

SonicDICOM PACS Cloud

SonicDICOM Cloud Connector Setup Guide

Version 6

February 9, 2024

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Introduction

SonicDICOM Cloud Connector is a free software to automatically upload medical images that is scanned by modalities to SonicDICOM PACS Cloud.

This document describes how to install this software and how to make various settings.

If you have any questions, please contact the distributor or manufacturer.

Version history

Version	Date	Description
1	March 29, 2019	The first edition issued.
2	November 25, 2020	Description on "Upload the compressed data" and other explanations have been added.
3	May 25, 2021	Some expressions, screenshots, and layouts have been changed.
4	July 2, 2021	Some expressions, and screenshot have been changed.
5	November 1, 2021	The manufacturer's company name has been changed.
6	February 9, 2024	UI improvements, description changes

1. Installation

1.1 Get ready

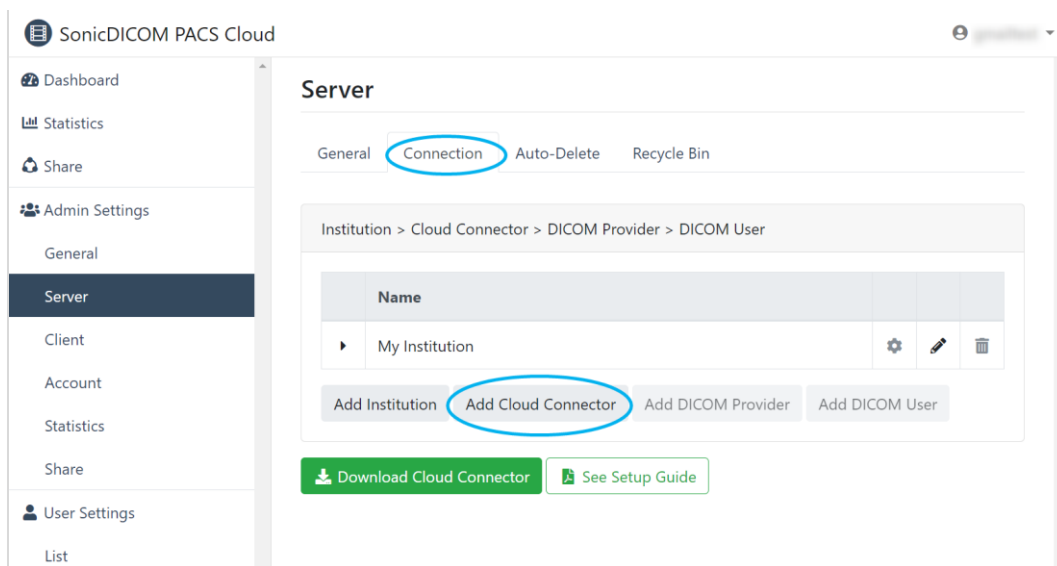
1.1.1 Create your PACS on the cloud

In order to use SonicDICOM Cloud Connector, you need to create your account and PACS on the cloud. Click following link to create your PACS on the cloud by following guidance. <SonicDICOM PACS Cloud>

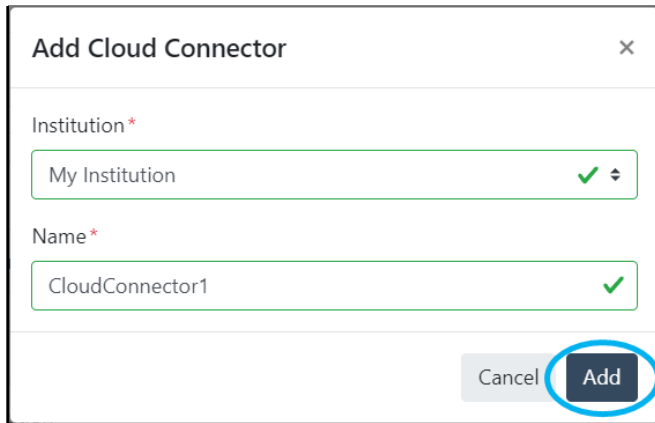
<https://console.sonicpacs.com/>

1.1.2 Add Cloud Connector on your Cloud PACS

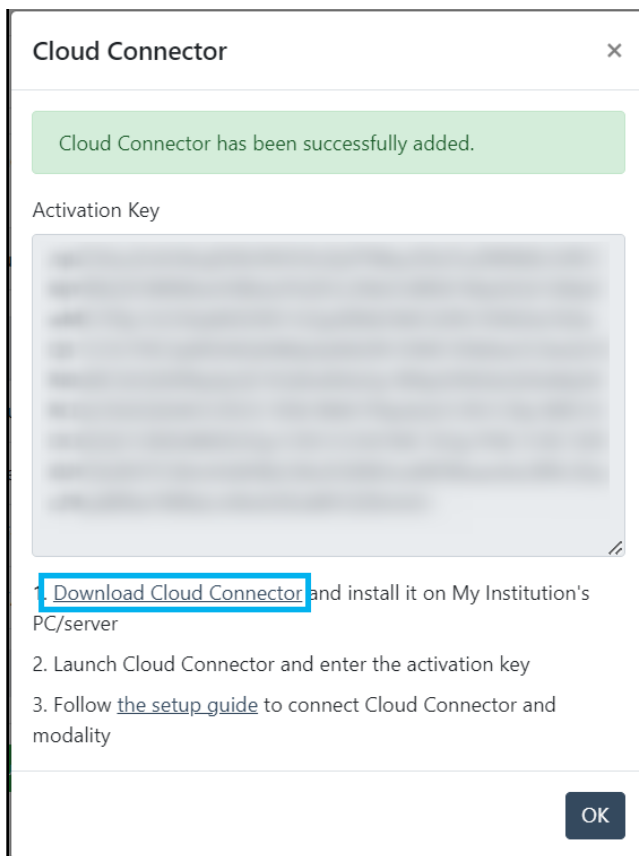
(1) Log in to your Cloud PACS. Access: Admin Settings > Server > Connections. Click "Add Cloud Connector".



(2) A dialog "Add Cloud Connector" will appear. Select Institution Name and enter a name for this setting then click "Add".



(3) A dialog "Cloud Connector" with the activation key will appear if cloud connector is successfully added. Click "Download Cloud Connector".

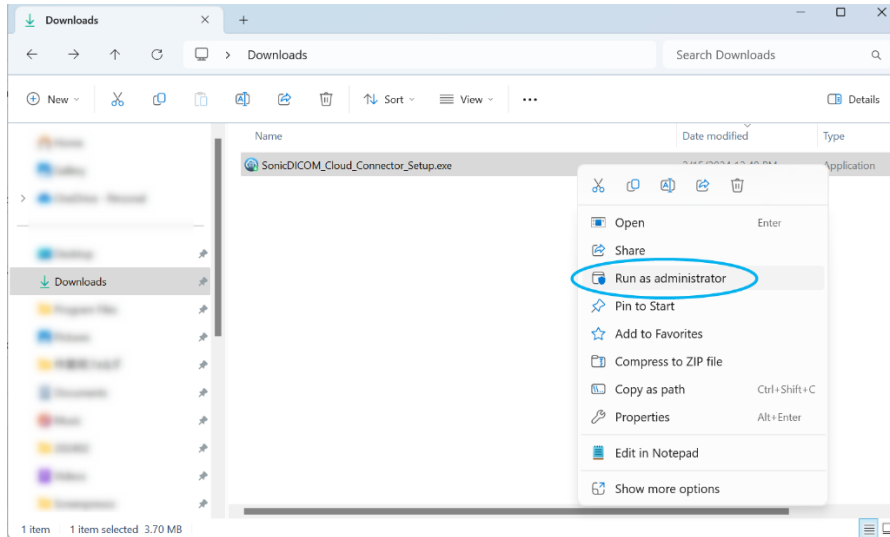


* Do not close this dialog. You will need the activation key later.

(4) Select a location to save the installer of cloud connector and click "Save".

1.2 Install SonicDICOM Cloud Connector

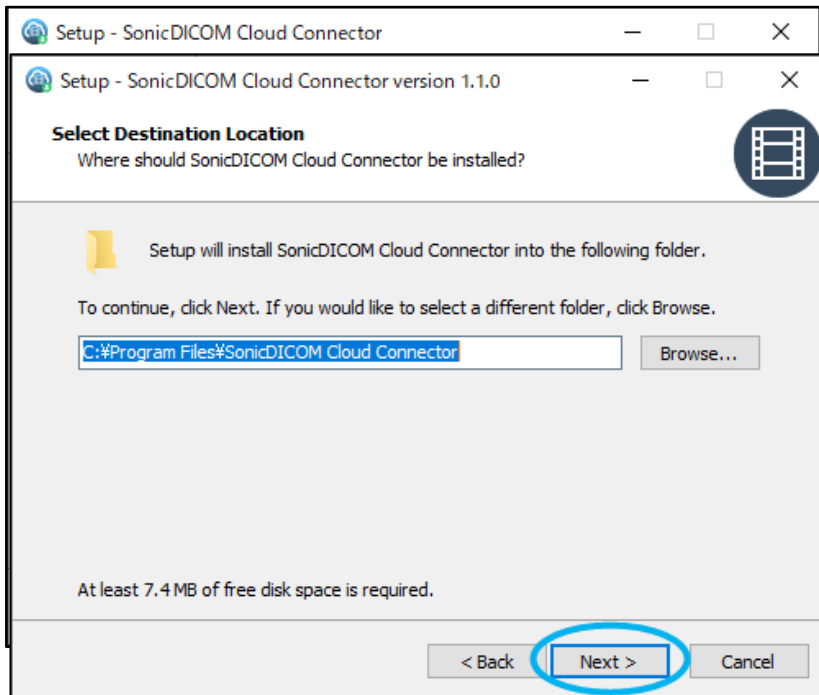
(1) Right-click on the installer "SonicDICOM_Cloud_Connector_Setup.exe", and click "Run as administrator".



(2) The Setup screen will appear. Click "Next".



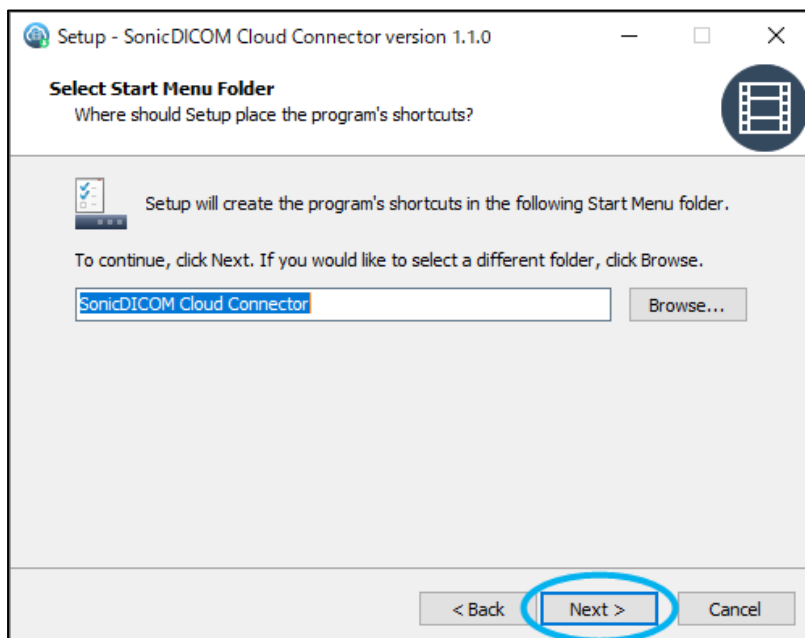
(3) Read License Agreement and put a check mark on "I accept the agreement" after checking its contents. And then click "Next".



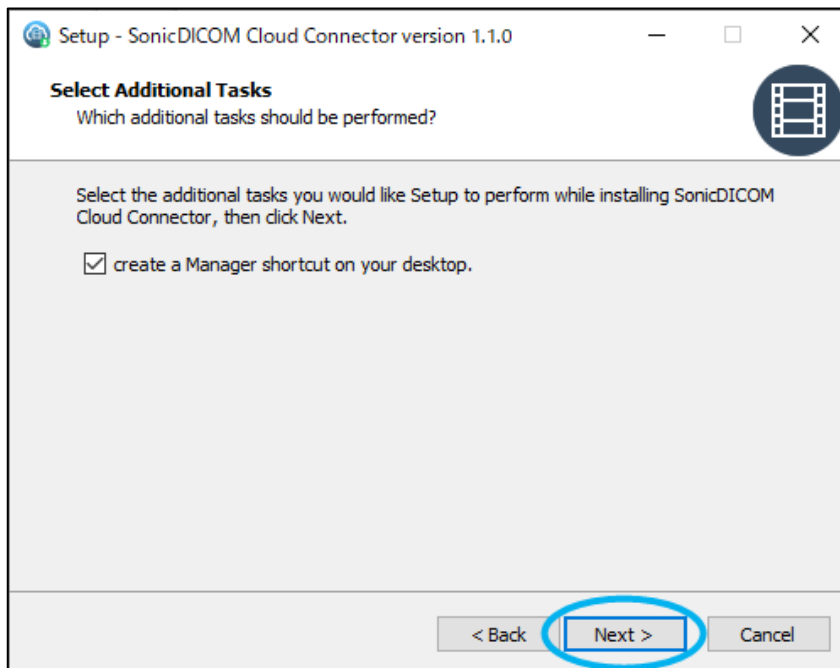
(4) Check a folder to install the software, then click "Next".

(5) Check a folder to store shortcut, then click "Next".

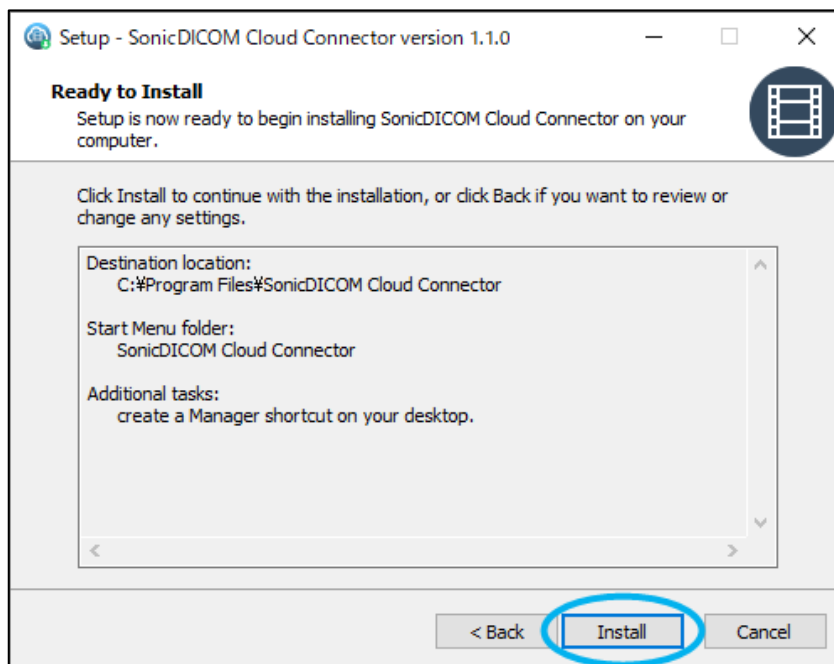
If no folder is specified, it will be created automatically.



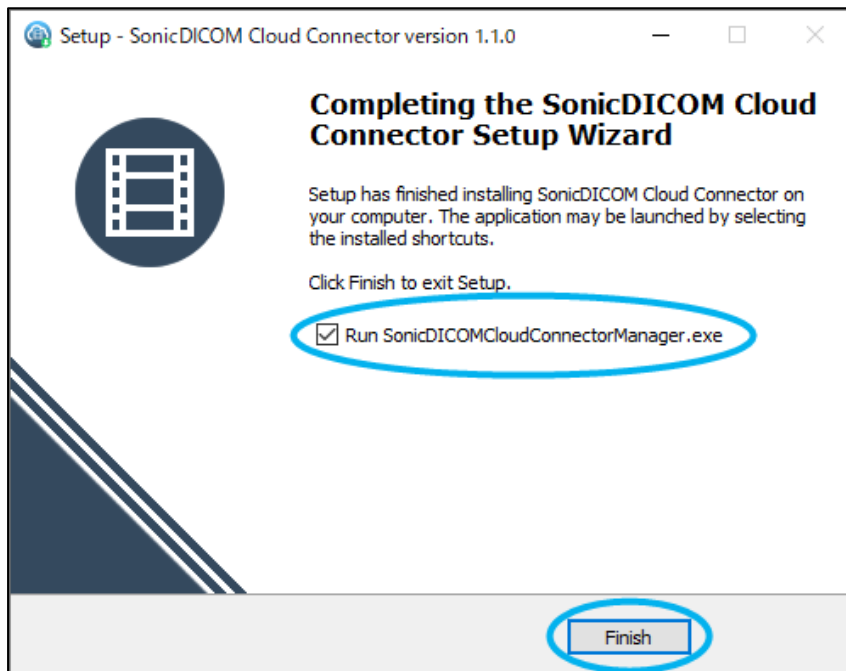
(6) If you would like to create a shortcut of the software on your desktop, put a check mark and click "Next".



(7) Check the contents to be installed, and click "Install".



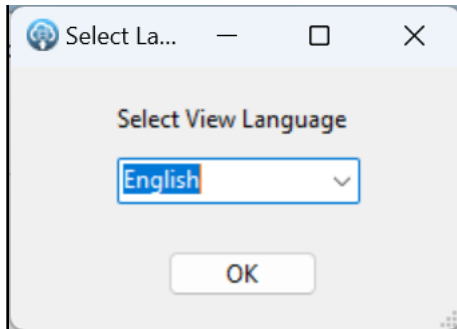
(8) If you run SonicDICOM Cloud Connector and make settings after the installation is done, put a checkmark next to "Run SonicDICOMCloudConnectorManager.exe" and click "Finish".



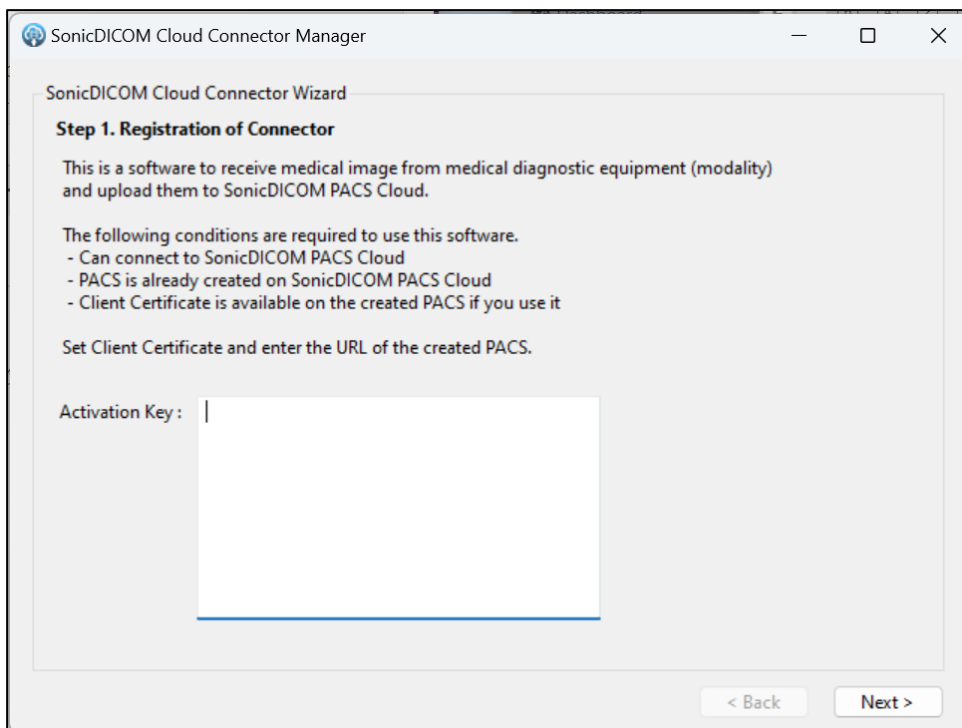
Then setup will be completed. And SonicDICOM Cloud Connector will launch.

2. Activate a license

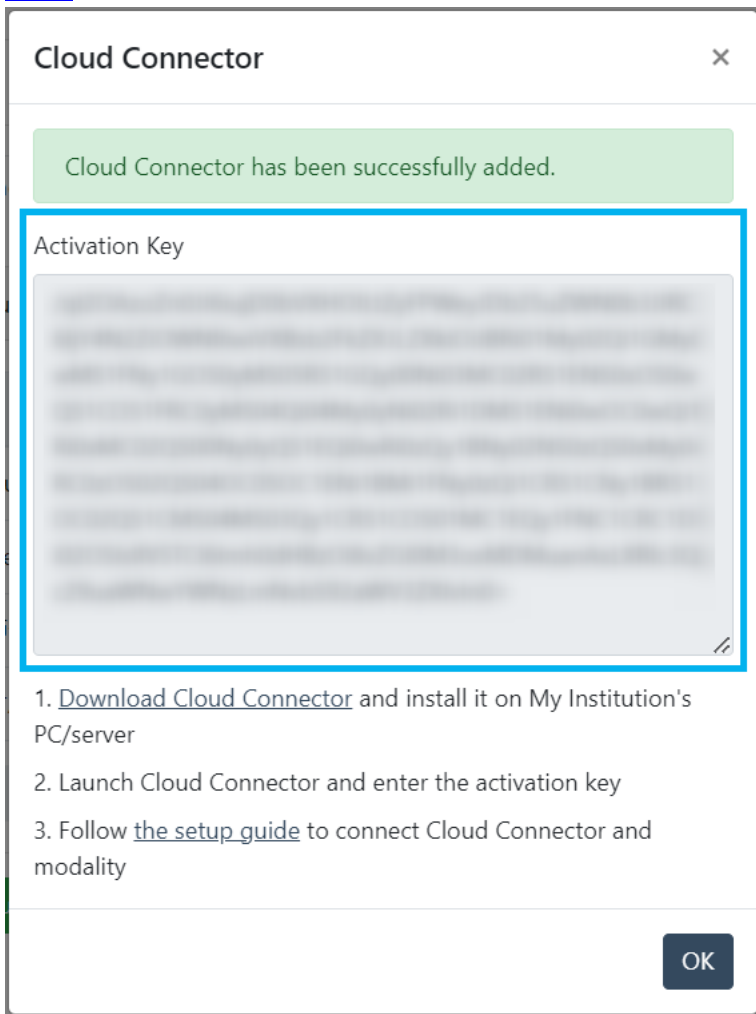
(1) A screen to choose the language will appear. Select "English".



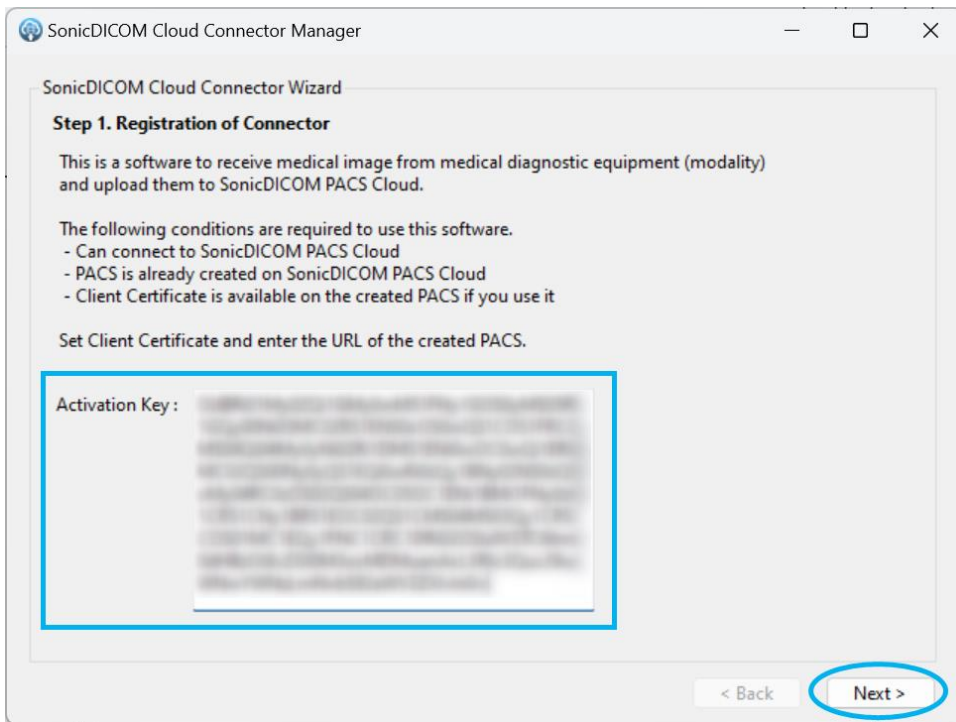
(2) SonicDICOM PACS Cloud Connector Manger will launch and "Step1. Registration of Connector" will appear."



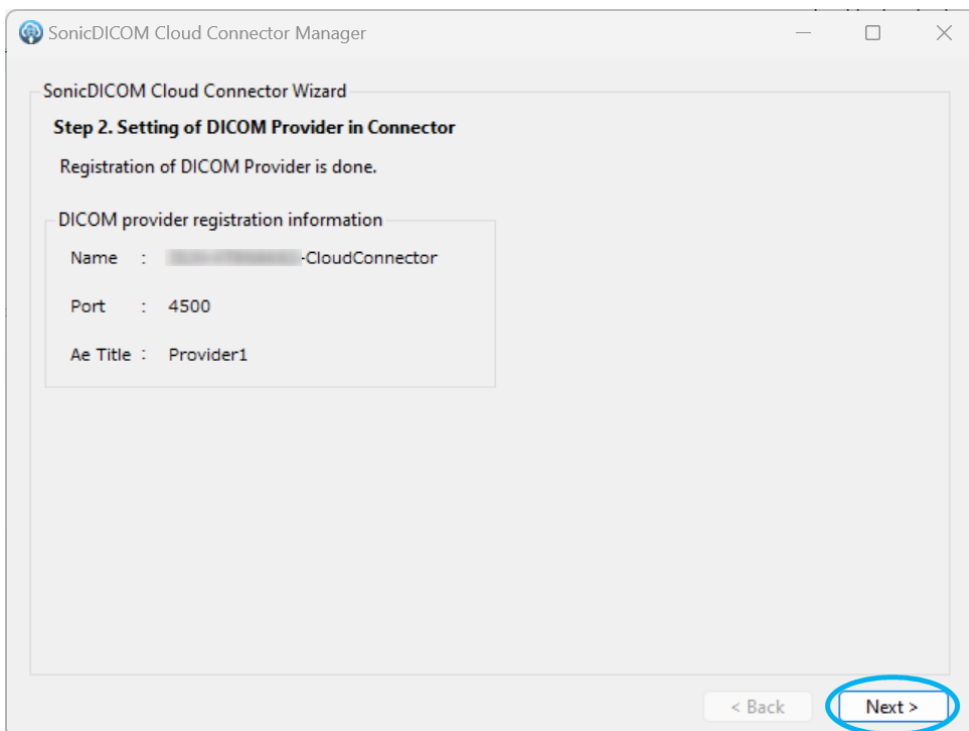
(3) Copy the activation key that you see on step [1.1.2 Add Cloud Connector on your Cloud PACS](#).



(4) Back to the wizard "Step1. Registration of Connector" and paste the activation key. And click "Next".



(5) If the activation successfully done, the wizard "Step2. Setting of DICOM Provider in Connector" will appear. It shows registered DICOM Provider information including the cloud connector name, a port number and AE title of the PC which cloud connector is installed. Click "Next".

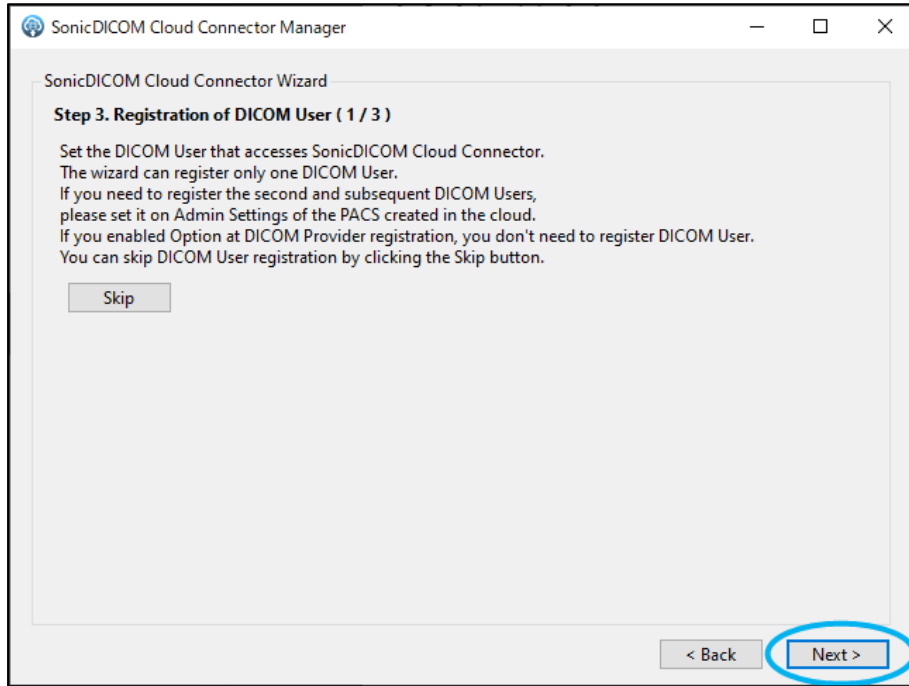


3. Register DICOM User

3.1 Register DICOM User

Register DICOM User of SonicDICOM Cloud Connector. DICOM User is mainly modality such as ultrasound, MRI, etc.

(1) Wizard "Step3. Registration of DICOM User (1 / 3)" will appear.



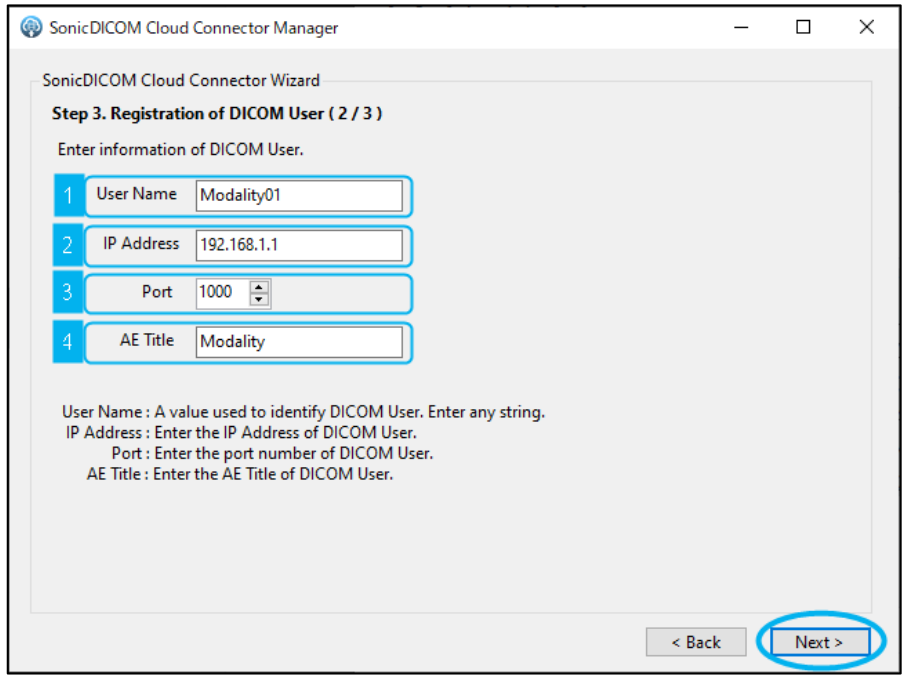
The wizard can register only one DICOM User. Click "Next".

* To register second or subsequent DICOM user, please access SonicDICOM PACS Cloud > Admin Settings > Server > Connection.

* If "Option: Allow DICOM connection with unregistered DICOM user" is enabled in Admin Settings > Server > Connection, the DICOM user will be registered automatically even if it is not registered yet (provided that DICOM connections have not reached the maximum number).

* If you would like to skip the registration of DICOM User, click "Skip" to close the wizard.

(2) Wizard "Step3. Registration of DICOM User (2 / 3)" will appear.

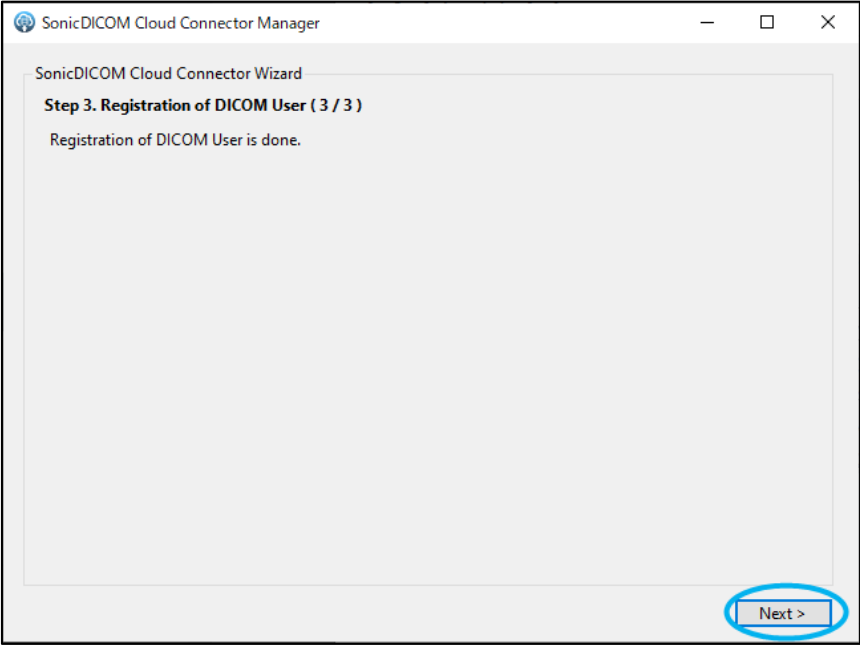


Enter the following information.

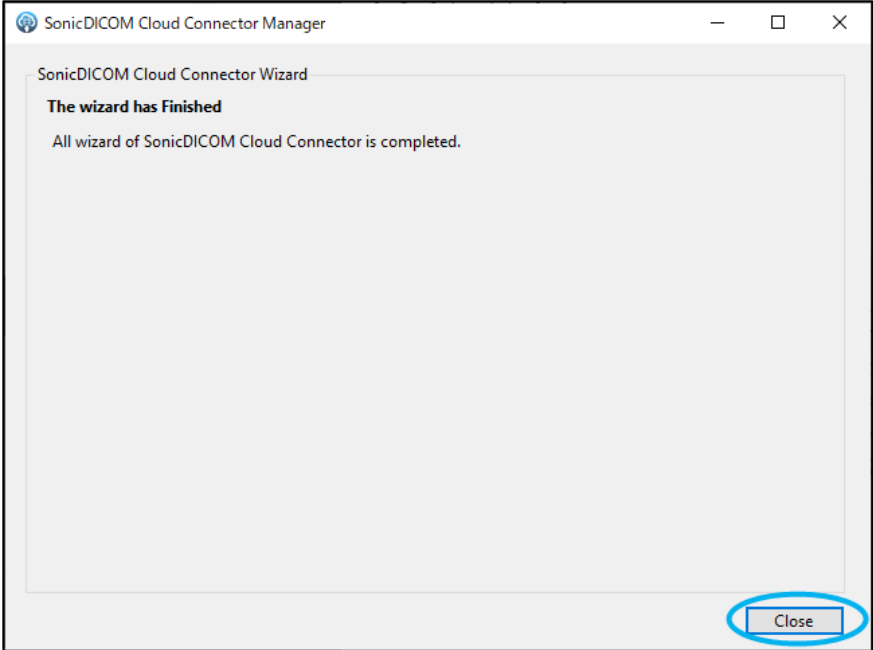
- [1] User Name: A name used to identify DICOM User. Enter any string.
- [2] IP Address: Enter the IP Address of DICOM User.
- [3] Port: Enter the port number of DICOM User.
- [4] AE Title: Enter the AE Title of DICOM User.

After you entered all the items, click "Next."

(3) Wizard "Step3. Registration of DICOM User (3 / 3)" will appear.
Registration of DICOM User is done. Click "Next".



(4) Wizard "The wizard has finished" will appear.



All wizard of SonicDICOM Cloud Connector is completed.
Click "Close" to close the wizard.

3.2 Add information of SonicDICOM Cloud Connector to modality

You need to register the information of SonicDICOM Cloud Connector to the modalities to be connected with SonicDICOM PACS Cloud.

- **IP Address of the PC on which SonicDICOM Cloud Connector was installed**
- **Port Number of the PC on which SonicDICOM Cloud Connector was installed**
- **AE Title of the PC on which SonicDICOM Cloud Connector was installed**

The setting method differs depending on each modality, so if you are not sure, please check with the manufacturer's support staff or another person who can assist.

* When SonicDICOM PACS Cloud Connector receives via DICOM communication, it will check if the DICOM user is already registered.

If "Option: Allow DICOM connection with unregistered DICOM user" is enabled in Admin Settings > Server > Connection, the DICOM user will be registered automatically even if it is not registered (provided that DICOM connections have not reached the maximum number).

When DICOM user is automatically registered, its AE title and IP address will be obtained from the communication information, but its port number cannot be obtained and will be registered as "1000".

3.3 Restart SonicDICOM Cloud Connector

(1) Back to SonicDICOM Cloud Connector Manager and check that following information is displayed.

- Service : "Stopped "
- License > License Status : "Active"
- License > Cloud URL : The URL of your cloud PACS

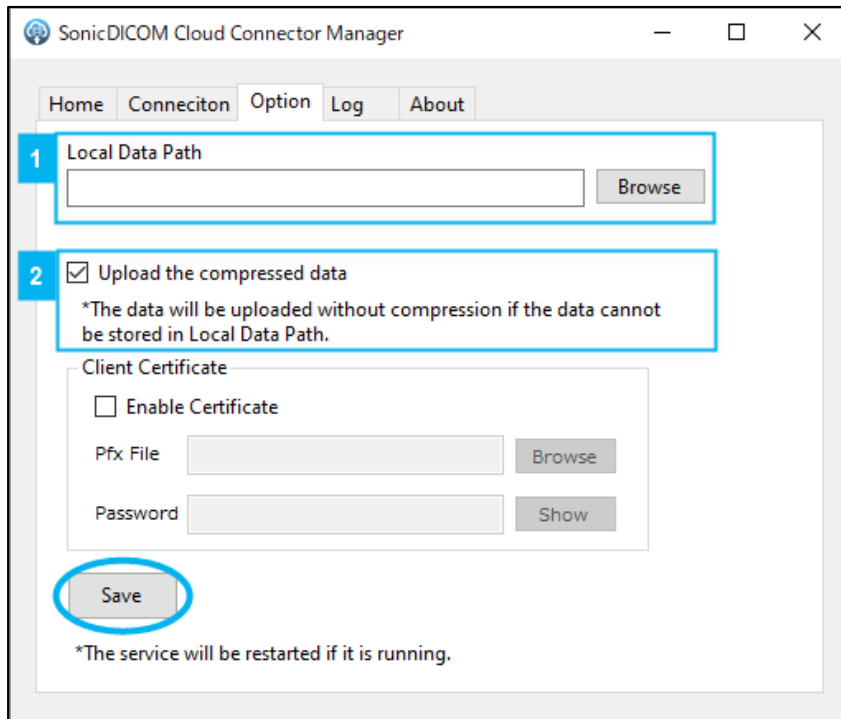
(2) Click "Start".

4. Optional Settings

4.1 Upload the compressed data

Uploading DICOM files to SonicDICOM PACS Cloud without compressing them will overload the storage capacity of PACS.

By configuring the following settings, you can store DICOM files in local and compress them before uploading.



(1) Configure a local path to store DICOM files to be uploaded.

Open SonicDICOM Cloud Connector Manager > Option.

In Local Data Path, click "Browse" and specify the local location to store it.

(2) Configure the settings to upload the DICOM file compressed.

Put a checkmark "Upload the compressed data" to enable this option.

By enabling this option, compressed DICOM files will be uploaded to SonicDICOM PACS Cloud.

If this option is not enabled, uncompressed DICOM files will be uploaded to SonicDICOM PACS Cloud.

Also, configure the settings for Client Certificate.

Put a checkmark "Enable Certificate" in "Client Certificate" section.

- Pfx File: Click "Browse" and specify the location where Client Certificate is stored.
- Password: Enter the password of Client Certificate.

(3) Click "Save" and save the settings.

* If DICOM file could not be compressed, it will be uploaded to SonicDICOM PACS Cloud uncompressed.

* Regardless of whether the option is enabled or disabled in 2), DICOM file will be saved locally uncompressed.

* If you would like to upload the file compressed, be sure to specify the local location to store it in 1).