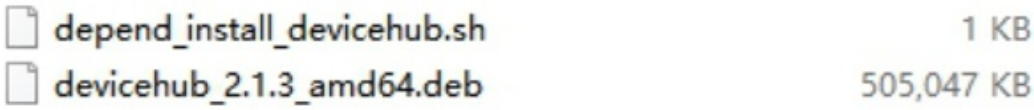
Requirements

- Ubuntu Server
- DeviceHub Software Package
- WinSCP
- Putty (or other SSH tool)

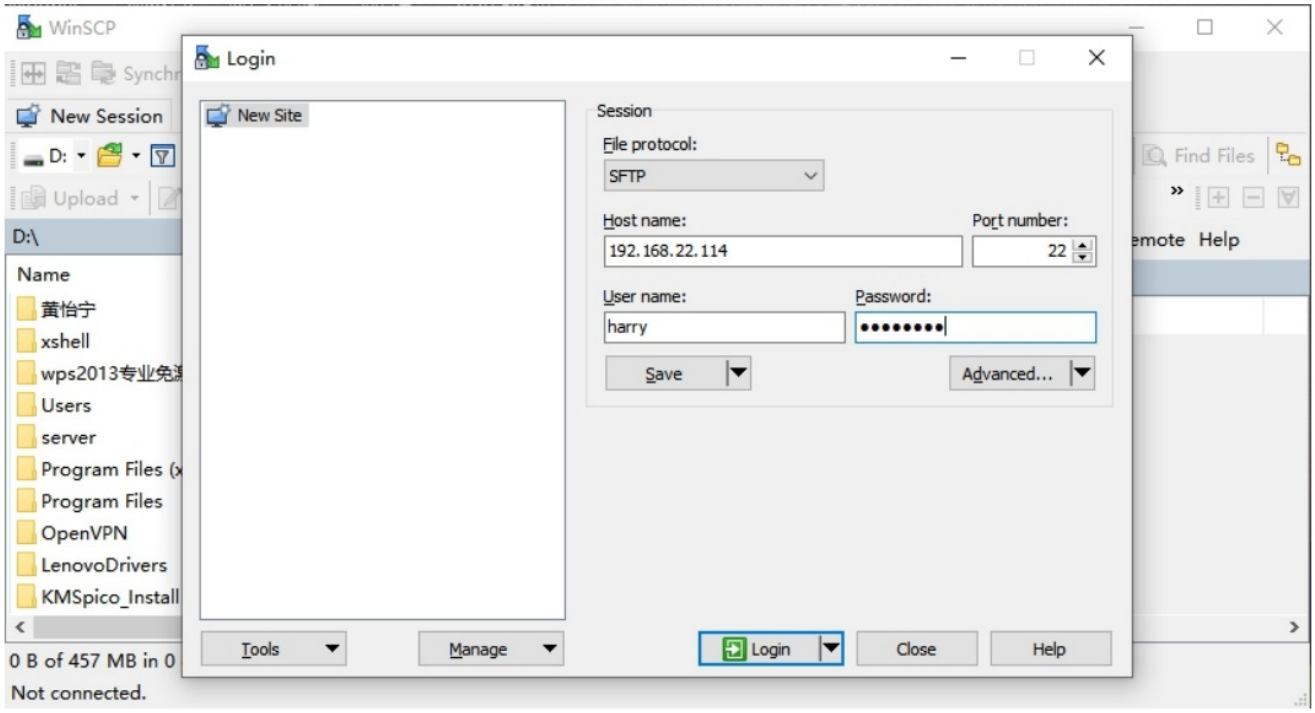
Package Upload

Following steps are based on WinSCP tool. You can also use other tools to upload packages.

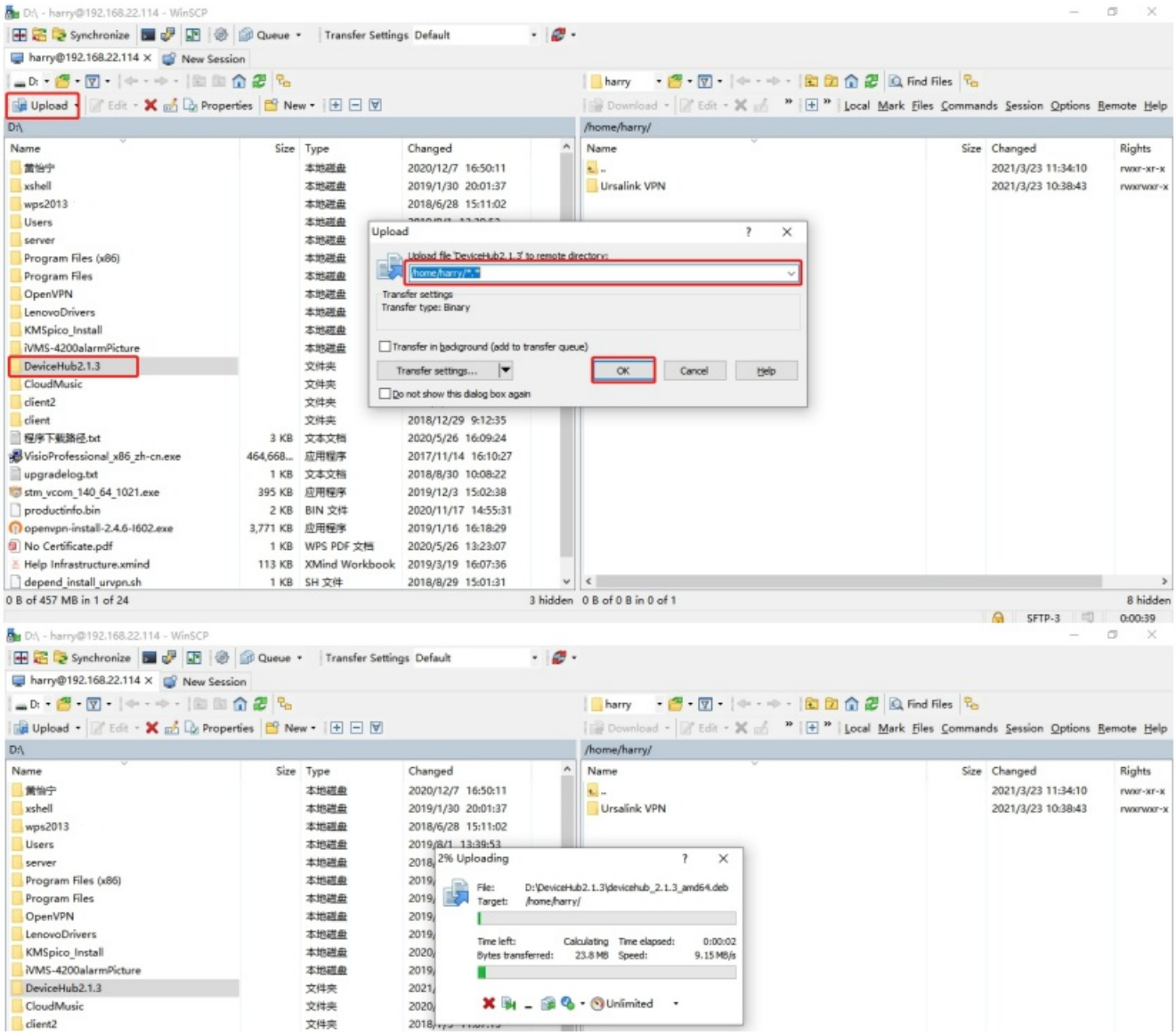
1. Download the DeviceHub package from Milesight IoT website then extract and check files:

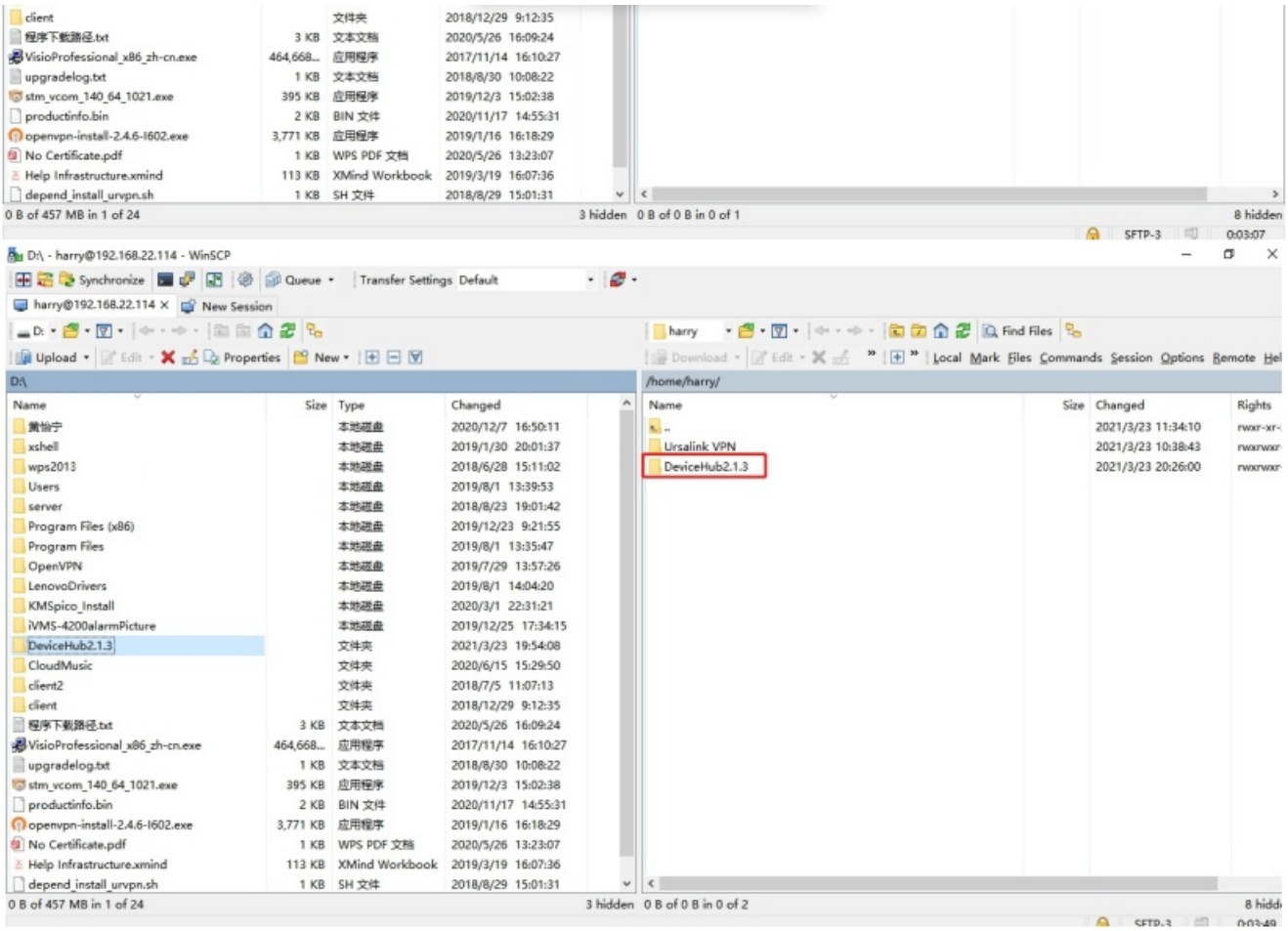


2. Open WinSCP and set up a session between WinSCP and server.



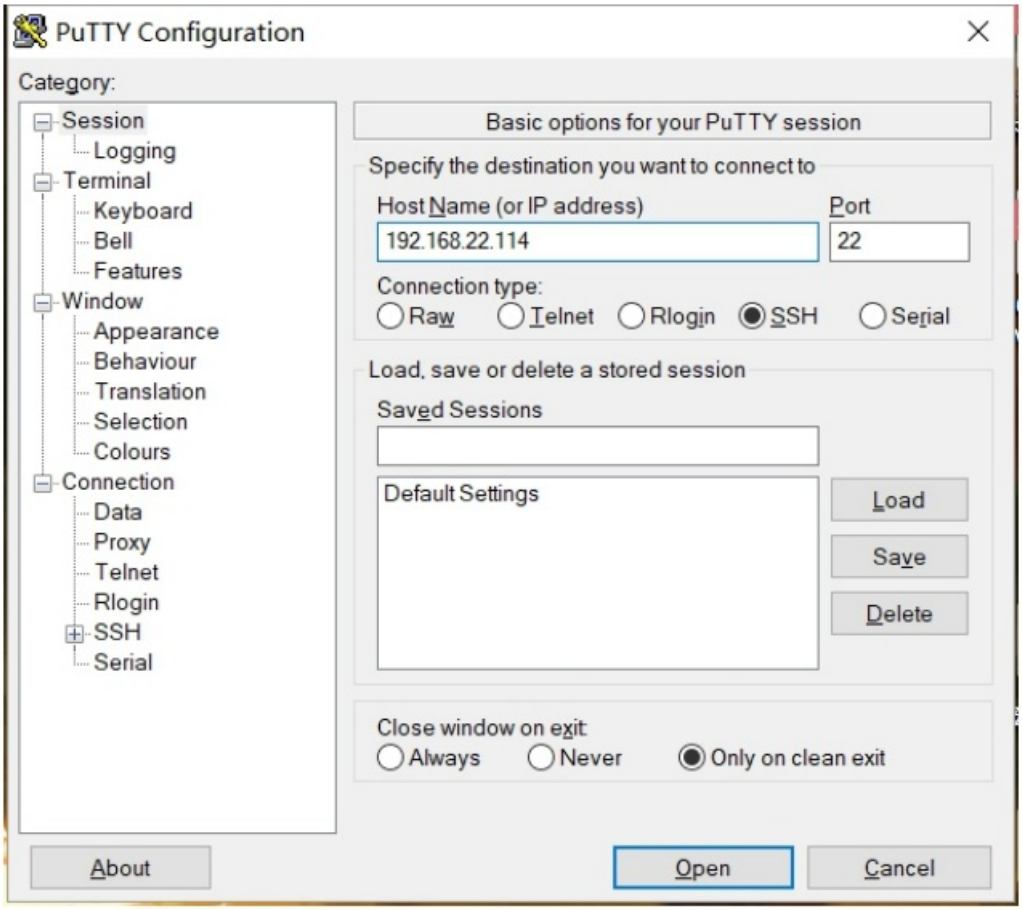
3. Select the DeviceHub folder and click “Upload”, select the server path and click “OK” to upload.





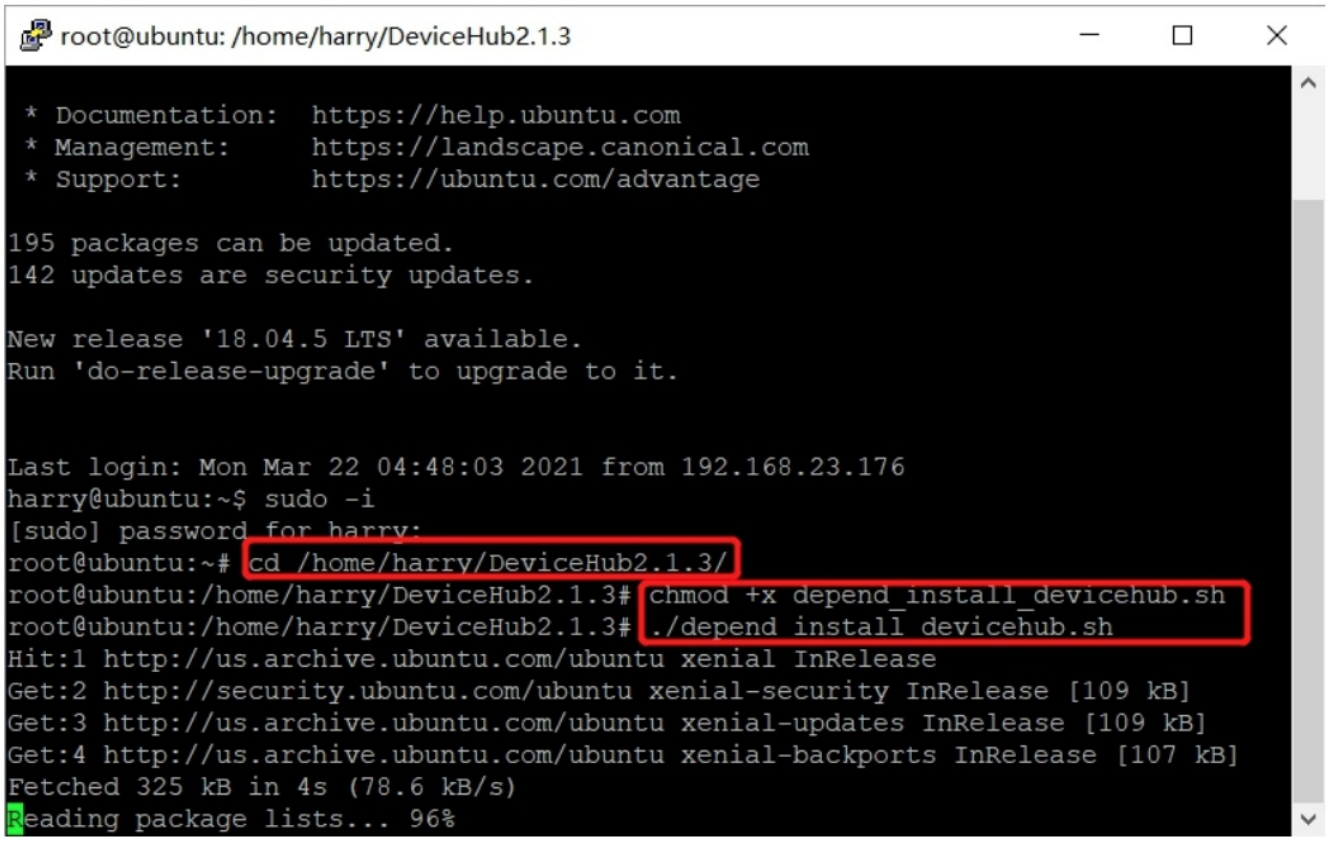
DeviceHub Installation

1. Log in the server via Putty. You can also use other SSH tools.



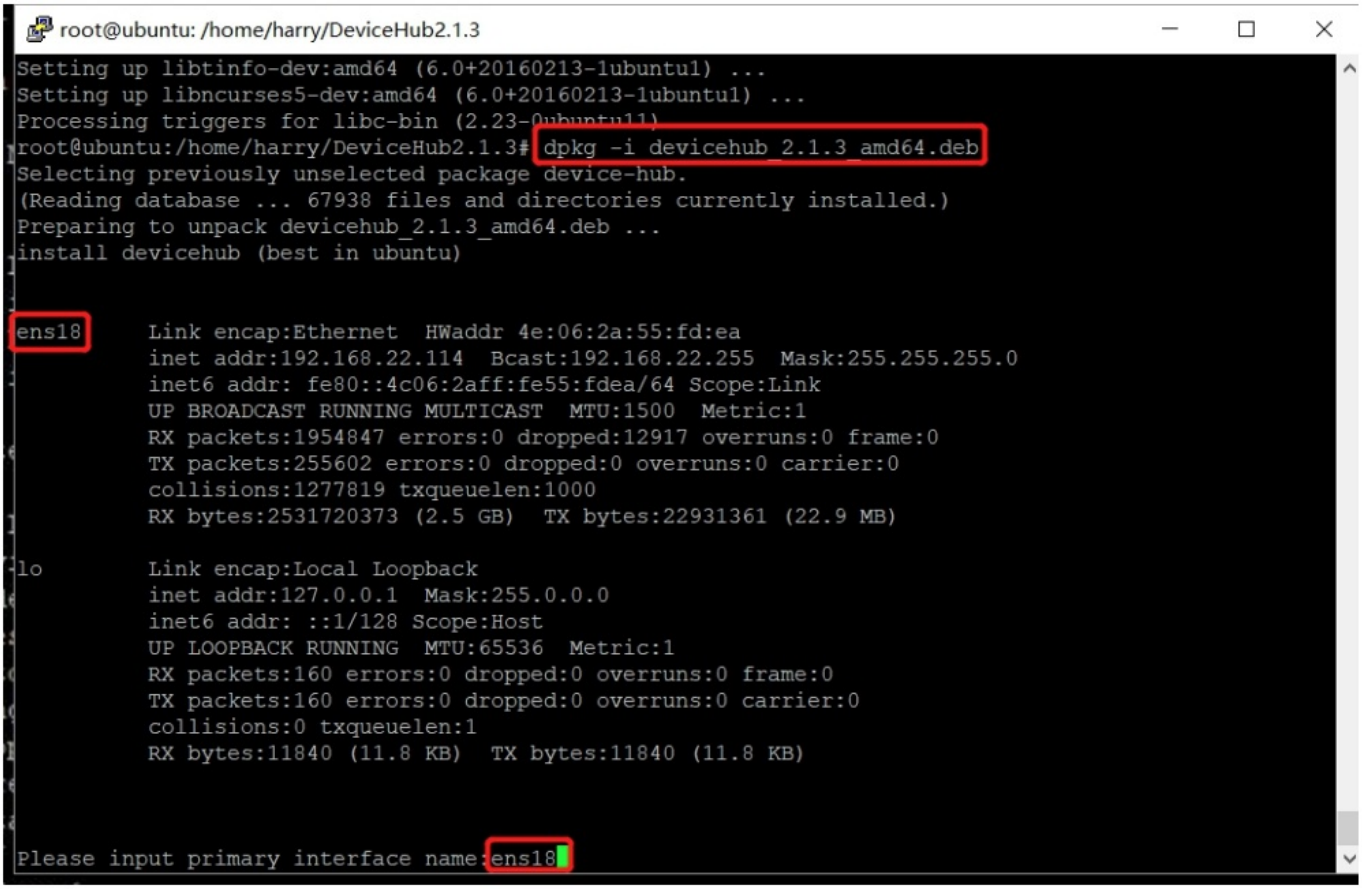
2. Run following commands under DeviceHub directory. chmod+xdepend_install_devicehub.sh.

/depend_install_devicehub.sh



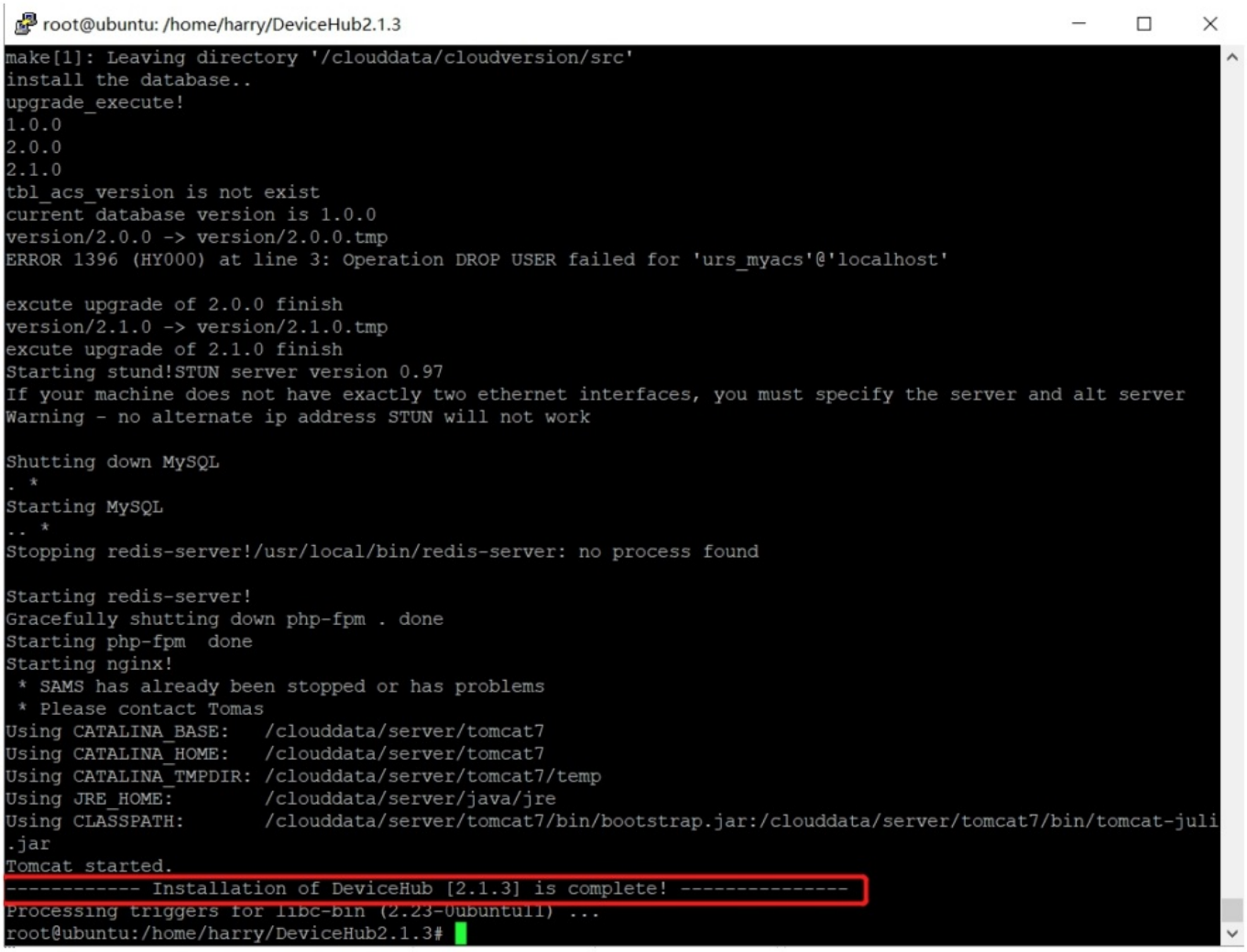
3. Install DeviceHub software. Take the 2.1.3 version as example, please type following command: dpkg -i devicehub 2.1.3 amd64.deb

The network interface of this server will show. Select and type the main interface name, then click Enter to start the installation.



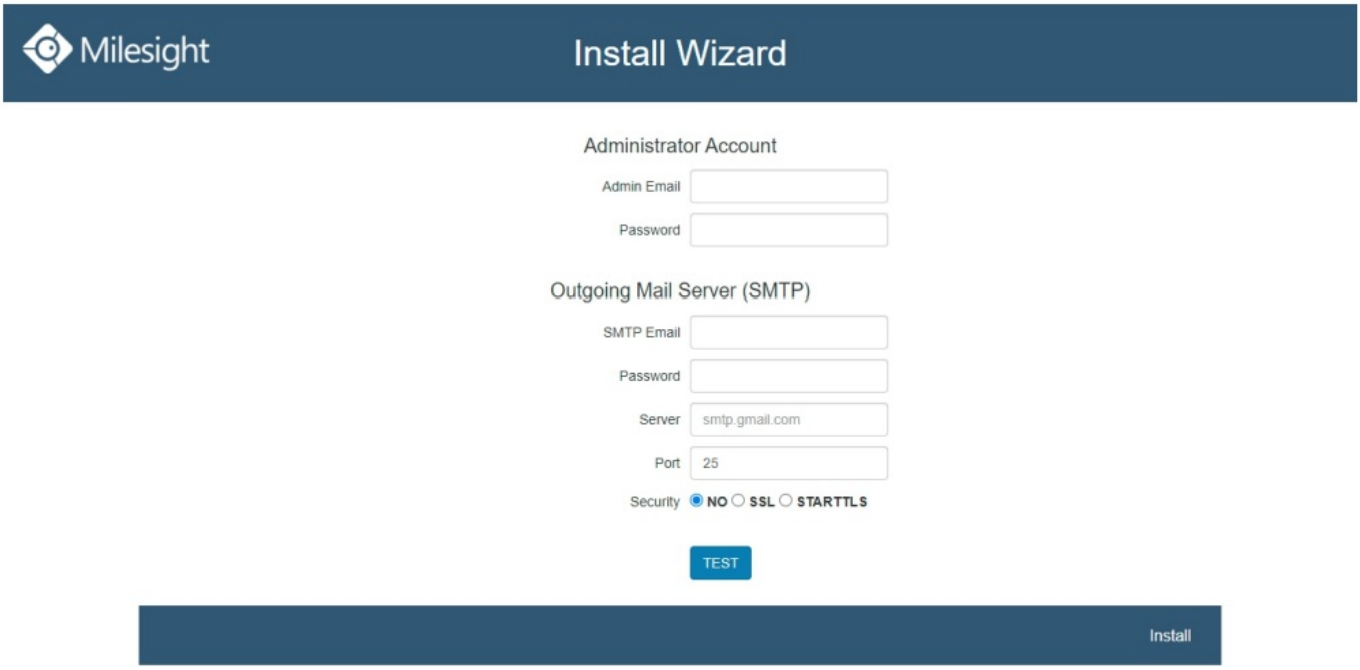
It will take about 30 minutes to complete the installation and there will show following message when the

installation complete.

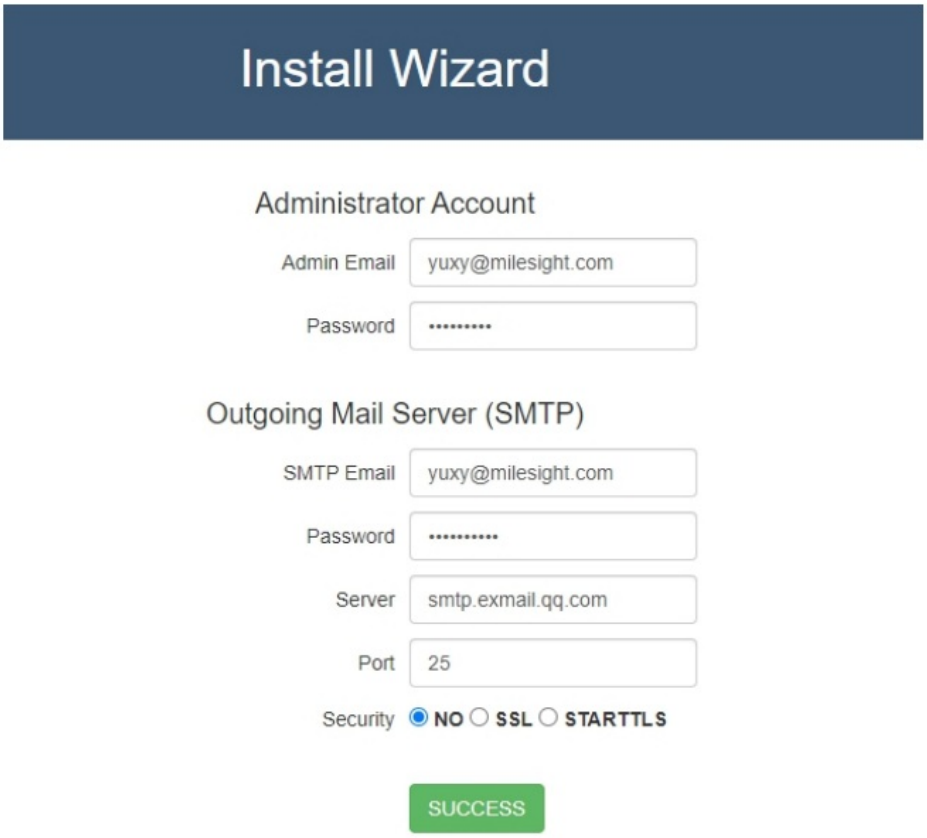


Registration

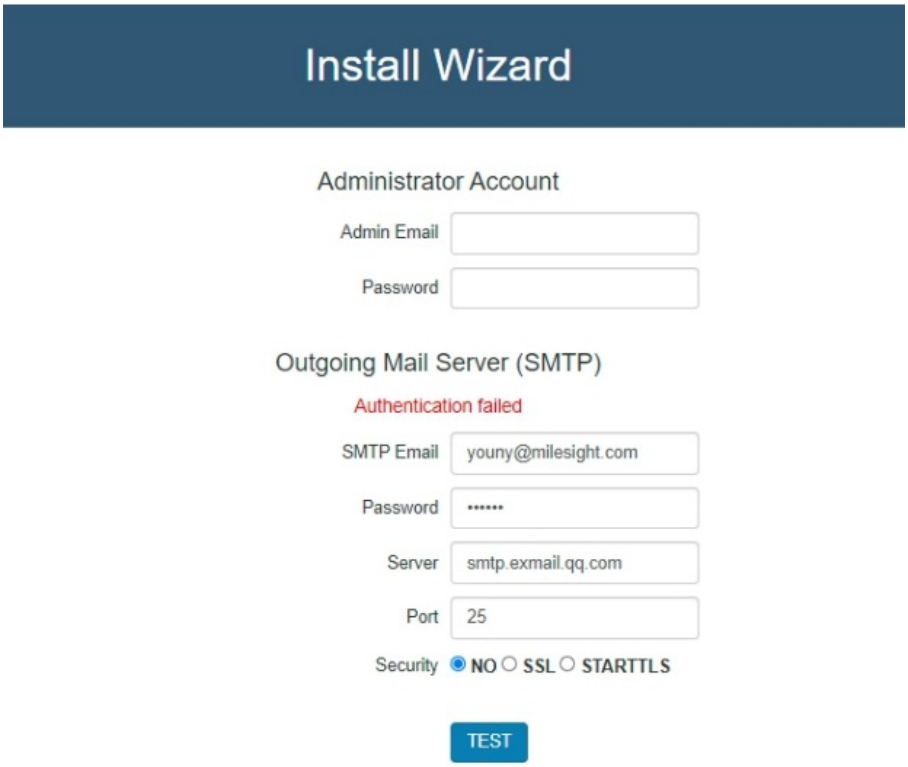
After installation, open the browser and type the IP address to open the registration page. Fill in the following information and click “Install” to complete the registration. **Administrator Account(Required)**
Admin Email: the email address working as root account of the DeviceHub
Password: define the password of the root account
Outgoing Mail Server(Option)
SMTP Email: Email address used for sending alarm emails or sub-account activation emails
Password: Password of the email address
Server: SMTP server address for email service
Port: SMTP server port for email service
Security: encryption mode for email service



After completing all information, click “TEST” to check if your outgoing mail server is valid. If yes, a SUCCESS prompt will show and DeviceHub will save the email settings.



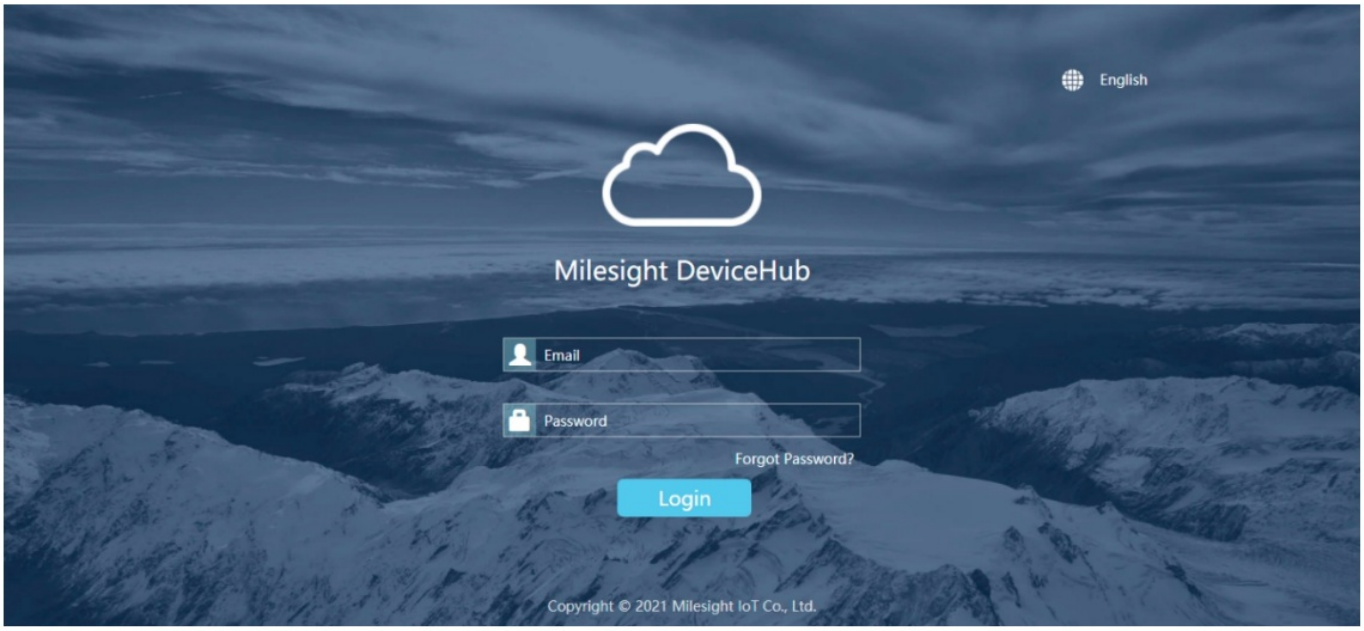
Otherwise there is error message “Authentication failed”.



Nbote:

1. Outgoing mail server information is option and you can click “Install” to skip the configurations.
2. You can also log in the DeviceHub via administrator account and go to “Settings > Email” to configure or change the outgoing mail server settings.
3. If the outgoing mail server is not verified by “TEST” button, it will not be saved.

After registration, you can log in the DeviceHub via administrator account.



Services and Ports

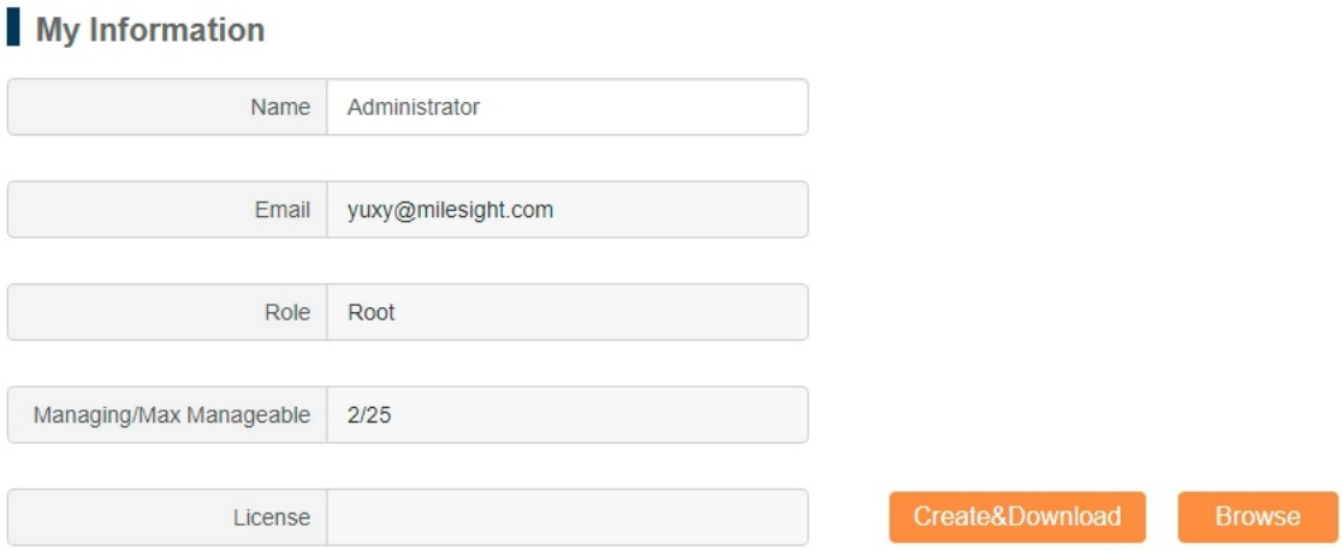
In order to ensure the security and unblocked communication, here are ports for services:

Port	Protocol	Description
22	TCP	SSH Service
80	TCP	NGINX Agent(Non-encrypted)
443	TCP	NGINX Agent(Encrypted)
3478	UDP	STUND Service
3479	UDP	STUND Service
6379	TCP	Message Broker
8080	TCP	TR069 Service(Non-encrypted)
8443	TCP	TR069 Service(Encrypted)
10000-10100	TCP	Remote Access Service
20000-20100	TCP	Remote Access Service

Expand Manage Devices

The number of available managing devices can be checked in “Settings > General” tab. Maximum number of managing devices is 25 by default for on-premises version. Please refer to following steps to expand manage devices.

1. Log in DeviceHub with root account and go to “Settings > General” tab, then click “Create&Download” to download license info file.
2. Contact Milesight sales or technical support and send the license info file.
3. Get expand license from Milesight and click “Browse” to import the license.
4. Click “save” to save the settings and the max manageable devices will change.



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Documents / Resources

	Milesight DeviceHub IoT Device [pdf] Installation Guide DeviceHub IoT Device, DeviceHub, IoT Device

References

- Milesight IoT - LoRaWAN, 5G & AIoT