

Sample DevNext Profile file

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```
; "Isolation Section where the Details of OS and Variant will be mentioned"
; "Support isolation Options are"
;"meaning of variant focal for ubuntu 20.04 and jammy for ubuntu 22.04"
; "OS = Ubuntu, Windows"
; "VARIANT = Ubuntu:-[focal, jammy] Windows:-[Windows10]"
[isolation]
OS=Linux
VARIANT = focal

; "Section to mention the Isolation Details"
; "This is the mandatory section"
; "OEM, VARIANTNAME, MODELYEAR, PRODUCTTYPE, PROGRAMNAME"
; "PRODUCTTYPE can take one of [IC | CID | BMS | CDC] or [ic | cid | bms | cdc]"
[projectname]
OEM=FORD
VARIANTNAME=v710_ed3
MODELYEAR=2023
PRODUCTTYPE=CDC
PROGRAMNAME=s2dot8

; "Tool Chain Required for the Project Team"
; "To check version and packages available "
    "https://jfrog.glcc.visteon.com/artifactory/webapp/#/artifacts/browse/tree/General/devNext-conan/_"
; Build Specific Packages can be mention using the "~" option after the package name
; Eg: For "qnx/7.0.0.20210708~gp" package we've mentioned that it has to run for the pattern gp in the build aliases
[requires]
cmake/3.20.6
klocwork_desktop_cli/23.4.0.69.1@visteon/stable
klocwork/23.4.0.69@visteon/stable
ghs/2017.1.4@visteon/stable
ninja/1.10.2
qnx/7.0.0.20210708@visteon/stable
repo_launcher/2.21@visteon/stable
vbuild/6.3.0@visteon/stable
doxygen/1.9.4@visteon/stable

; "PIP packages required for the Build"
; "Build Specific Packages can be mention using the "~" option after the package name
; Eg: For pycryptodome~gp package we've mentioned that it has to run for the pattern gp in the build aliases
[pip]
;cfffi==1.51.1
pycryptodome==3.15.0

; "APT packages required"
[apt]
gcc-multilib=4:7.4.0-1ubuntu2.3

; "Section to run to fetch the source code"
[gitfetch]
git config credential.helper cache
git clone https://eu.git.visteon.com/vw-ic-eu/mp22_mqbab_ic_basic8/tools.git
cd tools
git switch dev
git checkout 'MP23_MQBAB_IC_Basic8_54_00_23'
git submodule update --init --recursive
git submodule foreach "git checkout MP23_MQBAB_IC_Basic8_54_00_23"

; "Section to use for source Update"
[gitupdate]
cd tools
git submodule update --init --recursive
```

```
git submodule foreach "git checkout MP23_MQBAB_IC_Basic8_54_00_23"
```

```
; "Section for Build Commands"
; "Each Key in the section will acts as aliases commands for the Values"
; "Build commands can be continued in the following line with indentation."
```

Example.

```
;vp = vbuild --variant <VARIANT NAME> \
;   programs/vw/my2022/fpkb8/vp-build/platform_tv2_cm7.xml release
[build]
vpplatform=vbuild programs/vw/my2022/fpkb8/vp-build/platform_tv2_cm7.xml debug
hsm=vbuild programs/vw/my2022/fpkb8/hsm-build/platform_tv2_cm0plus.xml debug -j4
vp=vbuild programs/vw/my2022/fpkb8/vp-build/fpkb8_tv2_cm7.xml debug -j8
gp=vbuild programs/vw/my2022/fpkb8/gp-build/fpkb8_tv2_cm7.xml debug -j8
hsmclean=vbuild programs/vw/my2022/fpkb8/hsm-build/platform_tv2_cm0plus.xml debug --clean
vpclean=vbuild programs/vw/my2022/fpkb8/vp-build/fpkb8_tv2_cm7 debug --clean
vpplatformclean=vbuild programs/vw/my2022/fpkb8/vp-build/platform_tv2_cm7.xml debug --clean
```

```
[SystemRequirements]
```

```
wget https://jfrog.glcc.visteon.com/artifactory/Devops-Application-Engineering/GIT/Visteon_Root_CA.crt --no-check-certi
wget https://jfrog.chennai.visteon.com/artifactory/Devops-Application-Engineering/GIT/ZscalerRootCertificate-2048-SHA256
sudo cp Visteon_Root_CA.crt /usr/local/share/ca-certificates
sudo cp ZscalerRootCertificate-2048-SHA256.crt /usr/local/share/ca-certificates
sudo update-ca-certificates
conan remote add sofia-beta <url> [False|True]
```

```
; "To have codechecker enabled for your project please add this section"
; "Key will be module name and value will be comma separated folders"
; "You can have exclude folders as well for each module"
```

```
[codechecker]
```

```
MODULE_NAME = <comma_seprated_folders_in_module>
EXCLUDE_MODULE_NAME = <comma_seprated_folders_in_module>
TOKENS = <No._of_tokens_to_be_considered_as_duplicate>
```

```
; "URL : Klocwork server URL"
; "OUT : Directory for Klocwork analysis reports"
; "<BUILD_TYPE>_STREAM : Each build type will have an entry to define STREAM"
; "<BUILD_TYPE> : [ VP | GP | HSM | etc..]"
; "DEFECT_GATE : [review | warning | error | critical] - Optional and the default is 'review'."
; "DEFECT_GATE_MISRA : [adv. | req. | mand.] - Optional."
; "DEFECT_GATE_CERT : [L3 | L2 | L1] -Optional."
```

```
[CodeAnalysisDetails]
```

```
URL = https://kw.group3.visteon.com:8443/
VP_STREAM = FORD_DI_VIP/FORD_DI_V710_VIP_MY23_EP29226
GP_STREAM = FORD_DI_GIP/FORD_DI_V710_GIP_MY23_EP29226
HSM_STREAM = FORD_DI_BL/FORD_DI_V710_HSM_MY23_EP29226
OUT = kw-out
DEFECT_GATE = error
DEFECT_GATE_MISRA = mand.
DEFECT_GATE_CERT = L1
```

```
; "ARTIFACTORY_SERVER: Artifactory Server URL"
; "ARTIFACT_REPOS: List of Artifactory Repositories related to Project separated by comma"
; "ARTIFACT_OUT: Path to the file/Folder that need to be archived and uploaded to Artifactory"
; "ARTIFACT_EXCLUDES: Paths of Flies/Folders separated by comma that needs to be excluded from archive."
; "ARTIFACT_NAME: Name for the Artifact"
```

```
[artifact]
```

```
ARTIFACTORY_SERVER = jfrog.chennai.visteon.com
ARTIFACT_REPOS = NISSAN_P13A_EL2_CRE_MY2024_EP30319_NightlyBuilds,NISSAN_P13A_EL2_CRE_MY2024_EP30319_Release
ARTIFACT_OUT = programs/nissan/my2024/p13a-el2/out/IMG/P13A_RUN1/release
ARTIFACT_EXCLUDES=programs/nissan/my2024/p13a-el2/out/IMG/P13A_RUN1/release/CMakeFiles
ARTIFACT_NAME = ${projectname:OEM}_${projectname:VARIANTNAME}
```

```
; "Environment Variable etc., Details"
; "Do not use double quotes for key value pairs"
```

```
[envsetup]
```


```
PROJECT VARIANT=${projectname:VARIANTNAME}
```

```
; "alias commands to run"
; "If alias commands have spaces put it in Double quotes(") as given in below example"
;(only on Linux)
[commands]
dir='ls -al'

; "Email of maintainer of this file"
; "This is mandatory section"
[support]
<cdsid@visteon.com>
```

Note: This is a sample profile file. The purpose of this is to see and understand the Profile file structure. Since it's sample profile file it may not work in your system because you would not have access to this project.

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Support: If you've any Queries w.r.t above mentioned steps, please reach out to  devNext.support@visteon.com