

Overview

The Project Creator tool is used with the ModusToolbox software to create projects based on Board Support Packages (BSPs) and code examples. It is provided as a [graphical user interface \(GUI\)](#) and a [command-line interface \(CLI\)](#) to create projects for use in any software environment you prefer. The tool essentially runs a “git clone” command to create projects onto your computer from a remote server. The GUI provides a simple interface for users who do not want to use the CLI.

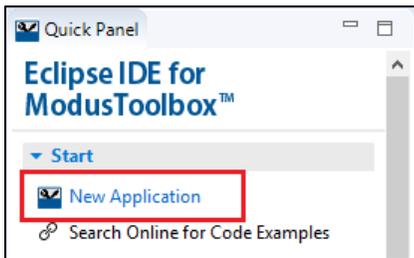
Launch the Project Creator

You can launch the Project Creator using the Eclipse IDE for ModusToolbox. You can also launch it as a stand-alone GUI tool and from the command line.

Note If you prefer to use the Eclipse IDE, you should launch Project Creator tool from the Eclipse IDE included with ModusToolbox instead of as a stand-alone tool or from the command line.

From Eclipse IDE

The Eclipse IDE included with ModusToolbox provides links and menu items to launch the Project Creator tool and create a project that applies to Eclipse.



For more information, refer to the Eclipse IDE for ModusToolbox [Quick Start Guide](#) or [User Guide](#).

As a Stand-Alone Tool

To run the Project Creator as a stand-alone tool, navigate to the install location and run the *project-creator* executable to launch the GUI or run the *project-creator-cli* executable for the CLI. On Windows, the default install location for the tool is:

```
[user_home]/ModusToolbox/tools_<version>/project-creator
```

For other operating systems, the installation directory will vary, based on how the software was installed.

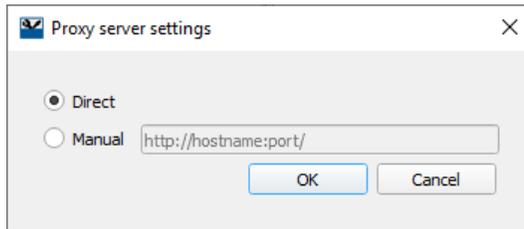
GUI Description

The Project Creator GUI provides a series of pages used to create a project. The GUI executes the CLI options based on your selections.

Menus

The Project Creator has two menus, as follows:

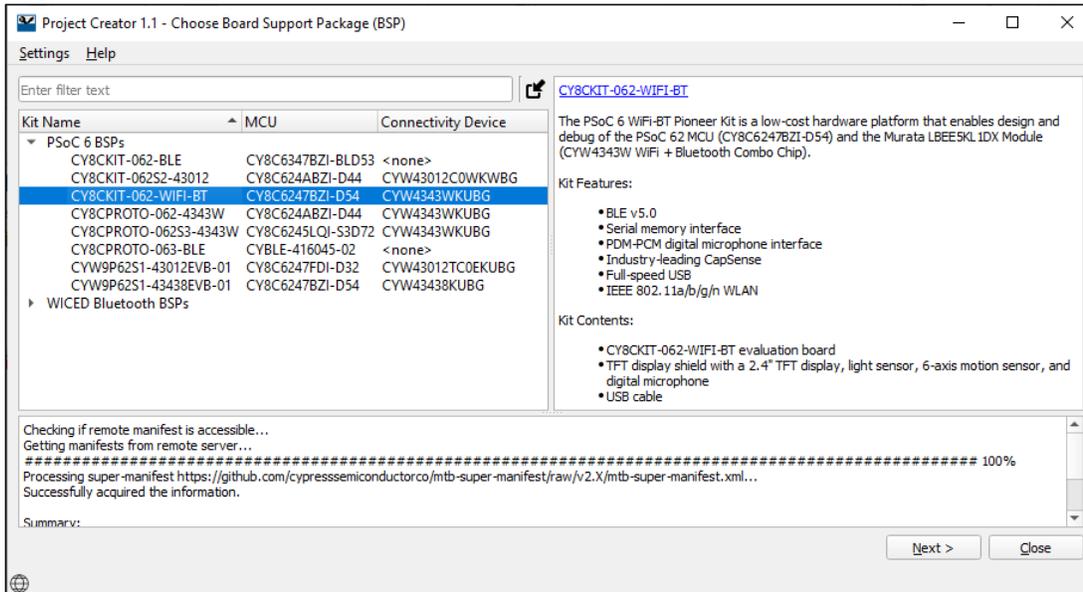
- Settings
 - Offline – Check box to switch to offline mode and read the local copy of the manifest file installed from the offline content bundle. Refer to the *ModusToolbox User Guide* for more details.
 - Proxy Settings – Opens a dialog to specify direct or manual proxy settings.



- Help
 - View Help – Opens this document.
 - About – Displays tool version information.

Choose BSP Page

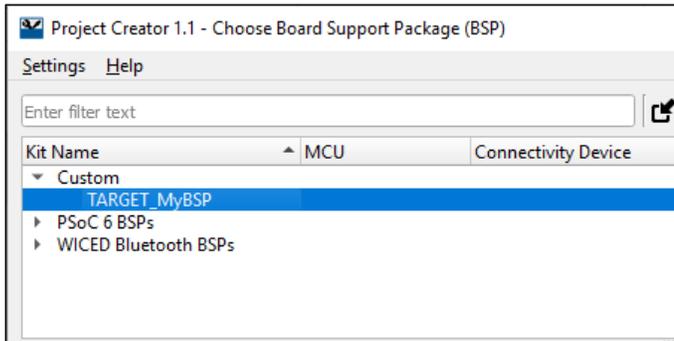
When you first launch the GUI, it displays the “Choose Board Support Package (BSP)” page that lists the available BSPs.



Import BSP

The Choose BSP page provides an **Import** button  to select any custom BSPs you may have created or received from a colleague. You can then create a new application for that custom BSP.

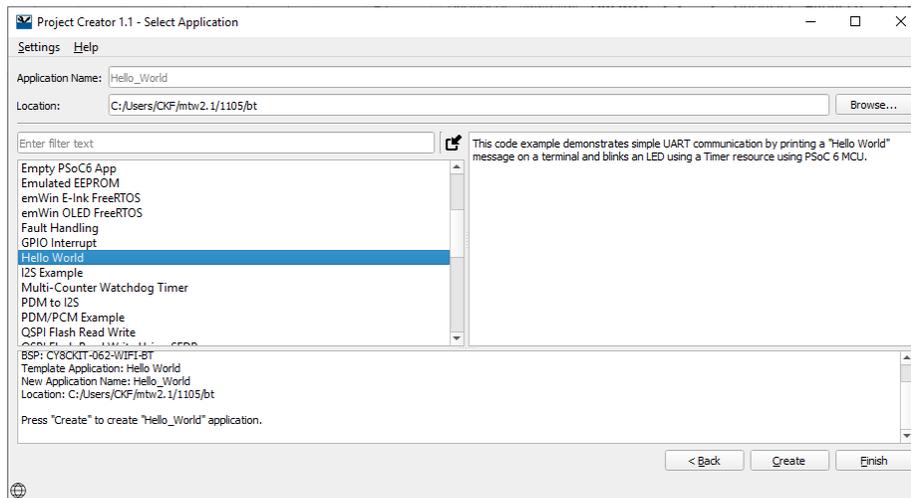
After clicking the **Import** button, in the Select Folder dialog, select the appropriate custom BSP to use for your new application. Then, the custom BSP will be shown with all the other BSPs.



For information about creating custom BSPs, refer to the *ModusToolbox User Guide*.

Select Application Page

Select a board on the Choose BSP page and click **Next >** to display the “Select Application” page.

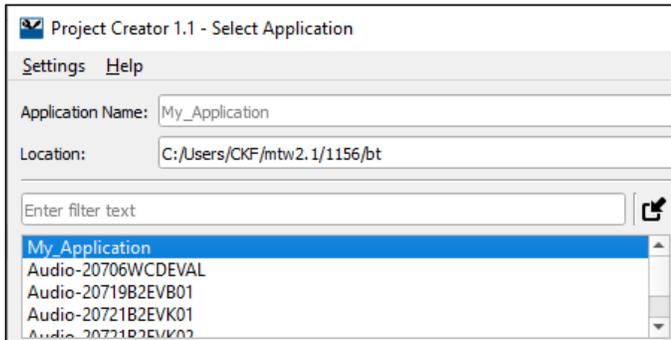


On this page:

- Select an application from the list
- Enter an **Application Name**, or leave it as the default.
- Specify a **Location**, or leave it as the default. All files and folders from the selected application will be copied to this location in a folder with the **Application Name**.

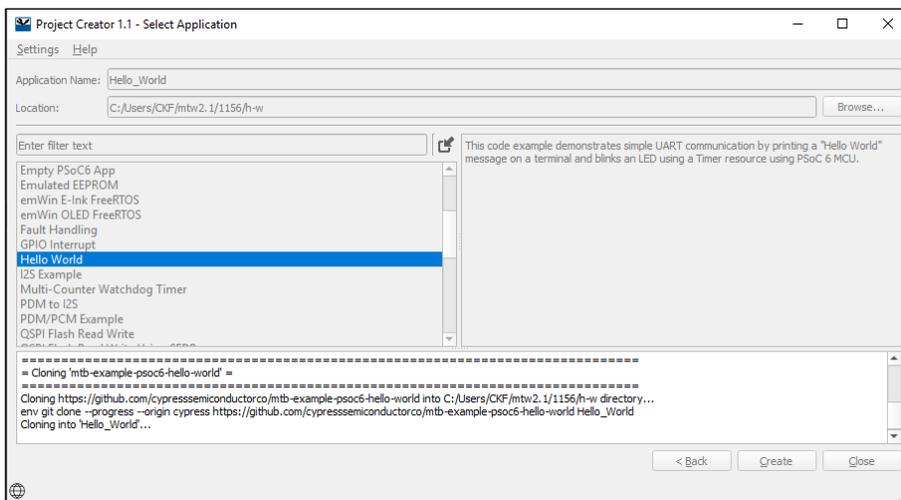
Import Application

The Select Application page also provides an **Import** button  to select other applications you may have created or received from a colleague. After clicking the button, in the Select Folder dialog, select only examples that are supported by the BSP you selected for this application. Then, the example will be shown in the with all the other applications.

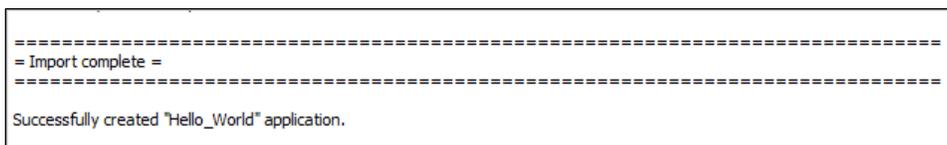


Create an Application

Click **Create** to start the process of creating a ModusToolbox application, and the GUI will display various messages showing the progress.



When the process completes, the tool will display a message similar to the following:



You can continue creating new projects from the “Select Application” page by selecting a new application and then clicking the **Create** button again. You can also go back to the “Choose BSP” page to select another BSP and then continue the project creation process as usual.

To close the tool, click the **Close** button or the **X** button at the top-right of the GUI.

CLI Description

The CLI allows creating projects from a command-line prompt or from within batch files or shell scripts. The exit code for the CLI is zero if the operation is successful, or non-zero if the operation encounters an error.

Usage

```
project-creator-cli [options]
```

Options

To see a list of options, run the executable with the `-h` option.

Example

```
./project-creator-cli \  
  --board-id CY8CKIT-062-WIFI-BT \  
  --app-id BlinkyLED \  
  --user-app-name MyLED \  
  --target-dir "C:/cypress_projects"
```

Created Project

As mentioned previously, the Project Creator tool essentially runs a “git clone” command to create projects onto your computer from a remote server. Different types of projects will have different files and folder structures. After creating the project, navigate to the newly specified folder that was created on disk. Inspect the files and folders located there. Use these files to modify your application as necessary in your preferred environment.

Version Changes

This section lists and describes the changes for each version of this tool.

Version	Change Descriptions
1.0	New tool.
1.1	Redesigned the GUI to provide a better flow. Added Settings and Help menus. Added icon to indicate online/offline status. Added Import BSP button.

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