

Flexxbotics Basic Package Bundle

Windows - Installation Guide

This archive contains a preconfigured Docker setup for running the Flexxbotics Basic Package environment locally.

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Prerequisites

Windows

- Windows 10 or higher (x86-64 architecture)
- Docker Desktop installed and running (Windows x86) - <https://docs.docker.com/desktop/setup/install/windows-install/>

Windows Install Procedure

1. Download the **Flexxbotics Installer.exe**.
2. Install the Flexxbotics Environment: Run **Flexxbotics Installer.exe**. The installer will:
 - Ask where you would like the **Flexxbotics Bundle** to be installed
 - Do not install into Program Files directories due to permissions.
 - Configure required local settings
 - Install certificates
 - Install python 3.12 runtime environment
 - Verify Docker Desktop
 - Pull the Flexxbotics containers
 - Create a Desktop shortcut
 - Run the Flexxbotics containers

Follow the on-screen instructions until installation is complete.

3. Navigate to <https://flexxedge.app.local>
4. Fill in the information to request a license key then click submit.
5. License key will be emailed to the email address provided.
6. Enter the license key to activate the license.

After setup you can access Flexxbotics software at:

FlexxEdge: <https://flexxedge.app.local> – The automation HMI used as the primary day to day interface for automation at a workcell

FlexxControl: <https://flexxcontrol.app.local> – The automation recipe and configuration manager for all Flexxbotics controlled workcells

FlexxCore API Interface: <http://flexxcore.app.local:7081/api> – The API interface used to test & debug transformers within FlexxCore

Security note: Installing custom certificates into your system's **Trusted Root** store means your system will trust sites using these certificates. These are intended only for the local `app.local` domains used by Flexxbotics. Do not reuse these certificates for other purposes.

What Does the Flexxbotics Bundle Include?

- Flexxbotics.exe - runs the Flexxbotics software
- Backups/ - MongoDB backups for your data
- Docker/ - Configuration, scripts, transformers, and supporting files
- Licenses/ - Copy of the End User License Agreement (EULA)
- Logs/ - Runtime logs from the Flexxbotics software
- Runtime/ - Python environment to run scripts

Starting / Stopping / Updating Flexxbotics Software

Starting Flexxbotics Software

Run Flexxbotics.exe from the Desktop shortcut to start or restart the Flexxbotics software environment. This will restart Docker services and automatically open:

FlexxEdge: <https://flexxedge.app.local>

FlexxControl: <https://flexxcontrol.app.local>

Stopping Flexxbotics Software

Option 1- Enter command line:

- `cd YOUR_FLEXXBOTICS_PACKAGE_LOCATION/Flexxbotics/Docker`
- `docker compose down`

Option 2 - Open Docker Desktop:

- Find the Flexxbotics containers.
- Click the Stop button in Docker.

Update Flexxbotics Software

- Navigate to `YOUR_FLEXXBOTICS_PACKAGE_LOCATION/Flexxbotics/Docker`
- Update docker-compose.yml containers to the version to pull
- Start the Flexxbotics software
- Empty cache and perform a hard re-load of the browser:
 - Right clicking in the browser
 - Click inspect
 - Right clicking on the refresh icon in the browser
 - Click **Empty cache and hard reload**.

Common Troubleshooting

For errors on installation and launch of the software, try the following troubleshooting steps:

Cannot connect to Docker daemon error

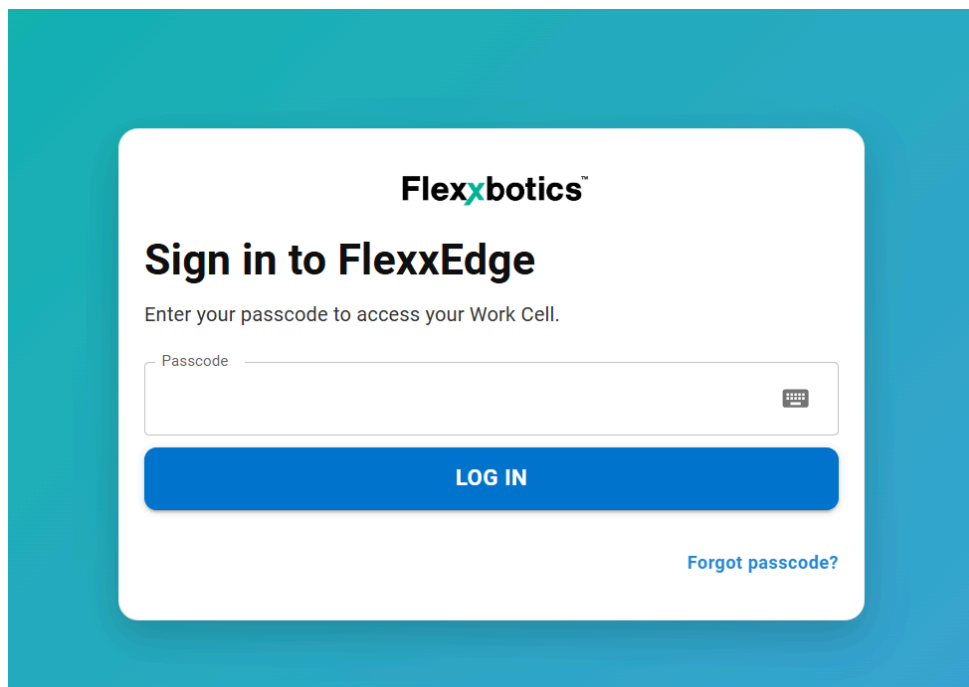
Ensure Docker Desktop is installed and running. In the Flexxbotics start up window you will likely see “cannot connect to Docker daemon” if Docker is not installed and running.

Docker is not found error

Ensure Docker Desktop is installed and running. In the Flexxbotics installation window you will likely see “docker is not found” if Docker is not installed and running.

Enter password prompt on initial browser launch

If you are prompted to enter your password prior to registering and creating an account in the user interface, refresh the page. The user registration page should be the first page seen.



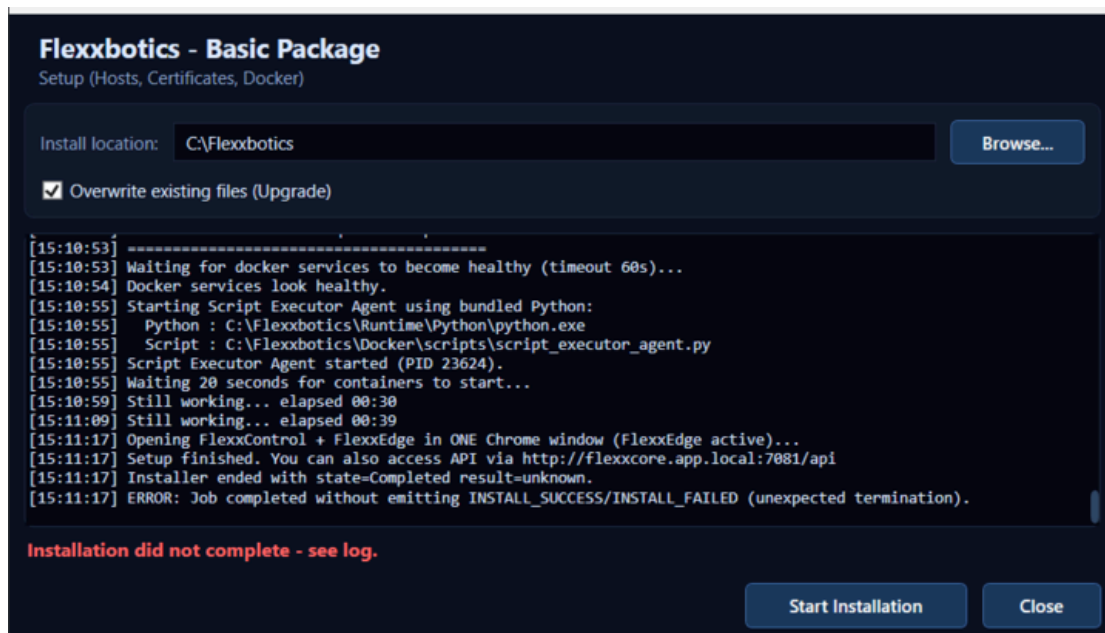
Port is already allocated error

Confirm no services are blocking the required ports to run the software (80, 81, 443, 5000, 7081, 7082). **NOTE:** These ports can be changed by editing the *docker_compose.yml* file inside the Docker/ folder in the bundle.

Incorrect “Installation did not complete” Error

If the Flexxbotics software launches successfully after installation, but an **Installation did not complete - see log** error is shown in the start up window - it may be that the installation did succeed and you can proceed using the software.

You may see “Installer ended with state=Completed result=unknown” even though the result should have been succeeded.



Page is not loading within 15-20 seconds

If pages do not load immediately, wait 15-20 seconds, clear cache, and perform a hard reload by:

- Right clicking in the browser
- Click inspect
- Right clicking on the refresh icon in the browser
- Click **Empty cache and hard reload.**

Error Popup - hosts is being used by another process

This indicates that the host file is already in use when trying to add the Flexxbotics urls. Click OK and then continue the install process. Attempt re-running the installer.