

GETTING STARTED WITH ctrlX AUTOMATION

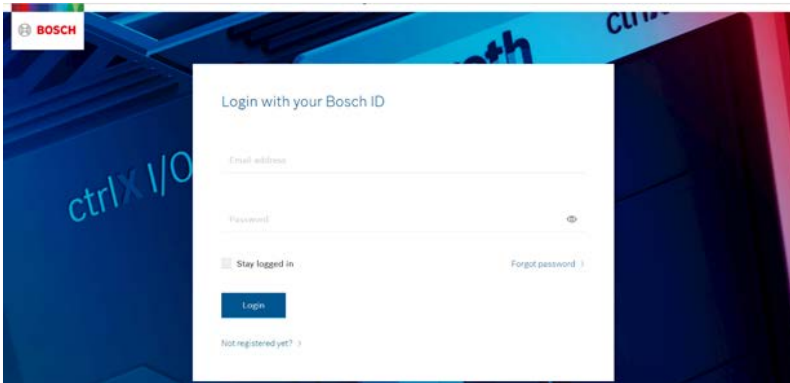
The following notes will ensure a smooth start during your first steps with ctrlX AUTOMATION.

1 JOIN THE ctrlX AUTOMATION Community



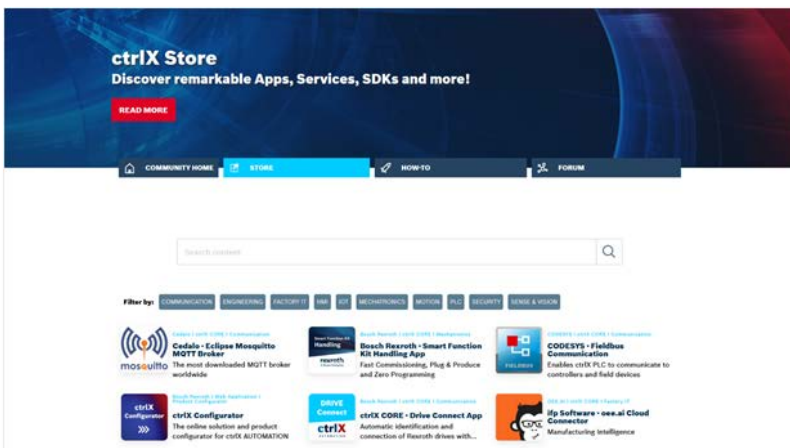
The ctrlX AUTOMATION Community offers developers from around the world the opportunity to discuss topics and ask questions related to ctrlX AUTOMATION. Here you can interact directly with fellow developers and our experts.

Please register [here](#).



You can simply login with your Bosch ID. If you do not have a Bosch ID yet, just create a new one directly [here](#).

Please use the email address you registered with for the **ctrlX developR Challenge**.



Within the ctrlX AUTOMATION Community you have access to the [ctrlX Store](#), where you can find many different apps from Bosch Rexroth, ctrlX AUTOMATION and the ctrlX World partners.

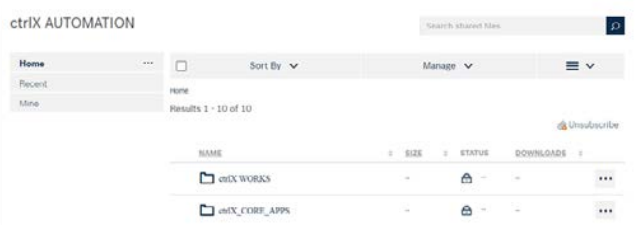


You will also have access to the [How-to area](#) with many blogs and explaining videos as well as the [Forum](#), where you can get support and get in touch with other developers. In addition, links to the [Documentation](#) and to Bosch Rexroth's [GitHub](#) repositories can be found here.

2 GET YOUR SOFTWARE READY

Our entire software is stored in the [Collaboration Room](#). Here you can find the engineering toolbox ctrlX WORKS with the ctrlX CORE^{virtual} and all apps for the ctrlX CORE.

Once you have created a Bosch ID (see [1](#)), you have to initially log in at [myRexroth](#) (Login for Customers & Partners) with the same username and password. After entering the necessary data (first name, last name, country, company, address), we can unlock you for the Collaboration Room. Just give us a short note via email (ctrlx.automation@boschrexroth.com) that you are ready.



1. Install ctrlX WORKS

To begin, please download the latest version of ctrlX WORKS from the [Collaboration Room](#) and install it on your PC. For further information about ctrlX WORKS check out the corresponding FAQ right [here](#).

2. Set up the ctrlX CORE^{virtual}

After installing ctrlX WORKS on your PC, you can set up the ctrlX CORE^{virtual}. This [how-to video](#) shows you how to do the set up and how to install apps on the virtual control.

3. Try out apps on the ctrlX CORE^{virtual}

To install an app on a virtual control no license is required. You can download and try out different apps from the [Collaboration Room](#) to find out which app fits to your solution. Some examples of Bosch Rexroth applications are the IDE App, the Node-RED App and the OPC UA Server App. Just have a look and feel free to try them out on your ctrlX CORE^{virtual}.

4. Have a look at the Software Development Kit

The official release of the Software Development Kit (SDK) for ctrlX AUTOMATION is available on [GitHub](#).

The SDK contains all information and dependencies you need to start developing additional software packages for ctrlX AUTOMATION. For further information check out the corresponding [FAQ](#) right here or watch the how-to videos referred to in the additional information (see [4](#)).

3 SET UP YOUR HARDWARE

a) First Steps with the ctrlX CORE

Your Challenge Kit includes the heart of ctrlX AUTOMATION, the control ctrlX CORE. To create a connection to your hardware and to gain a first orientation, please follow the provided [Quick Start Guide](#).

b) Install apps on your ctrlX CORE

You can install apps on the ctrlX CORE similar to the ctrlX CORE^{virtual}. In contrast to the ctrlX CORE^{virtual} a specific license is needed for each app. Please get in touch with your mentor after the kick-off event to discuss which app (and therefore which license) is required for your specific solution.

4 ADDITIONAL INFORMATION

- ▶ Have a look at our collection of how-to blogs and videos related to ctrlX AUTOMATION [here](#).

The [ctrlX developR Series](#) will give you a good insight into the features and possibilities of ctrlX AUTOMATION. The how-to videos about the SDK can be particularly helpful for you if you want to develop your own apps.

- ▶ Get support in **the ctrlX AUTOMATION Community:** [Subforum for ctrlX developR Challenge](#)
- ▶ Learn more about the **SDK:**
 - [Video: Setup development environment](#)
 - [Technical documentation on GitHub](#)
 - [Snapcraft.io: Creating a snap](#)



... and now we wish you a lot of fun and success trying out, tinkering and realizing your idea for the ctrlX developR Challenge!

Your ctrlX AUTOMATION team