



Focalist Agent installation and configuration manual



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Prerequisites before installation

Choice of workstation

The FOCALIST collection agent is a software task that runs in the background to collect data from printers and transmit it to the FOCALIST server. It is therefore important to install it on a computer that will be in operation all the time, every working day of the year or more depending on the activity. Shutting down the computer where the agent is running will prevent any information being sent back during the shutdown period and therefore prevent the services associated with the contracted printing peripherals (consumables, maintenance) from being carried out correctly.

Access rights

The person installing the Agent software must know the computer's administration password.

Internet access

In order for the collection agent to be able to communicate with the FOCALIST server from the computer where it will be installed, check that the computer has permanent access to the FOCALIST server via the Internet and port 443 (HTTPS). During agent installation, port 80 (HTTP) should be open for a few minutes.

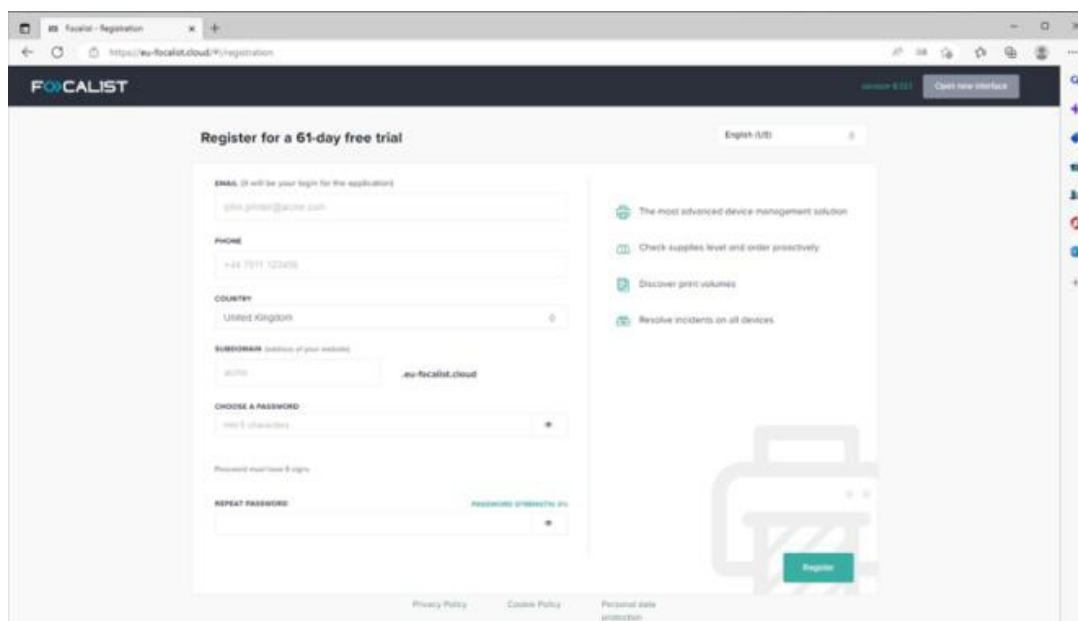
A quick way to check connectivity from the selected computer is to open an Internet browser (Safari, Chrome or Firefox) and access the following page:

<https://eu-focalist.cloud>

If access is successful, a page with a FOCALIST logo will be displayed like this one:

<https://eu-focalist.cloud>

If the access is correct, a page with a FOCALIST logo will be displayed like this one:



If the page cannot be found, your network administrator may have configured an Internet gateway (proxy) whose parameters you will need to obtain and enter during installation. It is also possible that a firewall has been configured with a list of authorised sites. In this case, you need to ask the administrator to open access to the *.eu-focalist.cloud domain.

In most cases, you can use the Quick Install instructions.

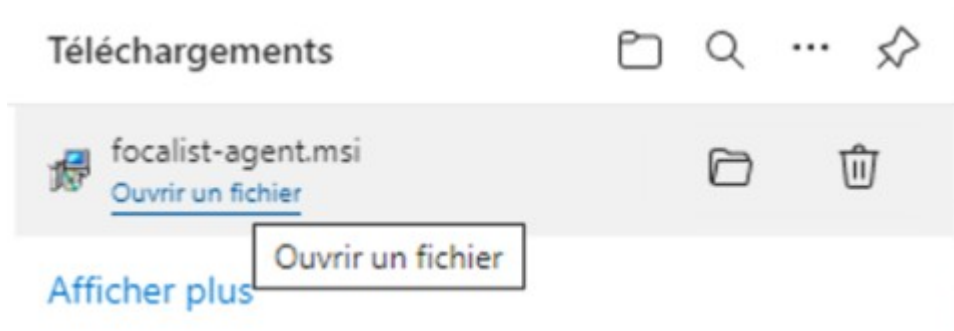
If you are using an Internet gateway, with restrictions on ports, or implementing remote access to the printer operator panel, follow the instructions in the Advanced Installation chapter.

Quick installation

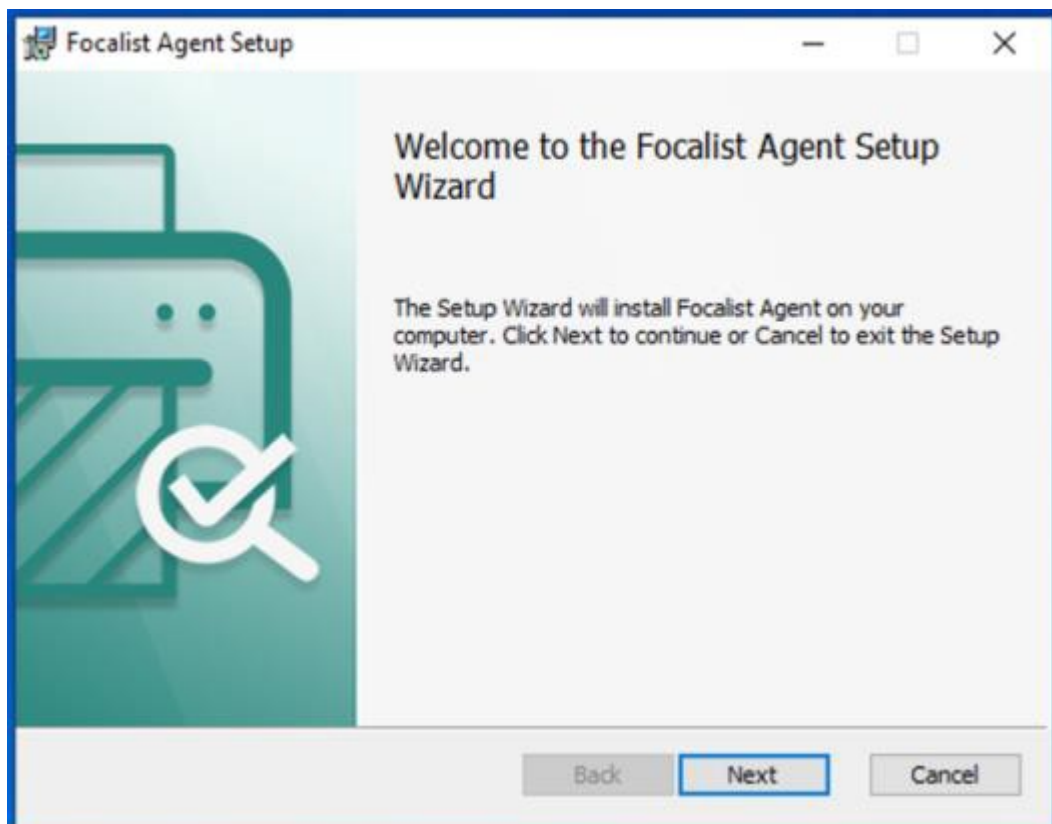
You have probably received an e-mail from your FOCALIST administrator telling you where to download the agent installation package and the unique code to use.

Click on the **Download for Windows** link.

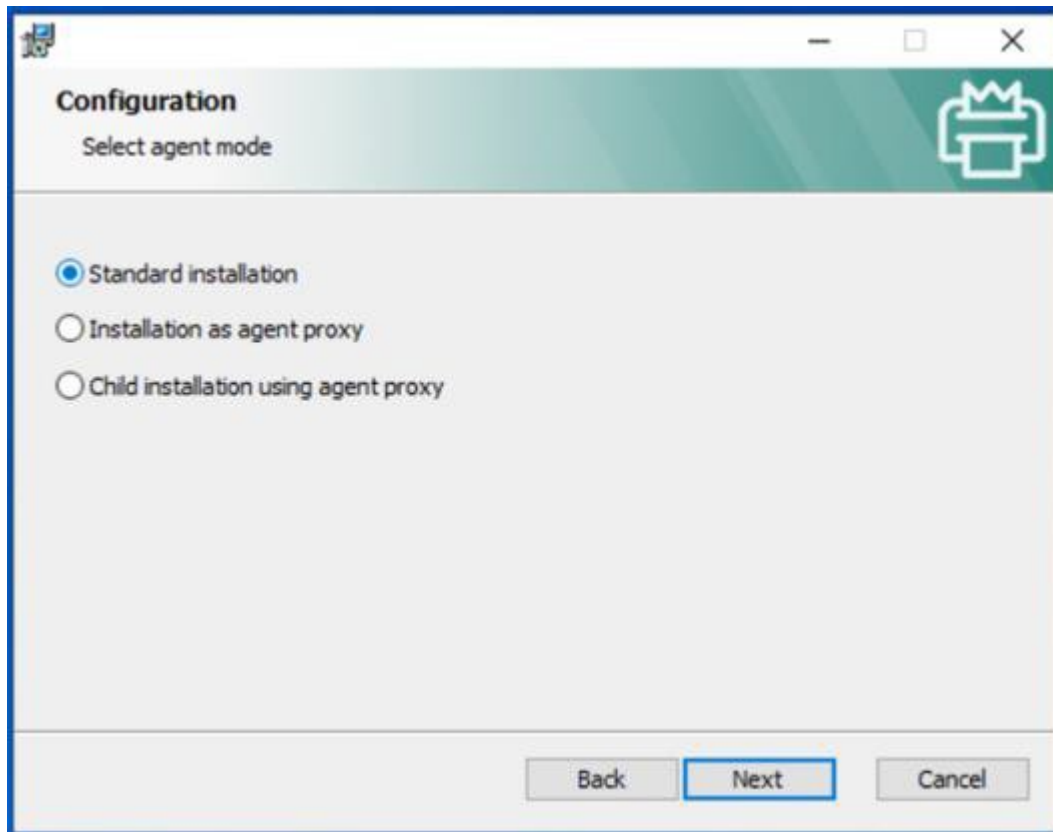
Locate where the installation file (focalist-agent.msi) has been downloaded. Start the installation by double-clicking Open file:



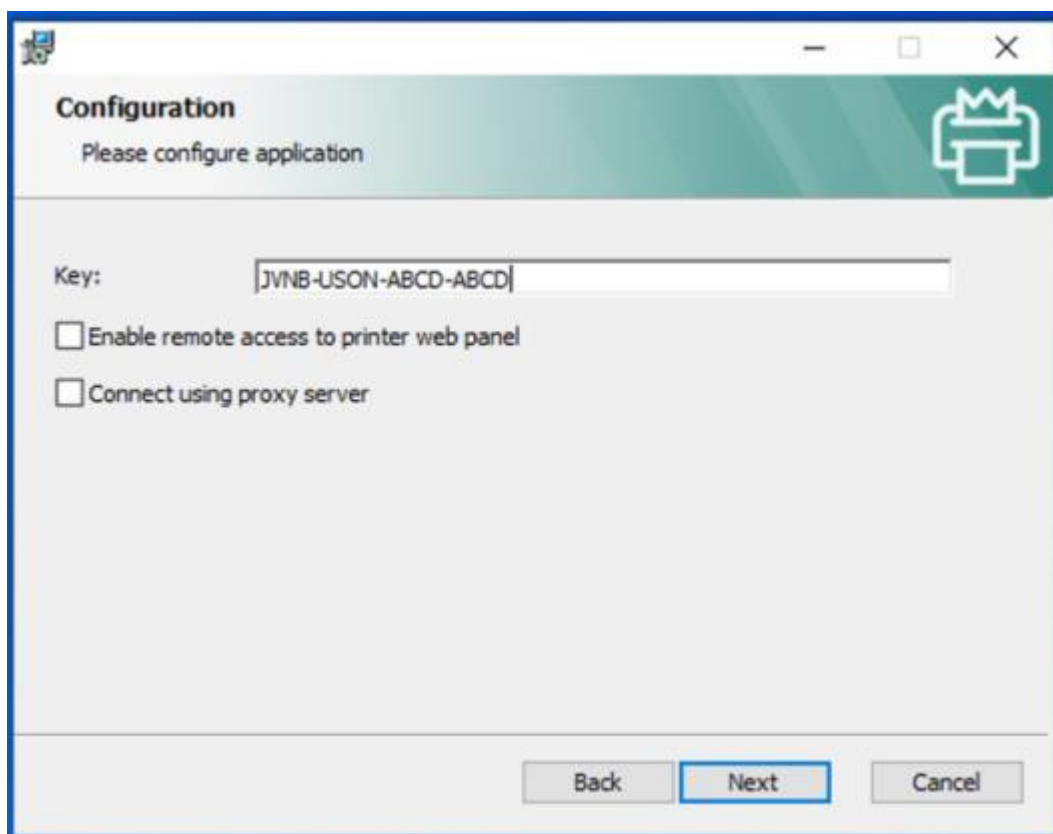
The agent installation starts:



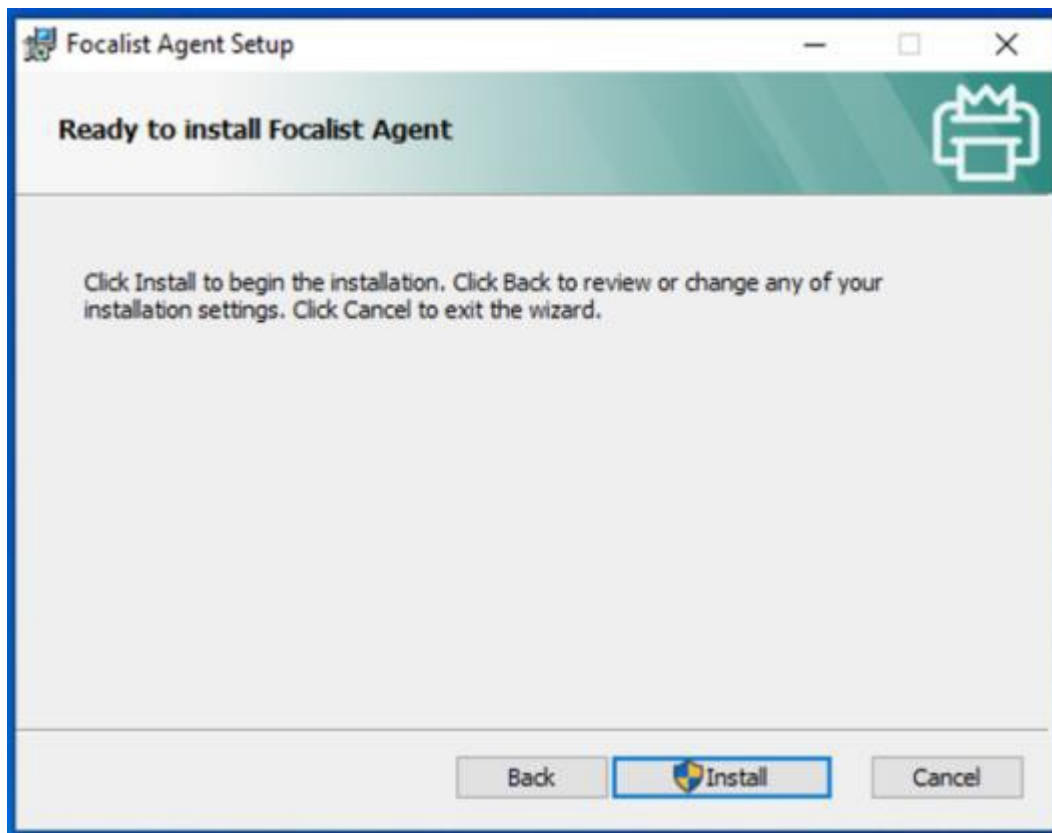
Click Next to move on to the next step, in which you select the first option Standard Installation for a conventional installation, then click Next:



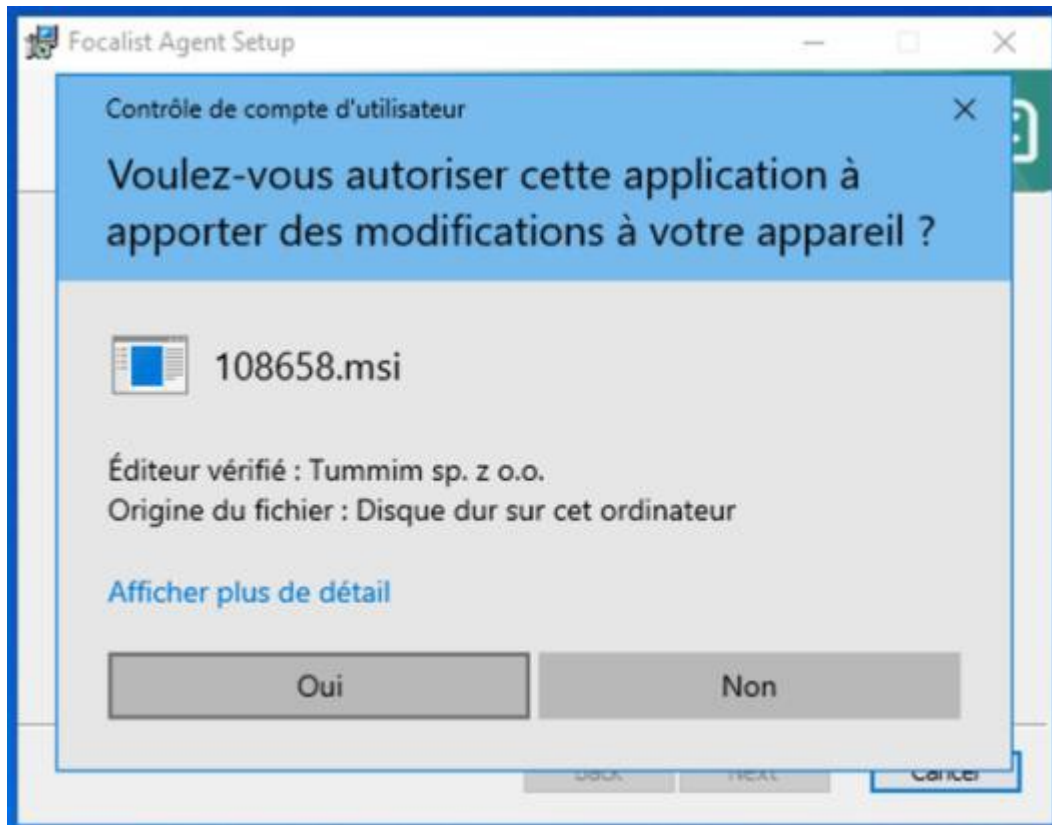
In the next step, enter the unique code you received by e-mail in the Key field:



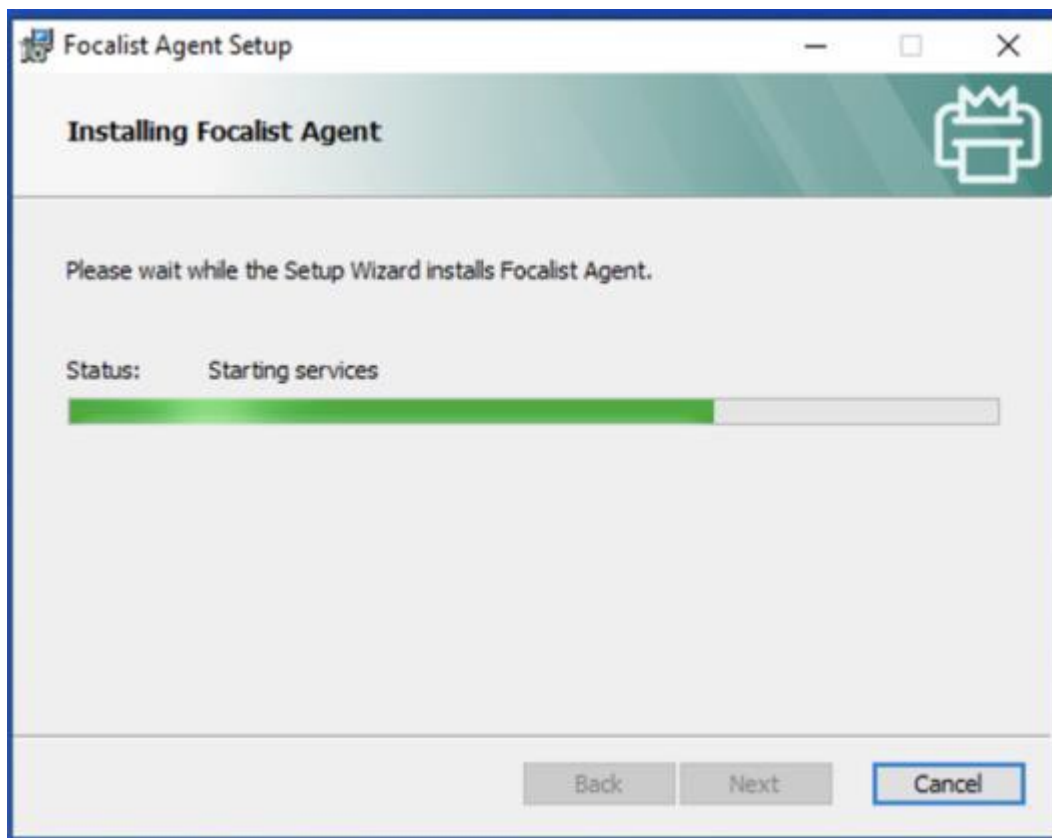
Leave the options unchecked and click Next. The installation is ready to start and requires administrator rights on the workstation:



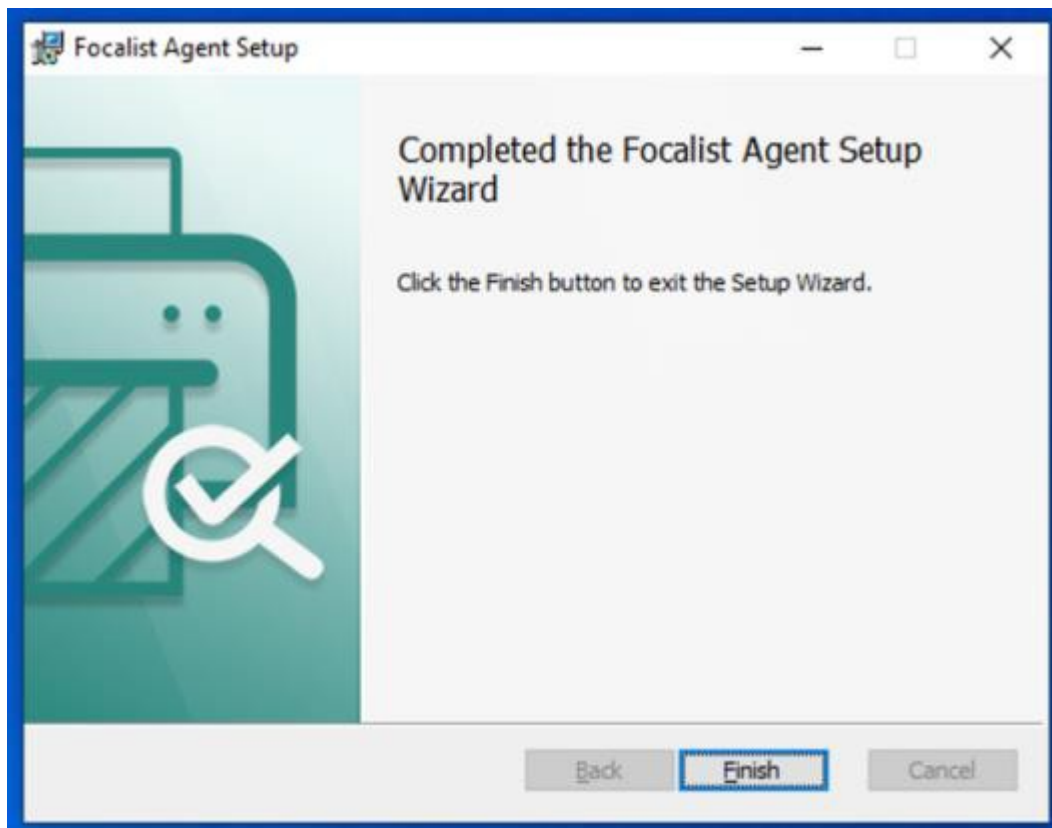
Click Install. If you do not have sufficient rights, you will be asked for the administration password. A confirmation message will be displayed by the system:



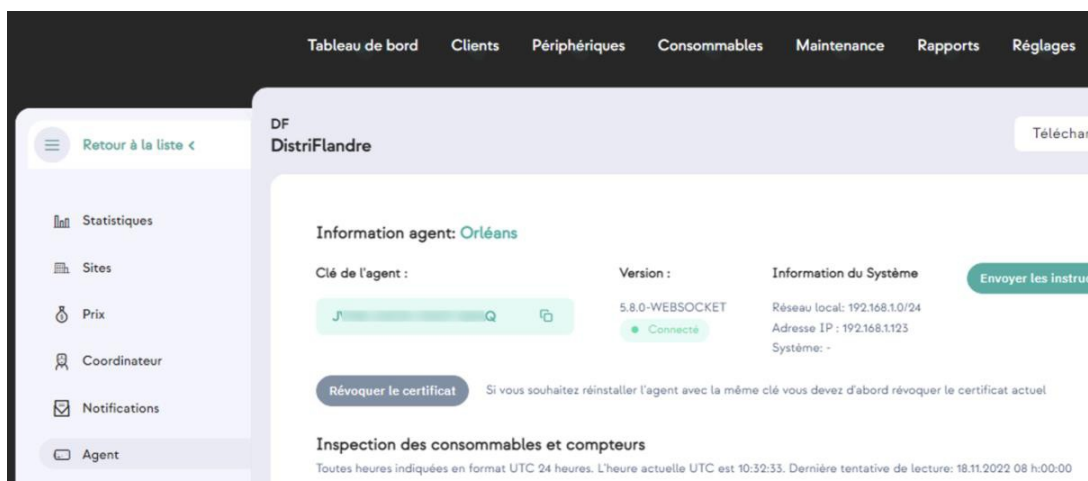
Click on Yes. The installation utility will then copy the files, configure the agent and start the service:



The installation ends with the following message:



On the portal, you can see that the agent has changed its status to Connected with the IP address of the workstation on which it is installed:



Congratulations! You have now completed the quick install procedure.

If the installation does not end with a successful message, or if the agent remains in New status, contact your Focalist administrator or consult the Troubleshooting chapter.

Advanced installation

Unique agent code

During installation, you will be asked to enter a unique code. This unique code is used to securely authenticate your collection agent on the FOCALIST server.

This code, in the form of a random sequence of characters (e.g. DLDQ-ESYH-LYXX-QHUW), has been generated in advance and must have been sent to you by email before installation. It can be found on the partner portal on the agent page corresponding to your installation under the heading Agent key:

Lors de l'installation la saisie d'un code unique vous sera demandée. Ce code unique permet d'authentifier votre agent de collecte de façon sécurisée sur le serveur FOCALIST.



By clicking on the Copy/Paste icon, you can retrieve it from the clipboard and send it by e-mail or message without any risk of error.

Downloading the installation package

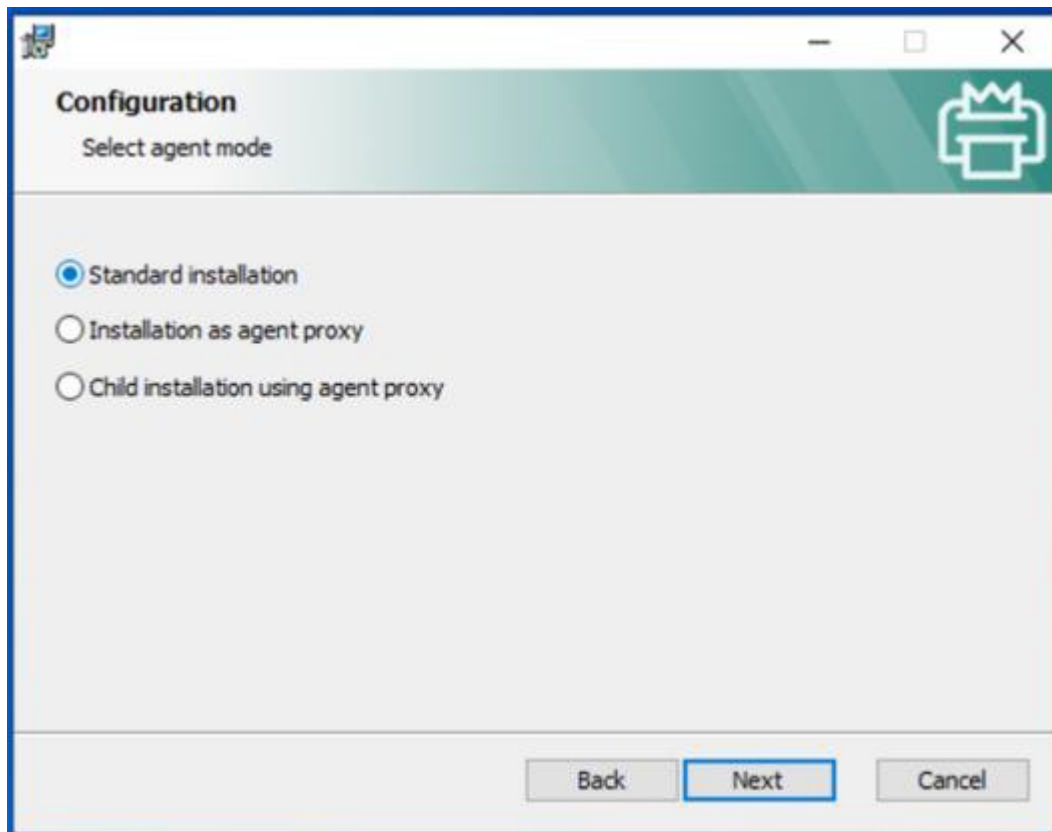
The latest version of the Network Agent for Windows installation package can be downloaded from this address:

<https://eu-focalist.cloud/downloads/focalist-agent.msi>

In general, the focalist-agent.msi file is downloaded to your browser's default directory, i.e. Downloads under your home directory.

Choosing the type of installation

Start the installation in the same way as the quick installation described in the previous chapter, and click Next. You will be presented with three installation options:



- Standard installation: this corresponds to a standard installation; the collection agent is connected directly to the FOCALIST server via the Internet.
- Installation as agent proxy: if several network collection agents are to be installed on the same local network, it is possible to install an agent with the additional function of a gateway (proxy), which will be connected to the Internet and will allow other agents not connected to the Internet to connect to the server via it.
- Child installation using proxy agent: this option will be used to install additional agents that will not have direct access to the server via the Internet, but will use the services of an agent on which the gateway service is activated and which has direct access to the server via the Internet.

This agent gateway function dedicated to FOCALIST should not be confused with the standard use of an Internet gateway for all Internet access, which is discussed below. If you are simply using a standard Internet gateway, choose the first option, Standard installation. You will be asked for details of this gateway in the next step.

Installation options

Unique code

In the Key field, copy the unique code you received from your FOCALIST administrator by e-mail or message:



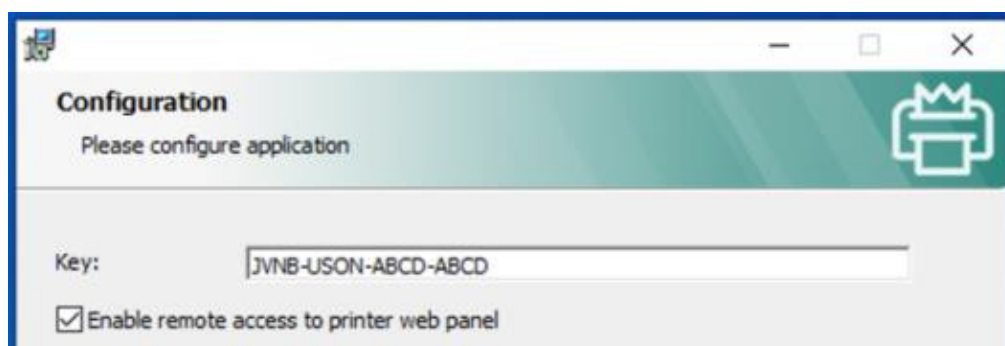
This unique code is specific to each agent. Do not reuse a unique code that you have already received for the installation of another agent. If you need to reinstall an existing agent, follow the instructions in the Reinstalling an agent chapter.

Remote access to printer website

Since version 5 of the agent, FOCALIST has included a function that allows the website of managed printers to be opened from the corresponding printer page in FOCALIST. This function is very useful when the service provider has to provide support or troubleshooting for the end customer, but does not have the skills on site.

The FOCALIST agent then acts as a relay and enables the printer's embedded website to be consulted. This function can be implemented if all the following conditions have been met:

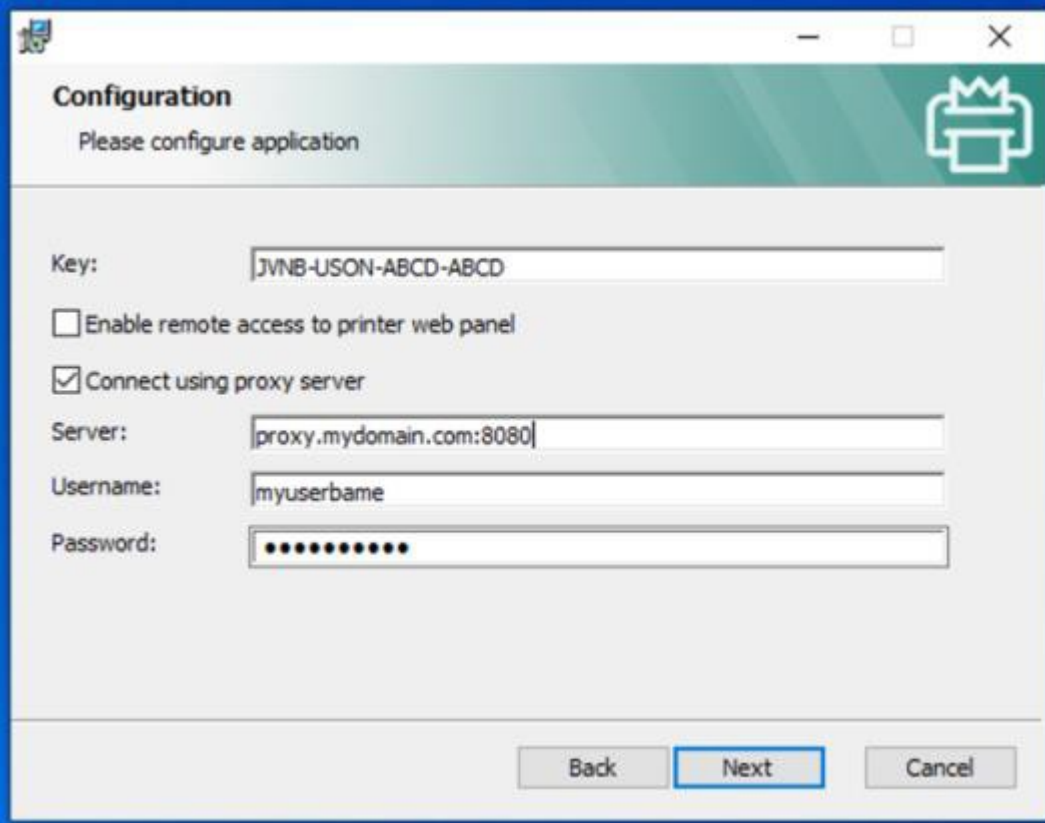
1. the customer has agreed to allow the outsourcing provider to consult the web pages of the printers monitored by FOCALIST
2. the functionality has been activated by the Doxense administrator for this service provider,
3. the collection agent has been installed by checking the Enable remote access to printer web panel option
4. HTTP communication is open between the collection agent and the printers This option must therefore be ticked at this stage to benefit from this functionality:



Once the agent has been installed with this option, clicking on the printer's IP address on the page of printers managed by this agent will open the printer's internal web page.

Use of an Internet gateway

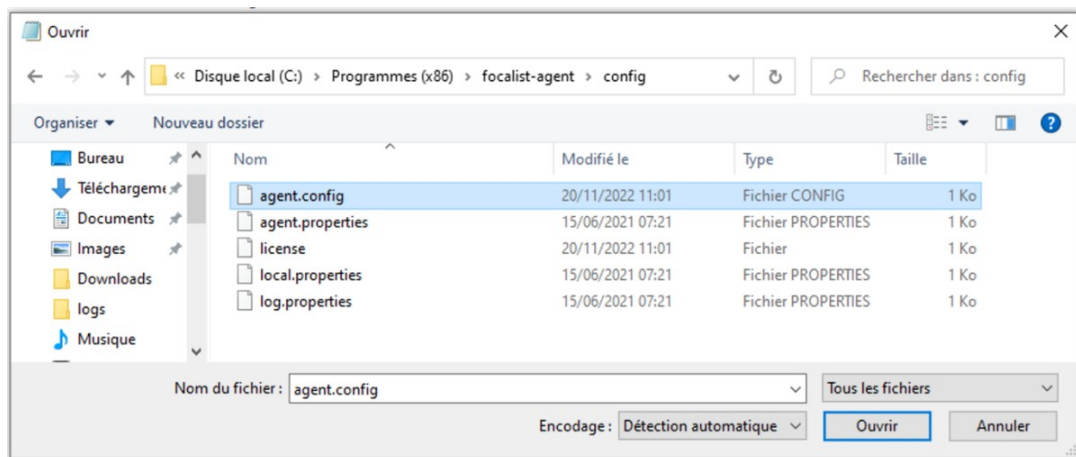
For some customers, access to external Internet sites is controlled by a gateway (proxy) which may require the user to authenticate before being able to access external sites. In this case, you need to provide a few additional parameters so that the collection agent can communicate with the FOCALIST server. By checking the Connect using proxy server option, additional fields must be filled in to enable communication:

The image shows a 'Configuration' window with a green header bar. Below the header, it says 'Please configure application'. There is a printer icon in the top right corner. The main area contains several fields: 'Key:' with the value 'JVNB-USON-ABCD-ABCD', a checkbox for 'Enable remote access to printer web panel' which is unchecked, a checkbox for 'Connect using proxy server' which is checked, 'Server:' with the value 'proxy.mydomain.com:8080', 'Username:' with the value 'myuserbame', and 'Password:' with a masked password of ten dots. At the bottom, there are three buttons: 'Back', 'Next' (which is highlighted with a blue border), and 'Cancel'.

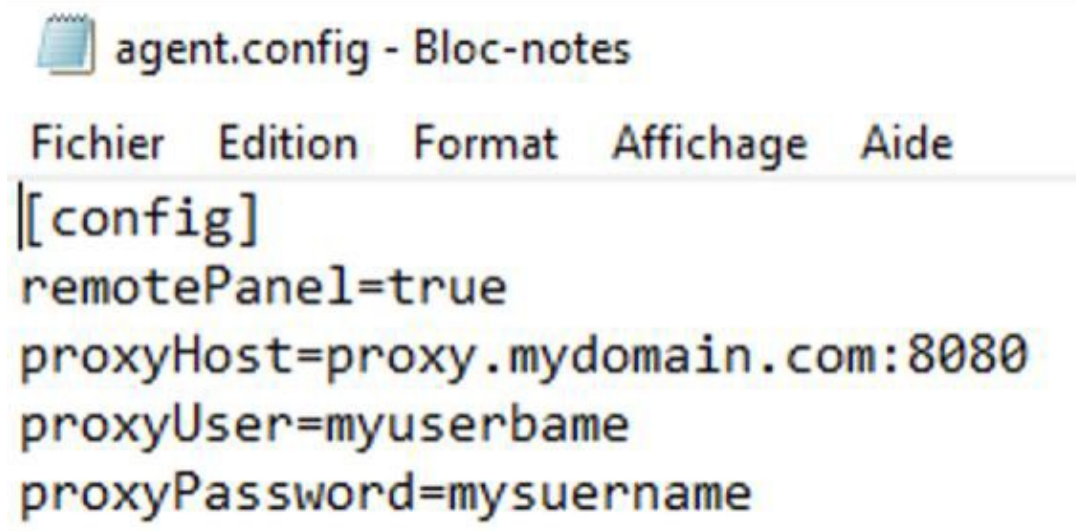
- Server: this is the URL or IP address of the gateway, possibly followed by the port to be used after:
- Username: if the gateway requires identification, this is the username to be used for the connection,
- Password: if identification is required, this is the password for the username used.

If the Internet gateway relies on the workstation being registered in the Active Directory, it may refuse the connection because the agent runs by default on a local system account unknown to the gateway. In this case, configure the agent service so that it runs from an account known in the Active Directory directory. See Using a service account.

Information concerning the configuration of the Internet gateway will be stored at the end of the installation in a file named `agent.config` located in the `config` sub-directory:



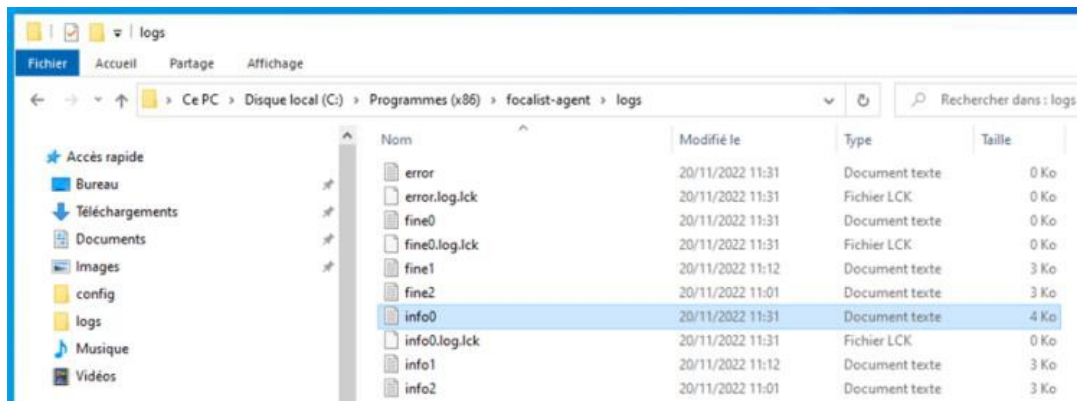
If the gateway settings need to be changed, this file can be edited and the service restarted.



Installation validation

Once the agent service has been installed, it will connect to the FOCALIST server to exchange a certificate, then switch to secure HTTPS mode. Depending on the agent creation options, the agent can automatically start searching for print devices on the subnet to which it is connected.

Service activity is recorded in log files located in the logs sub-directory. There are several files, depending on the level of detail required. Each time the service is started, the previous logs are renamed and the index number is incremented. The most recent logs are therefore suffixed with 0 :



To check that the installation is complete, open the info0.log file with Notepad. You will find the following typical sequence of events:

INFO: Logger configured.

INFO: Connector Agent version: pryncity-connector-agent-backend:5.8.0 INFO: Downloading certificates for key: JVNBUSONABCDABCD

INFO: Removing key file

INFO: Local network addresses: [192.168.1.0/24]

...

INFO: Finished bootstrap of Pryncity Connector Agent. INFO: Trying to connect

INFO: Connecting to: wss://cc.eu-focalist.cloud/connector/v1 INFO: Successfully connected

INFO: Received task: 21947213: TaskTypeReference{name='DISCOVER'}

If the log file includes errors, see the Troubleshooting chapter.