



LANGUAGE

English

SOFTWARE

# BTI SCAN 4

**QUICK GUIDE**

Planning for dental implantology



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## 1 MINIMUM SYSTEM REQUIREMENTS TO INSTALL BTI SCAN 4

### Operating system

<b>Client</b> (Network installation)/Single station	Windows 10 Professional x64 (64 bits) Windows 11 Professional x64 (64 bits)
<b>Server</b> (Network installation)	Windows 2012 R2 standard server x64 (64 bits)



Data processing and pre-surgical dental planning from the server is not recommended. The server must only be used to act as a server as such and for the storage of studies in a networked installation. Data integrity could be compromised.

### CPU

<b>Minimum</b>	Intel Core i5
<b>Recommended</b>	Intel Core i7 or higher

### RAM

<b>Minimum</b>	8 GB
<b>Recommended</b>	16 GB

### Graphics card

<b>Minimum</b>	Dedicated graphics card, not integrated in the motherboard, compatible with OpenGL.
<b>Recommended</b>	Nvidia or better with support for OpenGL 2.0.

### Screen

*The following are requirements for computers on which the study plan is to be made. For hardware that is going to act as Server (and is only going to be used to host studies) any type of monitor is sufficient, since the use of the server is not recommended for planning.*

<b>Minimum</b>	22-inch monitor with a minimum resolution of 1440x900 with 16-bit colour depth.
<b>Recommended</b>	24-inch monitor with a 1920x1200 resolution as BTI Scan® 4 is a diagnostic tool, the larger the monitor, the better the visualisation and handling of the application.

### USB

<b>Mouse</b>	Mouse with a central wheel button.
<b>Text</b>	Text size 100% or 125% if these parameters are exceeded, the texts will become unreadable.
<b>Network connection</b>	1GB Ethernet network cable, not Wi-Fi.
<b>Hard Drive</b>	A SSD Solid State Drive is recommended.

## 2 GENERAL INFORMATION

Throughout this manual the following symbols are used, which have the following meanings:



This symbol accompanies a text to which special attention will have to be paid, as it indicates cautions to consider.



This symbol accompanies a text to which special attention will have to be paid, as it indicates warnings to consider.



This symbol accompanies a text with references to other sections of this manual.



This symbol accompanies important information for the user.



Product reference



Manufacturer



Medical device



Unique Device Identifier



CE marking



Manufacturing date

**Rx only** For professional use only

Some anti-virus software may be configured so they can identify the bootable installation files of BTI SCAN 4 harmful to the system. Please ignore this warning and continue with the installation.

The database management system used by BTI SCAN 4 (Postgre SQL) can cause connection problems if an antivirus and/or firewall blocks communication.

The program BTI SCAN 4 is protected by a hardware and software SENTINEL/HASP protection system. This means that, to run BTI Scan® 4, the virtual license provided by BTI must be present on the PC (in single-station installations) or in the PC that is acting as a server (in network installations).

The program can be used concurrently by as many users on the network as licenses have been acquired.

## 3 INSTALLING THE PROGRAM – MANAGING USERS

### 3.1 INSTALLING THE PROGRAM

Manually run the BTI Scan 4 installer by double clicking.



Do not install BTI SCAN 4 on a public network. Otherwise, a security breach may occur, and the program might not work properly.



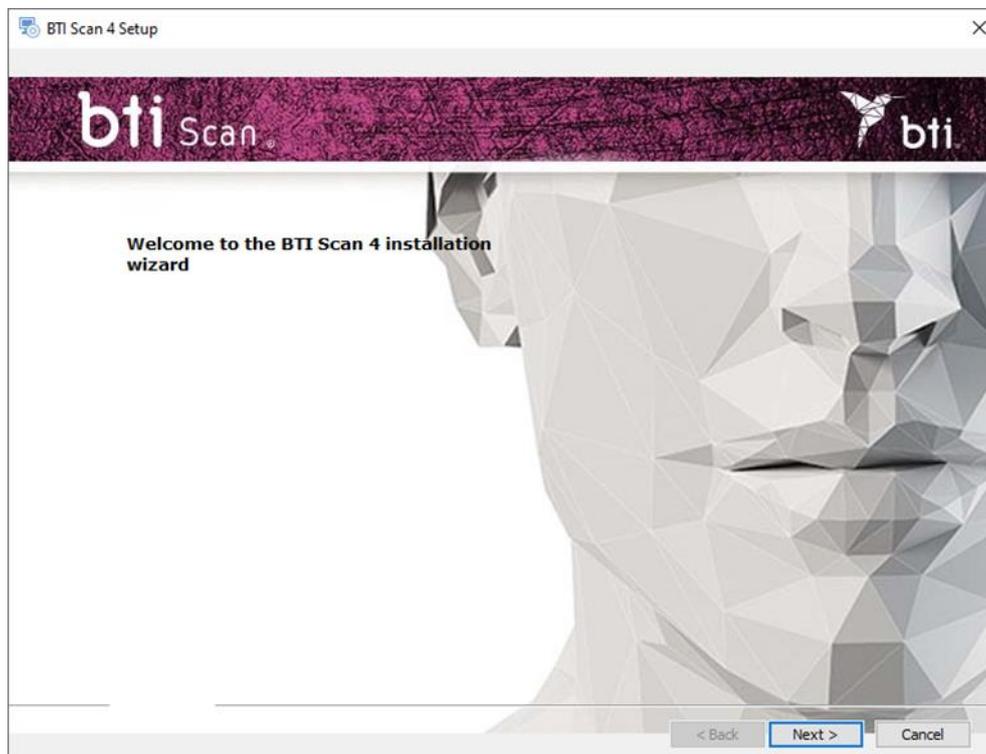
If you have any problems or cannot install BTI SCAN 4, please contact the BTI Technical Service Team.



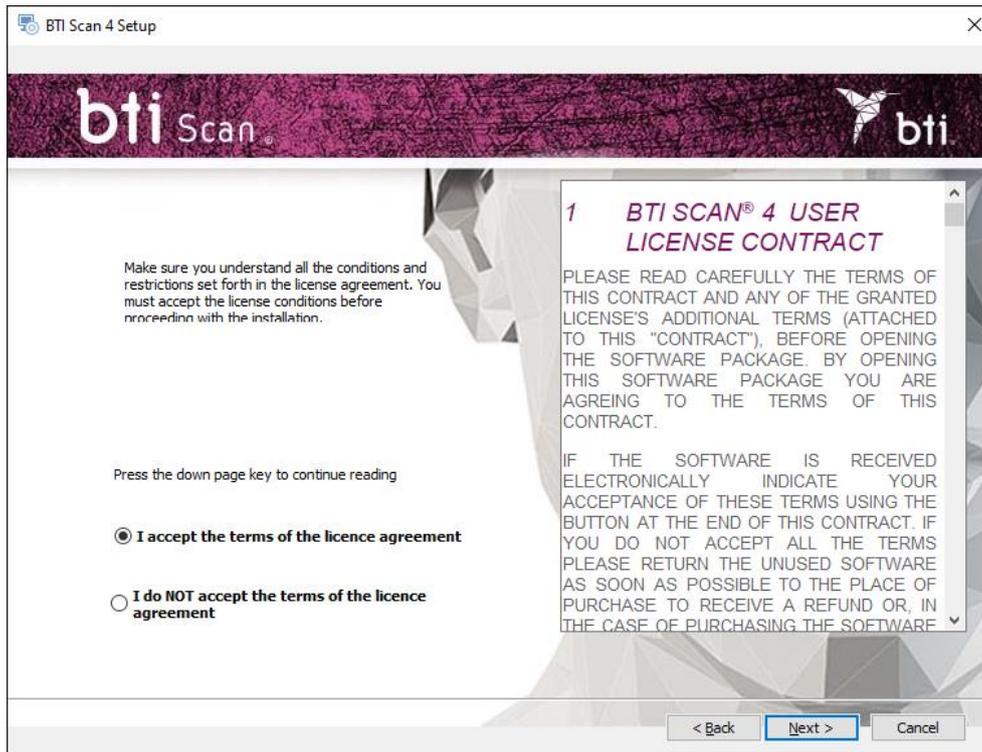
Before starting installation of BTI SCAN 4 we recommend you close any documents or applications open on the system. Otherwise, the installation may not be carried out correctly.

Follow these steps:

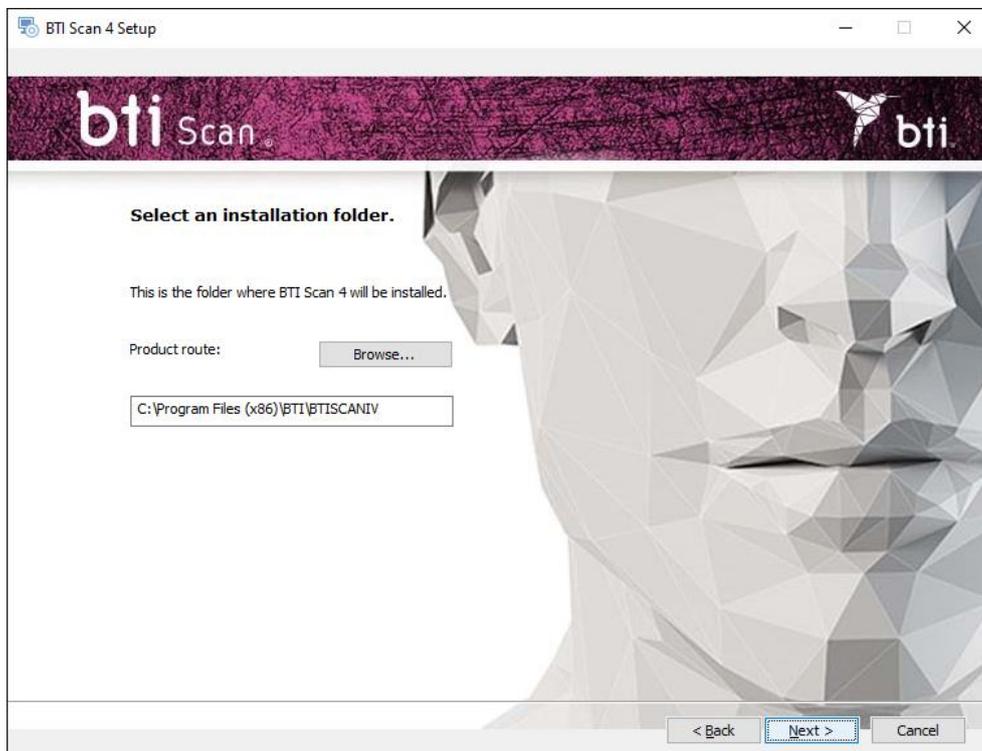
- 1) Click on Next on the welcome screen.



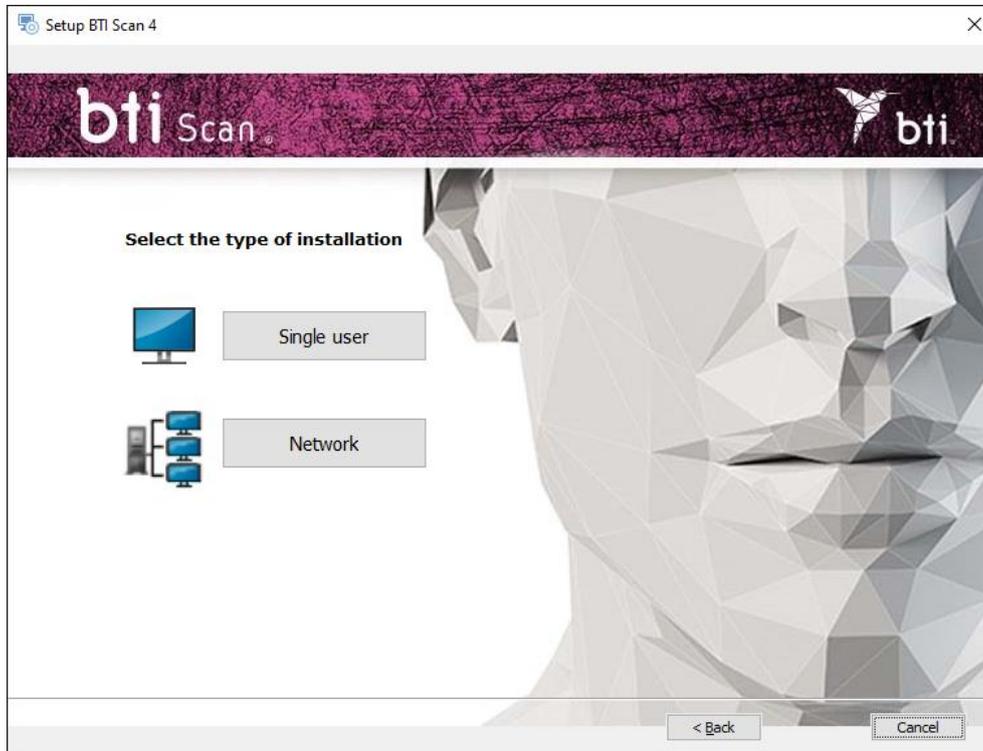
- 2) Accept the licence agreement terms and click on Next.



3) Select the installation route and click on Next.



- 4) Choose between a single user (see Section 5.1.1) or network installation (see Section 5.1.2; **Error! No se encuentra el origen de la referencia.**). After this, it will be necessary to activate the license (Section 5.3).

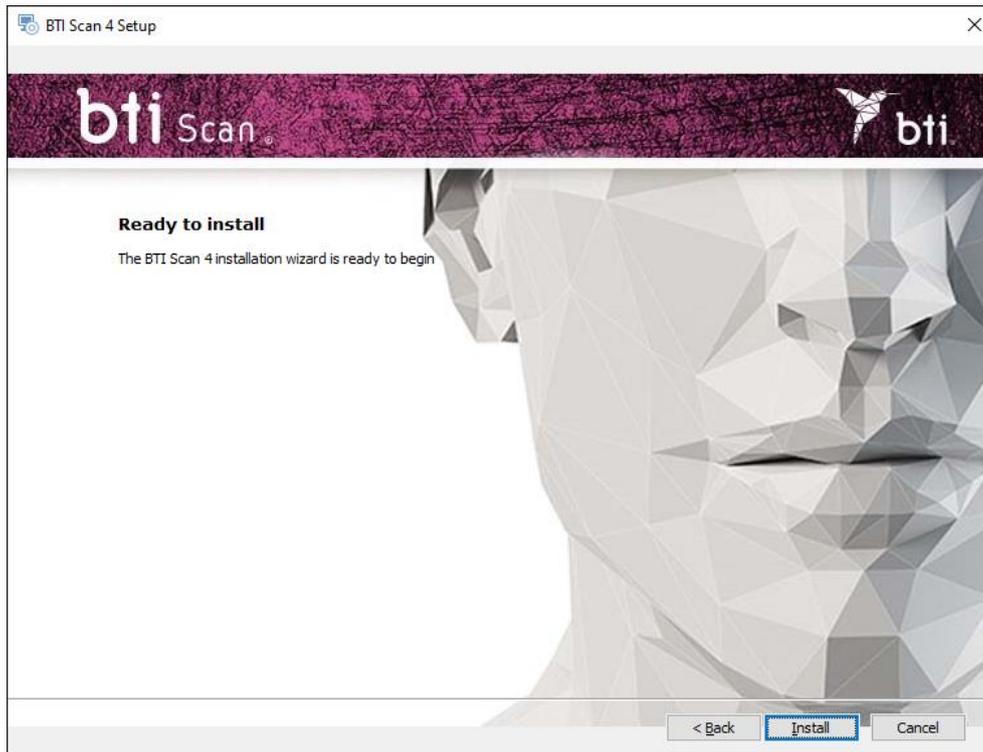


### 3.1.1 SINGLE-STATION INSTALLATION

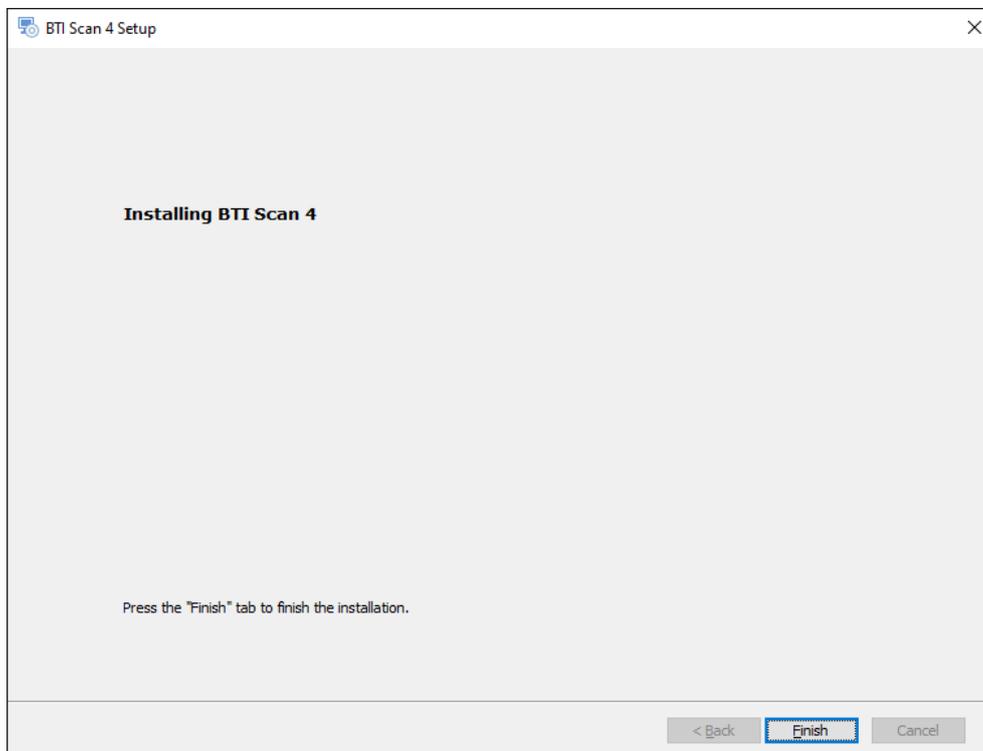
Select the single-station installation if you are going to install the application on one computer only:

- 1) Select the single-station option and install.





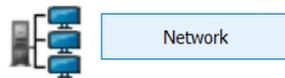
2) Press Finish to finish the installation.



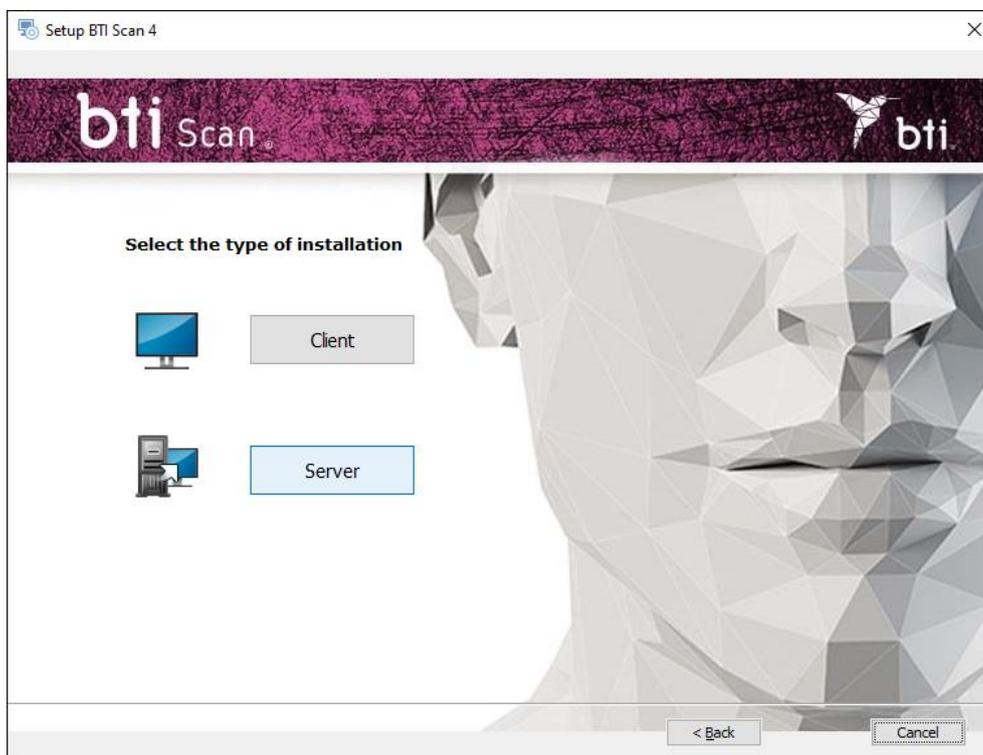
## 3.1.2 NETWORK INSTALLATION

Choose network installation when you are going to install the application on several computers. One of them will act as a server (storing the database) and the other computers are its clients:

- 1) Select the option Network.



- 2) Choose between the two types of installation: Client or Server.



Install BTI SCAN 4 in:

First on the computer that will be the Server.



Then on the Client computers.

We recommend always processing data from the client PCs that are equipped for this purpose. Leave the server for storing the studies and the database.

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### Server/client installation

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Select the option Server to indicate to the application that this is the computer that will store the study and the database:

Select the option Client to install the application in a computer other than the server:

- 1) Select the option desired and click on Next:



- Server: The installation program automatically detects and assigns the TCP/IP address and the port number of the computer, although this data can be changed if necessary. Check that the information is correct and click on Next.



Ensure that it is being installed on a Windows 2012 R2 Server x64 or higher. Previous versions have not been verified.



By default, the port number is 5432. If the program detects that this port is occupied by another application it will select a port that is free.



Note the TCP/IP address and PORT NUMBER as they will be requested when you install the client.



The TCP/IP address must be fixed, otherwise the program will not work and it will not be possible to connect with the database.



The firewall and antivirus must be configured to exclude the port number assigned (in the following figure, 5432) from the list of supervised ports. Otherwise, access to the database may be blocked.



If you have any doubts as to how to configure the firewall rules, consult the network administrator or the IT support service.



To determine the TCP/IP address see Section **Error! No se encuentra el origen de la referencia.**



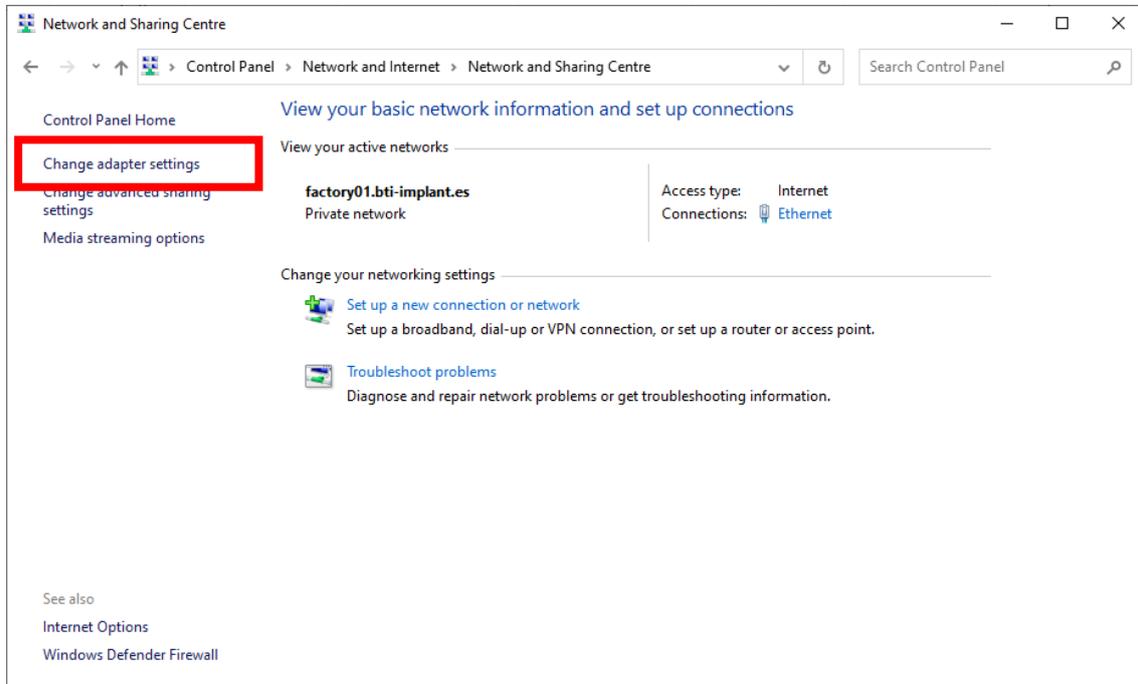
To ensure connection with the server, password protected sharing must be switched off. The option is available in the 'Network and Sharing Center' by accessing the 'Advanced Sharing' settings.

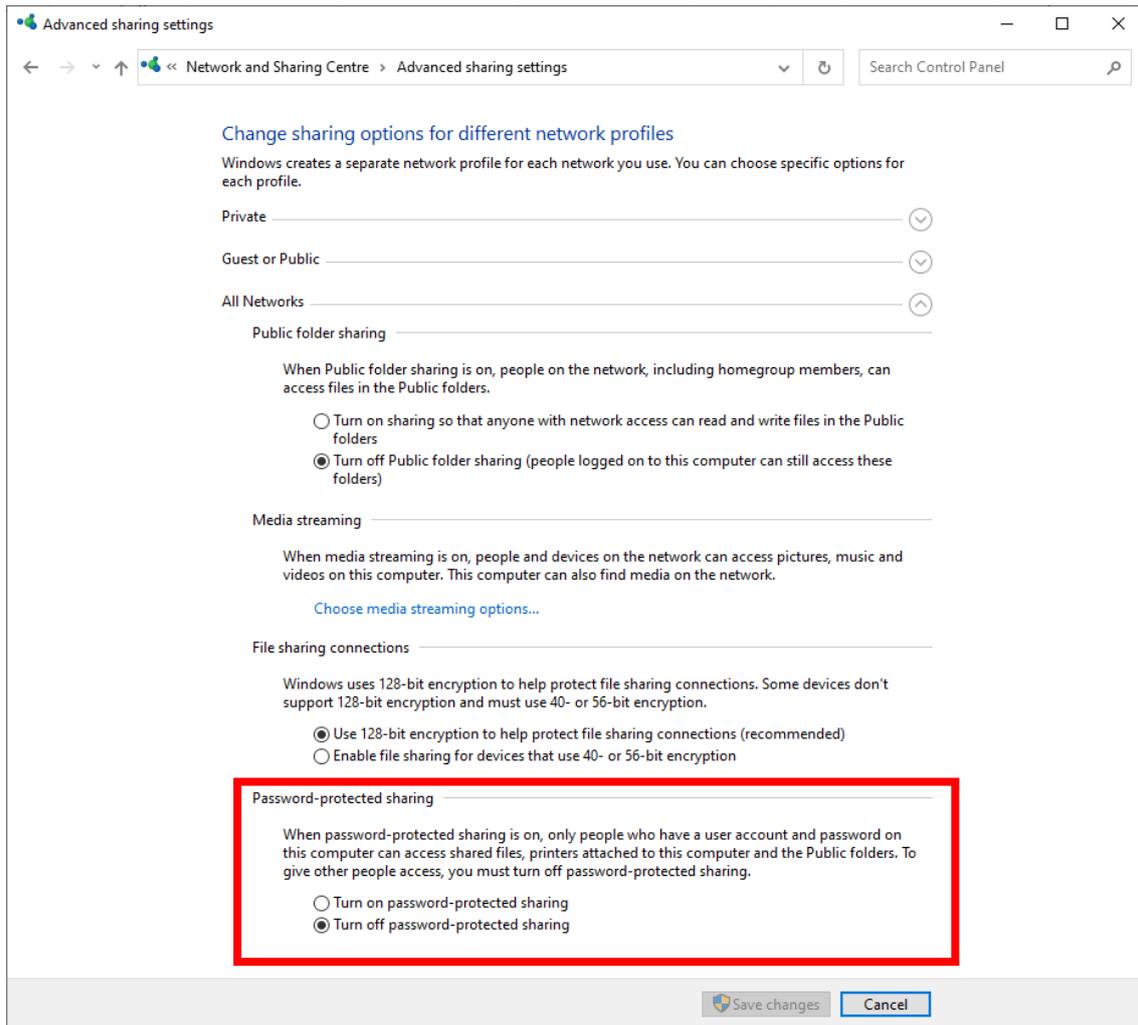


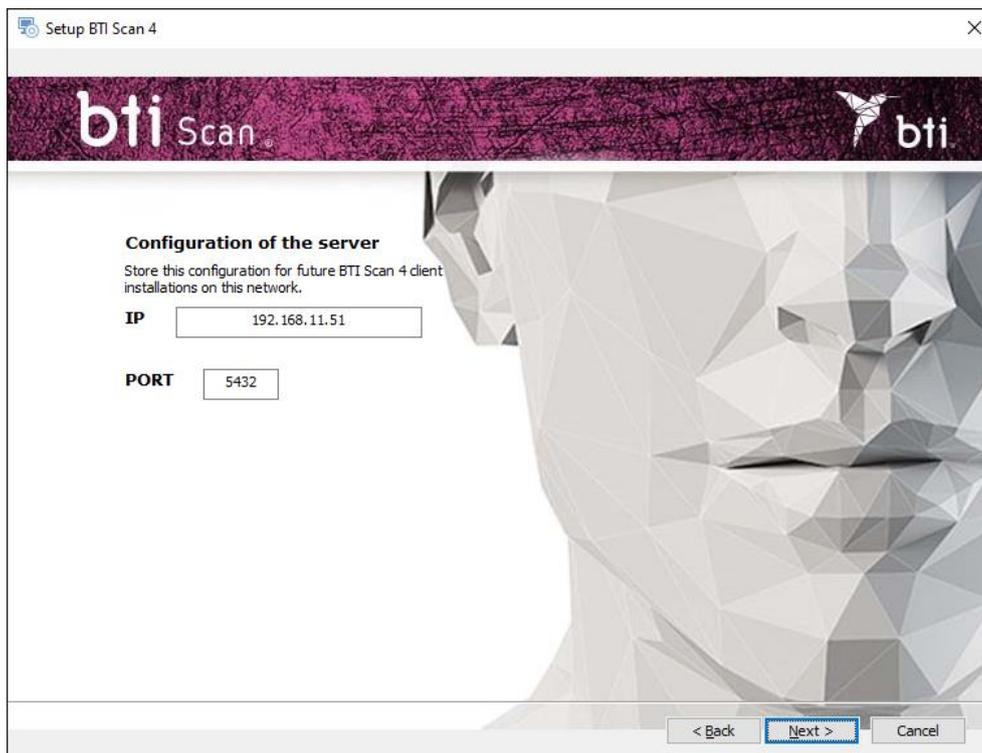
If during the installation of BTI SCAN 4 an antivirus and/or firewall warns that POSTGRESQL requests access, authorise it and continue the installation.



If during the installation of BTI SCAN 4 an antivirus and/or firewall warns that SENTINEL/HASP requests access, authorise it and continue the installation.







Client

- Client: Enter the TCP/IP address and the port number used when installing the server and click on Next.

2) Continue and click on Finish to complete the installation.

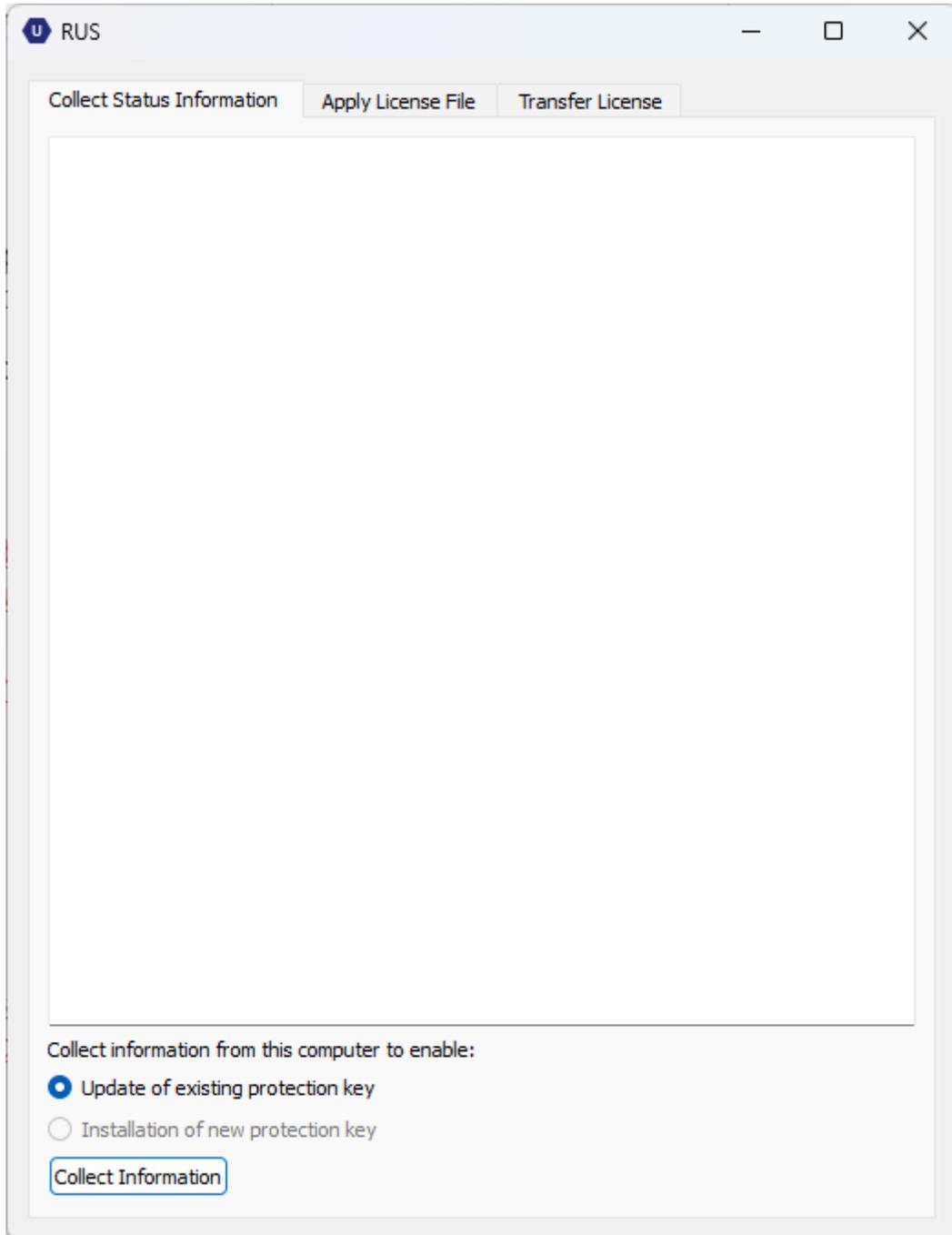
## 3.2 LICENSE ACTIVATION

License activation can be done in two ways, depending on whether the license is to be installed on a computer without internet access or on a computer with internet access where the software has been installed. In any case, if you want to use the software in server/client mode, you must activate the licence on the server only.

### 3.2.1 INSTALLATION ON A COMPUTER WITHOUT INTERNET CONNECTION

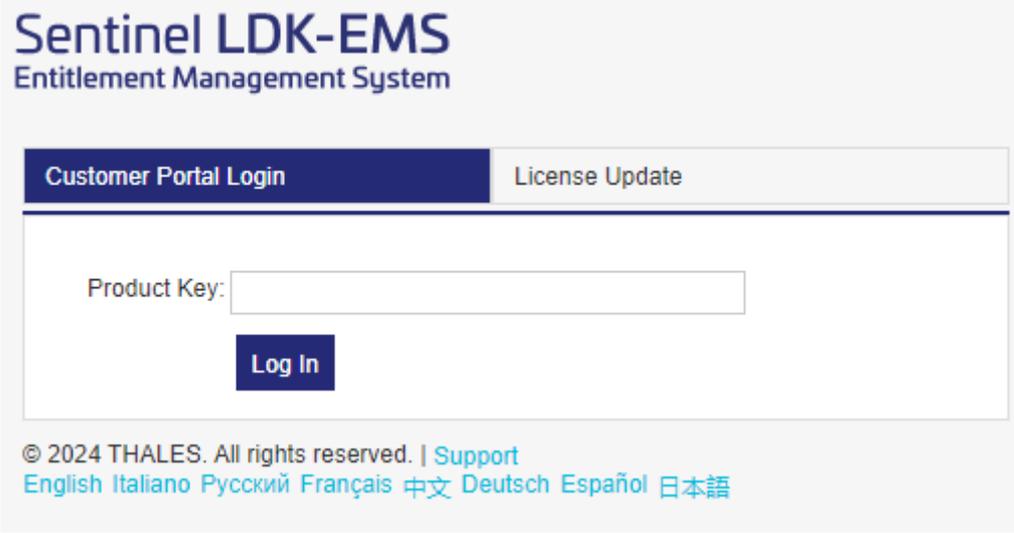
Along with the installer, a product key and a RUS executable are included. To activate the license, you must first collect the information from the computer on which the software will be run.

To do this, execute the RUS on the offline computer, select the option for installing a new protection key, and click the "Collect Information" button.



After this, the c2v file should be saved and sent to a computer with an internet connection.

Once the information has been collected, using a computer with internet access, go to the webpage <https://ls01.bti-biotechnologyinstitute.com/ems/customerLogin.html> and enter the product key.



**Sentinel LDK-EMS**  
Entitlement Management System

Customer Portal Login License Update

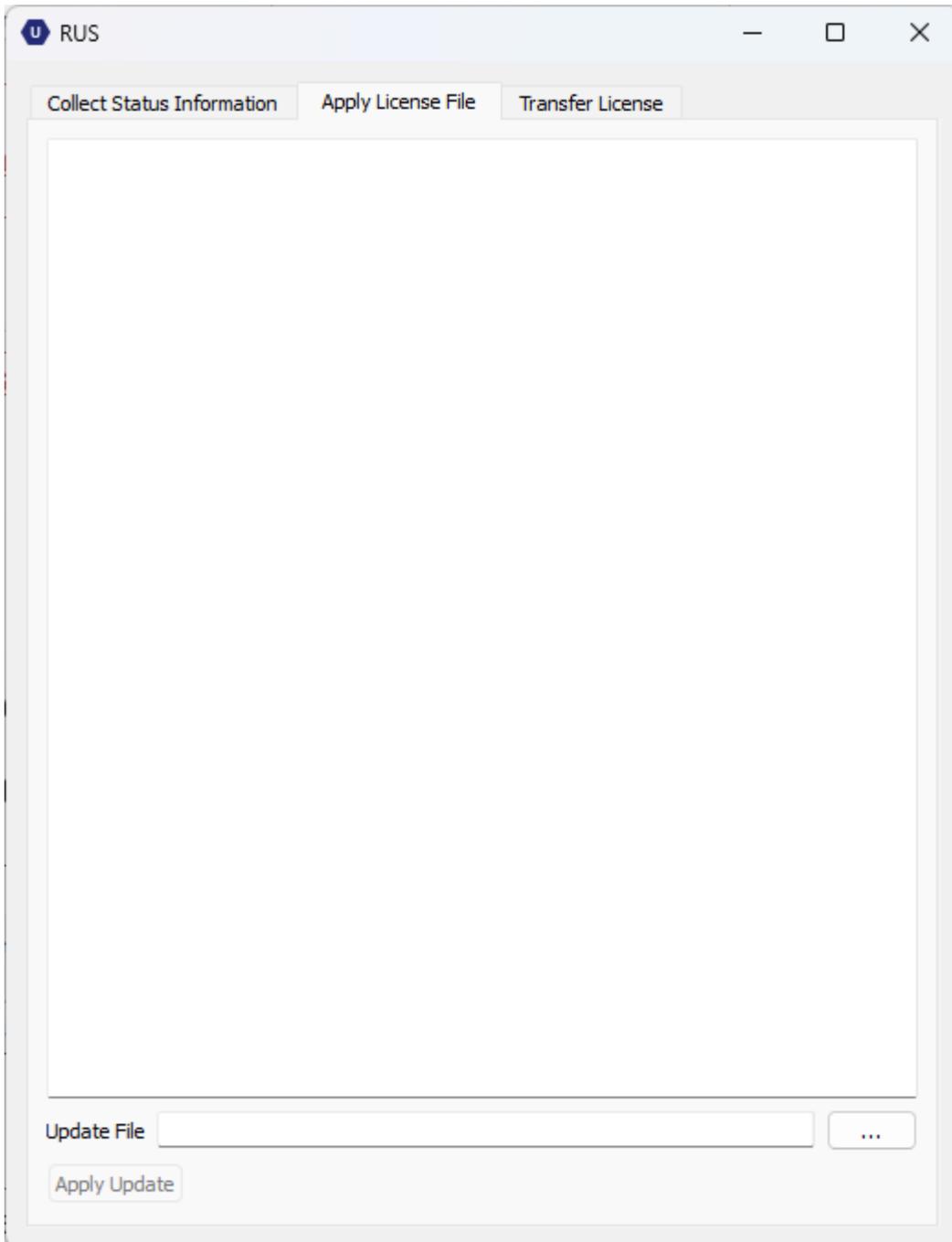
Product Key:

Log In

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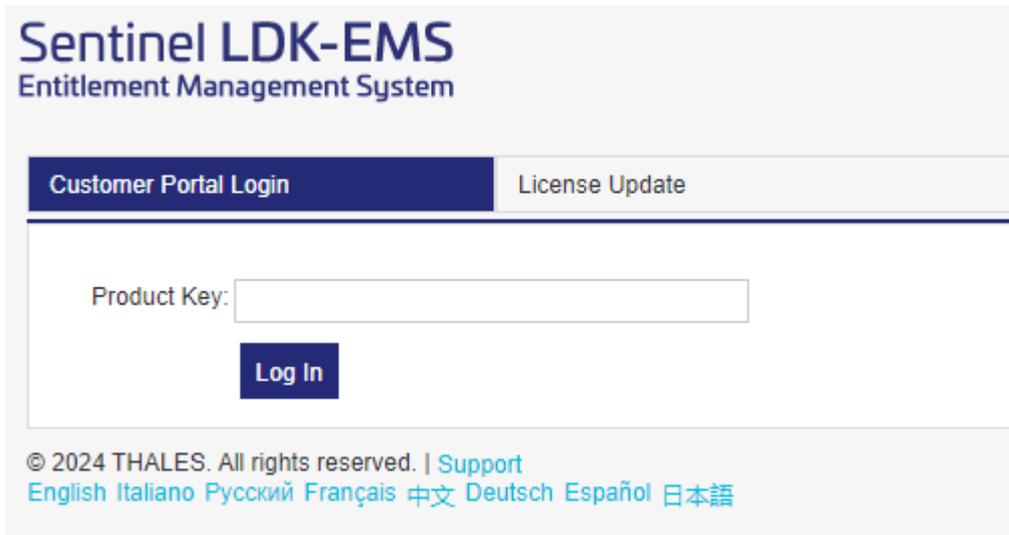
Once the product key has been entered, select the offline activation option and attach the c2v file generated on the offline computer. This will generate a v2cp file that should be downloaded to an accessible location and then sent to the offline computer.

Finally, to activate the license, run the RUS again on the offline computer and select the Apply License File tab. Attach the recently generated v2cp file, and the software will then be available for use.



### 3.2.2 INSTALLATION ON A COMPUTER WITH INTERNET CONNECTION

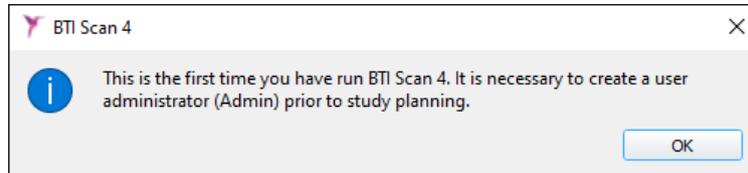
If the computer where the software is installed has internet access, to activate the license, simply go to the webpage <https://ls01.bti-biotechnologyinstitute.com/ems/customerLogin.html> and enter the product key.



Once the product key has been entered, the Online Activation option will be selected and the licence will be activated.

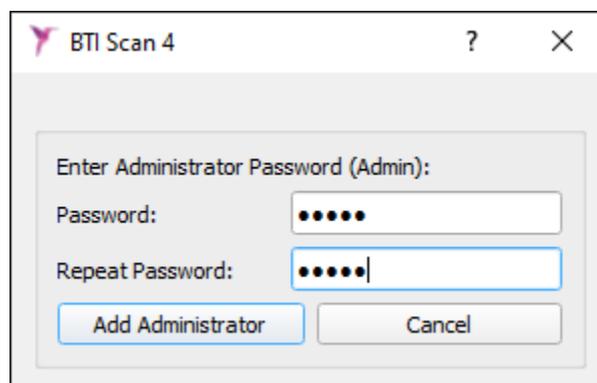
### 3.3 RUNNING THE PROGRAM FOR THE FIRST TIME

When you start the application for the first time you must configure the following parameters:



- 1) Password for the user Admin

**i** Before planning any studies, the program creates a main user called administrator (admin). This user can create and manage other users and establish permissions.



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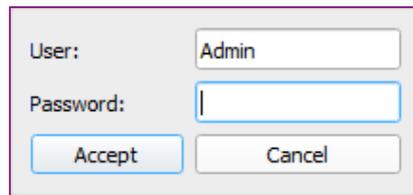
**i** This user may not be deleted or modified.

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**i** The password must be at least 5 characters .

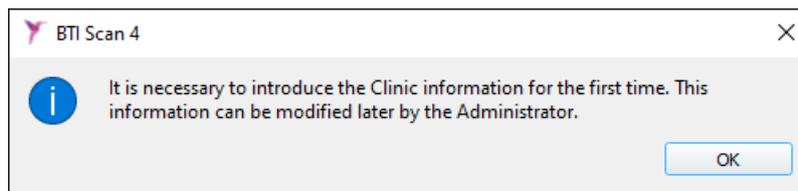
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Once you have selected the password, access the program with the username Admin and the password selected and continue with the initial configuration process.

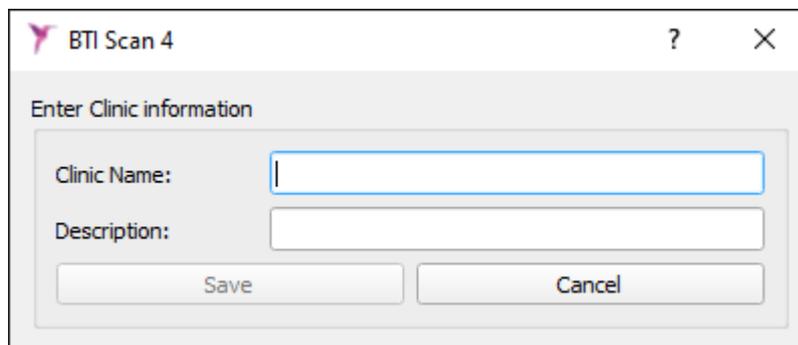


A login dialog box with a light gray background. It contains two text input fields: 'User:' with 'Admin' entered, and 'Password:' which is empty. Below the fields are two buttons: 'Accept' and 'Cancel'.

2) Clinic information.

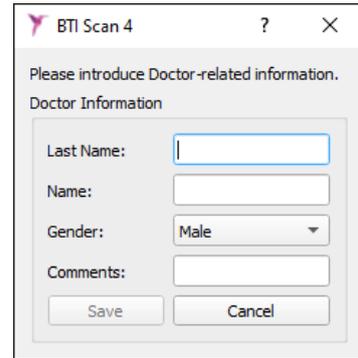
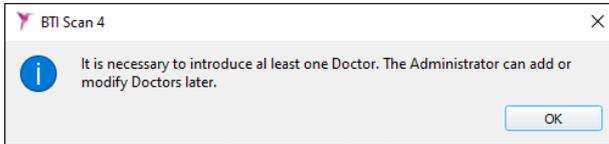


An information dialog box titled 'BTI Scan 4' with a close button (X) in the top right corner. It features a blue information icon (i) and the text: 'It is necessary to introduce the Clinic information for the first time. This information can be modified later by the Administrator.' An 'OK' button is located in the bottom right corner.



An 'Enter Clinic information' dialog box titled 'BTI Scan 4' with a question mark icon and a close button (X) in the top right corner. It contains two text input fields: 'Clinic Name:' and 'Description:'. Below the fields are two buttons: 'Save' and 'Cancel'.

3) Data of at least one doctor.



BTI Scan 4

Please introduce Doctor-related information.

Doctor Information

Last Name:

Name:

Gender:

Comments:

Save Cancel

## **4 USER LICENSE CONTRACT FOR BTI SCAN 4**

PLEASE READ CAREFULLY THE TERMS OF THIS CONTRACT AND ANY OF THE GRANTED LICENSE'S ADDITIONAL TERMS (ATTACHED TO THIS "CONTRACT"), BEFORE OPENING THE SOFTWARE PACKAGE. BY OPENING THIS SOFTWARE PACKAGE, YOU ARE AGREEING TO THE TERMS OF THIS CONTRACT.

IF THE SOFTWARE IS RECEIVED ELECTRONICALLY INDICATE YOUR ACCEPTANCE OF THESE TERMS USING THE BUTTON AT THE END OF THIS CONTRACT. IF YOU DO NOT ACCEPT ALL THE TERMS PLEASE RETURN THE UNUSED SOFTWARE AS SOON AS POSSIBLE TO THE PLACE OF PURCHASE TO RECEIVE A REFUND OR, IN THE CASE OF PURCHASING THE SOFTWARE ELECTRONICALLY CHOOSE THE "DECLINE" OPTION AT THE END OF THIS CONTRACT.

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You agree to not transport, transmit, export, download or install in or to any other country or use the software in any way forbidden by law, and adhere to restrictions or rulings regarding international exports.

### **4.3 LIMITED WARRANTY**

The product is designed and is offered as a healthcare product which provides the user with a diagnostic and planning tool to be used with a CT scanner prior to the implant procedure and for no other use other than for that for which it has been designed. The software should be used by qualified

medical personnel with knowledge of anatomy, oral surgery and dental implants, and it is recommended that the software users attend the BTI SCAN 4 training sessions which are regularly offered by BTI. Notwithstanding the provisions of the previous paragraph, you recognise and accept that the software may contain errors or other harmful elements. As a consequence of this we recommend that before installing you make sure that the software will fulfil your requirements and needs and that it will have no negative impact upon your computer(s) or IT systems).

BTI does guarantee that the electronic medium upon which the software is supplied to you (if this exists) is free from material and manufacturing defects, for normal use, for a period of 90 days from the date of purchase, by providing the corresponding purchase receipt. With the exception of the previous paragraph, the software is supplied "WITHOUT WARRANTY". Your exclusive remedy and the complete liability of BTI in accordance with this limited warranty shall be, at the discretion of BTI, to replace the software IT medium or refund the cost of the software. This warranty is not applicable in the case of accident, mistreatment or incorrect use by the user.

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#### **VTK**

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## Qt

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Contact: <https://www.qt.io/licensing>

Reference: <https://www.gnu.org/licenses/lgpl-3.0.html>

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### **4.10 CONCLUSIONS**

This contract shall be valid until its conclusion. You can end this contract at any time by destroying any copies of the software. This contract can be ended without warning by BTI should you fail to fulfil any of the requirements contained therein. At the moment of ending the contract, for any reason, you should delete the software from any memory on your computer and storage devices or files which are in your possession or under your control.

### **4.11 COPY**

This contract represents a complete agreement between yourself and BTI in relation to the object of the contract. It replaces all notices, proposals, declarations and prior warranties be they current, oral or written, and takes precedence over any contradictory or additional quote, order, recognition conditions, or any communication between both parties relative to the object of the contract for the length of the contract.



**B.T.I. Biotechnology Institute, S.L.**

Parque Tecnológico de Alava

Leonardo da Vinci 14

01510 Miñano (Alava)

Spain

Tel.: +34 945 297030 | Fax: +34 945 297031

[www.bti-biotechnologyinstitute.com](http://www.bti-biotechnologyinstitute.com)

[bti.implantes@bti-implant.es](mailto:bti.implantes@bti-implant.es)