**How to use the Toolchain Installer**

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**Revision :** 1.0

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**2.Needed files and tools**

In order to install your toolchain correctly you will need the following files and tools:

setenv.bat – this is the batch file that you receive with your other project components and it includes every tool that your system needs in order to work without a problem. The Toolchain Installer reads and parses this file and only shows the tools that are present there.

setenv\_host.bat – this file is parsed in order to check the integrity of the tools you already have installed .If you have a new system , this file doesn’t exist and the Toolchain Installer will create and populate it automatically.

Obs.: If there is a setenv\_host.bat , make sure that it is present at C:\ProgramData or else the tool won’t be able to find what software you have installed.

7-Zip – The Toolchain Installer uses this tool in order to unarchive some programs that are present only in archive form.This program will always be the first option in the “setenv” tab from where you choose what you want to install.

**3.Using the Toolchain Installer**

The Toolchain Installer has 2 core parts that you can use :

**3.1.Installing tools**

First of all , after opening the app , you should see 3 tabs with the names : “home” , “setenv\_host” and “options”.These are the steps that you need to follow in order to correctly install your toolchain:

1 - Once you are in the “home” tab , press the “create toolchain from .bat file” button. This will open File Explorer.

2 - Select the “setenv.bat” file that came with the other project components.

3 – Switch to the new “setenv” tab that was created and check the boxes for what tools you need installed. In case you are not sure what to choose , just check everything that that is not already installed.

4 – After you have chosen the tools that you need , press the “copy and install” button and proceed through the installation process.

5 – At the end of the installation , switch to the “setenv\_host” tab.This is where you will see if the programs have been installed correctly.In case you don’t see some or any of the tools that you have installed , try reinstalling or going through the “troubleshooting” section in this document.

6 - ….

**3.2.Adding tools to the toolchain installer**

In case you are looking for a tool that isn’t present and you would like to add it in order to keep track of it , these are the steps that you should take:

1 – Open “test.json” and “setenv.bat” in a text editor (ex.Notepad)

2 – Find the tool that is not present in “test.json” but is found in “setenv.bat”.

3 – Inside “test.json” , at the end of the keyword “programs” you have to add this model:

{

"name": " ",

"from": " ",

"to": " ",

"register": " ",

"type": " ",

"checksum": " ",

"setenv":" "

}

4 – In the model you have to progressively fill in the spaces in front of the keywords like this:

name = the exact name of the tool found in “setenv.bat”

from = this is the path to the .exe/.msi installation file.

The path where you will find the installation files is the following:

[\\cw01\root\Loc\bbuv\did35005\PUBLIC\Tool](file:///\\cw01\root\Loc\bbuv\did35005\PUBLIC\Tool)

to = C:\Tools\Common\ + “name” + “\” + “.exe/.msi file name”

register = open the “add or remove programs” system settings and search for your tool ,then type its name the way it is found there. In case there is none , or you don’t have it installed yet , type “NOT FOUND”.

type = for files that are archived , type “archive” or if they are .exe/.msi , type “install”.

checksum = if you have a md4 sum of the folder where your tool is installed , type it here. If not , leave it empty. This field is then compared to the md4 sum that the toolchain installer does and if they match , you will see your tool in “setenv\_host” tab.

setenv = in “setenv.bat” , under your tool’s name you will see a line that starts with “set DIR+name of your tool”.In “setenv” field , type what you see between the two “%” that follow after that.

5 – In “test.json” check that after every enclosed tool besides the last there is a “,” after the “}”

6 – If everything is correct , you should be able to see your tool in “setenv” whether it is installed or not.

**4.Troubleshooting**

P : No tools appear installed in “setenv” tab after the installation process

S : - Check if “test.json” has the proper structure (ex. missing “,” at the end of the enclosed brackets)

- Check if the “register” field inside “test.json” matches the name of program in “add or remove programs” system settings

P : Getting the “(name of the program) has crashed “ error

S : - Check that “from” and “to” fields in “test.json” have the correct paths to the .exe/.msi.

- Something may interrupt the installation.

P : There are no tools in “setenv\_host”.

S : - Make sure that the “setenv\_host.bat” file is present at C:\ProgramData

- Open the “setenv\_host.bat” file and see if the “set DIR\_+(name of tool)” line is pointing at the correct path of your tool.

- Delete any files that you have added to the tool folders afterwards.

P : Toolchain installer doesn’t unpack the archives that are specified.

S : - Check if you have 7-zip installed.

- Check that “from” and “to” fields in “test.json” have the correct paths to the archive/s.