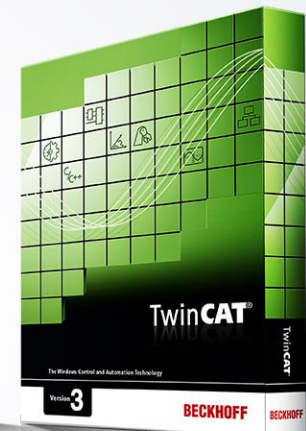
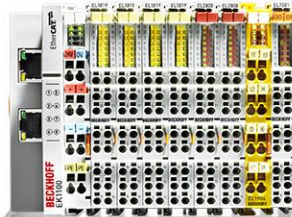


TwinCAT Installation

BECKHOFF



- Package Management
- Downloading from the web
- XAE vs XAR

What is it?

Package management is an alternative for monolithic installers

Example “Setup.exe”



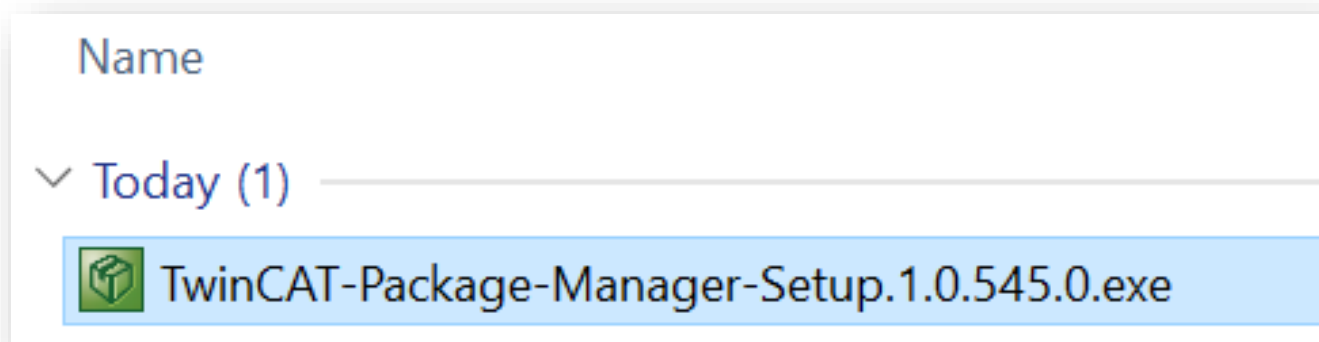
TC31-FULL-Setup.3.1.4024.56.exe

Type: Application

Date modified: 4/3/2024 9:52 AM

Size: 1.35 GB

- Package Management is a modern software deployment approach
- No monolithic installers
 - Faster update life cycles
 - Smaller, more modal components
 - Easy management of “Workloads”

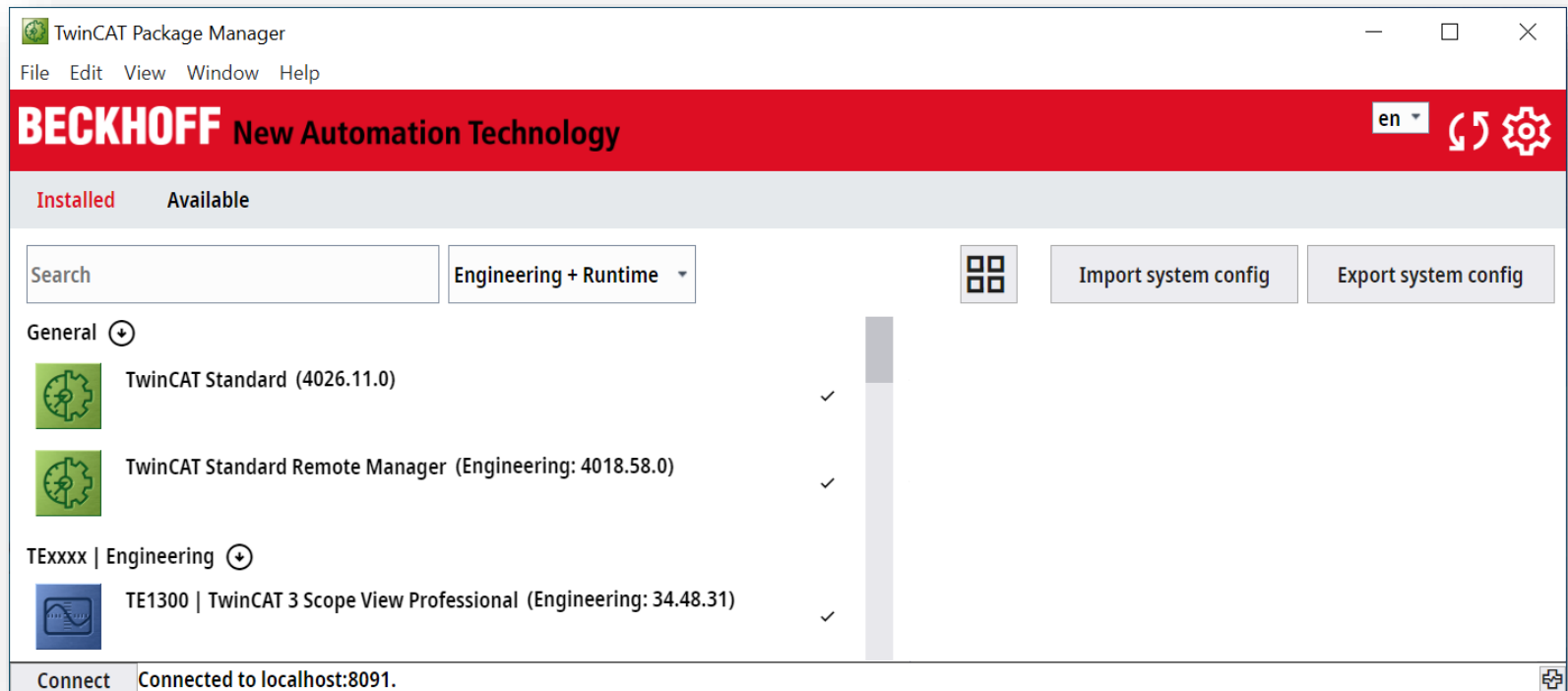


- TwinCAT up to version 4024
 - Monolithic installers
 - TwinCAT functions independently downloaded and installed from Beckhoff.ca
 - Quarterly software updates and optimization delivery
 - Manual engineering system version management

	TC31-ADS-Setup.3.1.4024.56.exe Type: Application	Date modified: 4/3/2024 11:46 AM Size: 159 MB
	TC31-FULL-Setup.3.1.4024.56.exe Type: Application	Date modified: 4/3/2024 9:52 AM Size: 1.35 GB
	TC31-XAR-Setup.3.1.4024.56.exe Type: Application	Date modified: 4/3/2024 11:44 AM Size: 181 MB

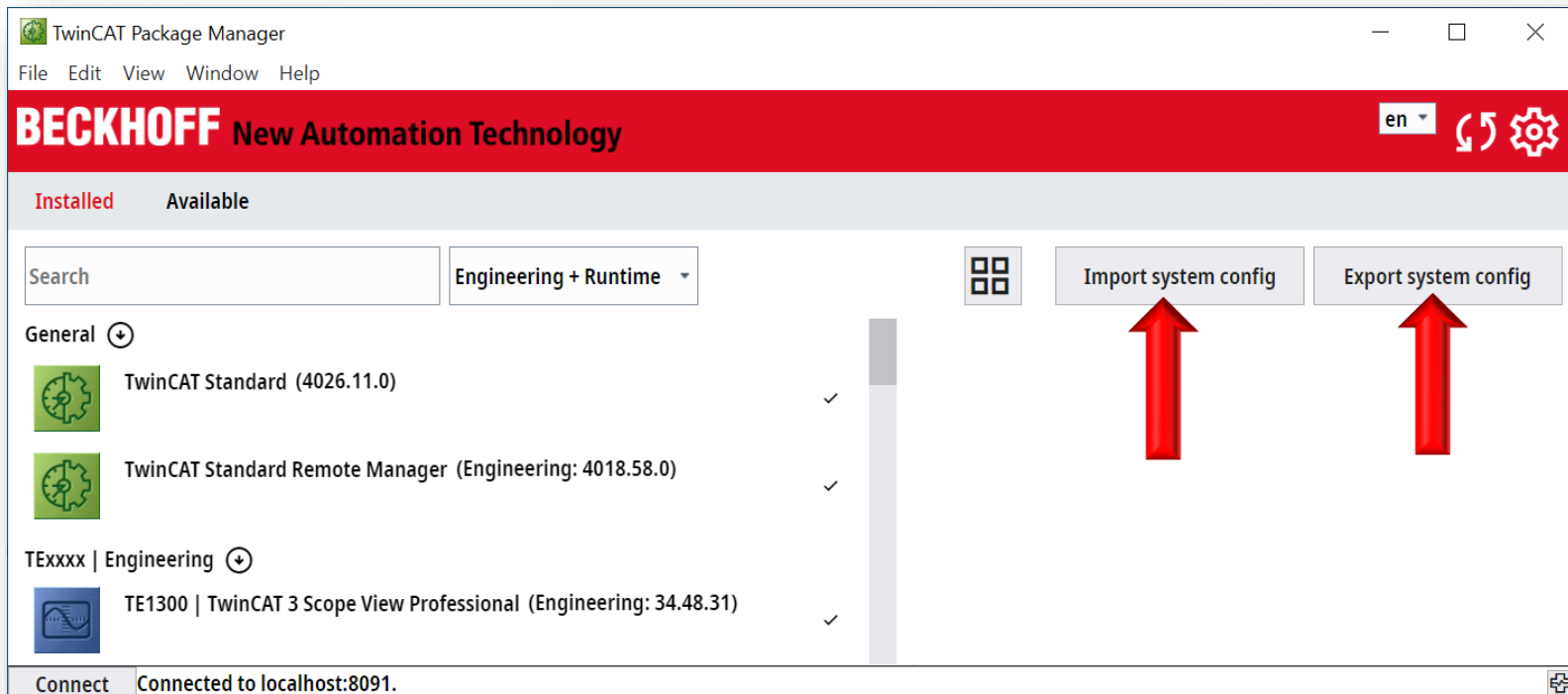
Moving forward from TwinCAT 4026

- Package management
- Single tool for Engineering and Runtime system deployment
- Easy deployment version management via “Workloads”



TcPkg Features

- Download, install, upgrade, repair and uninstall of all software
- Continuous updates available per package
- Easy deployment version management via “Workloads”
 - Workload: XML List of packages with specified versions



- Remote manager builds to support previous TwinCAT major builds
 - 4018, 4020, 4022, and 4024
- CLI for advanced users and automated management



The screenshot shows a Windows Command Prompt window with the title bar "Select C:\Windows\system32\cmd.exe". The command prompt shows the user 'christ' at the 'C:\Users\christ' directory. The command 'TcPkg list --installed' has been executed, resulting in the following output:

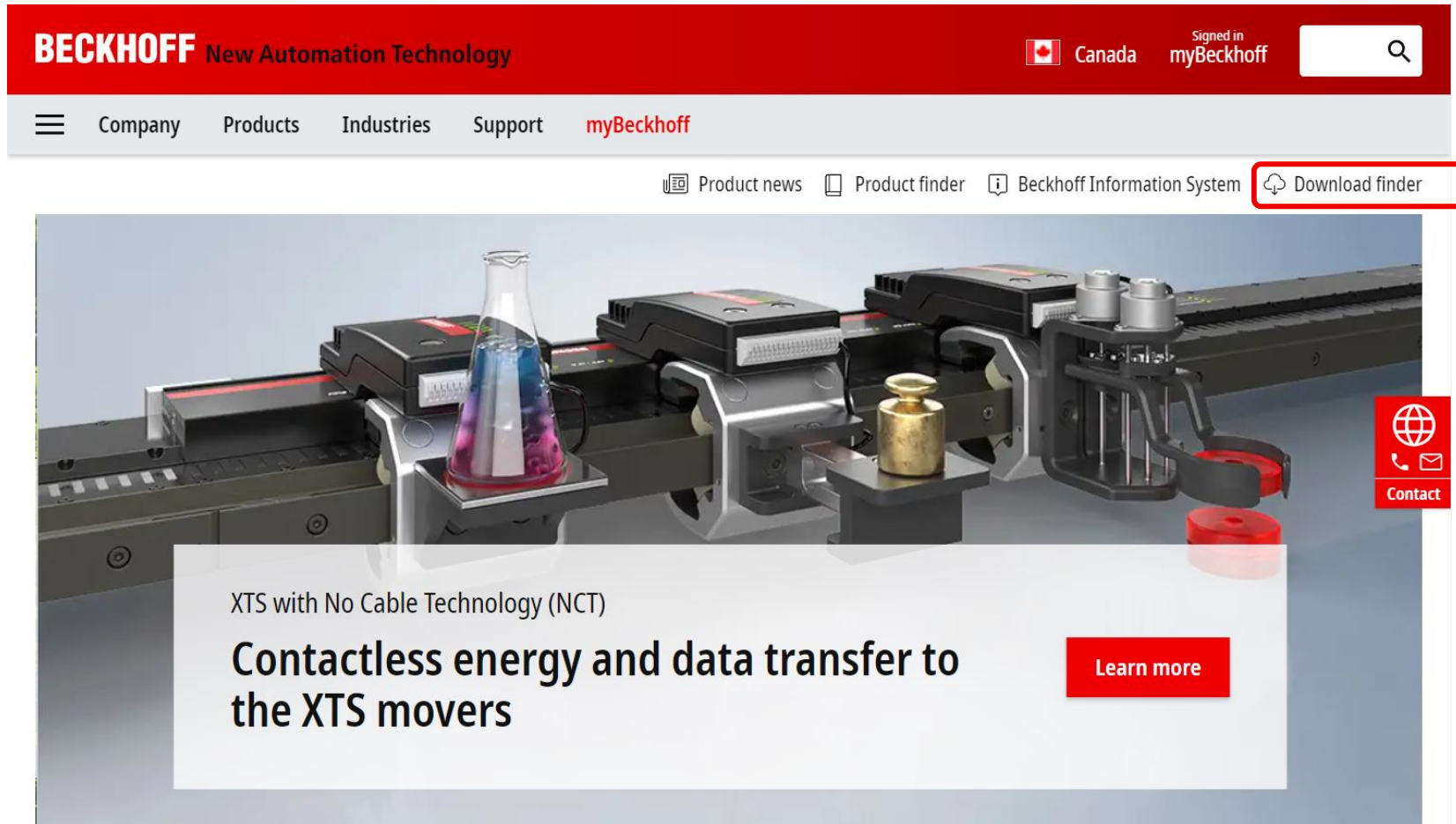
```
C:\Users\christ>TcPkg list --installed
TcPkg 2.1.90
TwinCAT.Standard.XAE 4026.11.0
TwinCAT.Standard.XAP 4.26.1.0
Vordis148.Beckhoff 1.4.0.0
284 package(s) found.
```

The value '4026.11.0' is highlighted with a red rectangular box.

Downloading TwinCAT 3

BECKHOFF

- www.Beckhoff.ca
Click the 'Download finder'



The screenshot shows the Beckhoff website interface. At the top, there is a red header with the Beckhoff logo and the tagline 'New Automation Technology'. To the right of the header, there is a navigation bar with links for 'Canada', 'Signed in myBeckhoff', and a search icon. Below the header, there is a secondary navigation bar with links for 'Company', 'Products', 'Industries', 'Support', and 'myBeckhoff'. In the center of the page, there is a row of links: 'Product news', 'Product finder', 'Beckhoff Information System', and 'Download finder'. The 'Download finder' link is highlighted with a red rectangular border. Below this row, there is a large image of a robotic arm (XTS) with a glass flask containing a blue liquid. Overlaid on the bottom of the image is a white text box with the text 'XTS with No Cable Technology (NCT)' and 'Contactless energy and data transfer to the XTS movers'. To the right of this text box is a red button labeled 'Learn more'. In the bottom right corner of the image, there is a red 'Contact' button with a globe icon and a phone icon.

BECKHOFF New Automation Technology

Canada Signed in myBeckhoff

Company Products Industries Support myBeckhoff

Product news Product finder Beckhoff Information System **Download finder**

XTS with No Cable Technology (NCT)

Contactless energy and data transfer to the XTS movers

Learn more

Contact

Downloading TwinCAT 3

BECKHOFF

- Download finder
 - Click “TwinCAT Package Manager”

The screenshot shows the Beckhoff website's 'Download finder' page. The header is red with the Beckhoff logo and navigation links. The main content area has a search bar and a filter button. A red arrow points to the 'TwinCAT Package Manager (TwinCAT 3.1 Build 4026)' link, which is highlighted in a grey box. Below this, there is a section titled 'Software and tools' with four cards. The first card is 'All software and tools'. The second card is 'TwinCAT 3 download | eXtended Automation Engineering (XAE)'. The third card is 'TwinCAT 3 download | eXtended Automation Runtime (XAR)'. The fourth card is 'TwinCAT 3 download | Remote Manager'.

BECKHOFF New Automation Technology

Canada Sign in myBeckhoff Bookmark list

Company Products Industries Support

Home > Support > Download finder

News Product news Product finder Information System Download finder

Download finder

What are you looking for?

Enter search value ...

Filter downloads Show 10599 downloads →

TwinCAT Package Manager (TwinCAT 3.1 Build 4026)

Download now →

Software and tools

All software and tools

TwinCAT 3 download | eXtended Automation Engineering (XAE)

TwinCAT 3 download | eXtended Automation Runtime (XAR)

TwinCAT 3 download | Remote Manager

Downloading TwinCAT 3

BECKHOFF

- Click “EXE”
 - Login to your myBeckhoff account beforehand

The screenshot shows the Beckhoff website's 'Download finder' search results for 'TwinCAT Package Manager (TwinCAT 3.1 Build 4026)'. The version is 1.0.545.0. A red arrow points to the 'EXE (231 MB)' download link, which is labeled 'Login required'. A modal window titled 'Login – Download' is open, asking the user to log in to download the file. The modal includes a 'Register →' link and a 'Log in →' button.

BECKHOFF New Automation Technology

Canada Sign in myBeckhoff Bookmark list

Company Products Industries Support

Support > Download finder > Search result

News Product news Product finder Information System Download finder

Search result

Software and tools

TwinCAT Package Manager (TwinCAT 3.1 Build 4026)

Version

1.0.545.0

EXE (231 MB) Login required

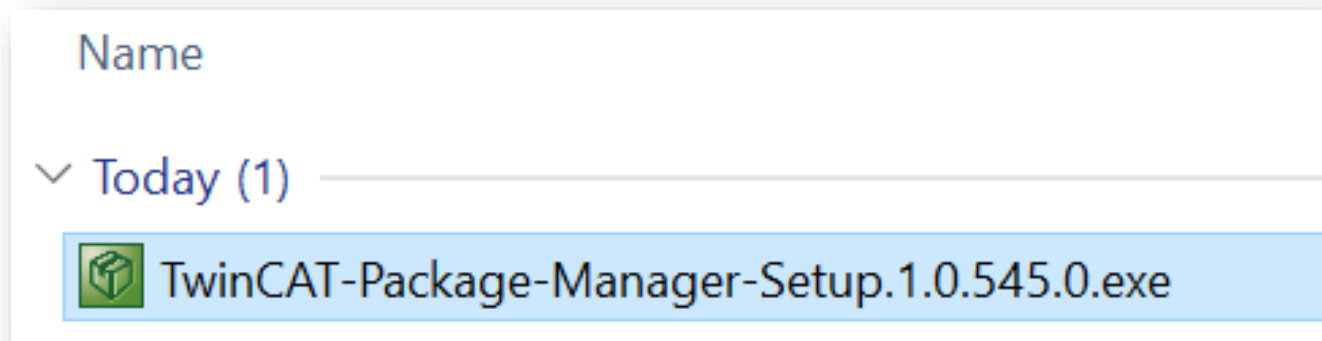
Less information

Login – Download

Please log in to download the following downloads. You haven't registered yet?

Register → Log in →

- Package Management is delivered in two ways
 - CMD line
 - GUI
- Both are installed together
- Right click and “Run as Admin”



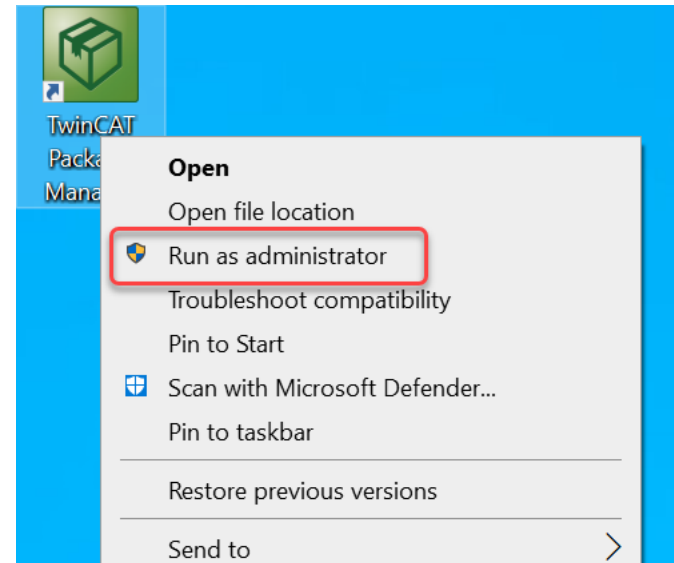
Installing TwinCAT 3

BECKHOFF

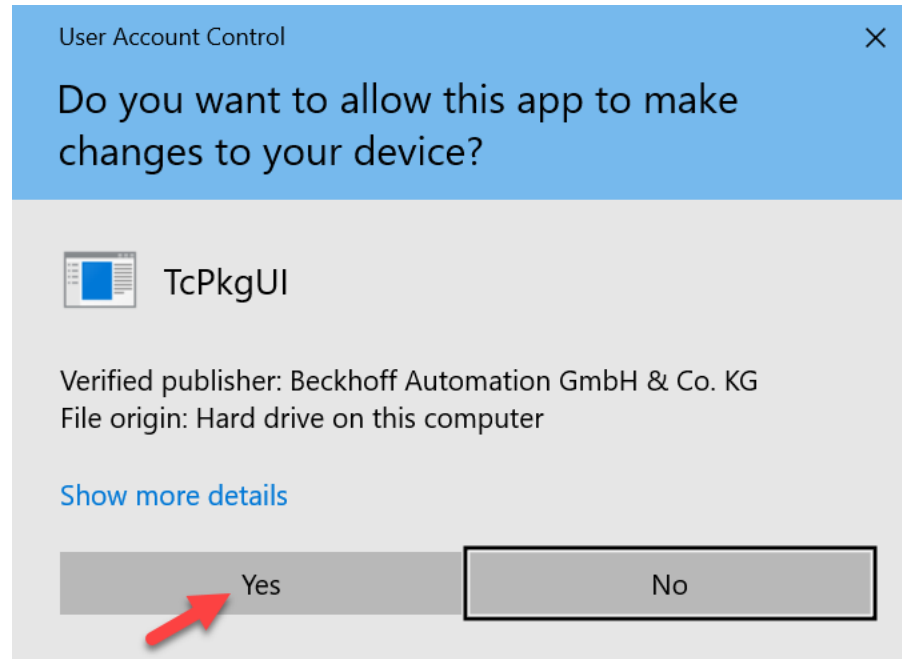
Once the installation is complete

Launch TwinCAT Package Manager

Right Click and “Run as Administrator”

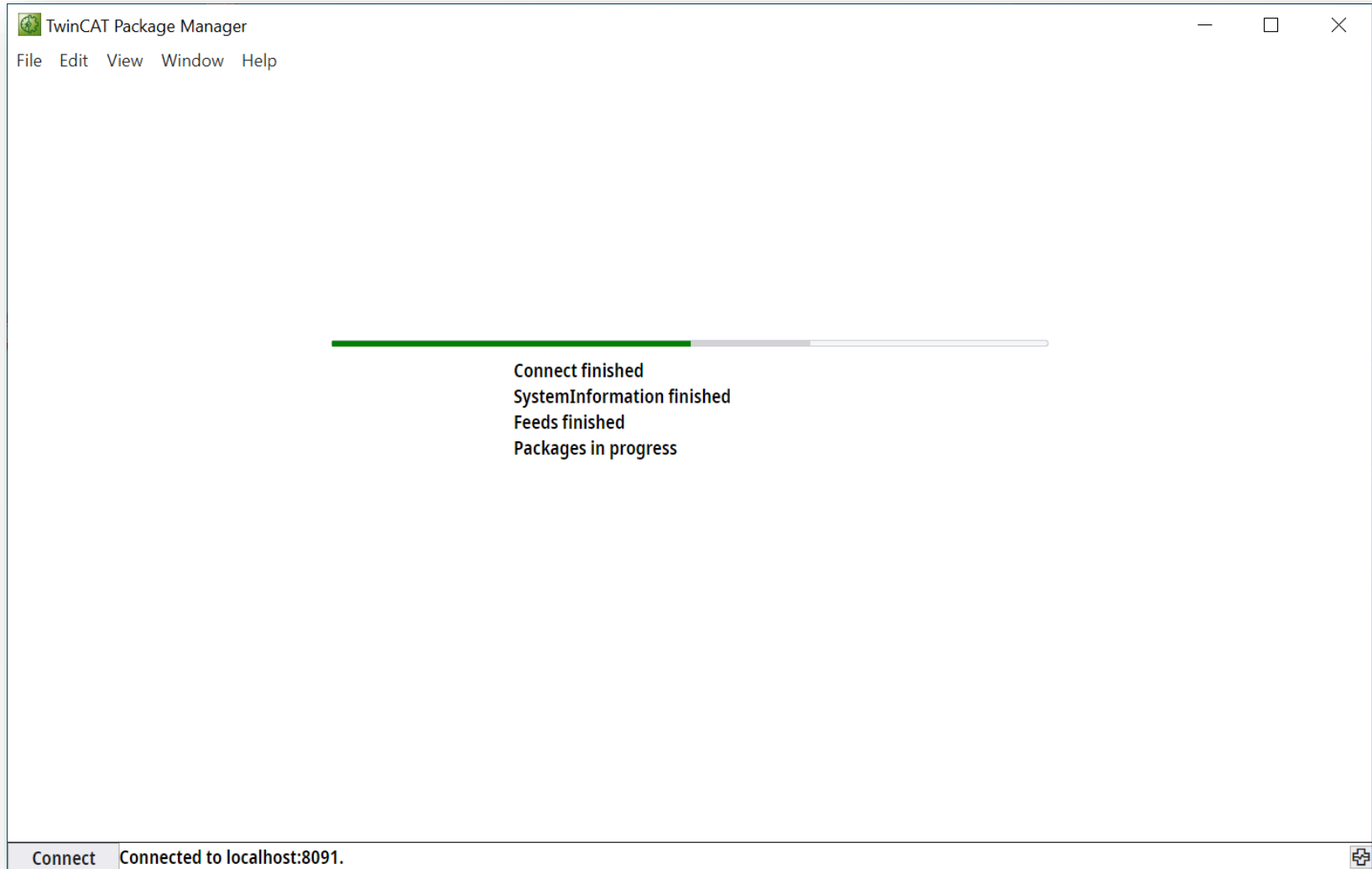


Allow the app to make changes to the PC

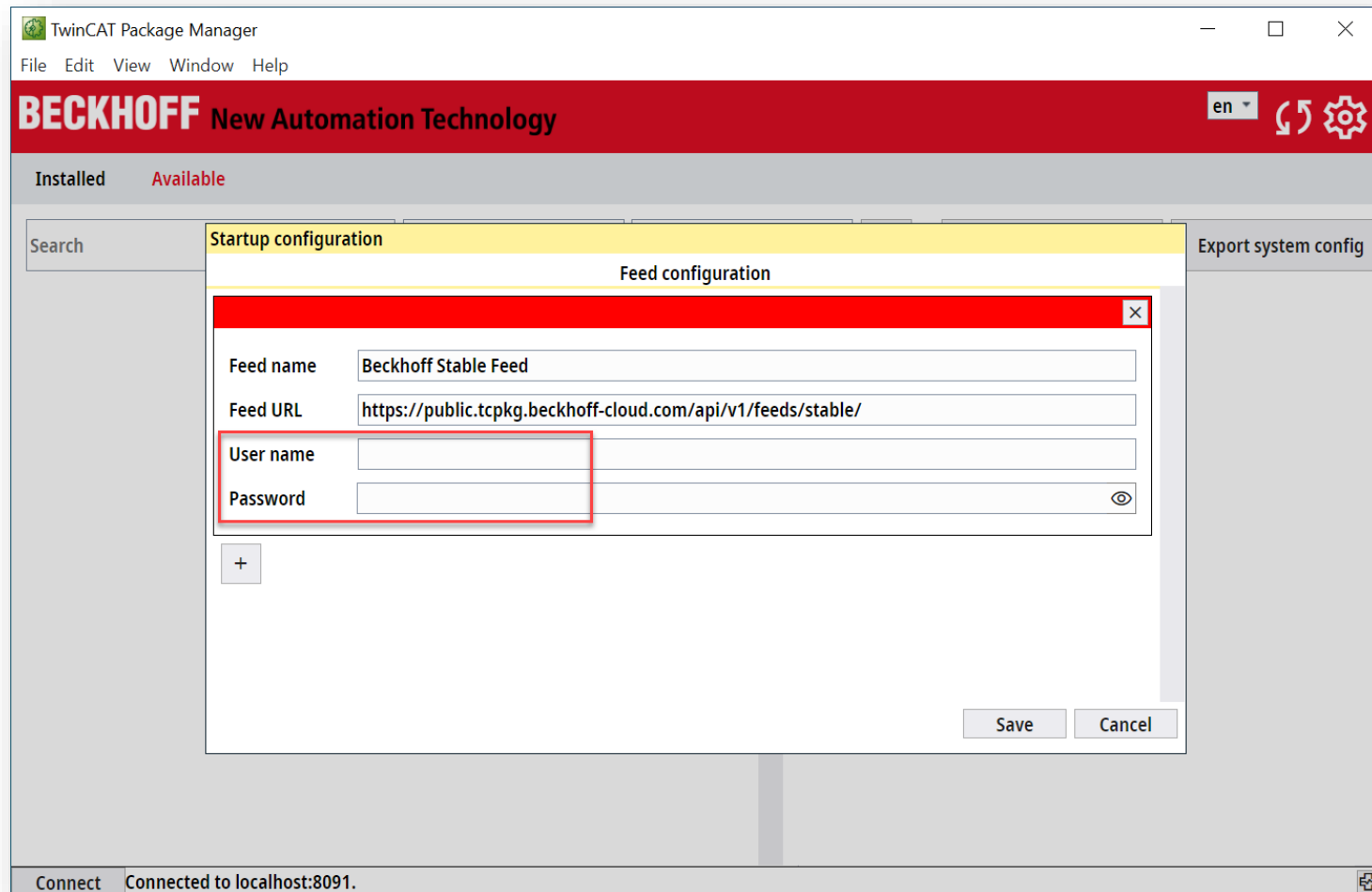


Installing TwinCAT 3

BECKHOFF



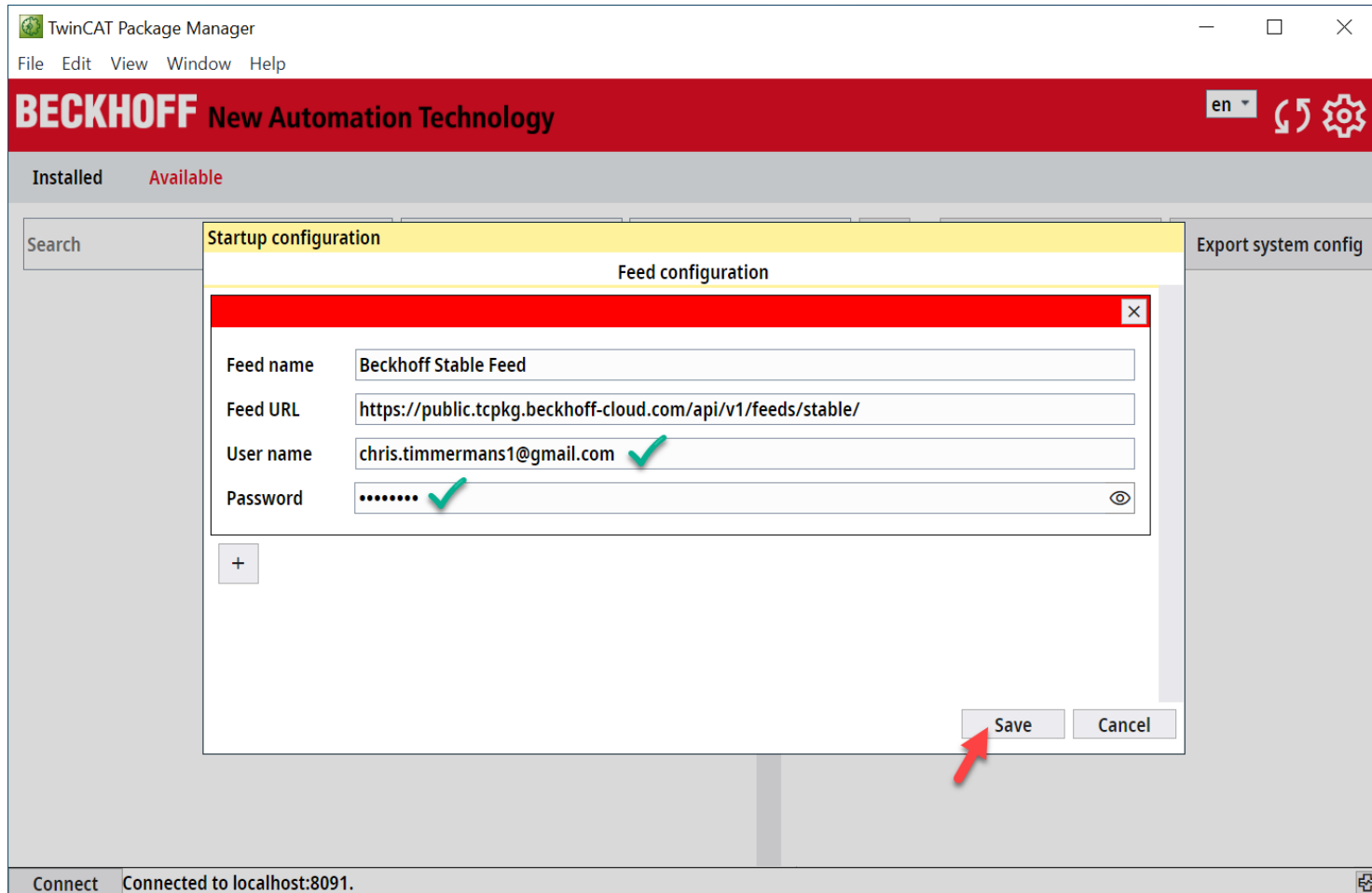
Enter your myBeckhoff User account login info
Required to add online “Beckhoff Stable Feed”



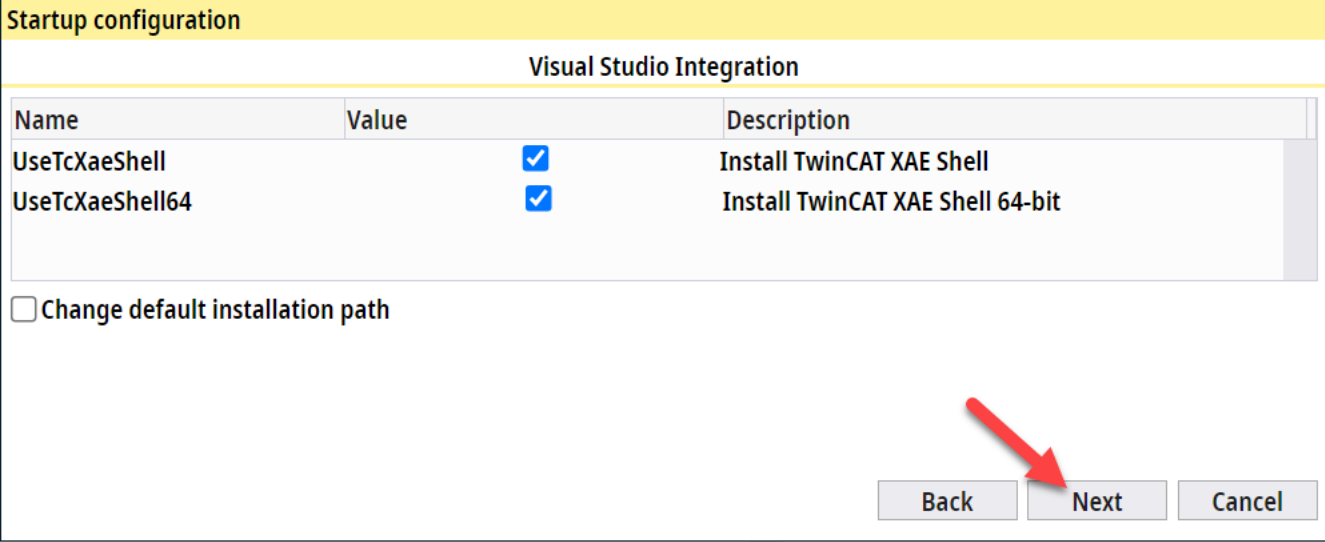
Installing TwinCAT 3

BECKHOFF

Save



Select the Shell(s) or Visual Studio you wish to integrate to



Startup configuration

Visual Studio Integration

Name	Value	Description
UseTcXaeShell	☒	Install TwinCAT XAE Shell
UseTcXaeShell64	☒	Install TwinCAT XAE Shell 64-bit

☐ Change default installation path

Back Next Cancel

TcXaeShell → 32 bit IDE supporting ≤4024 projects

TcXaeShell64 → 64 bit IDE supporting 4026 projects

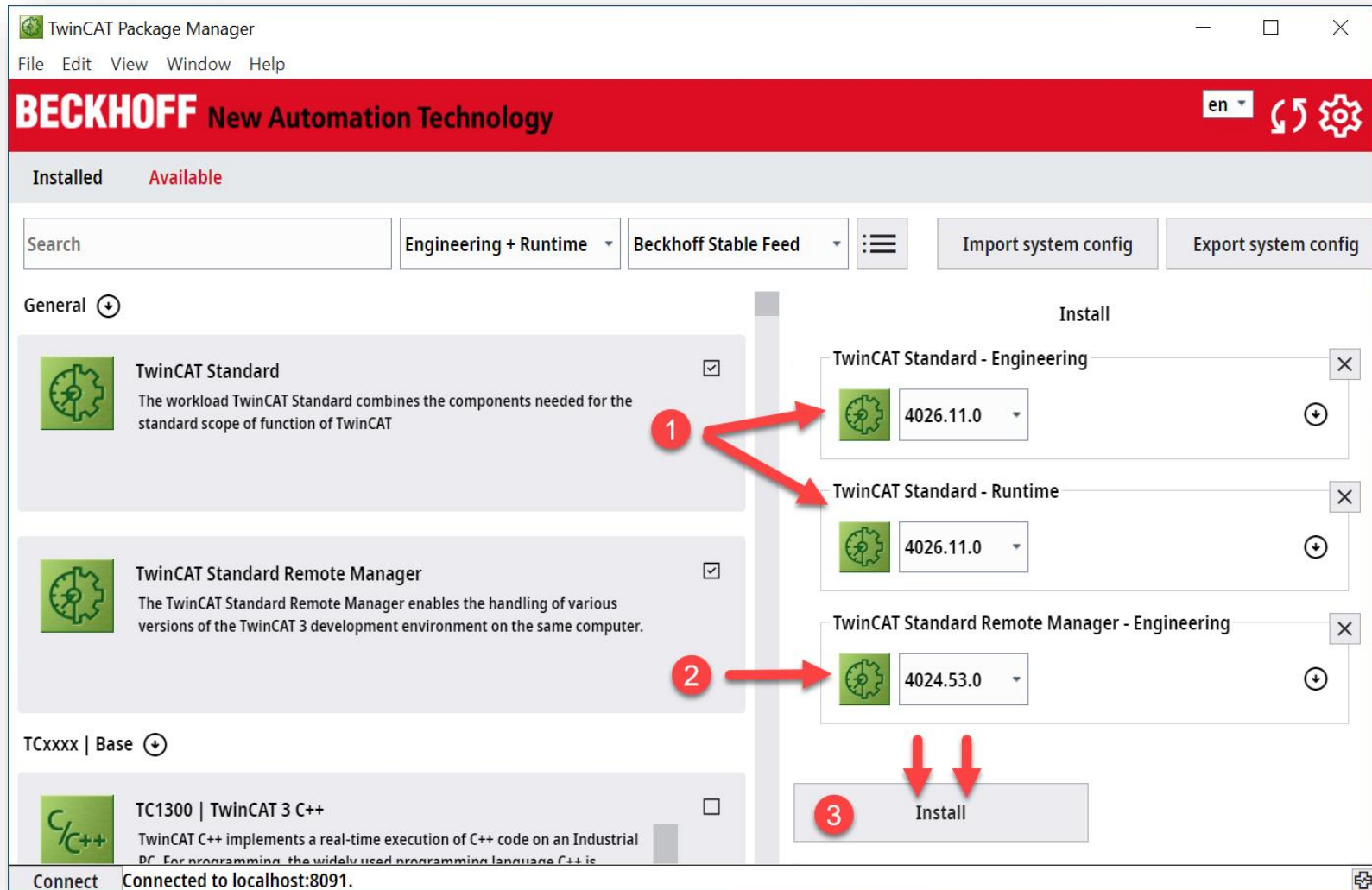
VS will be shown if available on system (VS2022 supported by 4026)

Select none for XAR (Runtime only) installations

Installing TwinCAT 3

BECKHOFF

Select the components you would like to install



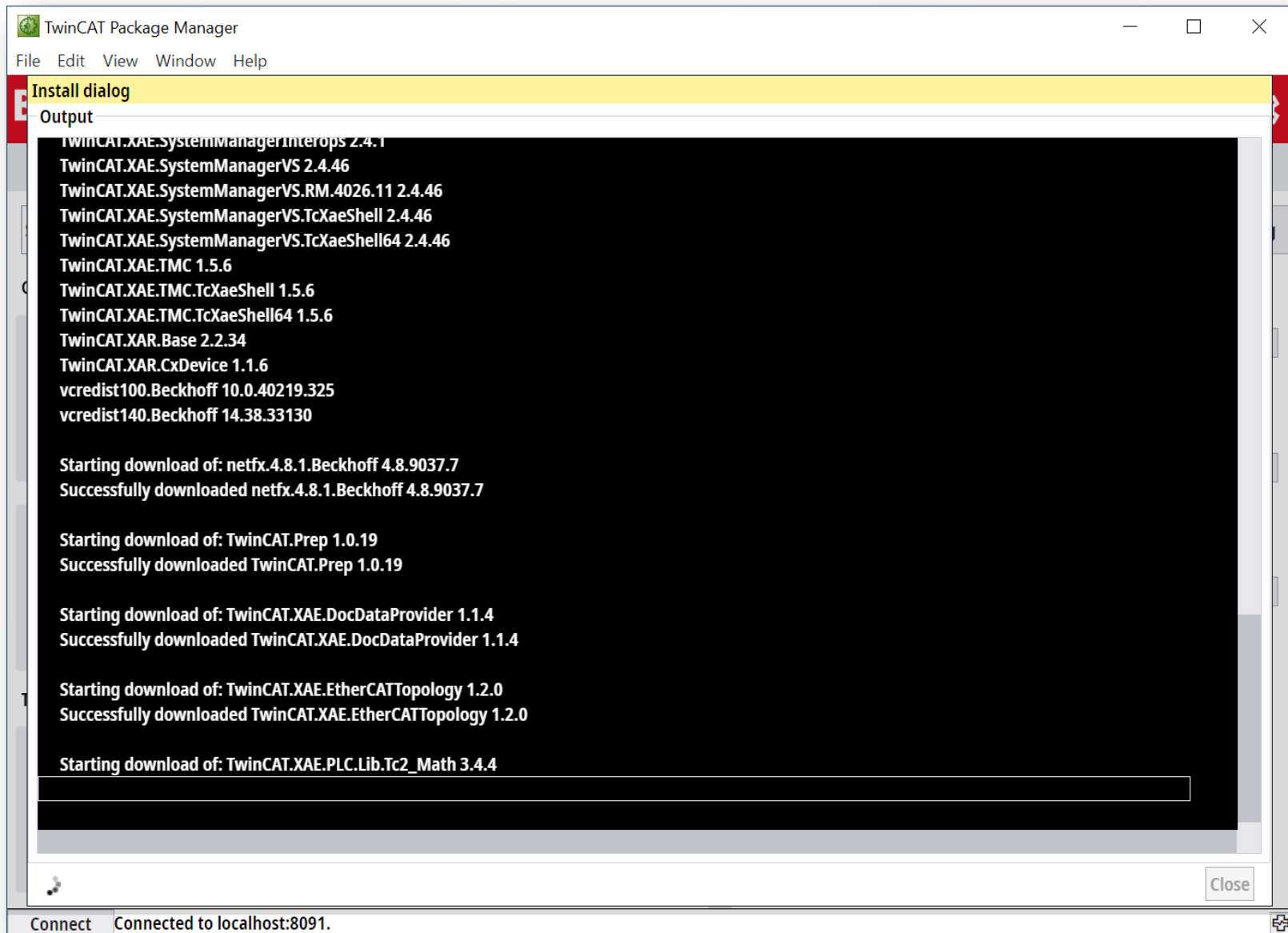
Note:

If TwinCAT 3 4024 was previously installed on the system
→ Migration tool will automatically launch

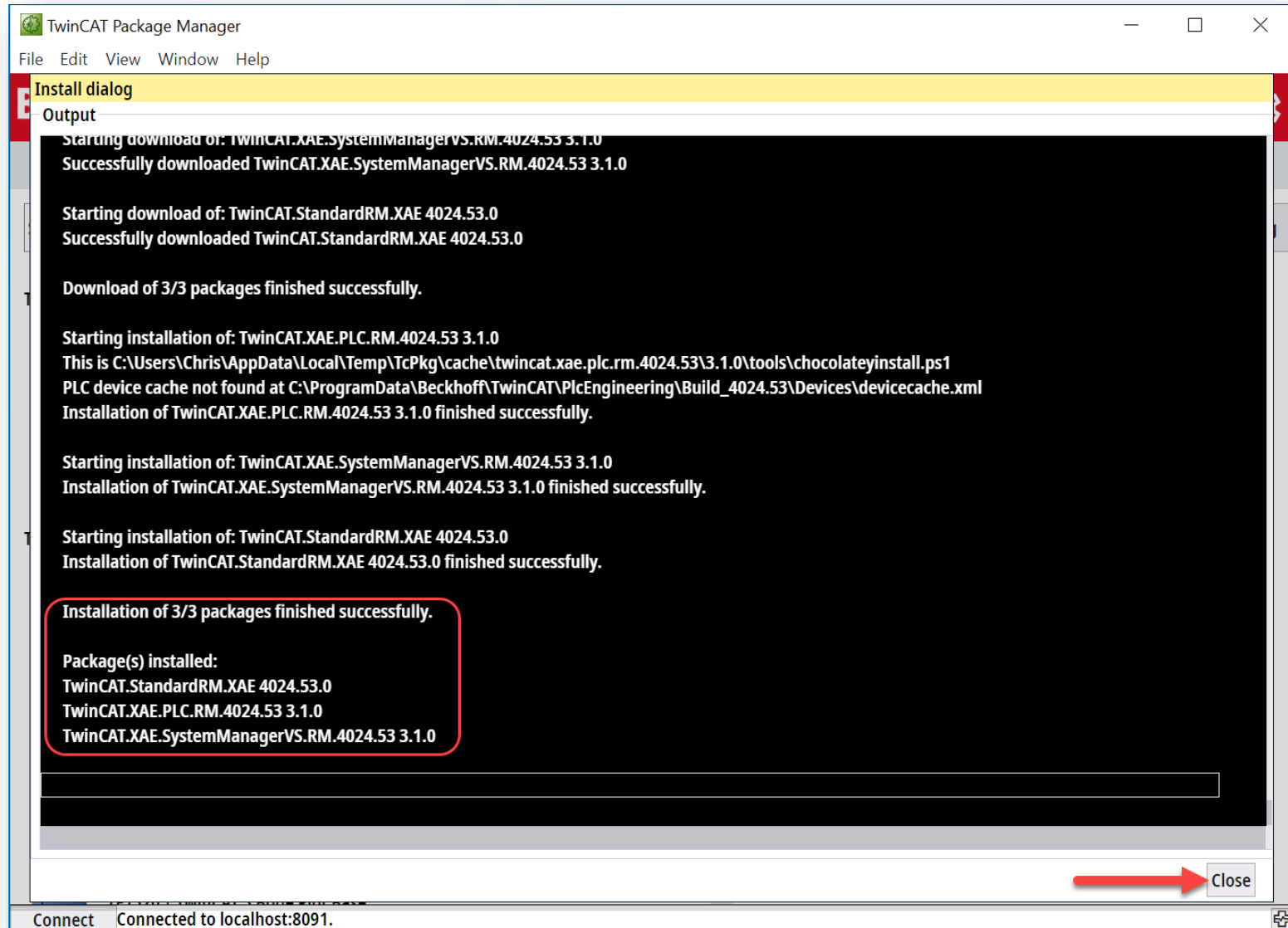
Migration will

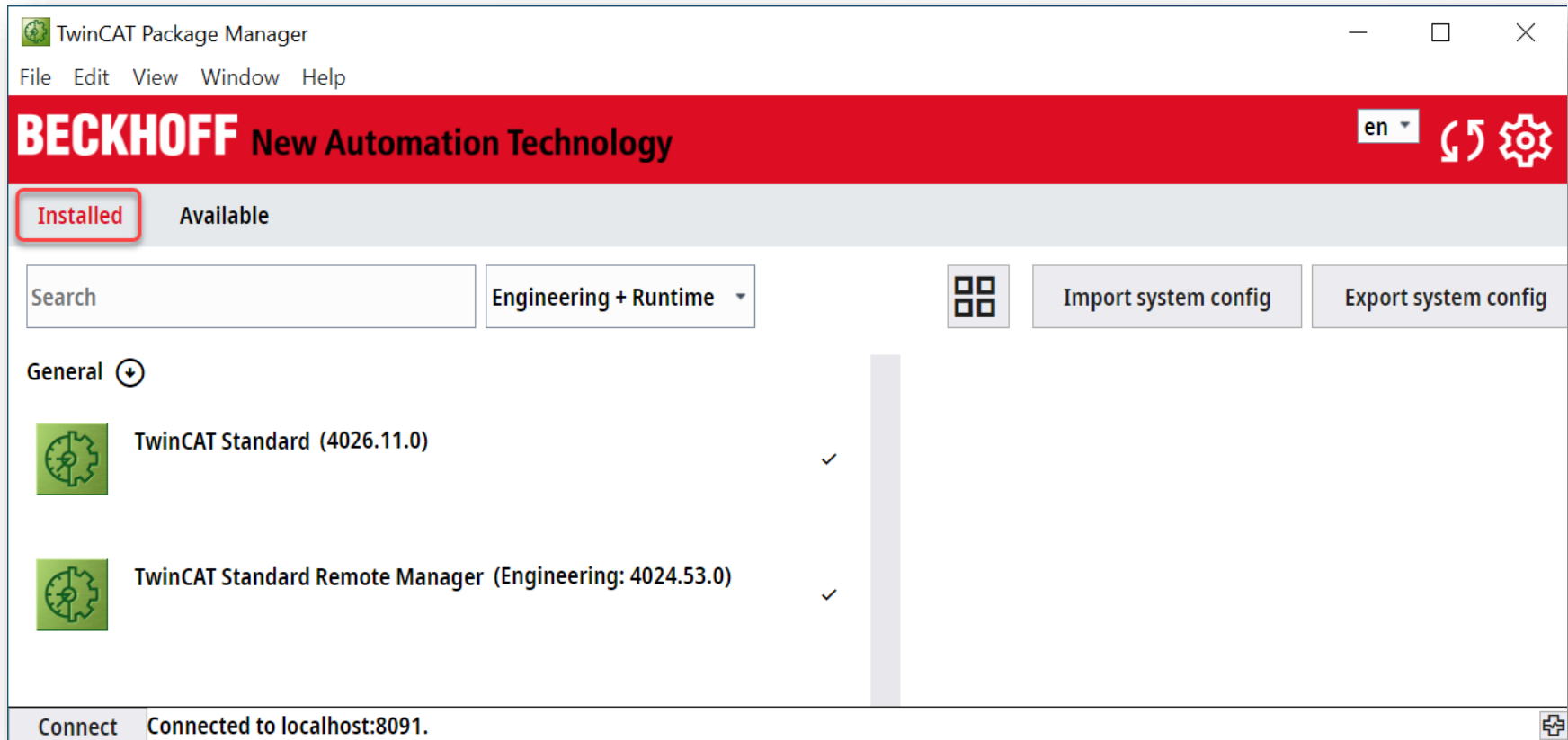
1. Uninstall all previous components
2. Ready the system for 4026 (Clean)
3. Install all previous components (if available)

Installing TwinCAT 3



Installing TwinCAT 3





- The TwinCAT 3 icon is now displayed in the Windows Task Bar

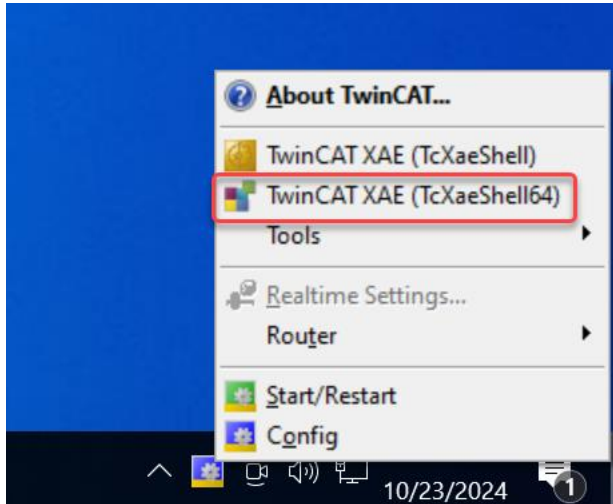


Installing TwinCAT 3

- Right Click the TwinCAT icon

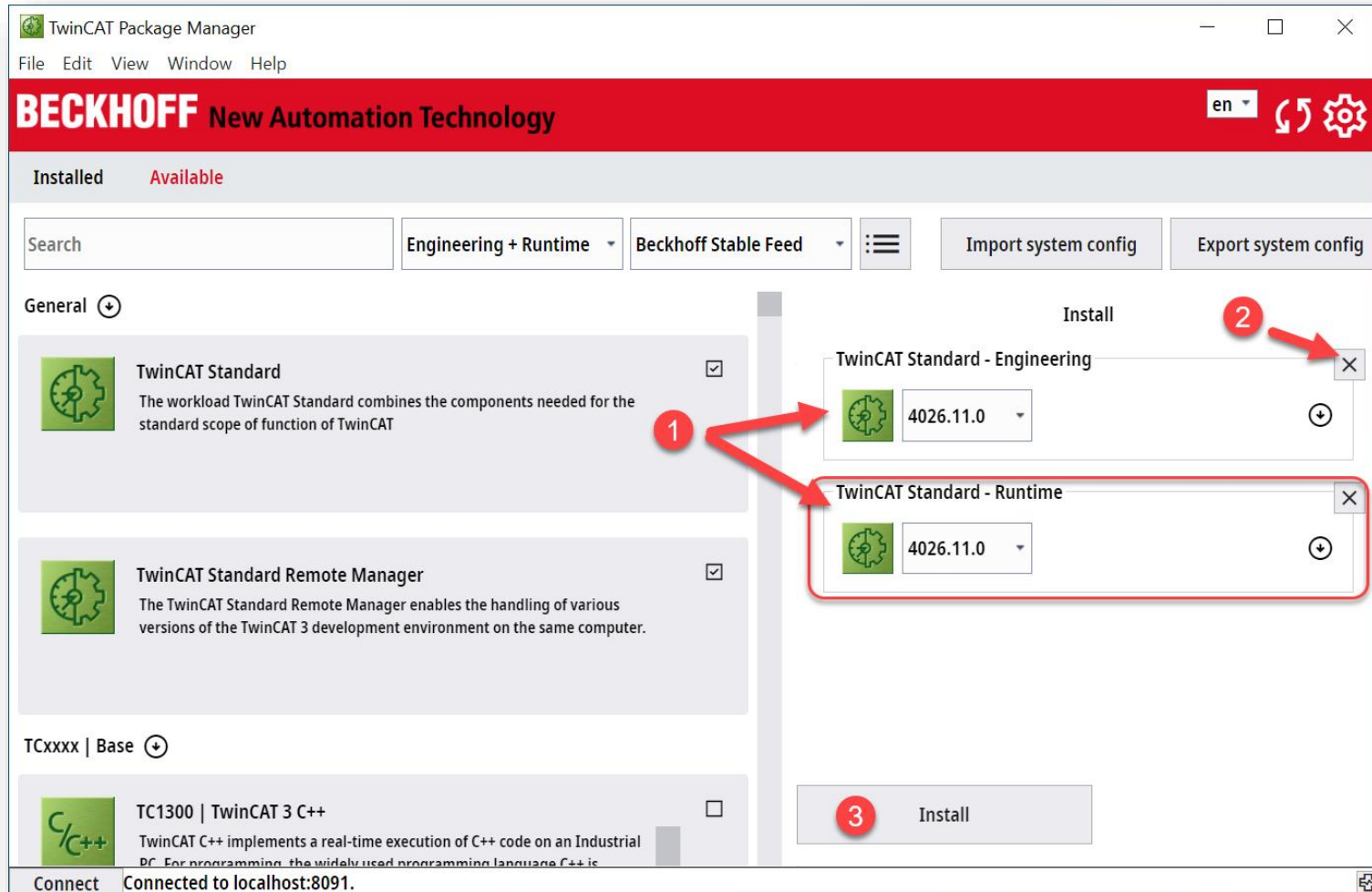


- Launch XAE Shell64 (4026)



Installing TwinCAT 3 – XAR Only

- For installation of XAR only (Such as on Target hardware)



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