Engineering DACH



**Microchip Security Training**

**Quang Hai Nguyen**

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**Installation Guide**

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# Revision History

|  |  |  |
| --- | --- | --- |
| Revision, Date | Editor | Subject (major changes) |
| Revision 0.1,  03.06.2019 | Quang Hai Nguyen | Initial |

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# List of Abbreviations

ADB *Android Debug Bridge*

ESC *Engineering Solutions Center*

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# Introduction

This document guides you through the process of setting up a virtual machine for the training session. In additional, you will know which software and hardware components are required to developing Microchip Security Solution.

# Code of Conducts

Most of the example codes and documents, agreed upon, can be shared with your customers but please be kind **DO NOT SHARE** the virtual machine. The virtual machine is setup only for Arrow internal training purpose. Please advise your customers to go to section “Installation guide without virtual machine” for software installation.

During the hands-on session, if you finish the labs earlier, please support your colleagues, who are still struggling.

# Requirement

## Hardware

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

## Software

* Atmel Studio
* Github
* TeraTerm

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

# Installation guide using virtual machine

|  |  |
| --- | --- |
| Installing VMware Workstation Player | |
| Go to | [link](https://my.vmware.com/de/web/vmware/free#desktop_end_user_computing/vmware_workstation_player/15_0) to download VMware player |
| Download and install VMware player |  |
| Start VMware Player |  |
| Choose | Open a virtual machine    Figure 1: Open a virtual machine |
| Choose the .vmx file and click open | Figure : Open .vmx file |
| Click | Play virtual machine    Figure : Play virtual machine |
| Choose | Figure 4: I copied it option |
|  | Password will be provided during the training    Figure : Sign-in |
|  | This is your working machine    Figure : Working machine |

# Installation guide without using virtual machine

|  |  |
| --- | --- |
| Installing Atmel Studio | |
| Go to | [link](https://www.microchip.com/mplab/avr-support/atmel-studio-7) to download Atmel Studio |
| Choose installation package | Figure 7: Choosing Atmel Studio installing package |
| Download and install Atmel Studio |  |
| Start Atmel Studio and check for update | Figure : Update Atmel Studio |
| Installing TeraTerm | |
| Go to | [link](https://osdn.net/projects/ttssh2/releases/) to download TeraTerm |
| Choose installation package | Figure 9: Choosing TeraTerm installing package |
| Installing Github Desktop (Optional) | |
| Go to | [link](https://desktop.github.com/) to download Github for desktop |
| Download and install Github Desktop |  |