ModusToolbox™ Settings tool user guide

ModusToolbox™ tools package version 3.9.0
ModusToolbox™ Settings tool version 1.40.0

About this document

A newer version of this document may be available here.

Scope and purpose

The ModusToolbox™ Settings tool allows you to configure a wide range of settings for your environment, such as proxy settings, information levels, and Default SDK settings.

Intended audience

This document helps application developers understand how to use the ModusToolbox™ Settings tool.

Document conventions

Convention	Explanation
Bold	Emphasizes heading levels, column headings, menus and sub-menus
Italics	Denotes file names and paths.
`Monospace`	Denotes APIs, functions, interrupt handlers, events, data types, error handlers, file/folder names, directories, command line inputs, code snippets
File > New	Indicates that a cascading sub-menu opens when you select a menu item

Reference documents

Refer to the following documents for more information, as needed:

- ModusToolbox™ tools package user guide
- ModusToolbox™ software installation guide

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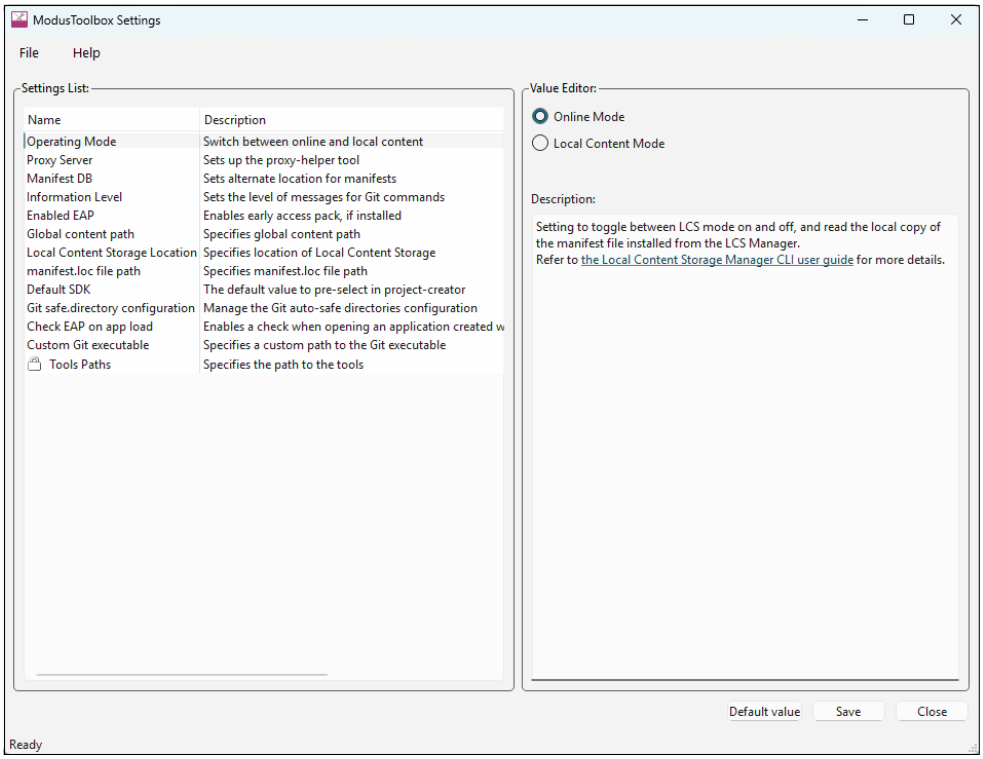
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1 Overview

There are various settings for the ModusToolbox™ ecosystem that can be set for a given user's development environment. These include proxy settings, information levels, custom Git executable, and so on. For the ModusToolbox™ 3.5.0 and later tools package releases, the Settings tool provides a single place to configure these settings.



1.1 Menus

The Settings tool contains the following menus:

- **File**: This menu includes the **Exit** command to close the Settings tool.
- **Help**: This menu contains:
  - **View Help** – Opens this document.
  - **About** – Opens the About box for version information, with links to open Infineon.com and the current session log file.

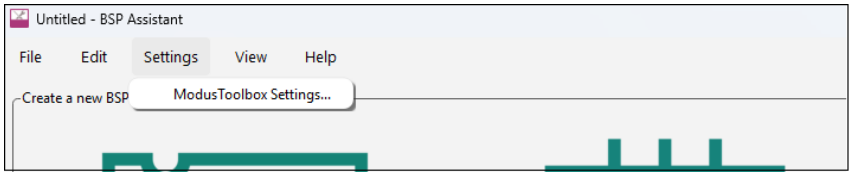
1.2 Setting Environment Variables

If you have previously used ModusToolbox™ software, you may have set up different environment variables which will override the Settings tool. In order for the Settings tool to run successfully, you will need to unset or delete the following:

- Operating Mode - `MTB_USE_LOCAL_CONTENT`
- Manifest DB - `CyRemoteManifestOverride`
- Local Content Storage Location - `MTB_LOCAL_CONTENT_PATH`
- Enabled EAP - `MTB_ENABLE_EARLY_ACCESS`
- Global content path - `CY_GETLIBS_GLOBAL_PATH`
- Alternate global path - `CY_GETLIBS_GLOBAL_PATH`
- Alternate *manifest.loc* path – `CyManifestLocOverride`

2 Launching the Settings tool

The Settings tool is stand-alone tool that can be launched from applicable tools with a **Settings** menu, such as the Dashboard, BSP Assistant, Library Manager, and Project Creator.



2.1 As a command-line tool

To run the Settings tool as a command-line tool, navigate to the install location and run the `mtb-settings-cli` executable from a command-line prompt. By default, it is installed here:

<install_dir>/ModusToolbox/tools_<version>/mtb-settings

For more information about command-line options, run the `mtb-settings-cli` executable using the `-h` option.

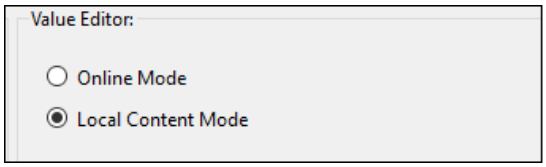
3 Configuring settings

The Settings tool includes the following options for configuration:

3.1 Operating Mode (3.x version only)

This setting provides access to the Local Content Storage (LCS) feature, which provides a command-line tool called lcs-manager-cli to create your own local content on demand. You can decide whether to save the entire database (approximately 5 GB of data) or a subset of data for the BSPs that you specify. Refer to the ModusToolbox™ Local Content Storage CLI user guide for more details.

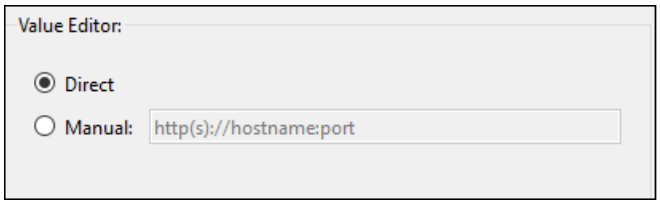
Use this setting to switch between online mode and local content mode.



***Note**: If you change settings, this may affect any instances of tools that are currently running. Additionally, if you make unsaved changes before adjusting the settings, it could lead to issues. It is recommended to avoid running other tools while modifying the settings.*

3.2 Proxy Server

The Proxy Server setting sets up the proxy-helper tool. Select either direct or manual proxy settings.

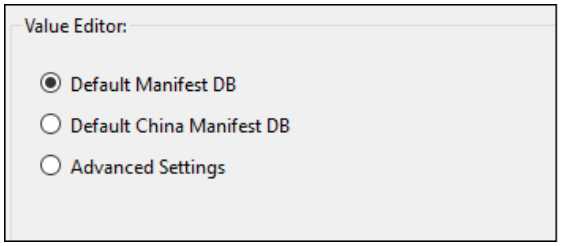


***Note**: Save any changes before attempting to update proxy settings. A dialog will warn you that changes could be lost.*

3.3 Manifest DB (3.x version only)

The manifest database determines the available BSPs and libraries used for your applications. In some cases, you may not be able to access the default location of the database. This is often an issue for users in corporate environments that block access to some sites.

If you have this issue, use this option to specify an alternate location of the manifest database.



Select the desired option with the value editor:

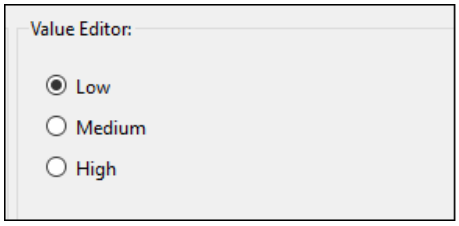
- **Default Manifest DB** - Standard Infineon URL on GitHub

- **Default China Manifest DB** - Standard URL for China users
- **Advanced Settings**: - Custom URL with the following options:
  - **User defined manifest DB URL**: Specifies a specific location of the manifest database for ModusToolbox™ tools, for example https://mycompany/mtb-super-manifest/v2.X/mtb-supermanifest-fv2.xml.
  - **Git insteadOf - old value**: This provides a value, for example GitHub.com/Infineon, that Git will use to switch to a new value.
  - **Git insteadOf - new value**: This provides a new value, for example mycompany.com/mtbmanifest, that Git will substitute for the old value.

Refer to the ModusToolbox™ tools package user guide for more details about manifests.

3.4 Information Level

The Information Level setting allows you select the level of messages for Git commands. Select one of the following levels of output for Git operations:

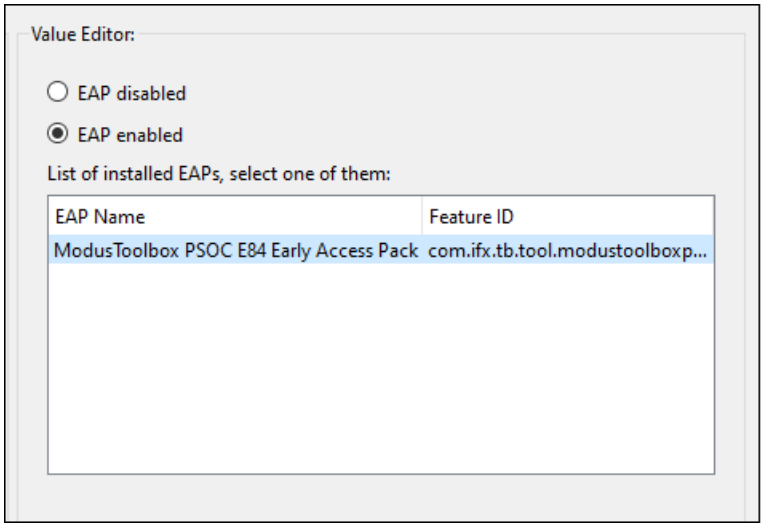


- **Low**: Displays spinner when downloading Git repos.
- **Medium**: Displays numerical representation of progress, as well as any running sub-commands.
- **High**: Includes spinner, running sub-commands, and visual representation of progress.

3.5 Enabled EAP (3.x version only)

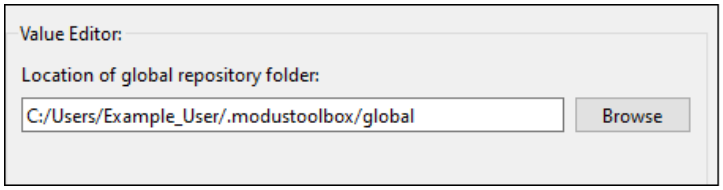
If you have an early access pack (EAP) installed, this setting allows you to choose the enabled EAP from the list or disable the EAP. When you select an EAP from the list, it will automatically get enabled when you click **Save**.

Refer to the ModusToolbox™ software installation guide for more details on installing early access packs.



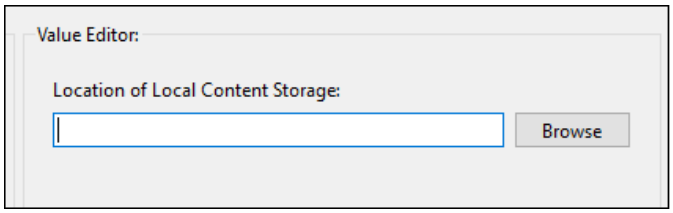
3.6 Global content path (3.x version only)

This setting allows you to specify an alternative path to the global repository folder. Click the **Browse** button to navigate to the location of the global repository folder.



3.7 Local Content Storage Location (3.x version only)

If you installed LCS in a non-default location, use this setting to specify that location. Click the **Browse** button to navigate to the location of the LCS folder.



***Note**: Forbidden characters, including spaces, cannot be used in the path value.*

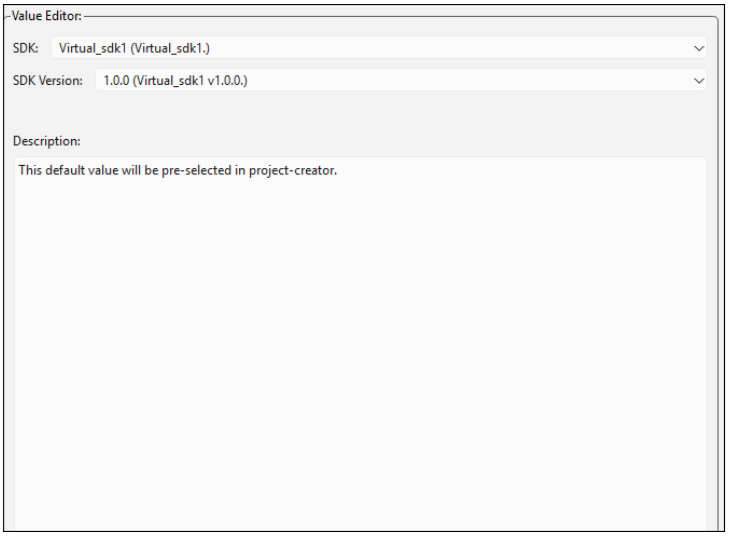
3.8 *manifest.loc* file path (3.x version only)

If you installed the ModusToolbox™ tools package in a non-default location, use this setting to specify an alternative path to the *manifest.loc* file. Click the **Browse** button to navigate to the location of the *manifest.loc* repository folder.



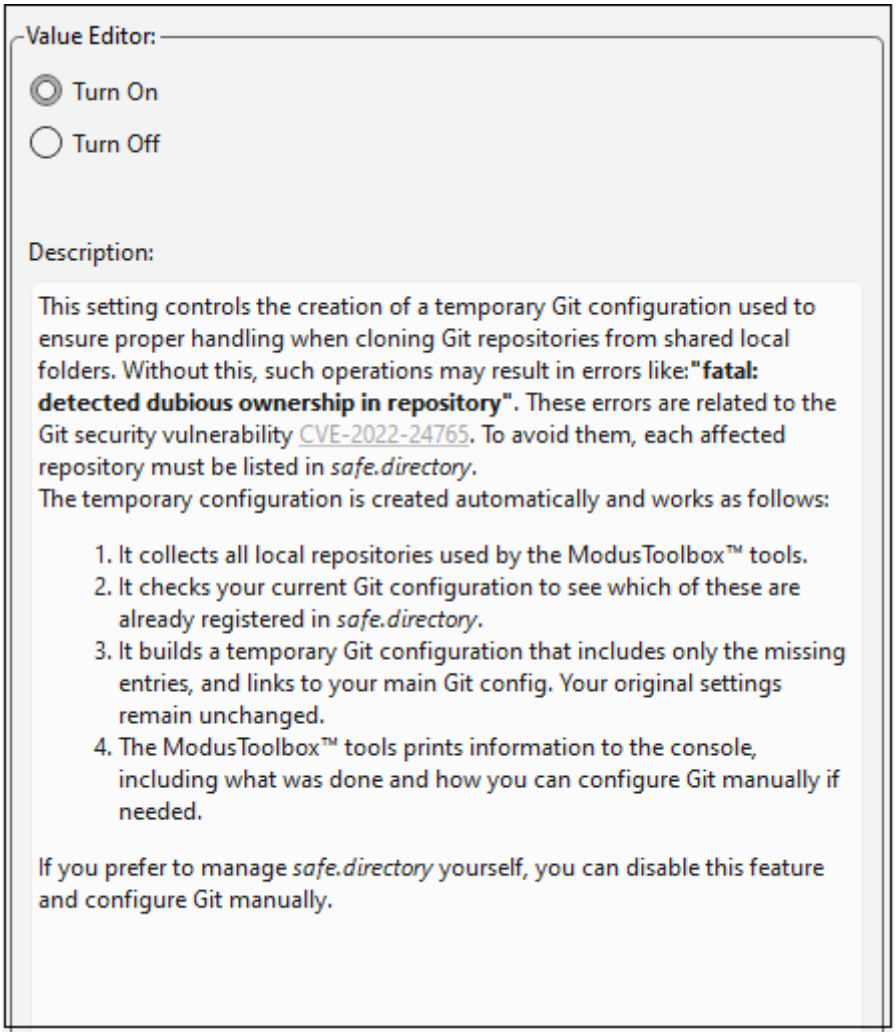
3.9 Default SDK

The default SDK setting allows you to select a virtual SDK in various tools like Project Creator and Library Manager. A virtual SDK is a list of assets (kits, applications, libraries, etc.) and specific versions of those assets. For more information on using virtual SDKs, refer to the Project Creator user guide.



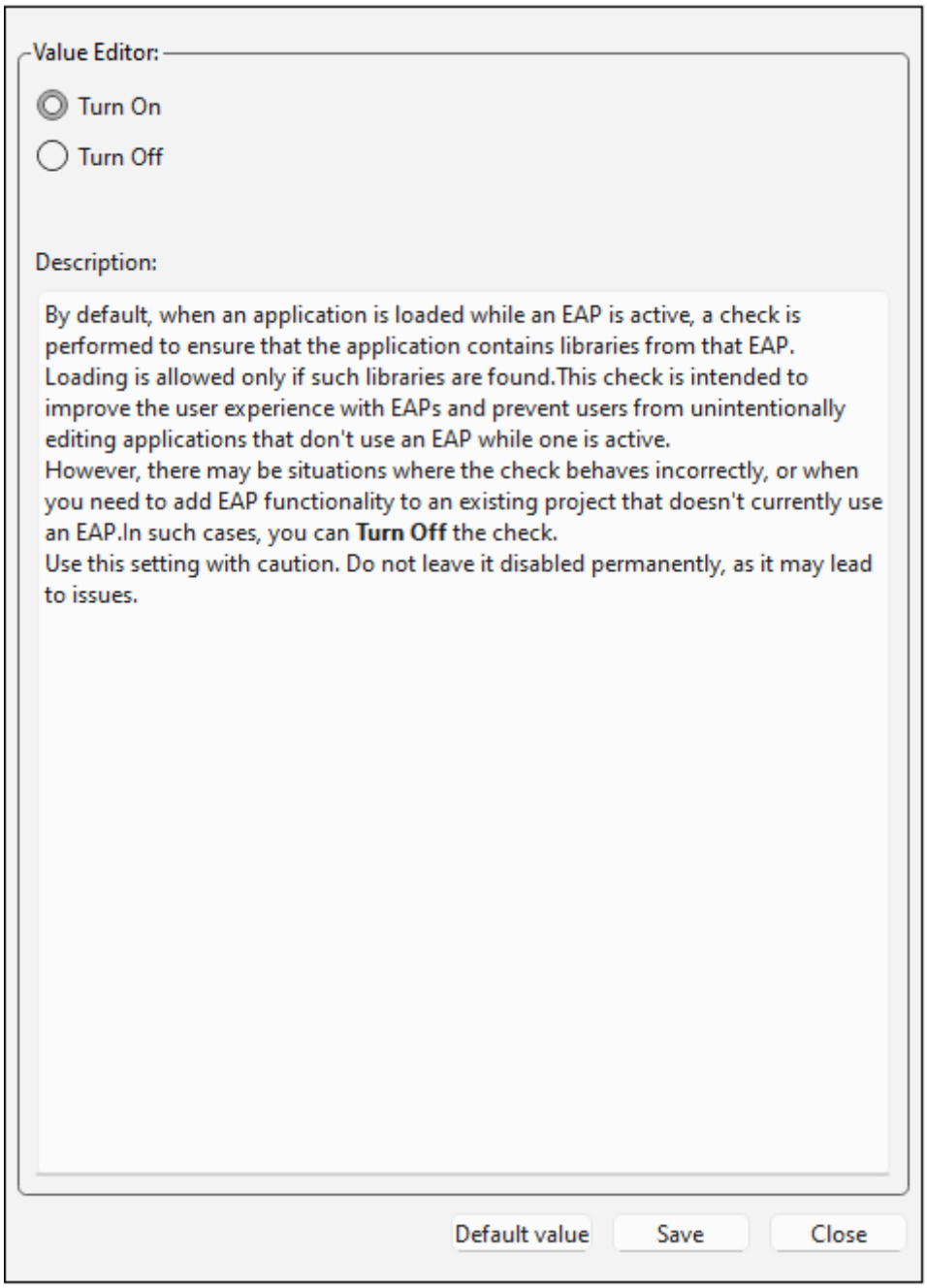
3.10 Git safe.directory configuration (3.x version only)

This setting creates a temporary Git configuration used to avoid errors caused when cloning Git repositories from shared local folders. Use the value editor to turn the feature on and automatically create a temporary configuration. Alternatively, you can use the value editor to turn the feature off and configure Git manually.



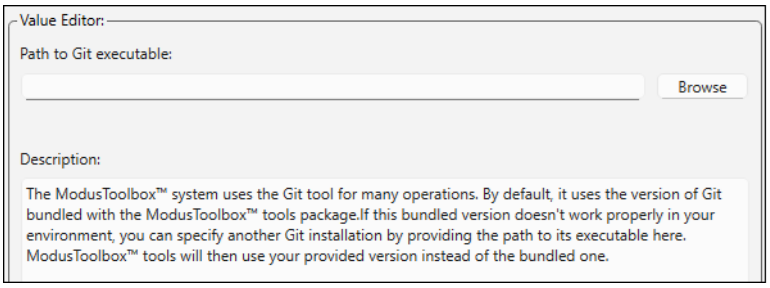
3.11 Check EAP on app load (3.x version only)

This setting enables a check when an early access pack (EAP) is active to ensure that the application contains libraries from that EAP. While this setting is meant to improve the overall user experience with EAPs, you can choose to disable the check feature for your project, if needed.



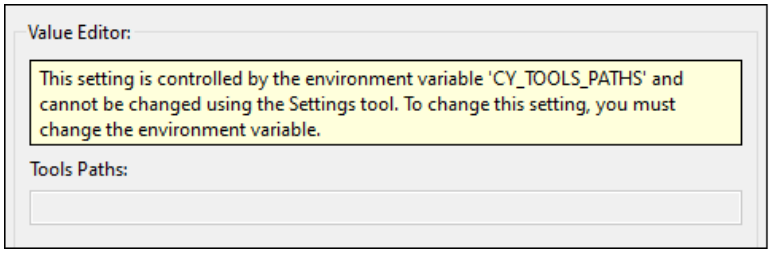
3.12 Custom Git executable

If the default version of Git bundled with the tools package does not work properly, this setting allows you to specify a different Git installation by entering the path to its executable.



3.13 Tools Paths

This setting is controlled by the environment variable 'CY_TOOLS_PATHS' and cannot be changed using the Settings tool. To change this setting, you must change the environment variable.



4 Version changes

Version	Change Descriptions
1.0.0	New Settings tool.
1.10.0	Updated settings list to include Default SDK, Git safe.directory configuration, Check EAP on app load, and Custom Git executable.
1.20.0	Minor back-end changes and bug fixes. Updated information on virtual SDKs.
1.30.0	Minor back-end changes and bug fixes.
1.40.0	Minor back-end changes and bug fixes.

Revision history

Document revision	Date	Description of changes
**	2025-04-02	New document.
*A	2025-09-05	Updated document to version 1.10.0.
*B	2025-12-08	Updated document to version 1.20.0.
*C	2026-03-21	Updated document to version 1.30.0.
*D	2026-08-15	Updated document to version 1.40.0.

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