

INSTALLATION GUIDE

**Tech**  **IS**  
[www.techis.eu](http://www.techis.eu)



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Všechné informace obsažené v tomto dokumentu zůstávají pouze a výlučně vlastnictvím společnosti ELVAC a nesmí být příjemcem zveřejněny třetí straně bez předchozího písemného souhlasu společnosti.

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## TechIS installation prerequisites

### Prerequisite 1.



To successfully install TechIS, Microsoft.NET Framework version 4.7.2 or higher needs to be installed.

Web installer (requires an internet connection during installation) and installation instructions can be found at website <http://www.microsoft.com/en-gb/download/details.aspx?id=17851>

The full version of installer and installation instructions are available at the website <http://www.microsoft.com/cs-cz/download/details.aspx?id=17718>

In case the minimum version of .NET Framework is not met, the installation program displays an error with the download links. When .NET Framework installed, you need to run the installer again.

### Prerequisite 2.



#### TECHIS SYSTEM PREREQUISITES

For more information visit [www.techis.eu](http://www.techis.eu)

### Prerequisite 3.

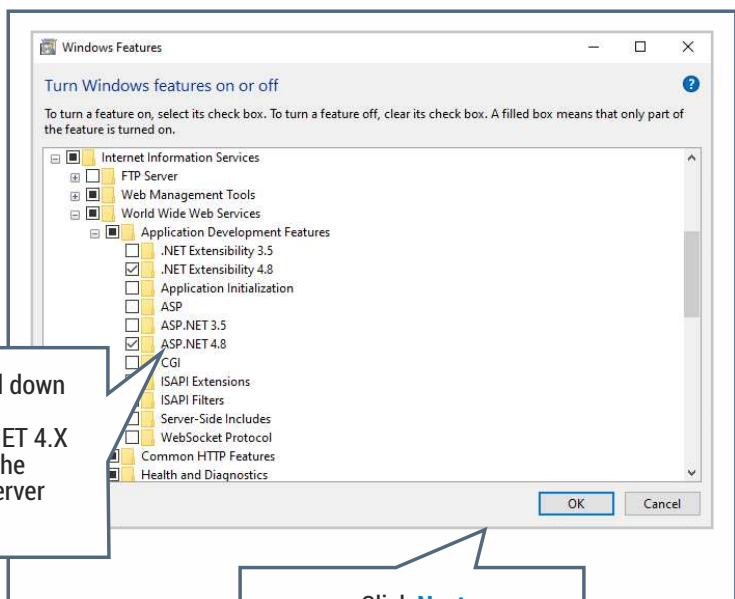


To successfully install the web application, it is necessary to:

click on ASP .NET 4.X – the last digit differs based on system and .NET Framework installation.

The related IIS extensions are automatically selected (in case of the desktop) or offered to install (in case of the server).

On features/roles window scroll down to WebServer => Application Development and check ASP .NET 4.X (the last digit differs based on the installed version of Windows Server and .NET Framework).

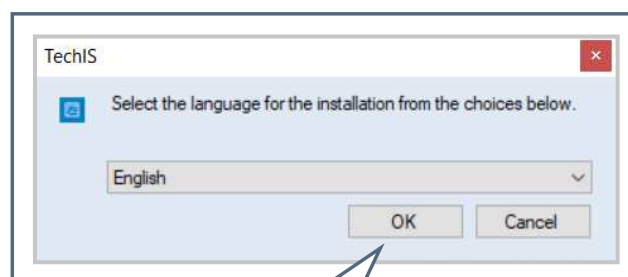


Click **Next** to continue the installation

## TECHIS INSTALLATION INSTRUCTIONS

### Step 1.

#### Selecting installation language



Select language and click **OK**.

### Step 2.

#### Main installation screen



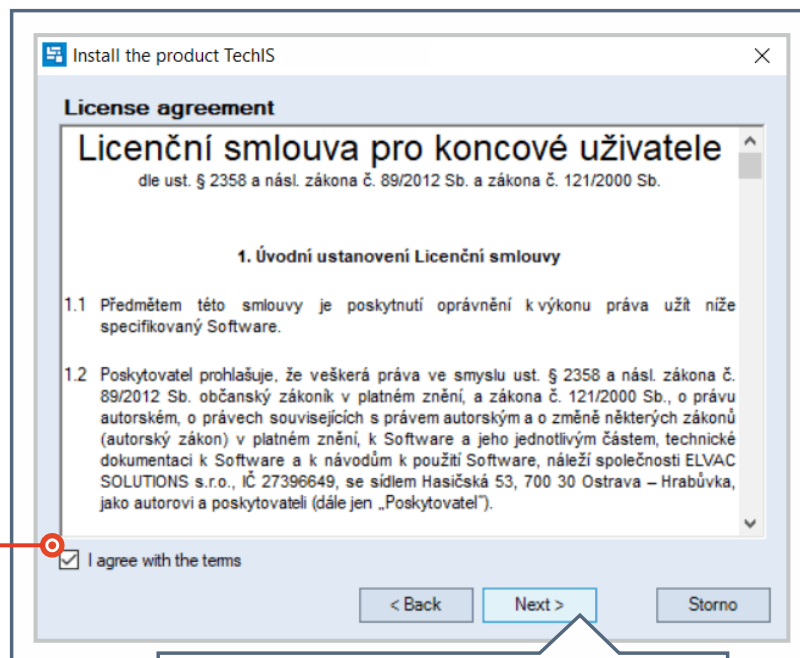
Click **Next**  
to continue

## TECHIS INSTALLATION INSTRUCTIONS

### Step 3.

#### License agreement

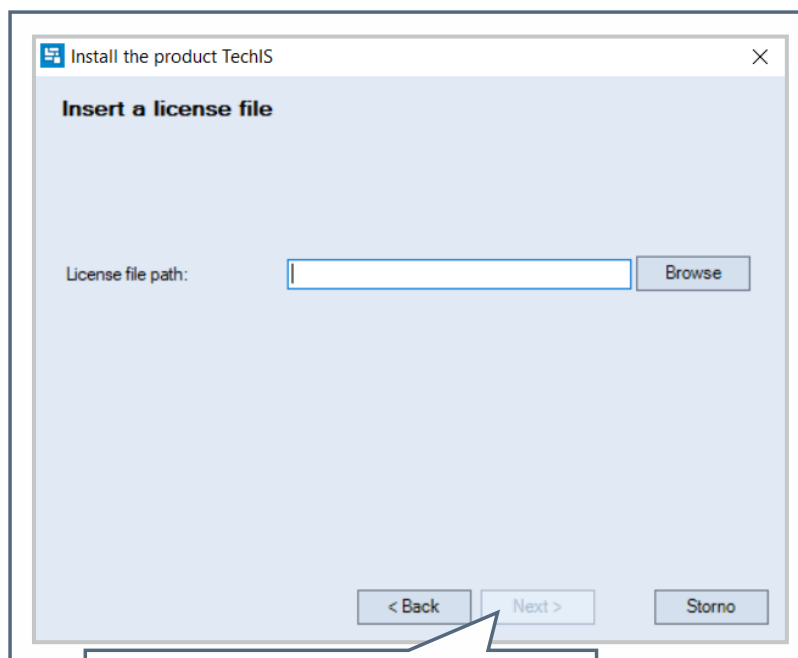
You have to agree to the Terms of use by clicking the checkbox I agree with terms...



When the Terms are accepted, the **Next** button is activated.

### Step 4.

#### Inserting license file



Insert valid license and click **Next**.

## Database configuration for TechIS product

# Step 5.

### Database connection settings

The database server connection and initialization of the TechIS database is configured on this screen.



If you are not sure about any of the database configuration items, please contact your system administrator or IT department.

**DATABASE TYPE**  
Microsoft SQL Server.

**SERVER ADDRESS**  
IP address or server name  
(e.g.: localhost, 127.0.0.1, 168.192.44.11, dbserver etc.).

**PORT**  
Keep the default settings or change based on database server settings.

**USERNAME**  
Username (only if SQL Server Authentication is selected).

**PASSWORD**  
The user password (only if SQL Server Authentication is selected).

**DATABASE**  
Name of the database which will be used by TechIS.

**IN CASE...**  
If you use Microsoft SQL Server 2012 and newer or your account "NT AUTHORITY\System" has been deleted for safety reasons from sysadmin role of SQL server, you need to select SQL Server Authentication.

**Use the CONNECTION TEST for login verification.**

**FOR EXPERIENCED USERS ONLY**  
By choosing **Skip database initialization at installation** there will be no database operation executed and the system administrator needs to initialize database manually. This option allows for example transfer data created in different instance of the product. This option is intended for experienced users and database server administrators.

**DATABASE INITIALIZATION SETTINGS**  
TechIS installer will initialize the database during installation.  
**Creating + schema+data** - new database and its schema is created, default TechIS data initialized (recommended).  
**Schema + data** - only schema is updated and TechIS data initialized.

The screenshot shows the 'Database server configuration' window with the following fields and options:

- Database type: Microsoft SQL Server
- Server address: localhost
- Port: 1433
- Login type: SQL Server Authentication
- Username: (empty)
- Password: (empty)
- Database: TechIS
- Connection test button
- Options:
  - ☐ Skip database initialization at installation
  - ☒ New database
  - ☐ Existing database (deleting an existing one, creating a schema, importing data)
- Buttons: < Back, Next >, Storno

## Deciding mode for the TechIS system

# Step 6.

### TechIS system

TechIS can be operated in two modes, local and network mode.

#### LOCAL MODE

The system components are installed only on this computer. All directories and files are stored locally.

Click **Next** to continue installation to confirm and finish the installation

#### NETWORK MODE

Configures the TechIS components to operate in network mode - when the product is used by multiple users. The configuration of this setting is described in the chapter Configuring network version of TechIS.

#### STANDALONE ISS SERVER

Only for network mode. Select this option in case that the server you are installing TechIS on, won't serve as a web server for TechIS Web Terminal and/or TechIS Mobile.

The source files are located in the installation directory.

Install the product TechIS

### Method of system operation

Please choose how you will operate the TechIS system.

☒ Local installation
 ☐ Standalone IIS server - the TechIS web part runs on another server

☒ Network installation

UNC network path to the shared folder for client-side updates  
 \\KOZIELOVA-NB\\TechIS

UNC network path to the shared folder for installation  
 \\KOZIELOVA-NB\\TechIS Test

The TechIS installer will copy the main application files to this location. To distribute TechIS to its users, use TechISClientInstaller to install it on client workstations. This application will be located in the folder where this product is installed (see the following screen).

Please make sure that all TechIS users have access to this network storage using the specified network path.

< Back
Next >
Storno

## Choosing operation methods of TechIS system

### Configuring network version of TechIS

In order to run the TechIS system in network mode, you need to set up a shared folder for update files of client applications.



#### INFORMATION FOR USERS

At this step, one is allowed to specify two representations of the same network folder. It is useful for situations when it is desirable to restrict TechIS users' access to this folder in read-only mode or use different UNC name. The shared folder for installation then must allow write access for user providing installation thus the separation of the access rights for TechIS users and IT administrators is ensured.

When this is not the case, enter the same UNC path in both fields.

#### UNC network path to the shared folder for client updates

The shared folder in format \\server\folder is used for client update of TechIS system.



TechIS users must have read-only permission on the folder.

#### UNC network path to the shared folder for installation

Folder for installation. User running the installation must have write permission.

The path and permissions can be verified by the Test button. If the path is valid, the NEXT button is activated.



# Step 7.

## Finishing TechIS installation

Choosing the TechIS files location and additional settings.

The address at which the web application will be available after installation. The final address will be in the form  
**http://domena/WebTerminal/**  
 (e.g. <http://techis.solutions.eu/WebTerminal/>)

When selecting https protocol, you need to choose and import certificate.

For local mode of TechIS it is possible to choose if the **desktop shortcut** and **Start menu shortcut** shall be created.

By clicking on the **Install** button, the TechIS product will be installed.

There are two types of document storage available – database and filesystem storage.

If the filesystem storage is selected the folder for data has to be specified

(e.g. **D:\DMS** for local storage, or **\\SERVER\DMS** for network storage.)



The file service requires read/write permissions to this folder for correct operation.



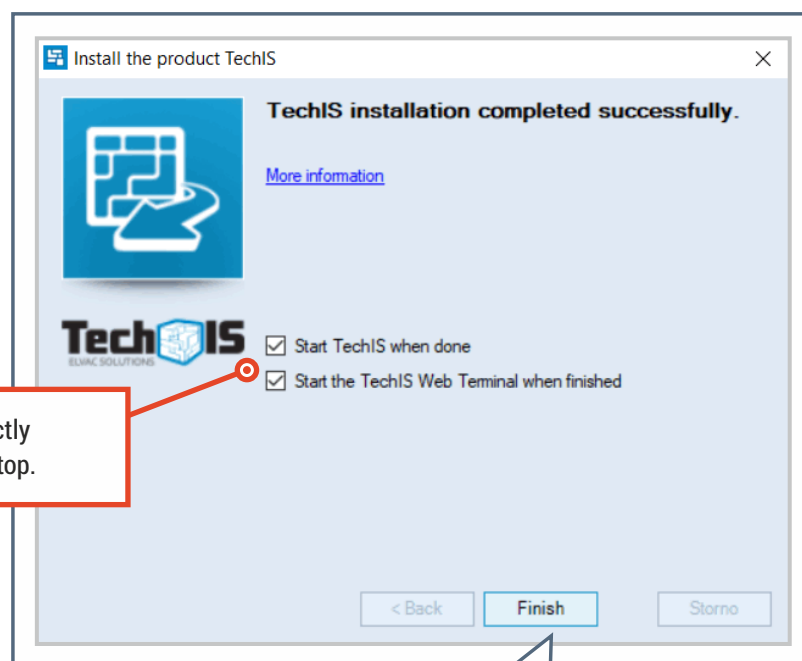
During the installation the prerequisites for the web application are verified. If IIS v 7.0 and higher or .NET v 4.5 and higher are not installed, the user will be notified and has to run installation again when both prerequisites are installed

## Step 8.

### Finalizing TechIS installation

After successful installation, a confirmation screen is displayed.

The TechIS system can be started directly from here or using the icon on the desktop.



Close the dialog by **Finish** button.

## STANDALONE IIS SERVER CONFIGURATION

In case you have chosen STANDALONE IIS SERVER, you need to configure IIS server to run TechIS web application.

The Web application is comprised of two applications: OData service and WebTerminal. After TechIS installation, archived files of these applications are located in the installation directory.



To run web application, you need to install .NET 4.7.2 or higher and register it in IIS.



To run OData service correctly, you need to enable 32-bit applications to run (step 4).



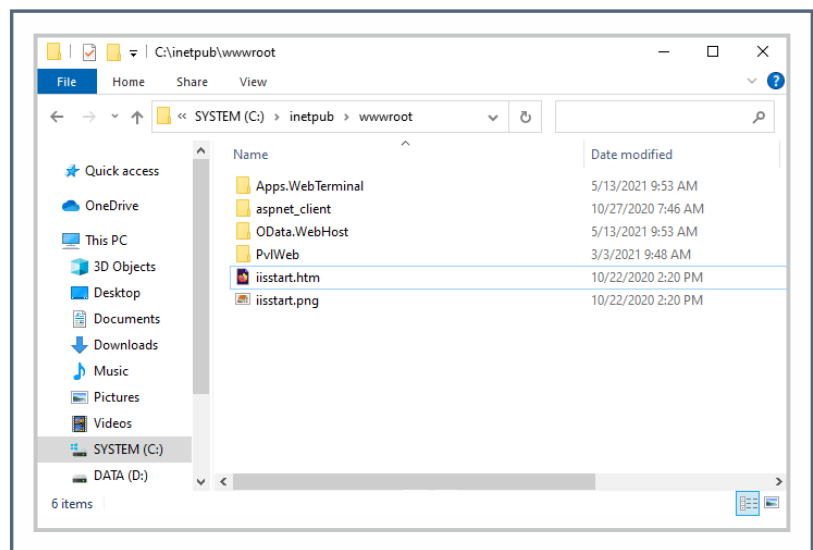
To enable communication between OData service and WebTerminal, you need to setup address on which the OData service runs in configuration file of WebTerminal (step 5).

## Step 1

### Inserting configuration files

After the TechIS installation, archives **Apps.WebTerminal.zip** and **OData.WebHost.zip** are located in the installation directory in the folder **WebApplicationInstaller**.

You need to unzip these files into **C:\inetpub\wwwroot** folder.

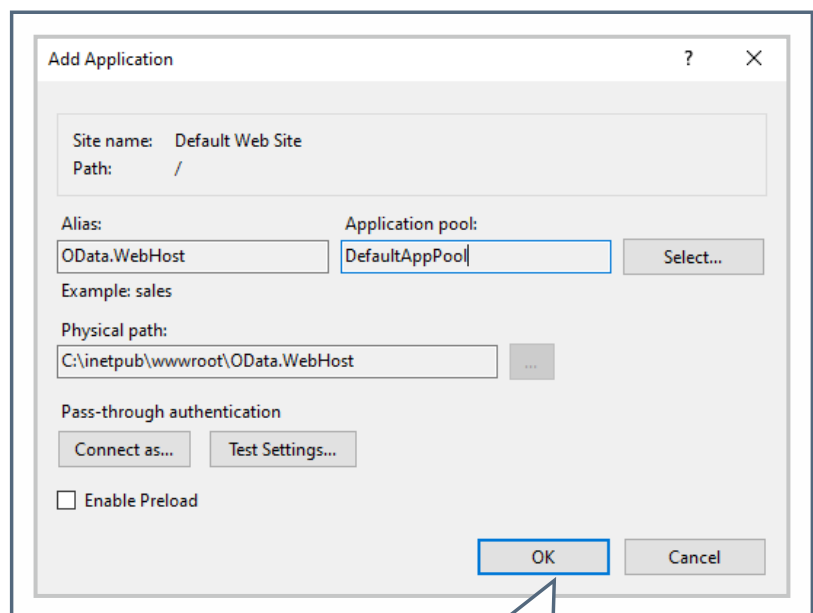
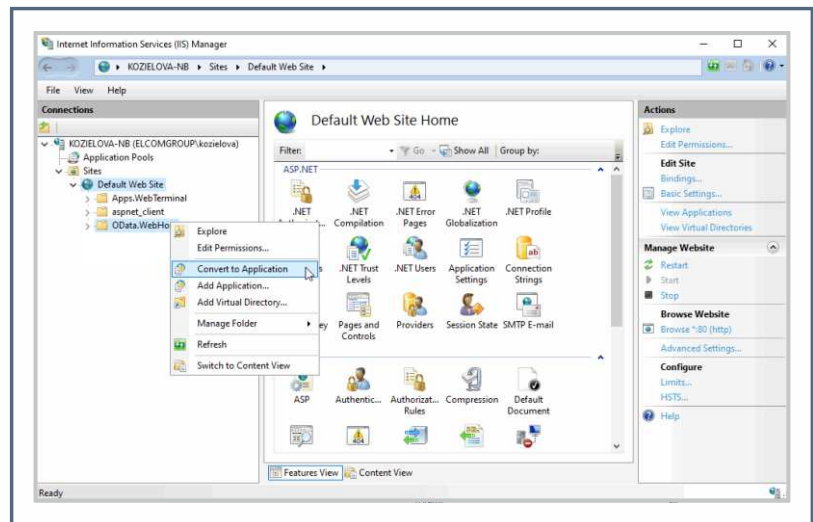


## Step 2.

### Converting OData to application

Navigate to **Sites - Default Web Site** in **Internet Information Services (IIS) Manager**. The files unzipped in previous step are shown here.

Right-click on **OData.WebHost** folder and then click **Convert to Application**.

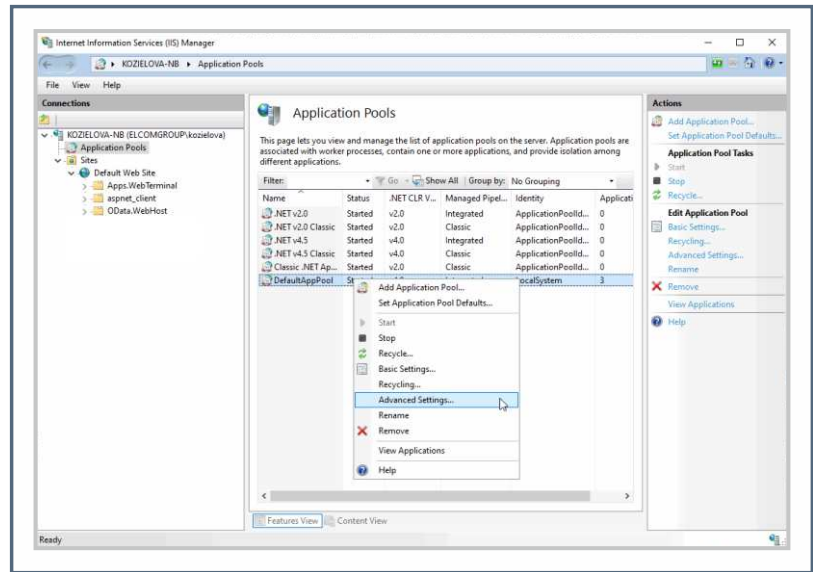


Click **OK** to continue.

## Step 3.

### Application Pools

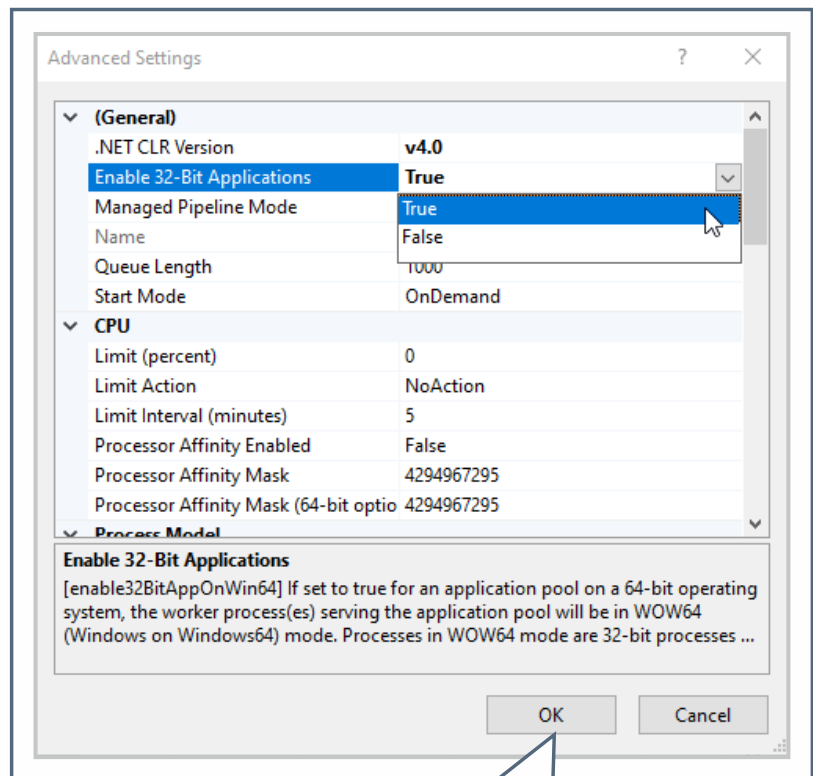
Go to **Application Pools**, right-click **DefaultAppPool** and then click on **Advanced Settings...**



## Step 4.

### Enabling 32-bit applications

Set **Enable 32-Bit Applications** to **True**.



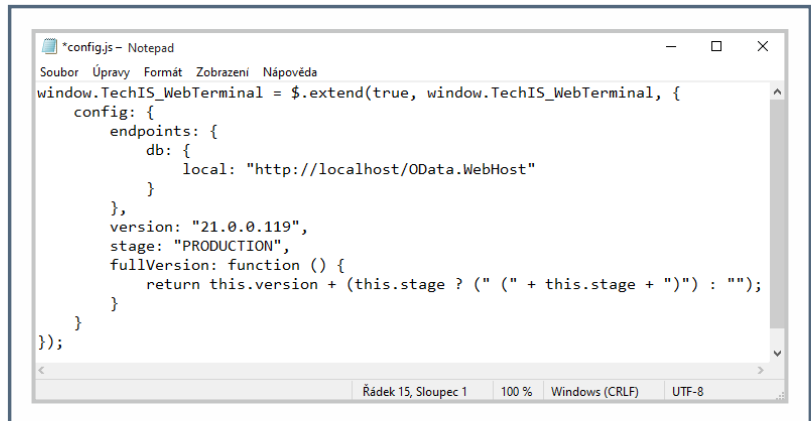
## Step 5.

### Configuring OData service

Go to **C:\inetpub\wwwroot\Apps.WebTerminal** folder and open **config.js** file.

Enter the URL, the OData service is running on (e.g. **http://localhost/OData.WebHost**).

Save the file.

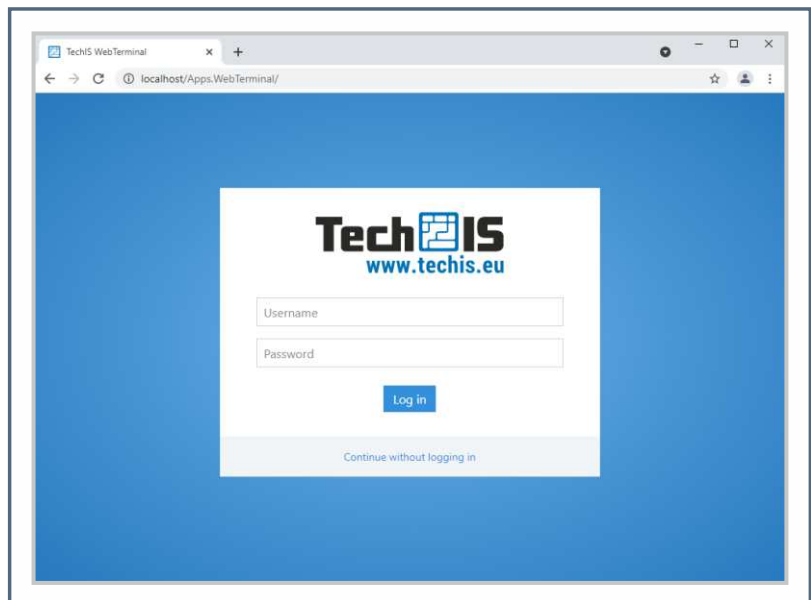


```
*config.js - Notepad
Soubor  Úpravy  Formát  Zobrazení  Nápověda
window.TechIS_WebTerminal = $.extend(true, window.TechIS_WebTerminal, {
  config: {
    endpoints: {
      db: {
        local: "http://localhost/OData.WebHost"
      }
    },
    version: "21.0.0.119",
    stage: "PRODUCTION",
    fullVersion: function () {
      return this.version + (this.stage ? (" (" + this.stage + ")") : "");
    }
  }
});
```

## Step 6.

### Running WebTerminal

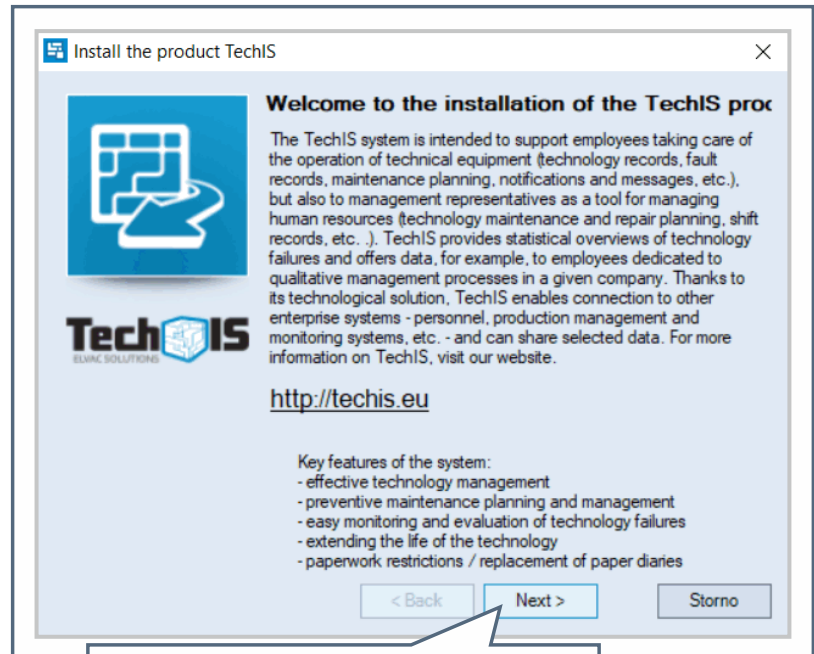
Open the WebTerminal URL (e.g. **http://localhost/Apps.WebTerminal**) in your browser.



## UPDATE INSTRUCTIONS

### Step 1.

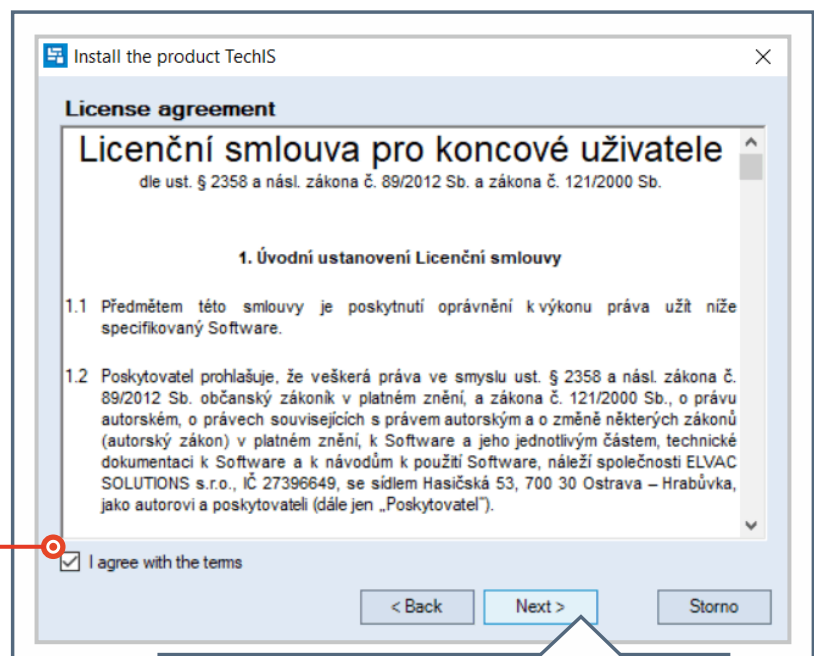
#### Main update screen



Click **Next** to continue

### Step 2.

#### License agreement



You have to agree to the Terms of use by clicking the checkbox I agree with terms.....

When the Terms are accepted, the **Next** button is activated

## Step 3.

### Inserting license file

The screenshot shows a window titled "Install the product TechIS" with a close button (X) in the top right corner. The main heading is "Insert a license file". Below it, there is a label "License file path:" followed by a text input field and a "Browse" button. At the bottom of the window, there are three buttons: "< Back", "Next >", and "Storno". A callout box points to the "Next >" button with the text: "Insert valid license and click **Next**."

## Step 4.

### Locating web components

The options on this screen affect the settings of the web components of the product.

The screenshot shows a window titled "Install the product TechIS" with a close button (X) in the top right corner. The main heading is "Location of web components". Below it, there are several fields: "Path to product web components:" with a text input field containing "C:\inetpub\wwwroot\TechIS" and a "Browse" button; "Web application domain:" with a text input field containing "KOZIELOVA-NB" and a "Port:" label with a spinner box set to "80"; and "Document storage type:" with a dropdown menu showing "Database storage". At the bottom of the window, there are three buttons: "< Back", "Next >", and "Storno". A callout box points to the "Next >" button with the text: "Click **Next** to continue."

The address at which the web application will be available after installation. The final address will be in the form **http://domena/WebTerminal/**

(e.g. <http://techis-solutions.eu/WebTerminal/>)

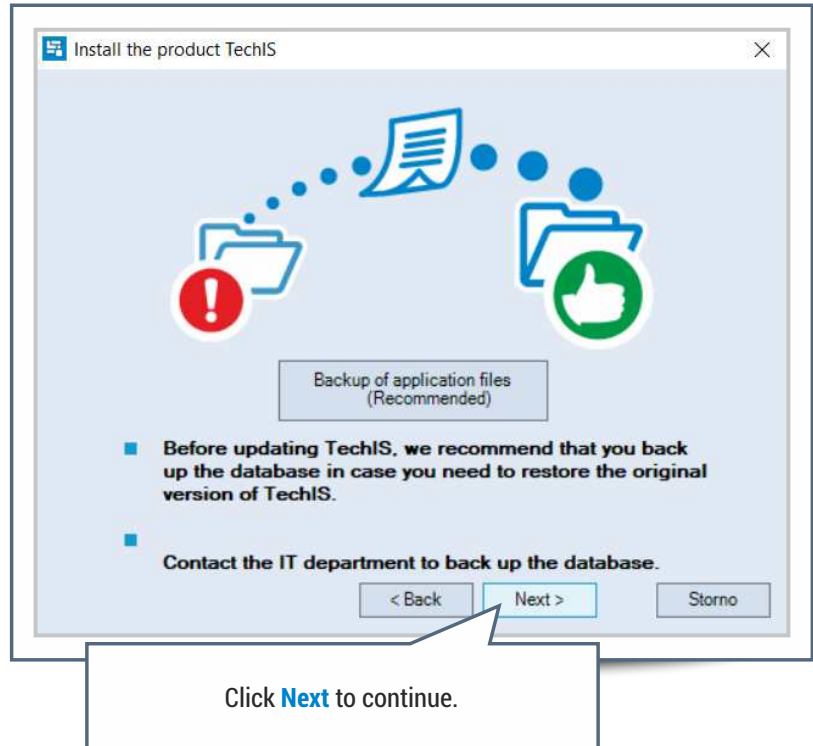
Dokumenty budou po aktualizaci ukládány do vybraného typu uložení. Dokumenty z předchozí verze budou po aktualizaci umístěny v databázi.



## Step 5.

### Application files backup

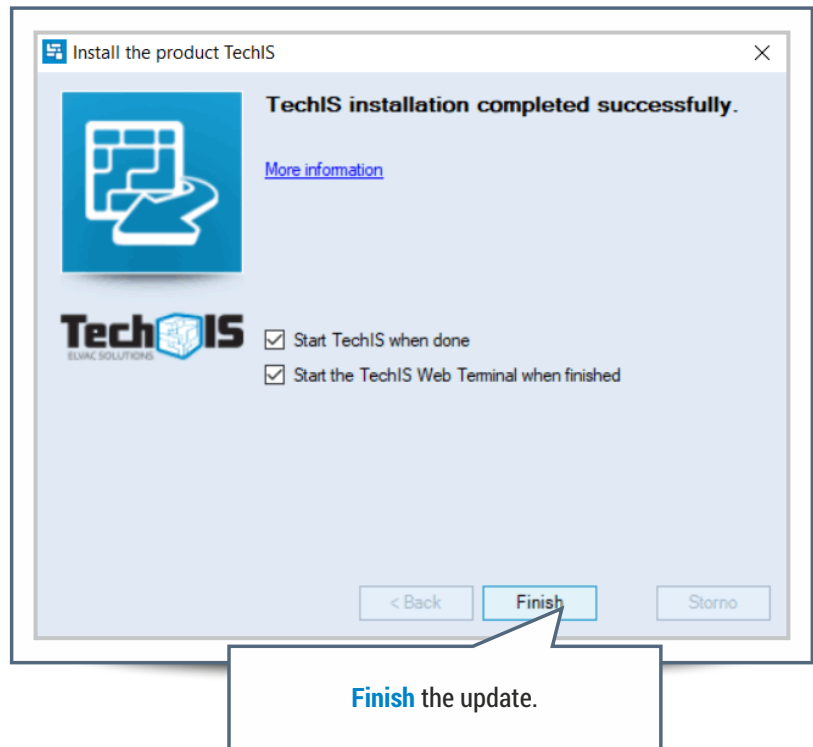
It is highly recommended to backup application files before updating the product. This backup will help you restore the original version of the product if necessary.



## Step 6.

### Finish update

After a successful TechIS update, a confirmation screen is displayed.





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