



Microchip Security Workshop

Quang Hai Nguyen
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Installation Guide

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Revision History

Revision, Date	Editor	Subject (major changes)
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List of Abbreviations

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Introduction

This document guides you through the process of setting up the software development environments and hardware requirements for developing security solutions from Microchip.

Requirement

Hardware

- SAML11 Xplained board
- QT3 Explained board
- Secure Elements with provisioning
- Type-A to micro USB cable

Software

- Atmel Studio
- GitHub for Desktop
- TeraTerm (or any other terminal programs)

Besides, the hands-on also requires basic understanding of microcontroller and C programming language.

Installation guide

Installing Atmel Studio

Go to [link](#) to download Atmel Studio

Choose installation package



Downloads		Documentation		
Title	Date Published	Size	D/L	
Windows (x86/x64)				
Atmel Studio 7.0 (build 1931) web installer (recommended) -				
This installer contains Atmel Studio 7.0 with Atmel Software Framework 3.40.0 and Atmel Toolchains. It is recommended to use this installer if you have internet access while installing.	June 2018	2.4 MB		
Atmel Studio 7.0 (build 1931) offline installer -				
This installer contains Atmel Studio 7.0 with Atmel Software Framework 3.40.0 and Atmel Toolchains. Use this installer if you do not have internet access while installing.	June 2018	878 MB		
SHA1: fe531578d2b9957b6a9bd3f1583253279bc469f1				
Version number: 7.0.1931				

Figure 1: Choosing Atmel Studio installing package

Start Atmel Studio and check for update

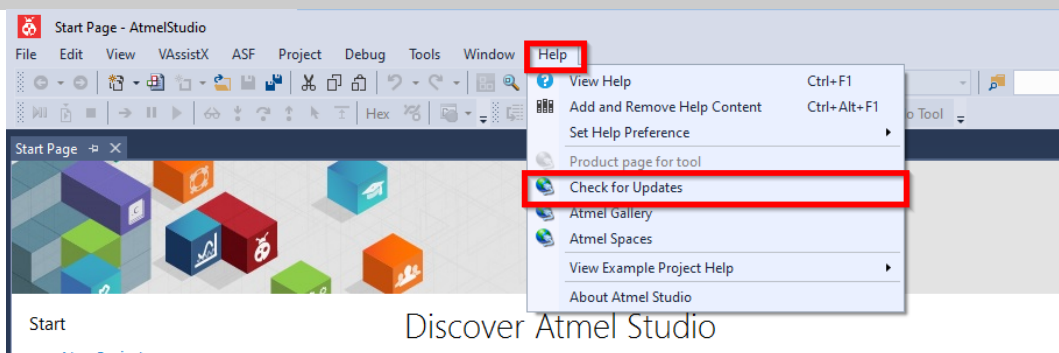


Figure 2: Update Atmel Studio

Installing TeraTerm

Go to [link](#) to download TeraTerm

Choose installation package

Tera Term (34 items)					Released at 2019-02-28 21:54	
4.102 (2 files)						
Name	Size	Hash	Date	Download count		
teraterm-4.102.exe	13.57 MB	Show	2019-02-28 21:55	177462		
teraterm-4.102.zip	8.36 MB	Show	2019-02-28 21:55	39205		

Figure 3: Choosing TeraTerm installing package

Installing Github Desktop (Optional)

Go to [link](#) to download Github for desktop

Getting the hands-on document

This section shows you how to get the training material via GitHub for desktop. It is recommended to use GitHub to get the material since the documents will be constantly updated.

Alternatively, please go here to download the document directly: [link](#)

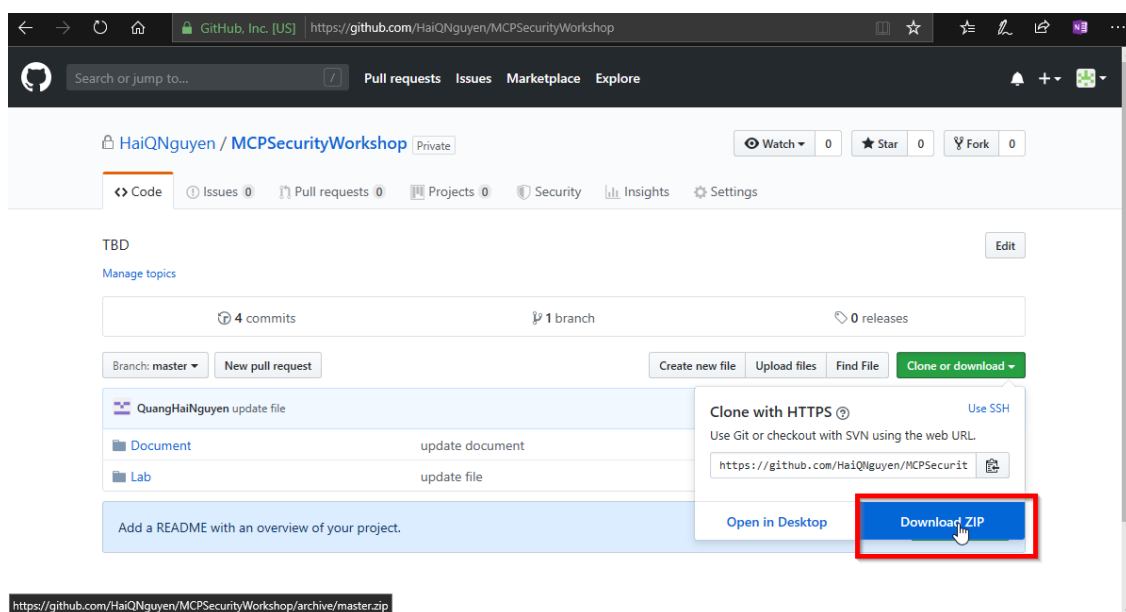


Figure 4: Getting the hands-on material

Getting documentation with GitHub desktop:

Start GitHub for desktop and choose Clone a repository from the internet

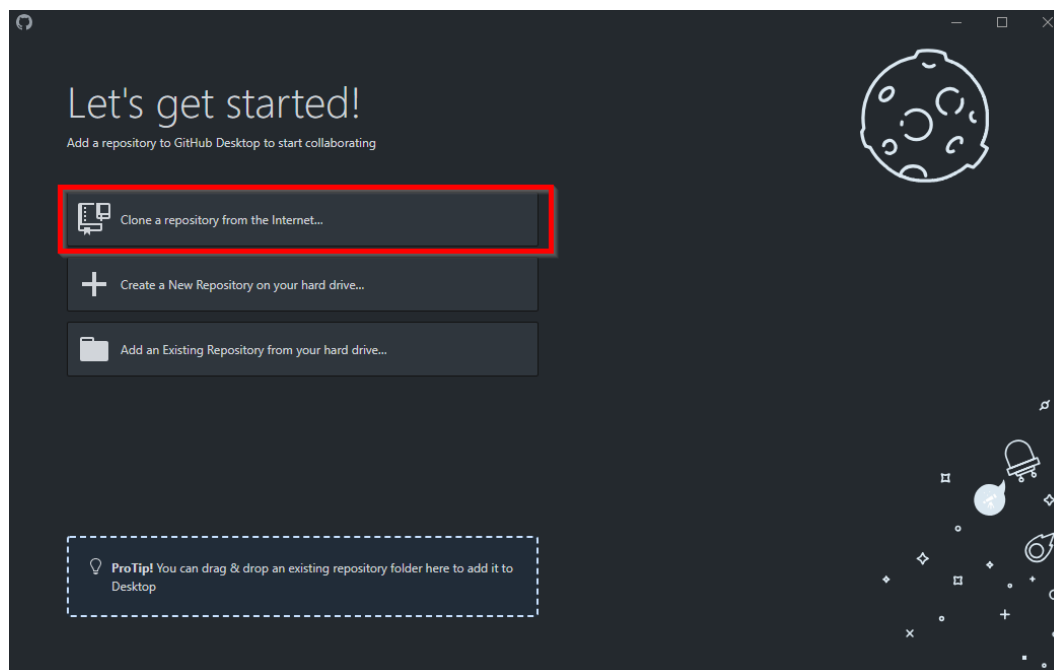
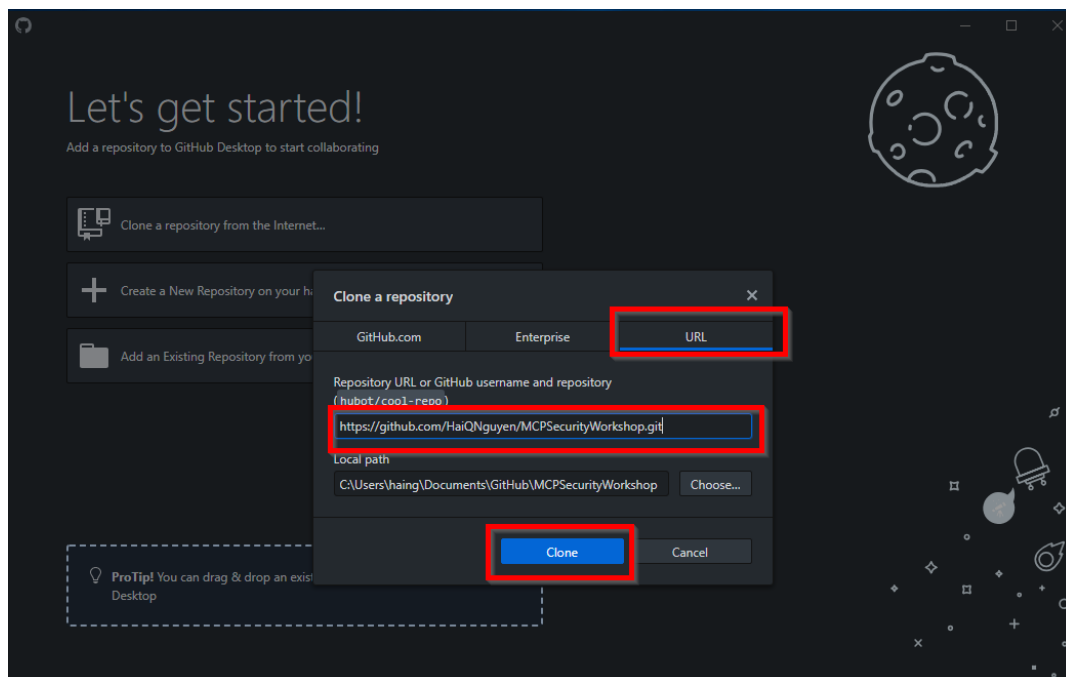


Figure 5: Clone the material to local machine

Enter the link of the repository and click clone. The repository link is:

<https://github.com/HaiQNguyen/MCPSecurityWorkshop.git>



Before working with the material, it is worth to check if there is any update. In GitHub for desktop, press the button Fetch origin.

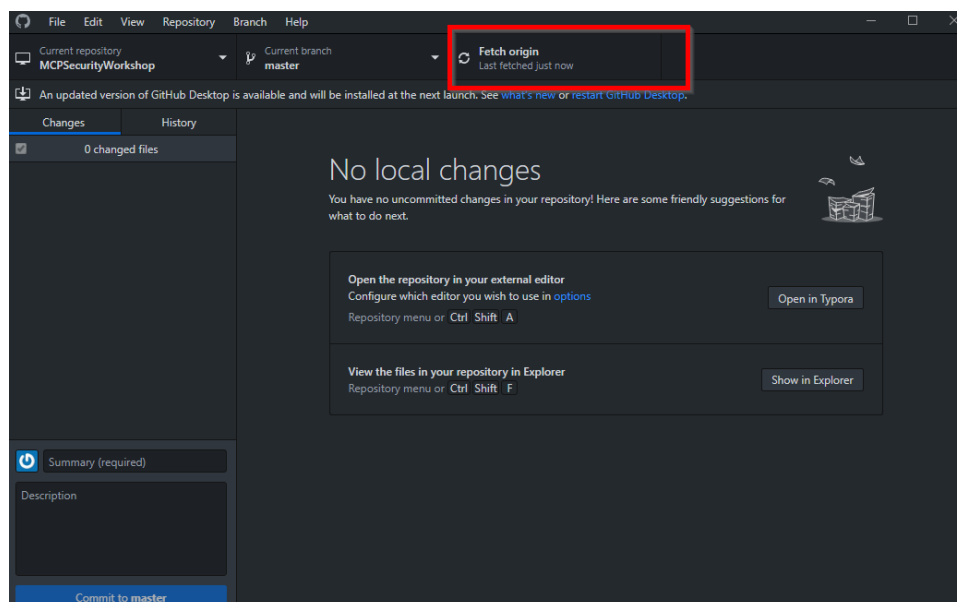
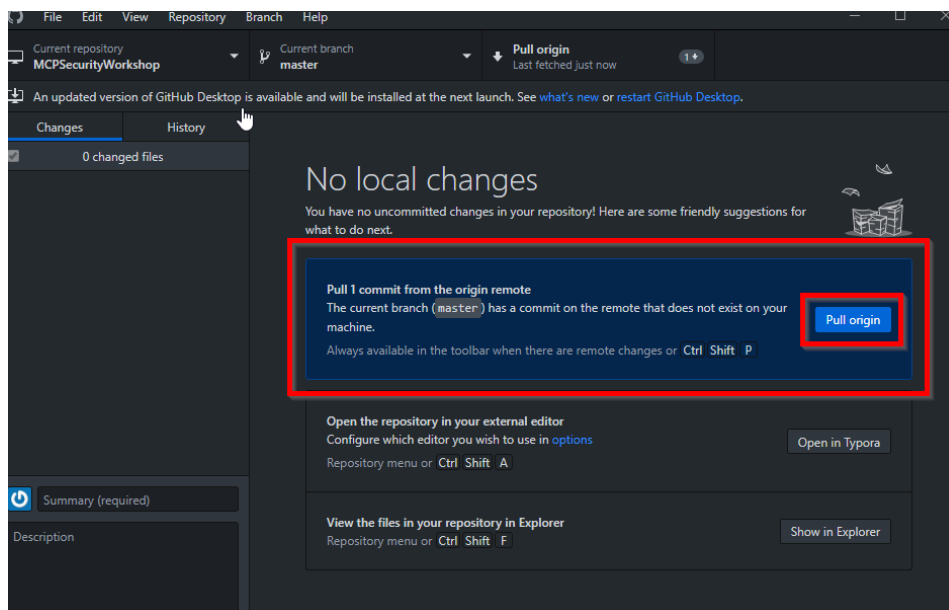


Figure 6: Update the material

If there is new update, click Pull origin



Congratulation! You are ready for the hands-on section!

Contact information

Janus Piwek
Dipl.-Ing. (FH)

Market Development Engineer - Microchip
Arrow Central Europe GmbH

email: jpiwek@arroweurope.com

THE END