



Instructions for the installation of NEXT-BIM modules

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1. First start of your HoloLens

When you turn on your HoloLens for the first time, you are guided through setting up your device, logging in with a user account, and calibrating HoloLens for your eyes. This section describes the initial setup of the HoloLens 2 device.

Configure your HoloLens and Set up an account :

<https://learn.microsoft.com/fr-fr/hololens/hololens2-start>

Via the link below, learn about the manipulations in HoloLens :

<https://learn.microsoft.com/fr-fr/hololens/hololens2-basic-usage>

2. Installation instructions for NEXT-BIM Configurator and NEXT-BIM Explorer

A. Installing NEXT-BIM Configurator

Simply copy the downloaded folder to your PC which will be used to configure/convert the IFC files. There is no installation to be done and no protection license for this module (it can be used on several PCs).

Go to the NEXT-BIM GitHub page: NEXT-BIM (github.com) : [NEXT-BIM \(github.com\)](https://github.com/NEXT-BIM)

Go to the "Release" tab:



https://github.com/NEXT-BIM

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Popular repositories

next-bim-releases Public
Official NEXT-BIM releases

vcpkg Public
Forked from microsoft/vcpkg
C++ Library Manager for Windows, Linux, and MacOS
CMake

View as: Public

You are viewing the README and repositories as a public user.

You can create a README file visible to anyone.

People



Top languages

C++ CMake

Repositories

Find a repository... Type Language Sort New

vcpkg Public
C++ Library Manager for Windows, Linux, and MacOS
CMake 0 stars 4,907 forks 0 updates Updated on Oct 7

next-bim-releases Public
Official NEXT-BIM releases
0 stars 0 forks 0 updates Updated on Sep 21

https://github.com/NEXT-BIM/next-bim-releases

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main 1 branch 3 tags Go to file Add file Code

antoine-fresse v2022.2.1	e18e343 on Sep 21	5 commits
doc	v2022.2.1	2 months ago
.gitignore	Initial commit	8 months ago
README.md	Fixed line break	8 months ago

README.md

Official NEXT-BIM Releases

The latest official releases for our products are available under the [releases](#) tab

Our products require a valid license to be used. Visit [our website](#) for more information.

Available docs

- [Manuel d'utilisation du Configurator \(fr\)](#)

About

Official NEXT-BIM releases

- Readme
- 0 stars
- 1 watching
- 0 forks

Releases 3

2022.2.1 Latest
Sep 21

+ 2 releases

Packages

No packages published

Click on the latest available release.



Download the file " NEXT-BIM Configurator.zip ".

▼ Assets 6

Microsoft.VCLibs.ARM64.14.00.appx	1.49 MB	Sep 22
Next-BIM_Configurator_2022.2.1.zip	16.6 MB	Sep 28
Next-BIM_Explorer_2022.2.1.msixbundle	60.3 MB	Sep 21
Next-BIM_Explorer_2022.2.1_separate_install.msixbundle	60.3 MB	Sep 21
Source code (zip)		Sep 21
Source code (tar.gz)		Sep 21

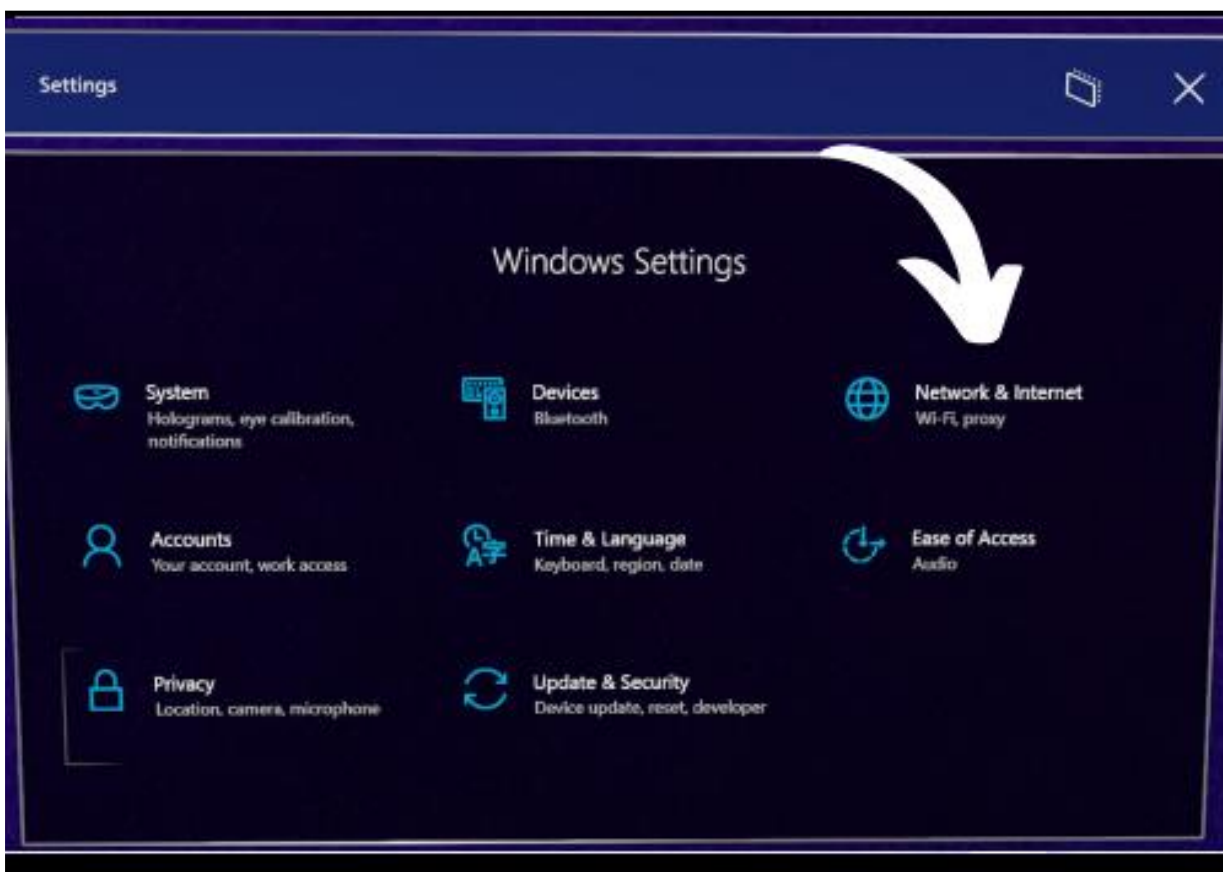


If the installation fails, it is probably a missing DLL package on your computer.
The file is available at the same location as the NEXT-BIM Configurator file on our GitHub page.

B. Setting up your HoloLens 2

1. Connect the HoloLens to the internet

Windows Menu > Windows Settings > Network & Internet (Wi-Fi)

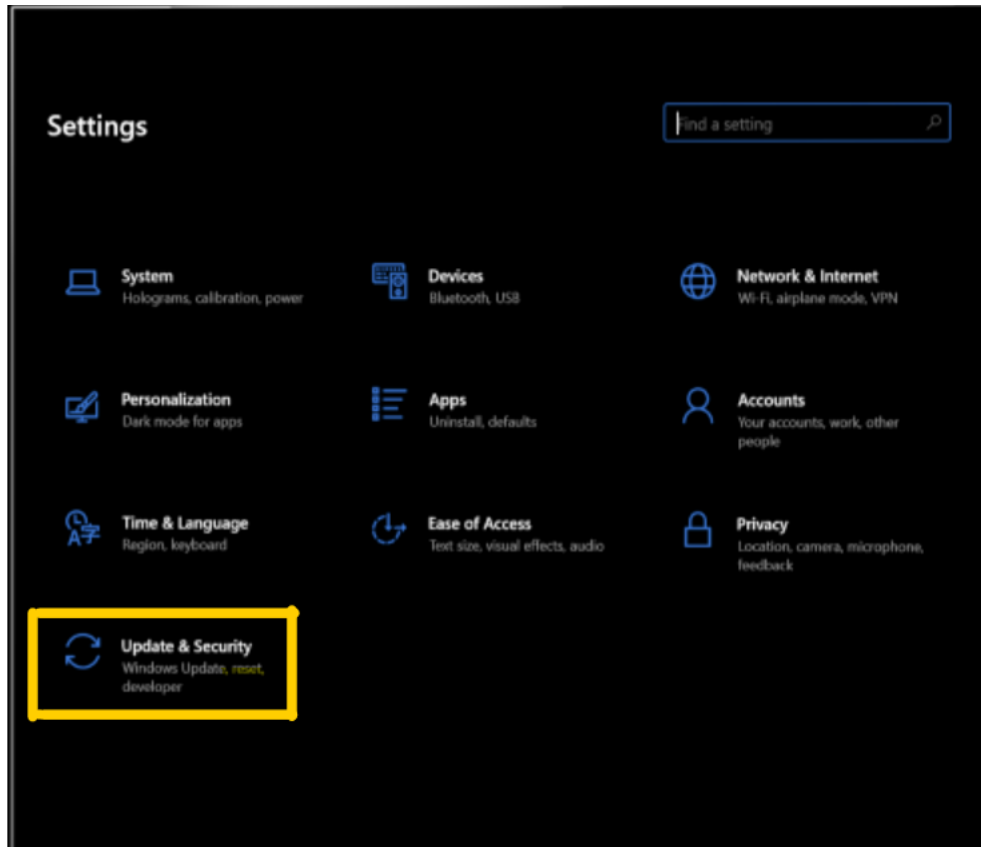




Connect your HoloLens to the same Wi-Fi network as your computer.

2. Update the HoloLens OS if necessary

Settings>Update & Security>Windows Update





3. Put the HoloLens in Wifi network with the PC

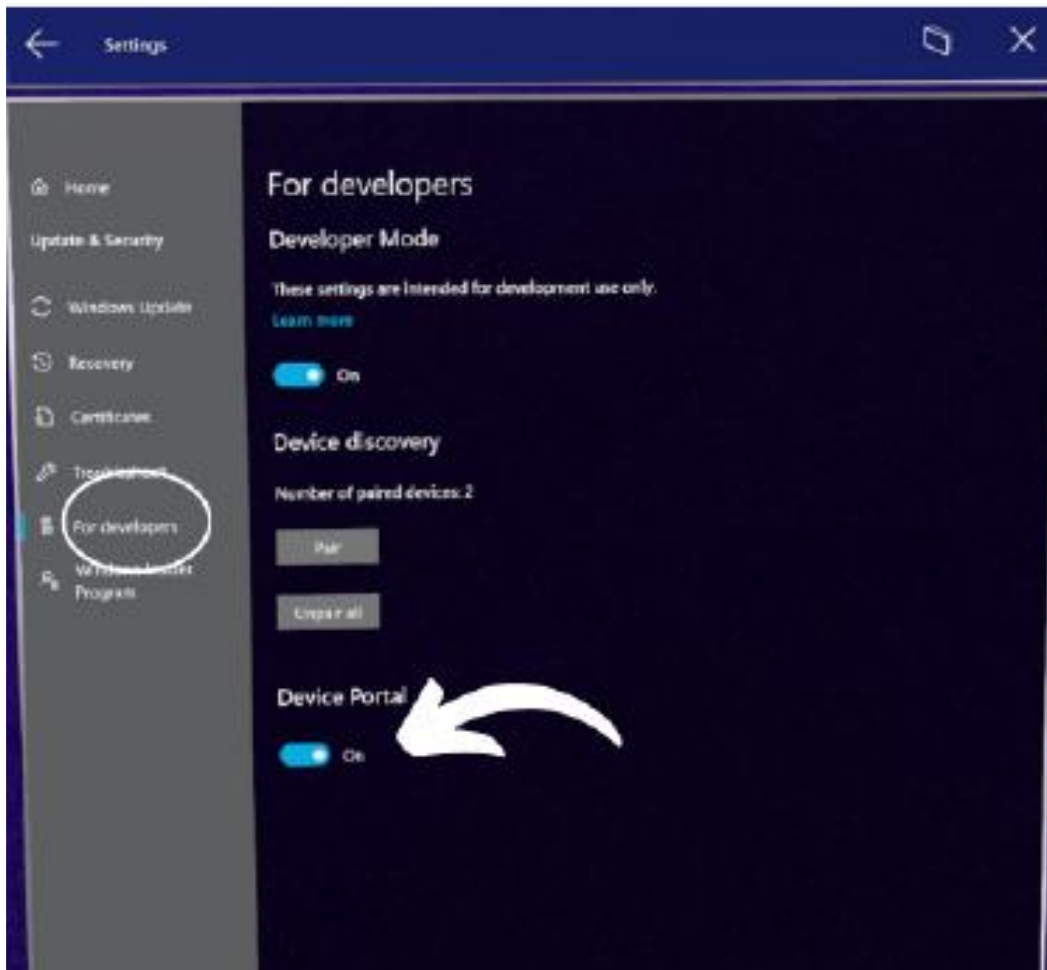
Settings>Network & Internet>Wi-Fi

Select the Wi-Fi network and enter the Wi-Fi access key.



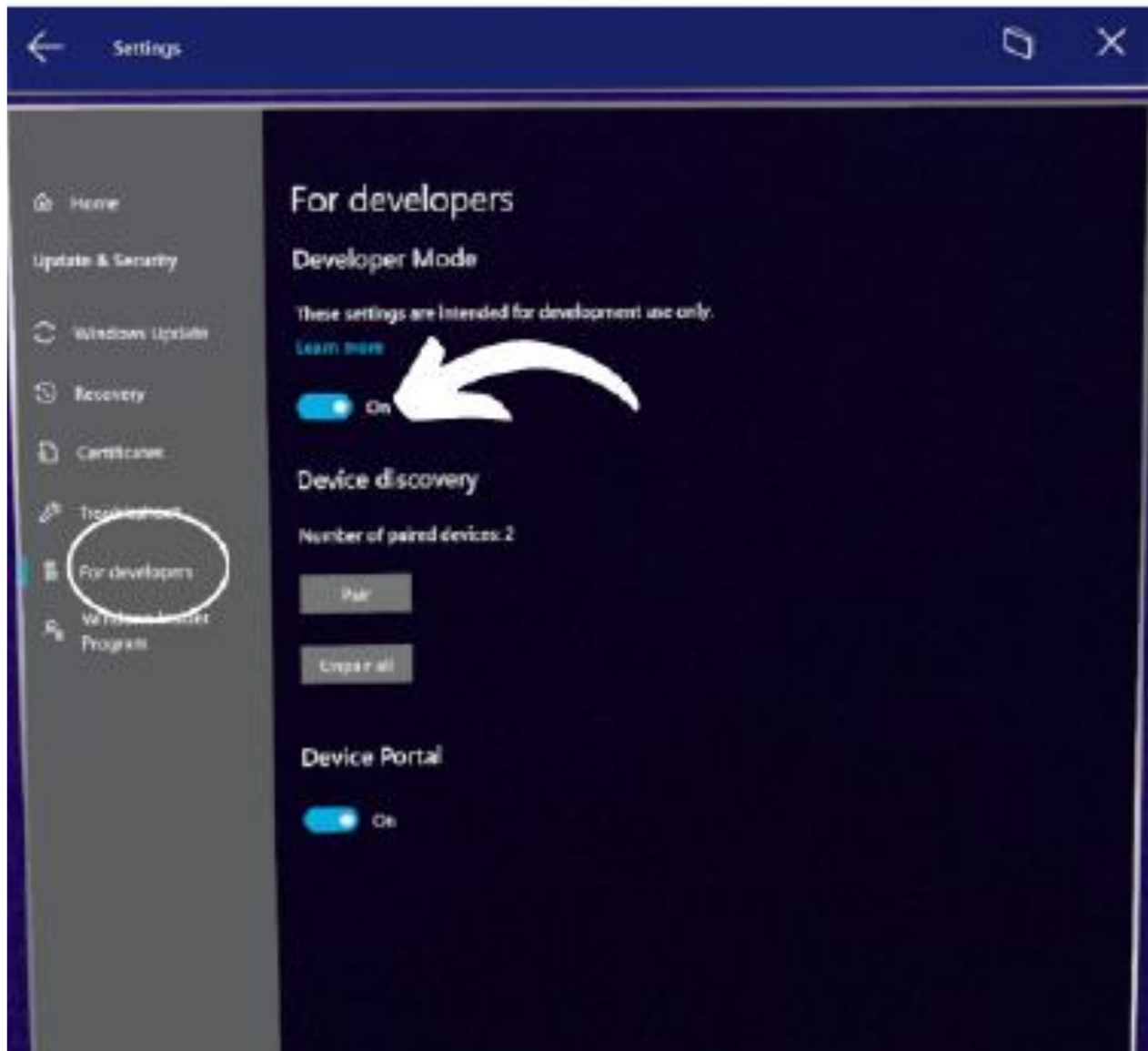
4. Allow HoloLens to access the Microsoft web portal

Settings>Update&Security>For developers>Device Portal>On



5. Allow developer mode on the HoloLens (allows you to install applications locally without going through the store)

Settings>Update&Security>For developers>On



6. Access the Microsoft HoloLens portal

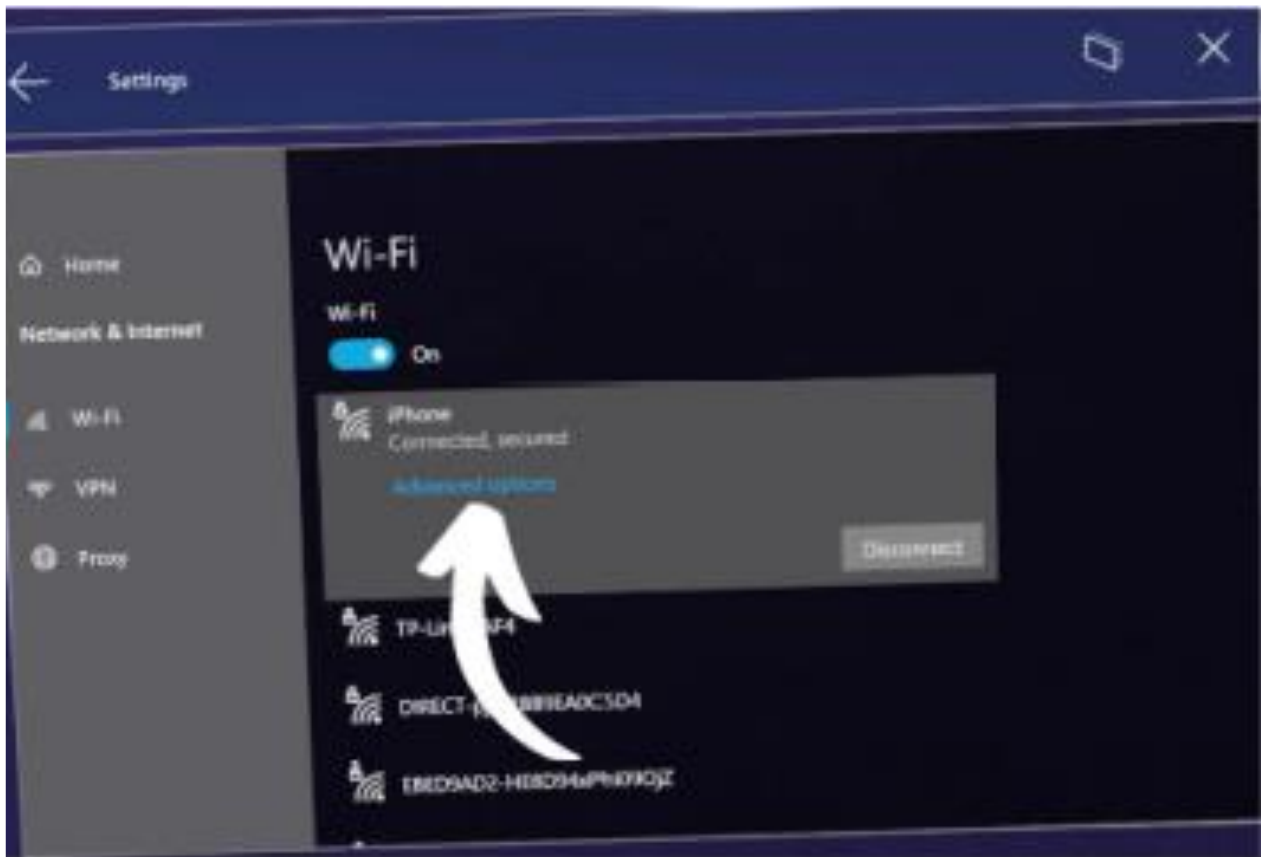
- a. Retrieve the V4 IP address of the HoloLens
Settings/Network & Internet/Wi-Fi

Use the HoloLens voice command "What is my IP? The IP will be displayed in your Holographic vision.

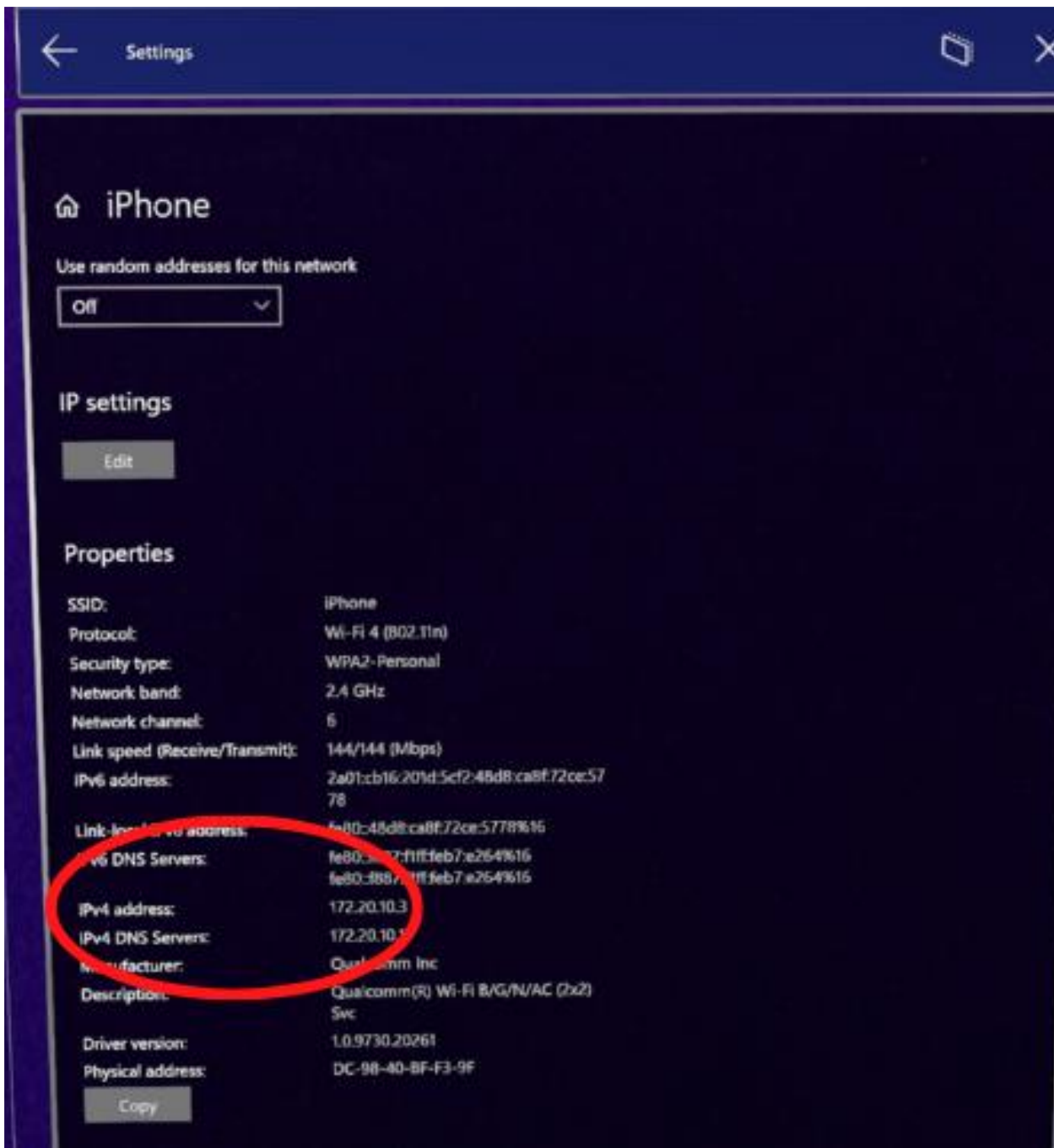
OR



Select the Wi-Fi network to which your two devices are connected (HoloLens / PC)

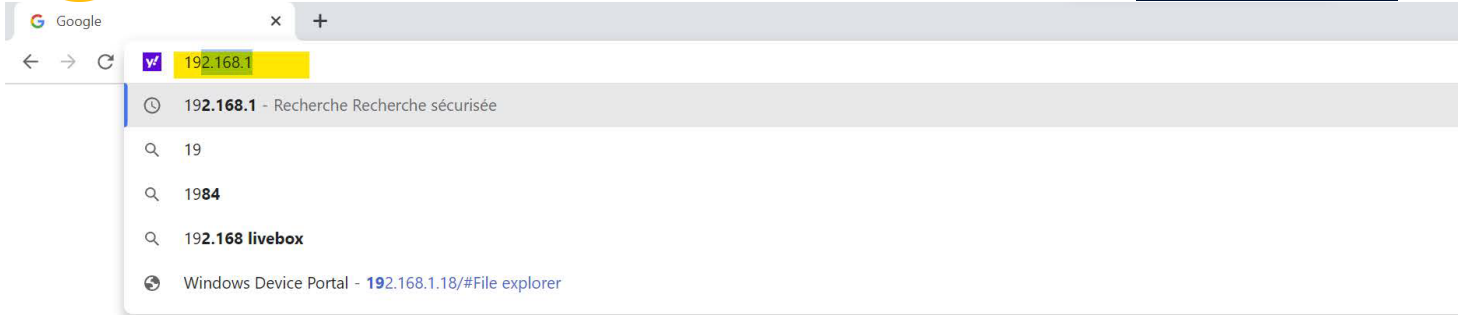


Click on "Advanced Options" and note the V4 IP address displayed at the bottom of the page (scroll down the page)



- b. Enter the V4 IP address in a web browser (Chrome, Mozilla).

Go through the security alerts and enter the login and password that were set up when you first connected to the Windows portal.



Non sécurisé | <https://192.20.10.3>

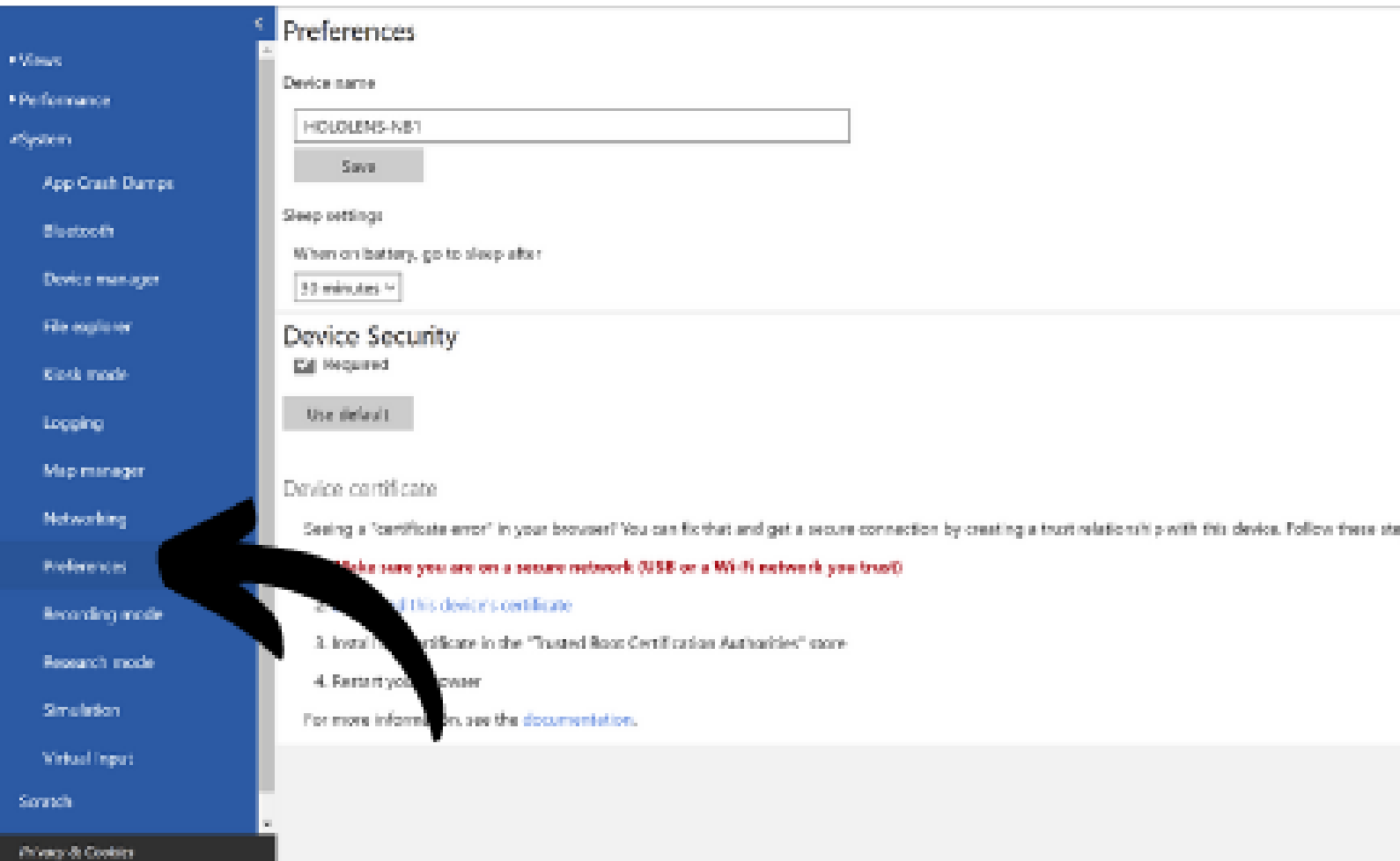


We recommend that you use Google Chrome or Mozilla Firefox to use the Windows portal. Otherwise, you will need to install a certificate in the browser settings.

Once logged into the Windows Device Portal, enter the Holographic code displayed in the HoloLens. Then, define a username and a password.
PS: note your username and password

7. Set the HoloLens pause time (not required, but highly recommended)

System>Preferences>Sleep settings (both settings are initially set to 3 minutes, we recommend setting them to the maximum duration which is 30 minutes).



8. Settings Option (not required, but highly recommended)

Eye calibration 'No' (avoids systematically launching the calibration when a new person uses the helmet)

Sign-in option ' Never (no pin to enter at startup, nor after each pause)



C. Installing NEXT-BIM Explorer

ATTENTION :

- Once the file "Next-BIM_Explorer_XXXX.X.X.msixbundle" has been downloaded to your PC, you must import the file into your HoloLens. It is normal that the file does not open on your PC.
- Do not change the name of the HoloLens once you have received your license file. In case you change the name of the HoloLens, you will have to regenerate your "ask license" file to provide you with your new license.
- Note your CDM and username

1) Connect to the Windows Device Portal

To go to the Windows Device Portal (CF step B - 6A above, photos available), connect your computer and your headset on the same Wi-Fi network. Then using the HoloLens voice command, say "What is my IP" or "What is my IP? Your IP will be displayed in the Holographic Vision
Finally, enter the IP address in a web search bar and go through the security steps.

2) Install NEXT-BIM Explorer

Menu on the left side of the Window portal (via IP), Views>Apps>Local storage>Choose a file



- Views
 - Home
 - 3D View
 - Apps
 - Hologram Stability
 - Mixed Reality Capture
- Performance
 - Performance Tracing
 - Processes
 - System Performance
- System
 - Scratch
 - OpenXR

Deploy apps

Local Storage Network Install Certificate

Select the application package

Choisir un fichier Aucun fichier choisi

Allow me to select optional packages

Allow me to select framework packages

Install

Running apps

Pause updates Refresh apps

	Process Name	Package Name	CPU	Pr
×	backgroundTaskHost.exe	OpenXR for Windows Mixed Real...	0.00%	1.
×	HoloShellApp.exe	Windows Mixed Reality	0.00%	1.
×	ShellCommonExperienceHost.exe	Windows ShellCommon Experien...	0.00%	5.
×	RuntimeBroker.exe	Windows ShellCommon Experien...	0.00%	9.
×	HoloCameraApp.exe	Mixed Reality Camera	0.00%	1.
×	RuntimeBroker.exe	Windows Mixed Reality	0.00%	1.
×	RuntimeBroker.exe	Mixed Reality Camera	0.00%	1.



Windows Device Portal x +

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Apps - Windows Device Portal

Deploy apps

Local Storage Network Install Certificate

Select the application package

Choisir un fichier [un fichier choisi]

Allow me to select optional packages

Allow me to select framework packages

Install

Running apps

Pause updates Refresh apps

	Process Name	Package Name	CPU	Pr
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×	HoloShellApp.exe	Windows Mixed Reality	0.00%	1.
×	ShellCommonExperienceHost.exe	Windows ShellCommon Experien...	0.00%	5.
×	RuntimeBroker.exe	Windows ShellCommon Experien...	0.00%	90
×	HoloCameraApp.exe	Mixed Reality Camera	0.00%	1.
×	RuntimeBroker.exe	Windows Mixed Reality	0.00%	1.
×	RuntimeBroker.exe	Mixed Reality Camera	0.00%	1.

Browse your PC's file explorer via the "Choose a file" button.

Select and import the file NEXT-BIM_Explorer_XXX.msi.xbundle.



Windows Device Portal x +

Non sécurisé | <https://172.20.10.3/#Apps>

Apps - Windows Device Portal

Deploy apps

Local Storage Network Install Certificate

Select the application package

Choisir un fichier Aucun fichier choisi

Allow me to select optional packages

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Running apps

Pause updates Refresh apps

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×	RuntimeBroker.exe	Windows ShellCommon Experien...	0.00%	90
×	HoloCameraApp.exe	Mixed Reality Camera	0.00%	1;
×	RuntimeBroker.exe	Windows Mixed Reality	0.00%	1.
×	RuntimeBroker.exe	Mixed Reality Camera	0.00%	1.

Once imported, click on "Install", then click on "Done" once the installation process is complete.



3) Install the NEXT-BIM Explorer license

- 1) Turn on your HoloLens
- 2) Go to all applications in the Windows menu
- 3) Pin NEXT-BIM Explorer to the home menu: hold down the software icon and choose "pin".
- 4) Start NEXT-BIM Explorer on the HoloLens by clicking on the NEXT-BIM shortcut icon or by selecting NEXT-BIM Explorer from the list of apps.
- 5) At the first launch, the system asks the question to allow the use of the microphone for the application. Answer "Yes" to be able to use the voice command. As well as a presentation of the conditions of use.
- 6) Then, a menu with two buttons appears: "import the licence" or "generate the "asklicense" file"
- 7) The button "Generate the license request file" will generate a file "HOLOLENS-XXXX_AskLicense" in the Documents folder of the HoloLens to be sent to us by e-mail.
- 8) Retrieve the _Asklicence file in the Windows portal, "System" menu, "file explorer" tab or by connecting your HoloLens to the PC via the USB device.
- 9) Send the "AskLicense" file to your sales consultant
- 10) In return, you will receive a file HOLOLENS-XXXX_License to copy in the same folder Documents of the HoloLens via the Windows portal.
- 11) Finally, with the "Import license" button, you will be able to activate the license by selecting the previous file in the Documents directory..

Note: The expiry date of the license can be accessed at any time by selecting "About" in the first circular menu that appears when launching NEXT-BIM Explorer. Notifications will be displayed when NEXT-BIM Explorer is started before the end of the licence validity.

Launch NEXT-BIM Explorer and you can start enjoying the NEXT-BIM experience right away.

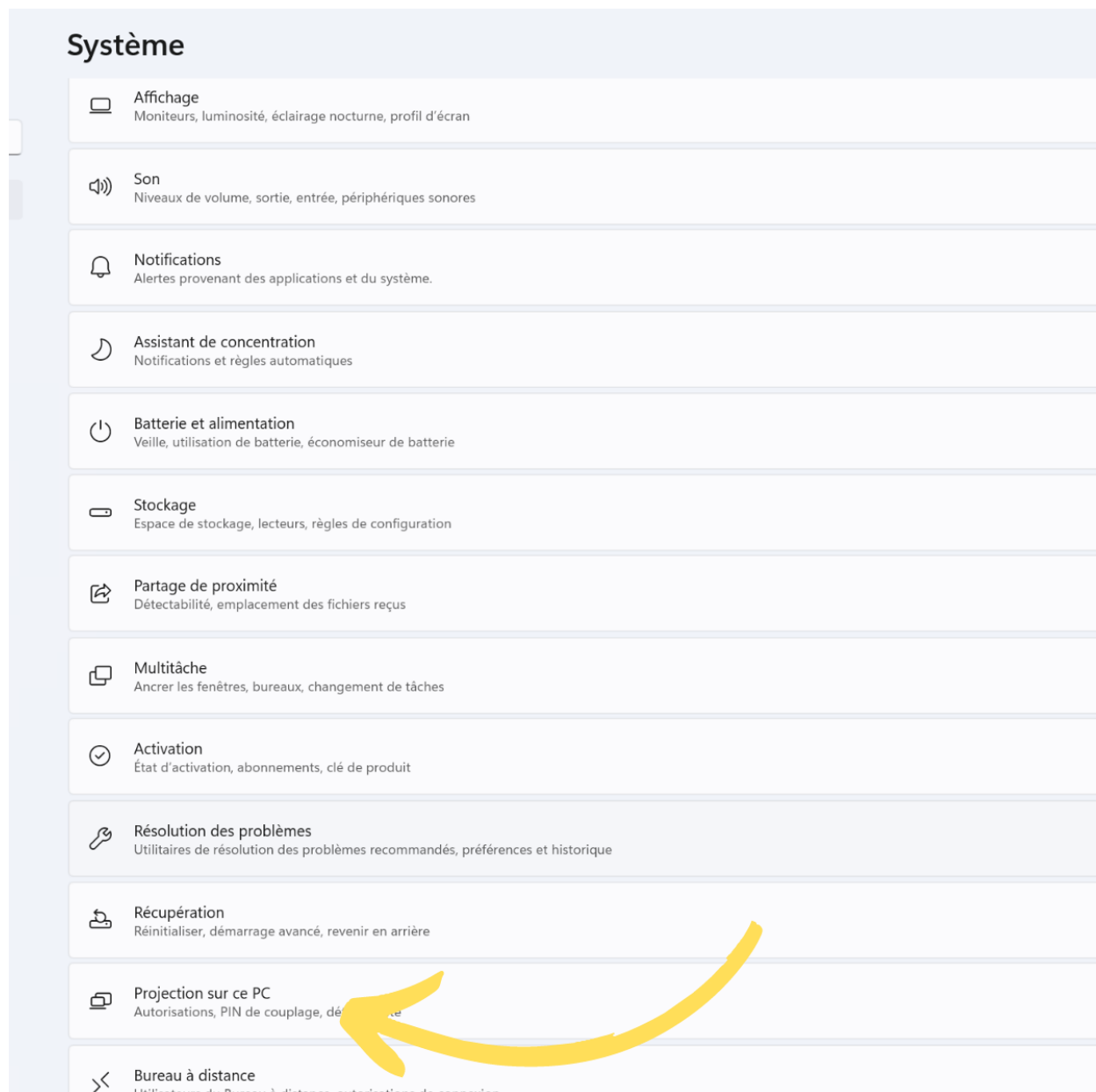


3. Screen mirroring and projection on your PC or tablet

Windows 11 / Windows 10

If you want to project HoloLens content onto a Windows PC or Windows tablet, you can use screen mirroring. Note that you need a device that supports Miracast. To mirror the HoloLens to a smart TV, tablet, or PC:

1. Select Start > Settings > System > Project to this PC



2. Under Add the optional "Wireless Display" feature to project this PC, select Optional Feature.



3. Next to Add optional feature, select Show features, then enter 'Wireless display'. Select the box next to Wireless Display in the list of results, select Next, then select Install.
4. Once "Wireless Display" is installed, select Back to manage your projection preferences on the Projection on this PC page in Settings.
5. On the PC/tablet you wish to project on, launch the Connect application by entering "Connect Application" in the search box of the taskbar and then selecting Connect in the list of results or launch the "connect" application.

Système > Projection sur ce PC

Projetez votre téléphone ou votre PC Windows sur cet écran et utilisez son clavier, sa souris, ainsi que d'autres appareils.

Lancer l'application Connect pour projeter sur ce PC

Certains appareils Windows et Android peuvent projeter sur ce PC si vous donnez votre accord

Disponible partout

Demander à projeter sur ce PC

Chaque fois qu'une connexion est demandée

Demander le code PIN pour le couplage

Jamais

Ce PC ne peut être découvert pour la projection que lorsqu'il est branché sur une source d'alimentation

Désactivé

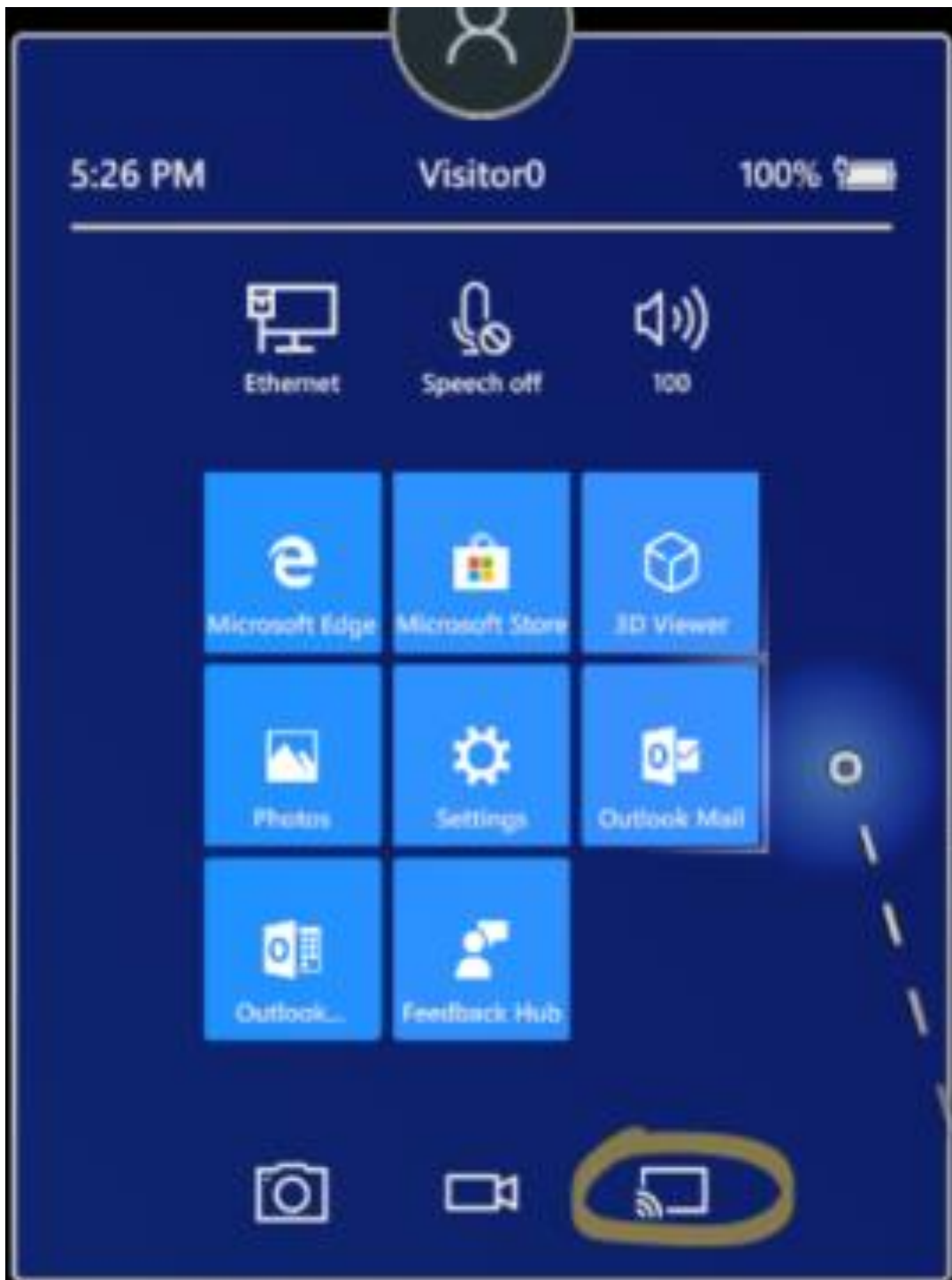
Nom du PC NEXT-BIM

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6. . On the HoloLens, open the Windows menu and click on the icon at the bottom right :



Then select the name of the device on which you have launched the "Connect" application.