# **HOW TO**

Install Green Hills compiler plug-in into S32 Design Studio Rev. 1 — 25 March 2022



# Install Green Hills compiler plug-in into S32 Design Studio

#### **Revision History**

Revision	Date	Author	Description
1.0	25/03/2022		Create document how to install GHS compiler plugin into S32 Design Studio

Install Green Hills compiler plug-in into S32 Design Studio

## 1 Introduction

S32 Design Studio (S32DS) supports Eclipse plug-in of Green Hills Software (GHS) compiler to compile S32DS projects via GHS compiler. This document describes how to install this plug-in and enable GHS in the new project wizard.

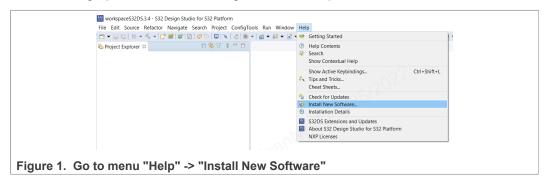
After the GHS Eclipse plug-in is installed successfully, you can be able to create and build S32DS project using GHS compiler under S32DS Eclipse environment if the device and SDKs support GHS compiler.

#### 2 Installation instructions

To able to use GHS compiler, you need to make sure that GHS compiler is installed with a valid license. Follow the steps below to install eclipse plugin:

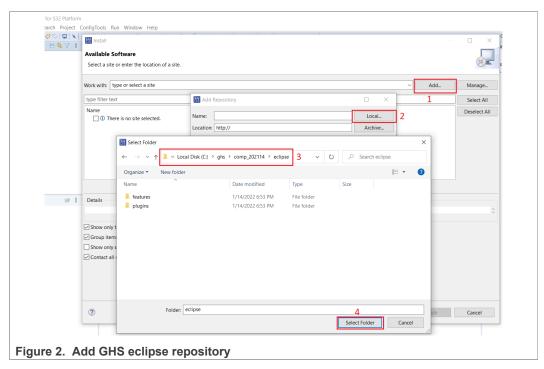
## 2.1 Install GHS Eclipse plug-in

- On S32DS graphical user interface, go to menu "Help" -> "Install New Software"

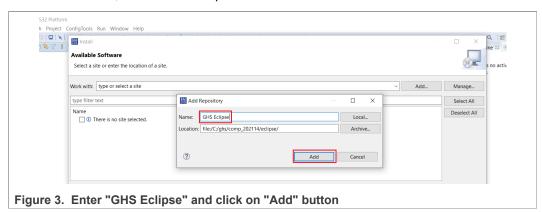


- In the "Install" dialog appears, click on "Add" button. In the "Add Repository" dialog appears, click on "Local". Navigate to the eclipse directory located in your MULTI compiler installation(eg: C:\ghs\comp\_202114\eclipse)

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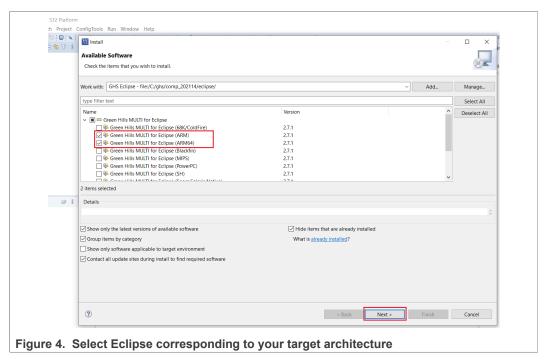


- In the Name box, enter "GHS Eclipse". Click on "Add" button.

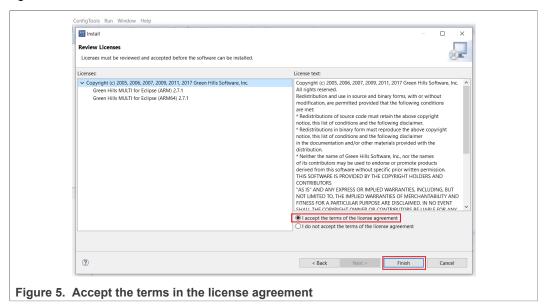


- In the Name/Version list, expand the Green Hills MULTI for Eclipse item. Select Green Hills MULTI for Eclipse corresponding to your target architecture(eg: Green Hills MULTI for Eclipse(ARM) and Green Hills MULTI for Eclipse(ARM64)). If you have MULTI licenses for more than one architecture, you can select all the targets you are licensed for. Click Next until you see the license acceptance page.

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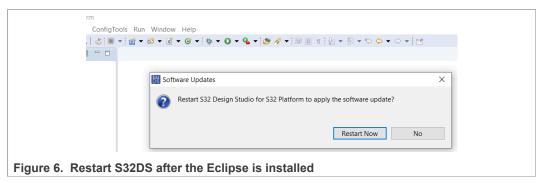


- If you accept the terms of the feature license, select I accept the terms in the license agreement. And click on "Finish" button.

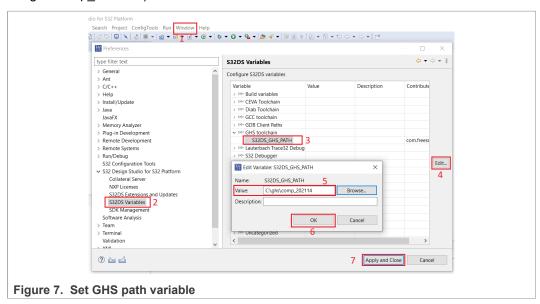


- If the Security Warning window appears, click on "Install anyway".
- In the "Software Updates" dialog box appears, click on "Restart Now" to restart S32DS.

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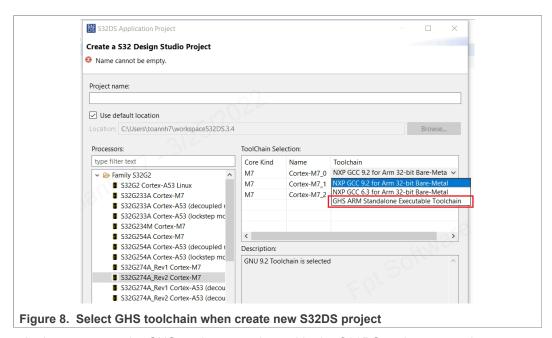
- Go to "Window" -> select "Preference" -> "S32 Design Studio for S32 Platform" -> "S32DS Variables". Set your GHS installation path for S32DS\_GHS\_PATH variable (ex "C:\ghs\comp 202114").



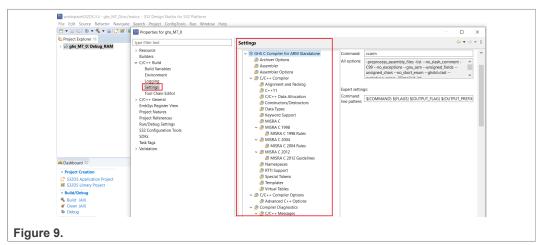
#### 2.2 Create new S32DS project using GHS in the project wizard.

- Now you can create a new S32DS project and select GHS toolchain for the device and SDKs support GHS toolchain.

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- And you can see the GHS settings are showed in the S32DS project properties.



#### Install Green Hills compiler plug-in into S32 Design Studio

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