



# InLoox 12 On-Prem Server

## Server Installation Guide

Published: July 2025

Current information can be found at [www.inloox.com](http://www.inloox.com)

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# General

The current version of InLoox differs fundamentally from its predecessor generations. Numerous innovations have been realized in collaboration with customers and partners.

Supported database management systems in network operations include Microsoft SQL Server (all versions and editions from 2016).

The database schema of InLoox is cluster-ready.

InLoox is internationalized and available in various language versions. Regional and language settings are supported for each user location, enabling global deployment.

If you previously used InLoox 10, please note that installing InLoox 12 upgrades the existing database schema to the new version automatically. This process may affect your existing licenses and cannot be undone. Therefore (if applicable), ensure you back up your InLoox 10 database before proceeding. Contact your internal InLoox representative for assistance.

# System requirements

## Server

The hardware and software requirements depend on the database system used. Please refer to the respective manufacturer's product documentation for the applicable requirements.

Microsoft offers a free database product:

- Microsoft SQL Server Express Edition

The following roles and features of IIS (Internet Information Services) are required to install InLoox: Depending on the operating system used, the roles may have different names.

- **Web Server**
  - **Common HTTP Features**
    - HTTP Errors
    - Static Content
    - Directory Browsing
  - **Health and Diagnostics**
    - HTTP Logging
  - **Performance**
    - Static Content Compression
    - Dynamic Content Compression
  - **Security**
    - Request Filtering
    - Basic Authentication
    - Windows Authentication
  - **Application Development**
    - .NET Extensibility 4.x
    - Application Initialization
    - ASP
    - ASP.NET 4.x
    - ISAPI Extensions
    - ISAPI Filters
    - WebSocket Protocol
  - **Management Tools**
    - IIS Management Console
    - IIS Management Script and Tools
    - Management Service

Additionally required:

- Microsoft SQL Server® 2016 or higher (all editions)
- Microsoft Windows Server 2016 or higher
- Valid SSL certificate for the desired URL

- SMTP server
- [ASP.NET 8 Hosting Bundle](#)
- Either a domain user (for file server) or an Azure App
  - (for SharePoint Online; see step 8)

**Note:** A publicly signed certificate is **not** mandatory for using InLoox. However, the certificate must be recognized as valid by the server itself and all clients which access InLoox. Hence the following criteria are relevant:

- **Validity:** The certificate must be within its validity period.
- **Trusted Certification Authority (CA):** The certificate should be issued by a CA trusted by the operating system or browser.
- **Correct Configuration:** The certificate must be properly installed and configured on the web server.
- **Hostname Matching:** The hostname specified in the certificate (e.g. [www.example.com](http://www.example.com)) must match the hostname provided during installation.

### Further Information: Automatic .NET-Updates

Windows allows automatic .NET updates; the necessary steps are described in this [support article](#).

# Upgrade / migration of existing projects

## Upgrade from older versions

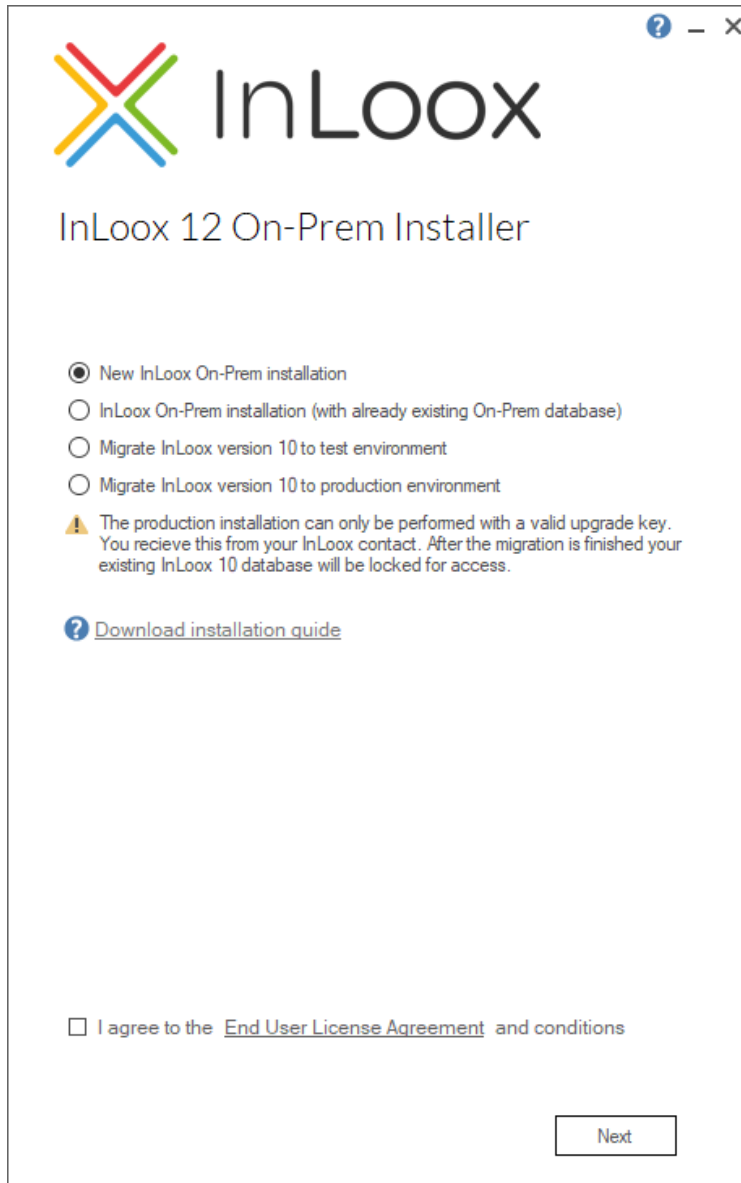
A direct upgrade from older versions (InLoox 10.x or earlier) to InLoox 12 is not possible. You must first upgrade the database to version 11.x. Detailed instructions can be found [here](#).

**Important:** Please install the database server beforehand, see the chapter **System Requirements / Server**. The Microsoft SQL Server required by InLoox offers a free database product that is ready to use within minutes (MSSQL Express Edition).

You don't need to create a database beforehand. The setup will automatically create the new database with the appropriate settings.

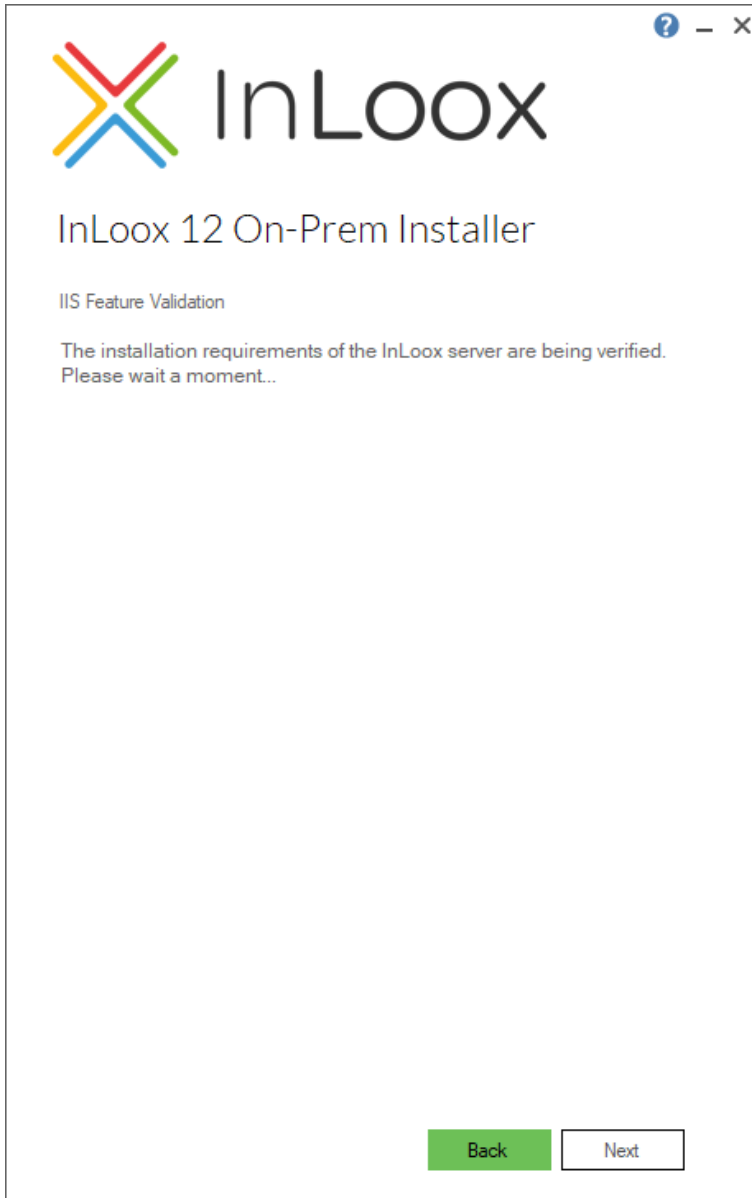
# Installation of InLoox 12 On-Prem Server

1. Start the file **InLoox\_OnPrem\_Server\_12xx.exe**



For a new installation of InLoox 12, select **New InLoox On-Prem installation** and accept the **license agreement**. Then click **Next**.

2. Depending on your operating system configuration, the **User Account Control** dialog box may appear. Click **Yes**. Setup will now check whether all IIS features and roles have been installed. If this is not the case, you must repeat the process as described above (see Server System Requirements).



3. Enter the public endpoint for InLoox, specifying the address through which InLoox will be accessible in your company. Select the port and SSL certificate for TLS encryption. If the certificate is invalid, you will receive an error (see Image 1), and the setup cannot proceed. Click **Next**.

InLoox 12 On-Prem Installer

InLoox Web App

Please input the public endpoint for the site:  
examplecompany.com

URL: https://examplecompany.com

Please select the mode for the HTTPS/SSL encryption:  
 Direct HTTPS/SSL encryption  
 HTTPS/SSL encryption via reverse proxy

Please select a port for the secure connection:  
 Standard-Port TLS/HTTPS (443)  
 Other port:

Please select certificate for the TLS encryption:  
Please select certificate  
Show certificate

Back Next

The URL can also be adjusted later (see configuration mode).

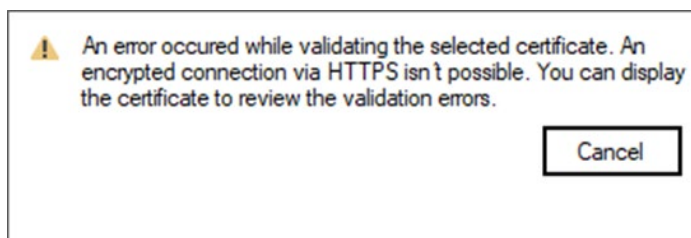


Image 1: error message with invalid SSL certificate

- Now enter the **server name** and the database name for your InLoox database. The database name will automatically be used as the prefix for the separate databases.

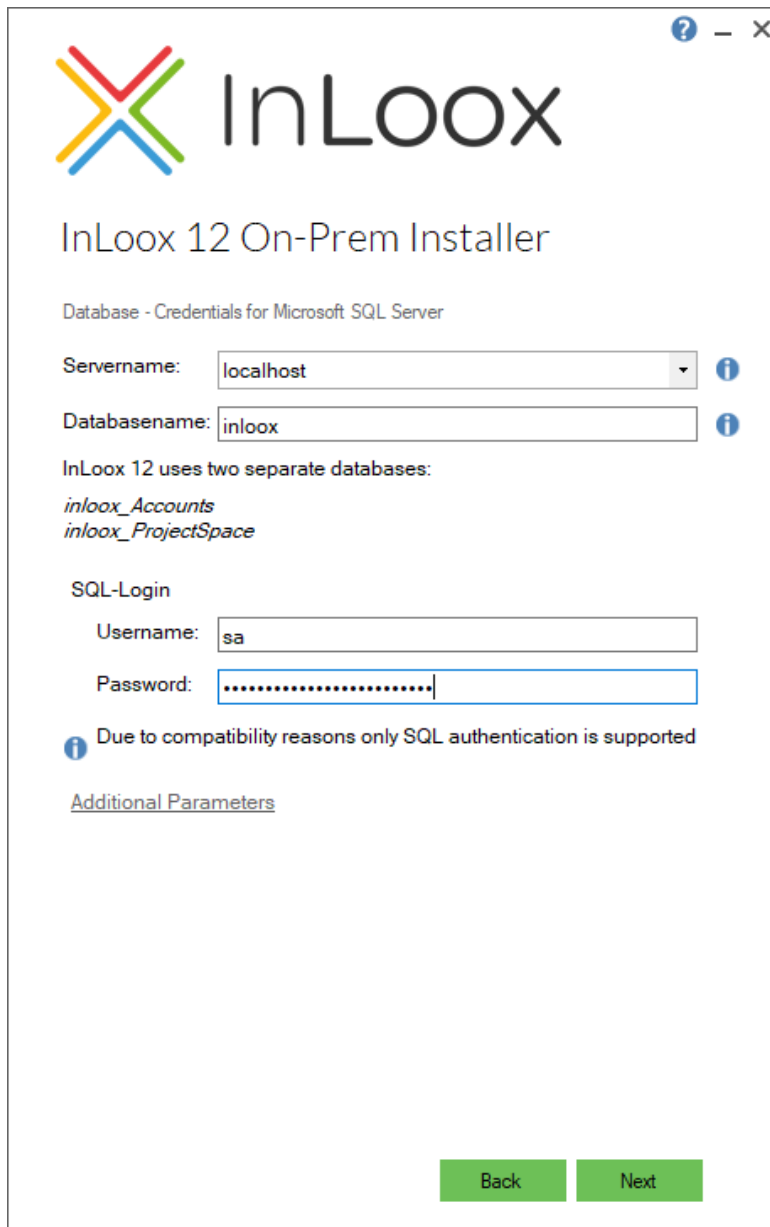
**Example:**

Database name (prefix): inloox\_ExampleCompany

→ inloox\_ExampleCompany\_Accounts

→ inloox\_ExampleCompany\_ProjectSpace

- Then enter your **SQL login**.



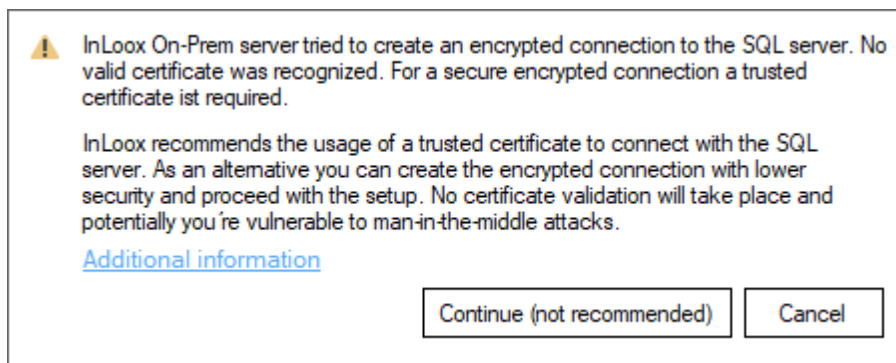
The screenshot shows the 'InLoox 12 On-Prem Installer' window. At the top left is the InLoox logo, a stylized 'X' with four colored arms (red, green, blue, yellow). The title bar shows a question mark, a minus sign, and a close button. Below the logo, the text 'InLoox 12 On-Prem Installer' is displayed. Underneath, it says 'Database - Credentials for Microsoft SQL Server'. There are two input fields: 'Servername:' with a dropdown menu showing 'localhost' and an information icon, and 'Databasename:' with a text box containing 'inloox' and an information icon. Below these, it states 'InLoox 12 uses two separate databases:' followed by two lines of italicized text: 'inloox\_Accounts' and 'inloox\_ProjectSpace'. The 'SQL-Login' section has a 'Username:' field with 'sa' and a 'Password:' field with a masked password of dots. An information icon is followed by the text 'Due to compatibility reasons only SQL authentication is supported'. At the bottom, there is a link for 'Additional Parameters' and two green buttons labeled 'Back' and 'Next'.

**IMPORTANT:** InLoox 12 supports only SQL authentication and does not allow Windows authentication. This is because InLoox utilizes several services that would require individual user permissions with Windows authentication. The SQL user serves as a centralized access point for these services. During the

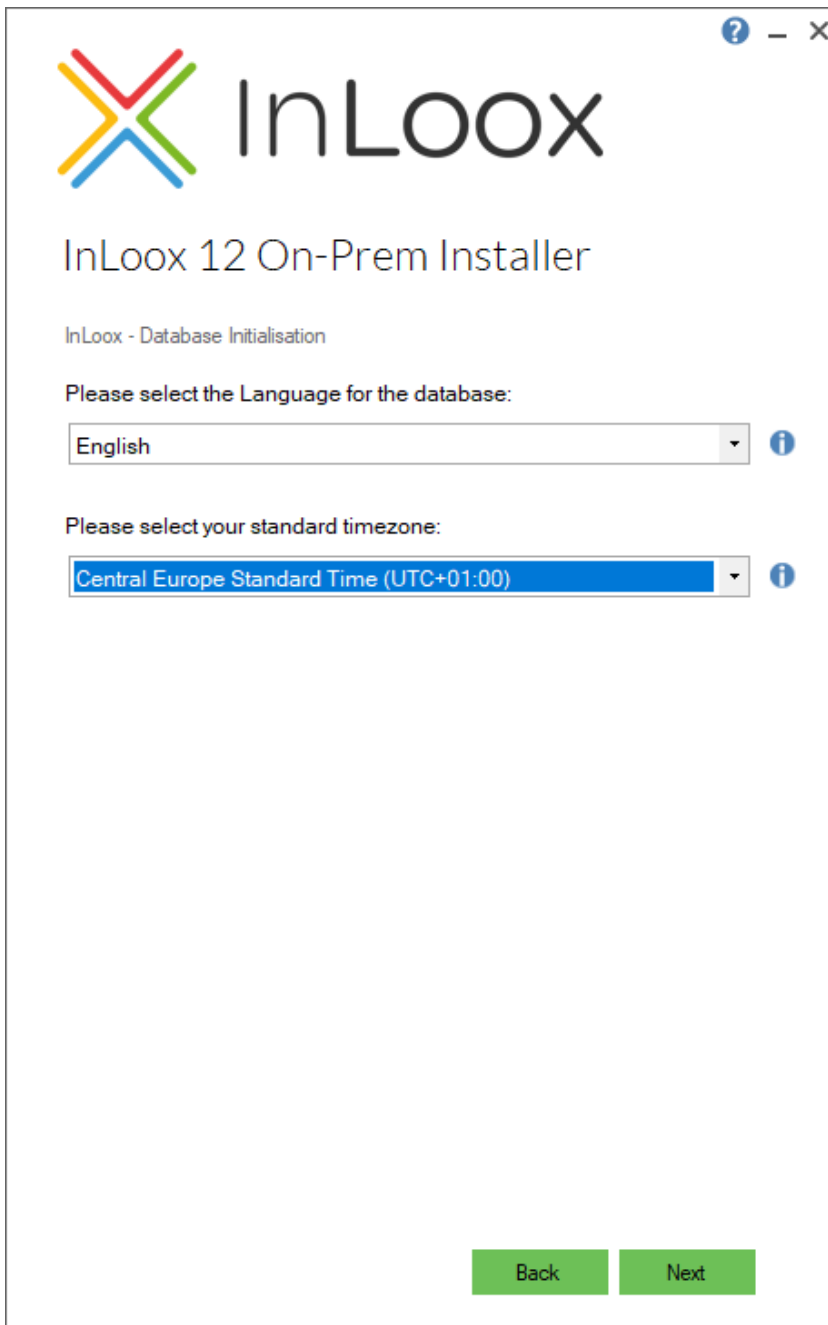
installation, this user must have the "dbcreator" and "securityadmin" roles. Alternatively, "sysadmin" is also possible. These roles can be removed after the installation is complete.

Click **Next**. The installer will now check in the background whether the entered data is correct and the server is accessible. This process may take up to a few minutes.

**IMPORTANT:** If the certificate is not suitable for an encrypted connection to the SQL Server, you will receive a warning message. Microsoft recommends establishing SQL connections exclusively using encryption (similar to HTTPS). For compatibility reasons, InLoox allows the use of a connection without validating the encryption certificate. InLoox recommends selecting Cancel and using a valid certificate on the SQL Server. You can then continue the setup. Detailed information can be found at the following link: [Microsoft Documentation](#)

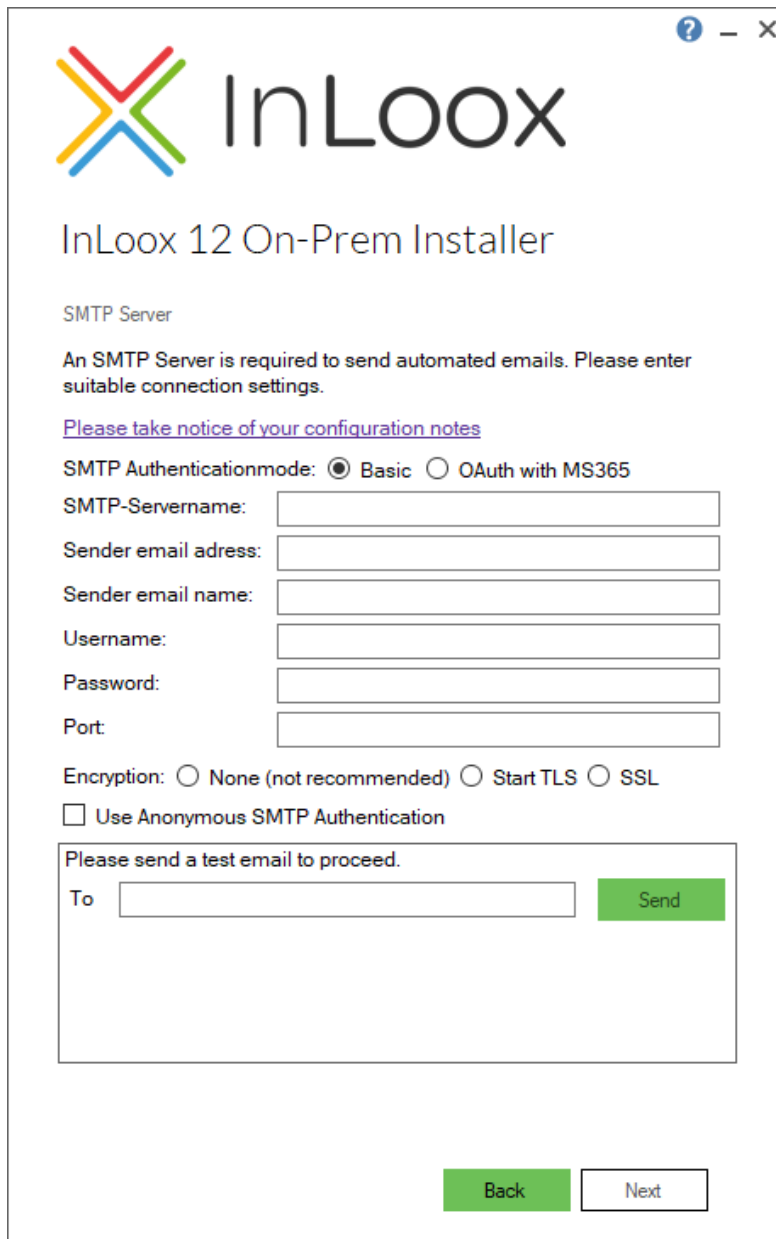


6. Select the desired language for the database from the dropdown menu (e.g., English). Then, in the second dropdown menu, select the appropriate standard time zone for your region (e.g., UTC+01:00, Central Europe Standard Time).



The screenshot shows a window titled "InLoox 12 On-Prem Installer" with the InLoox logo. Below the title is the text "InLoox - Database Initialisation". The first instruction is "Please select the Language for the database:", followed by a dropdown menu with "English" selected. The second instruction is "Please select your standard timezone:", followed by a dropdown menu with "Central Europe Standard Time (UTC+01:00)" selected. At the bottom of the window are two green buttons: "Back" and "Next".

7. Enter the details of your SMTP server. This is required so that InLoox can send automated emails (e.g., invitations and notifications).



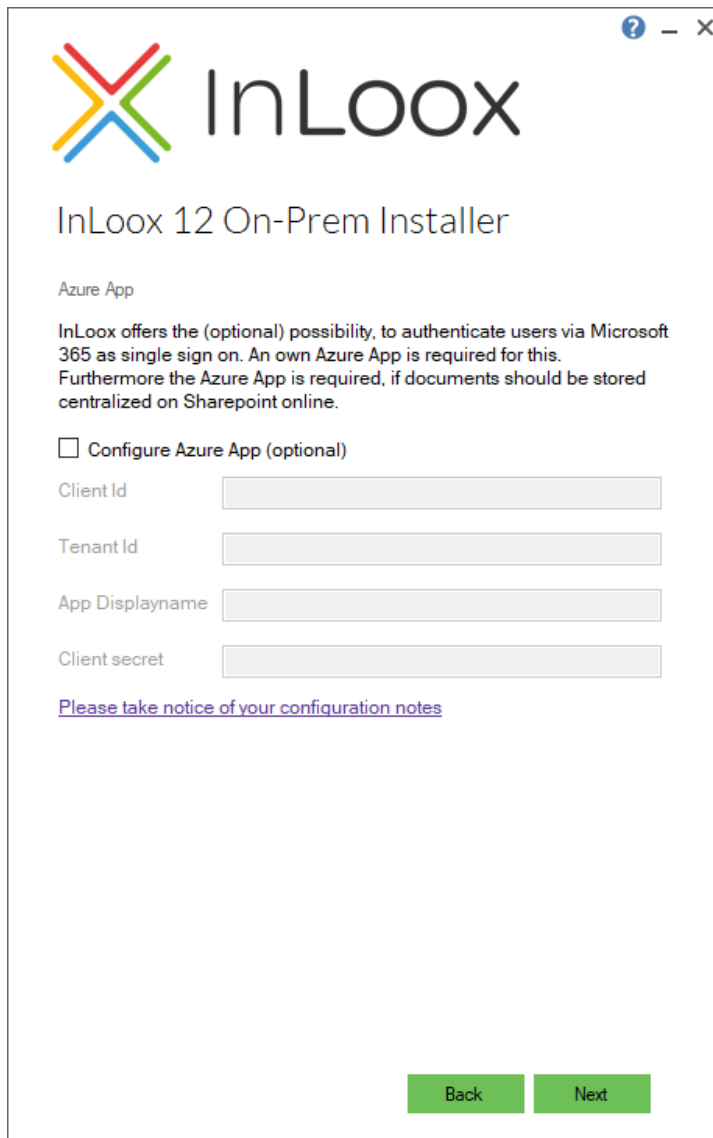
The screenshot shows the 'InLoox 12 On-Prem Installer' window. At the top left is the InLoox logo, a stylized 'X' with four colored arms (red, green, blue, yellow). The title bar includes a help icon, a minus sign, and a close button. Below the logo, the text 'InLoox 12 On-Prem Installer' is displayed. The main section is titled 'SMTP Server' and contains the following text: 'An SMTP Server is required to send automated emails. Please enter suitable connection settings.' Below this is a link: 'Please take notice of your configuration notes'. The 'SMTP Authenticationmode' section has two radio buttons: 'Basic' (selected) and 'OAuth with MS365'. Below this are input fields for 'SMTP-Servername:', 'Sender email address:', 'Sender email name:', 'Username:', 'Password:', and 'Port:'. The 'Encryption' section has three radio buttons: 'None (not recommended)', 'Start TLS', and 'SSL'. There is also a checkbox for 'Use Anonymous SMTP Authentication'. A section titled 'Please send a test email to proceed.' contains a 'To' input field and a green 'Send' button. At the bottom of the window are two buttons: a green 'Back' button and a white 'Next' button.

Click **Send** to send a test email. If the test is successful, you will receive an email with the corresponding message and a confirmation email to the email address you entered. Click **Next**.

**Info:** A detailed instruction manual for setting up OAuth mail sending with MS 365 Exchange Online can be found on our [homepage](#).

8. If desired, you can use InLoox with Microsoft 365 via single sign-on. This requires an **Azure App**, which can be configured here. The Azure App is also required if you want to use Microsoft SharePoint Online as a file repository (see the next step). This step is optional.

Info: A manual for setting up the Azure App needed for MS365 integration can be found [here](#).



The screenshot shows a window titled "InLoox 12 On-Prem Installer". At the top left is the InLoox logo, which consists of a stylized 'X' made of four colored lines (red, green, blue, yellow) and the text "InLoox". Below the logo, the title "InLoox 12 On-Prem Installer" is displayed. Underneath, the section "Azure App" is shown. It contains a paragraph of text: "InLoox offers the (optional) possibility, to authenticate users via Microsoft 365 as single sign on. An own Azure App is required for this. Furthermore the Azure App is required, if documents should be stored centralized on Sharepoint online." Below this text is a checkbox labeled "Configure Azure App (optional)". Underneath the checkbox are four input fields: "Client Id", "Tenant Id", "App Displayname", and "Client secret". Below the input fields is a link: "Please take notice of your configuration notes". At the bottom of the window are two green buttons: "Back" and "Next".

Click **Next**.

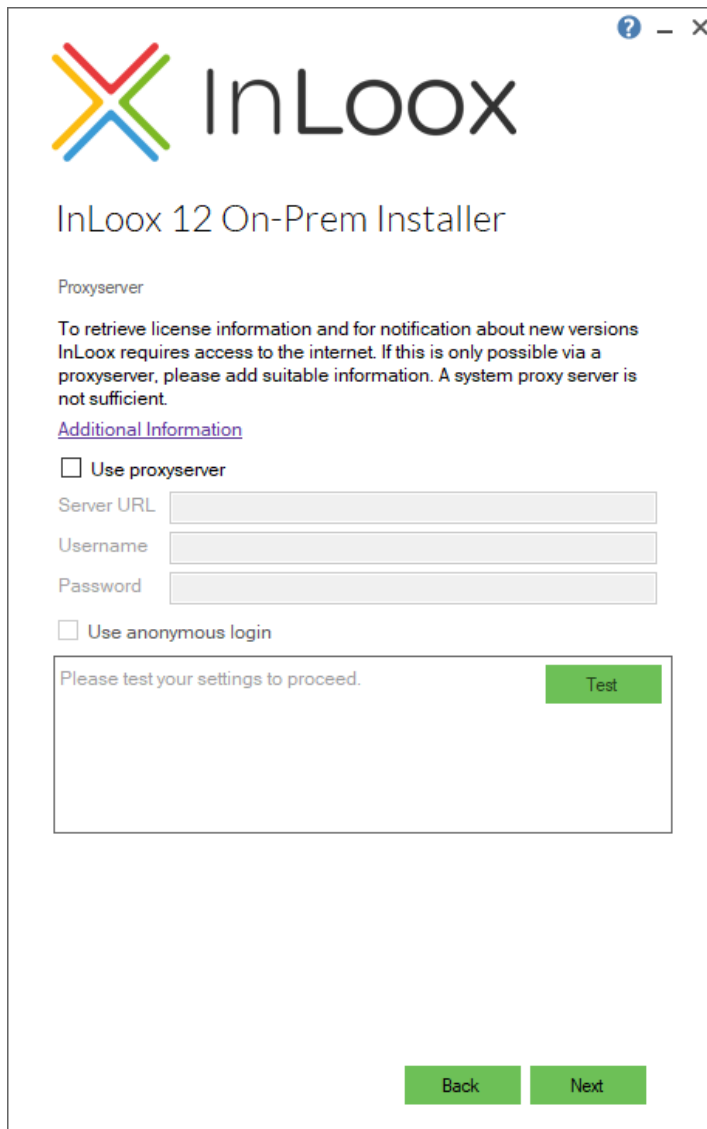
9. Select the storage location for your documents and enter the corresponding data. You can choose between **file server** and **SharePoint Online**. The latter can only be configured and used if an **Azure App** has been previously set up

The image displays two side-by-side screenshots of the InLoox 12 On-Prem Installer window. Both windows feature the InLoox logo at the top left and the title 'InLoox 12 On-Prem Installer'. The left window shows the 'File storage' section with the following text: 'For the storage of your project files InLoox requires a server directory. Please enter a sufficient network folder with connection information.' Below this, there are two radio buttons: 'Storage on fileserver' (selected) and 'Storage on Sharepoint online'. A text field labeled 'Serverpath in UNC-format ('\\servername\share')' contains the text 'C:\Projects'. Below this are fields for 'Domain of user', 'Username', and 'Password'. A 'Test' button is present. At the bottom, there are 'Back' and 'Next' buttons. The right window shows the same 'File storage' section but with 'Storage on Sharepoint online' selected. It includes a red error message: 'To authenticate on Sharepoint Online an Azure App is required. Please enter the settings in the previous step.' and an information icon with text: 'All settings for SharePoint Online can be configured directly in the account settings. To do this, link your InLoox login with the MS365 account after installation and grant access to the files (My Profile - Settings)'. The 'Test' button is disabled, and the 'Next' button is also disabled. Both windows have a 'Back' button that is active.

Click **Test**. If the server path is successfully validated, click **Next**.

10. InLoox requires internet access to retrieve license information and receive notifications about new versions. If this is only possible via a proxy server in your environment, please specify it in this step. A proxy stored in the system is not sufficient.

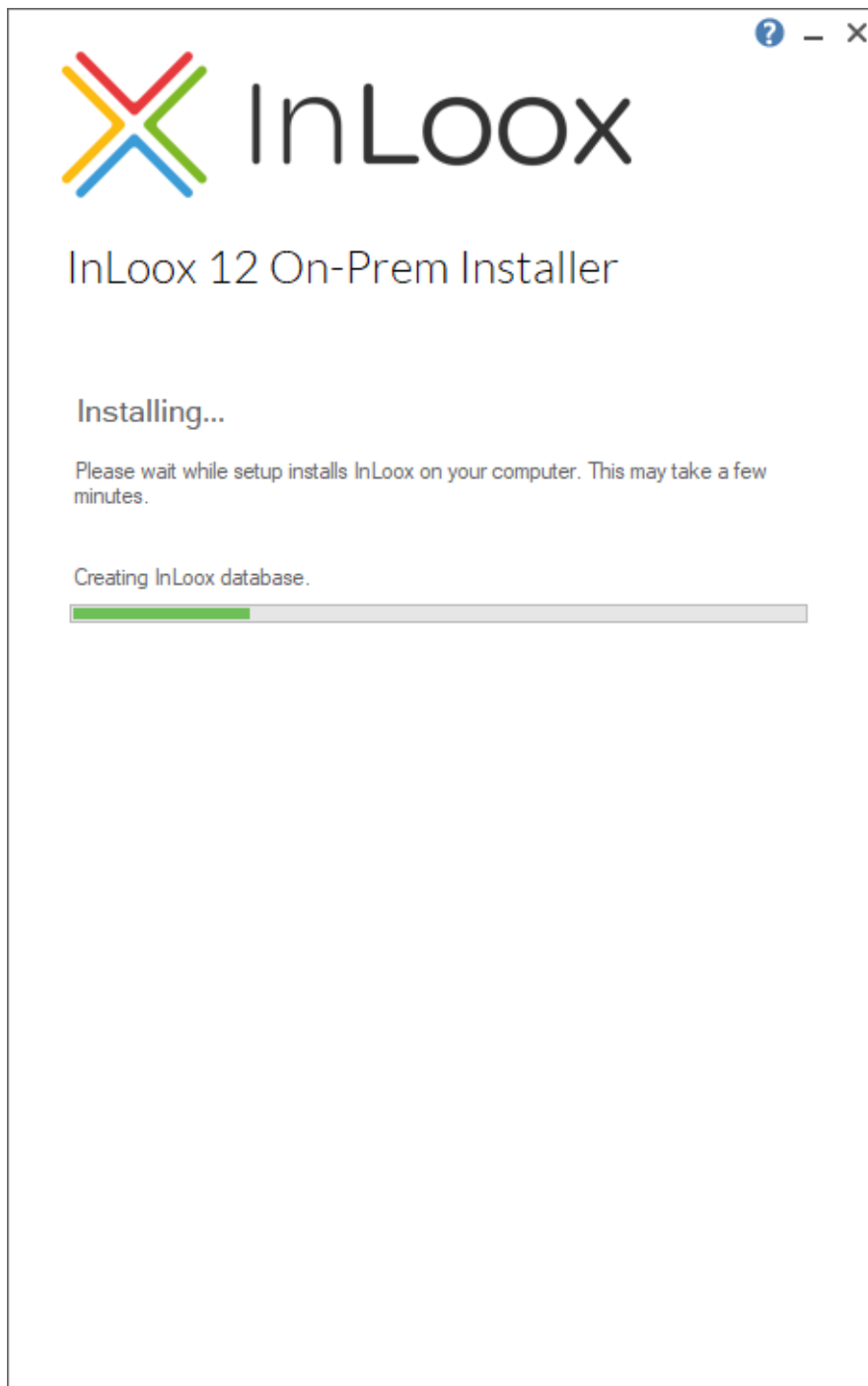
The connection must then be tested.



The screenshot shows a window titled "InLoox 12 On-Prem Installer". At the top left is the InLoox logo, a stylized 'X' with four colored arms (red, green, blue, yellow). To the right of the logo is the text "InLoox". Below the logo and title is the text "InLoox 12 On-Prem Installer". Underneath is the heading "Proxyserver". A paragraph of text explains that InLoox requires internet access for license information and notifications, and that a system proxy server is not sufficient. A link for "Additional Information" is provided. There are two checkboxes: "Use proxyserver" and "Use anonymous login". Below the "Use proxyserver" checkbox are three input fields for "Server URL", "Username", and "Password". Below the "Use anonymous login" checkbox is a text area with the prompt "Please test your settings to proceed." and a green "Test" button. At the bottom of the window are two green buttons: "Back" and "Next".

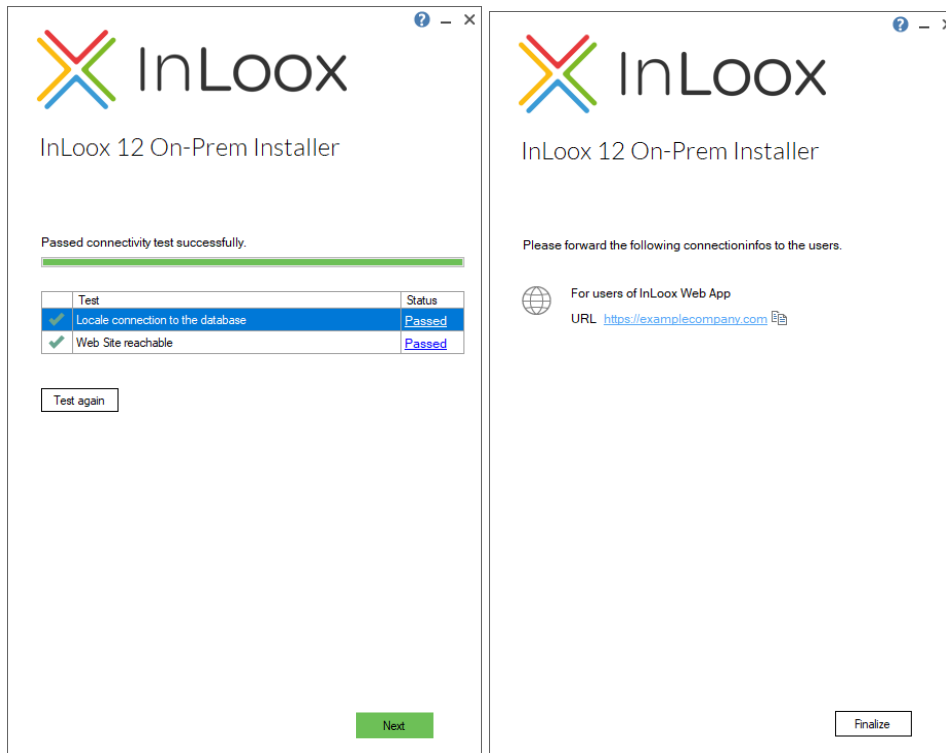
Detailed information can be found via [this link](#).

11. The databases will now be created/initialized.



Depending on your operating system configuration, the **User Account Control** dialog box may appear. Click **Yes**.

12. After the installation is complete, the database and website configuration will be automatically tested.



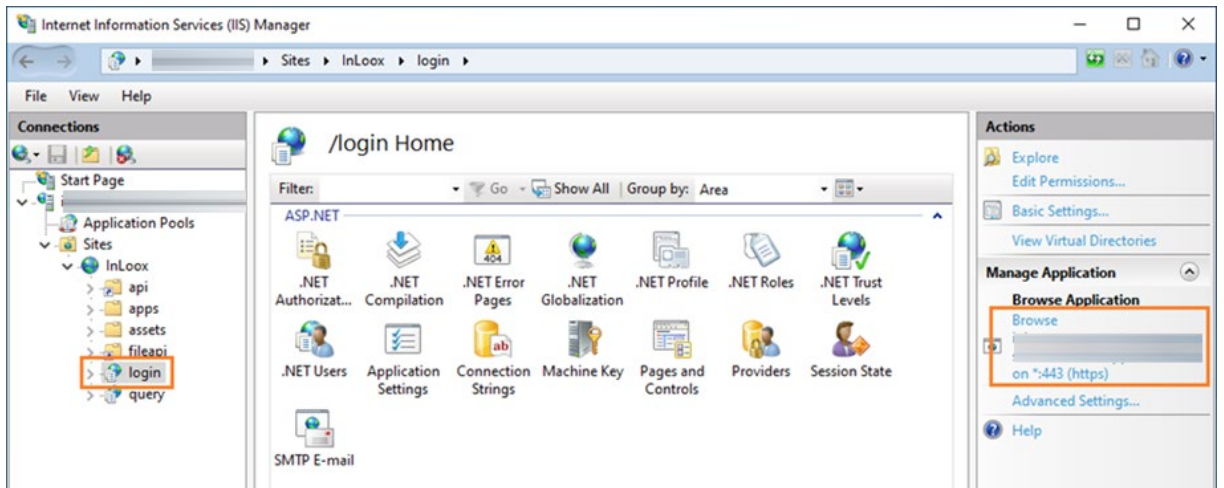
Click **Next**.

13. Click Finalize to complete the installation.

14. The InLoox WebApp can now be accessed via the previously defined URL (see step 4).

Alternatively: Switch to the **Internet Information Services (IIS) Manager**.

In the left tree view, navigate to **InLoox -> login** and click on **[address] Browse** in the right-hand side panel.



15. A browser window will open with the **InLoox installation setup**. Create your **administrator account** by clicking **Create Account**.



## InLoox Installation Setup

Create an Admin user to finish your InLoox Setup

Name

John Doe

Email

john.doe@examplecompany.com

Password

.....

Use 8 or more characters with a mix of letters and numbers.

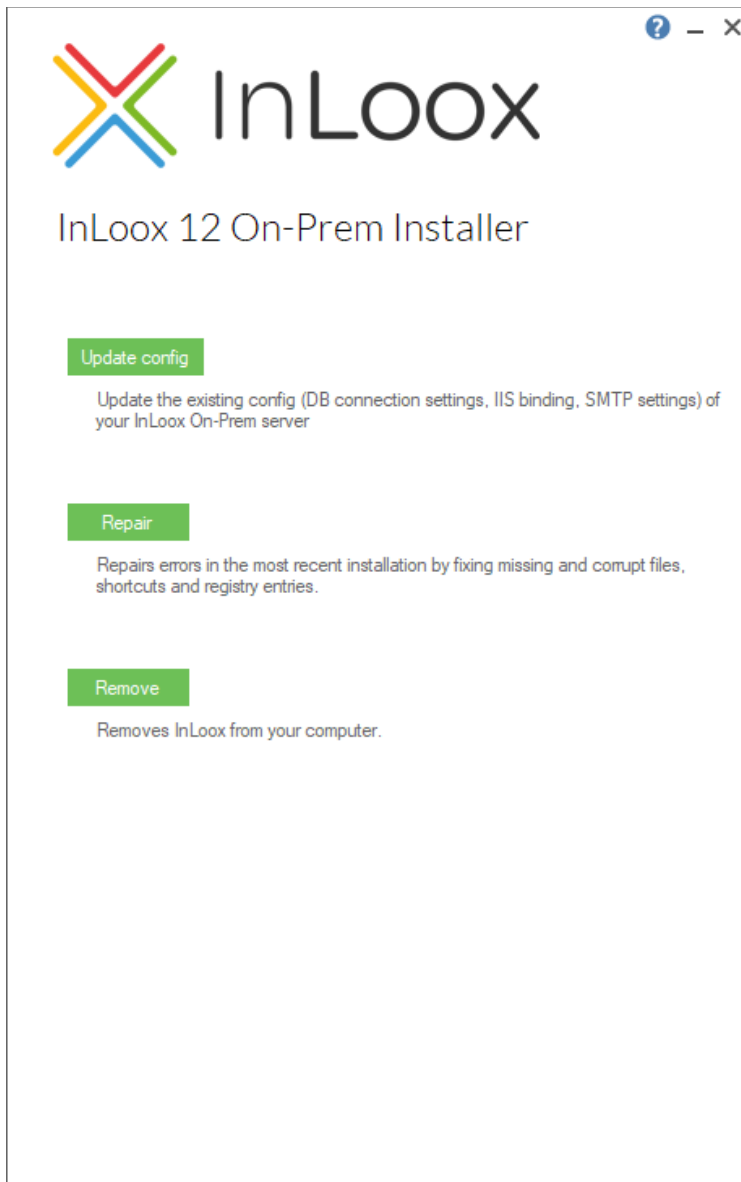
I agree with the [end-user license agreement](#) and the [terms and conditions](#)

Create Account

16. You will now be automatically logged in. This process may take up to a few minutes.

## Configuration mode

The configuration can be changed even after the installation is complete. To do so, restart the corresponding installation process as an administrator using the **InLoox\_OnPrem\_Server\_12xx.exe** file. Alternatively, you can also initiate the changes via the entry in the **Control Panel**.



Click on **Update config** here.

You can now modify the desired information in the installation routine and complete the installation process again. The installer has cached the previously entered information (except for the certificate), so you only need to adjust the information you wish to change.

**Important:**

All services used by InLoox will be restarted after updating the config, causing the app to be temporarily unavailable.

## Troubleshooting

If errors occur during the general installation, you can find the corresponding log files in the %temp% directory.

Please provide these files to InLoox Support for analysis via email ([support@inloox.com](mailto:support@inloox.com)).