

## ISOLAR-A: Adapter generation via command line



### Question

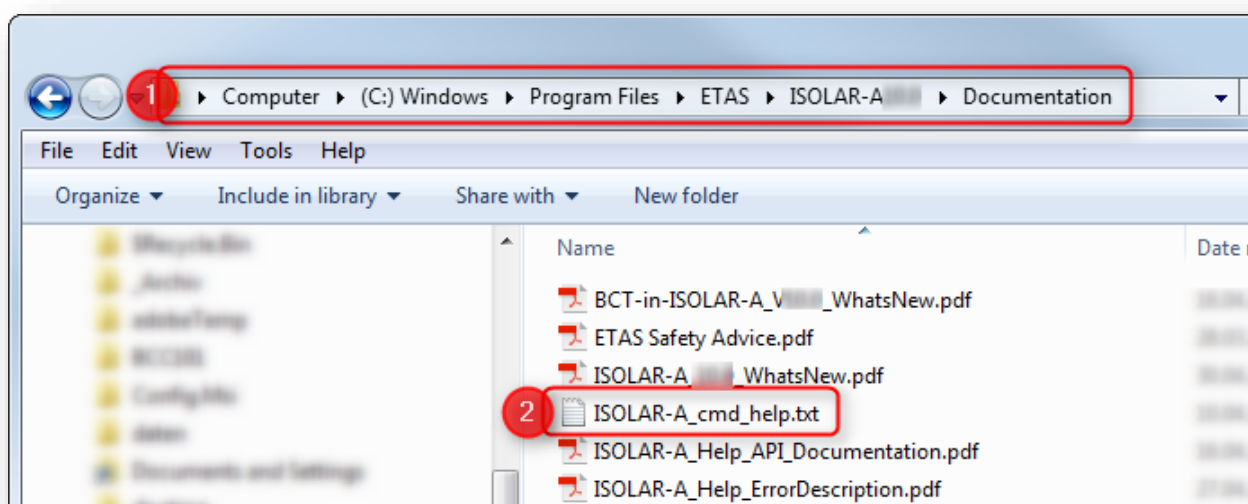
- Is it possible to use ISOLAR-A functionality via command line interface (**CLI**)?
- I heard that it is possible to call "**Generate** → **Adapters**" from command line
  - What is the exact command?
  - Where can I find some documentation (regarding arguments, parameters, syntax)?



### Answer

- ISOLAR-A comes with documentation regarding command line interface commands:

**<ISOLAR-A\_installation\_directory>\Documentation\ISOLAR-A\_cmd\_help.txt**



- For example: **C:\Program Files\ETAS\ISOLAR-A33.3\Documentation\ISOLAR-A\_cmd\_help.txt**

View help file directly on command line

- Content of this **ISOLAR-A\_cmd\_help.txt** file can be displayed directly on command line interface via command

`isolar-a.cmd -h`

- Open command line interface



- Execute following command: `isolar-a.cmd -h`

```

C:\Windows\system32\cmd.exe
C:\Program Files\ETAS\ISOLAR-A >isolar-a.cmd -h
C:\Program Files\ETAS\ISOLAR-A >echo off
<1> AUTOSAR Validation Syntax
ISOLAR-INSTALLATION-DIR>ISOLAR-A.cmd -arval --option-name=<option-value>
option-name --file/-f ! --project/-p ! --version/-v ! [--profile] ! [ --log/-l ] ! [--ulf]
--file/-f : Invoke file level validations
--project/-p : Invoke project level validations
--version/-v : AUTOSAR release version [3x ! 4x]
[--profile] : Validation Profiles [System, Software, Ecu or BswMdt]
[--log/-l] : Log path where all the validation results are logged
[--ulf] : To generate validation report in ULF format

Note : If [--profile] command not available, validations for all the profiles will be executed
<1.1> Project level validations
ISOLAR-A.cmd -arval --project=<project-path> --log=<log-path> or
ISOLAR-A.cmd -arval -p=<project-path> -l=<log-path>
Example : ISOLAR-A.cmd -arval --project=C:\InterECU_4x --log=C:\log.txt
<1.2> File Level Validations
ISOLAR-A.cmd -arval --file=<fp1,fp2...,fpN, fd1,fd2...fdN> --version=<3x ! 4x> --log=<log-path>
or
ISOLAR-A.cmd -arval -f=<fp1,fp2...,fpN, fd1,fd2...fdN> -v=<3x ! 4x> -l=<log-path>
Where <fp> : arxml file-path
Where <fd> : directory <arxml files under the directory, sub-directories will be considered>
Note : [--version/-v] is mandatory command for file level validations
Example : ISOLAR-A.cmd -arval --profile=Software, System, Ecu --version=4x,
--file=C:\InterECU_4x, C:\sample.arxml
--log=C:\log.txt --ulf=C:\report.ulf
<1.3> User Defined Validations
ISOLAR-A.cmd -arval --project=^<project-path>
--profile=^<profile-name>
--scripts=^<cp1,cp2...,cpN>
--log=^<log-path>
or
ISOLAR-A.cmd -arval -p=^<project-path>
--profile=^<profile-name>
--scripts=^<cp1,cp2...,cpN>
-l=^<log-path>
    
```

The document **ISOLAR-A\_cmd\_help.txt** contains among other things information regarding:

- AUTOSAR Validation Syntax
- ISOLAR-A ECU Extract
- Auto Connection feature for composition
- Auto SwcToEcu Mapping
- Delete Erroneous Connection
- ISOLAR-A rttmimport
- ISOLAR-A isolarworkflow
- ISOLAR-A Auto Signal Mapping
- ISOLAR-A Adapter Generation
- ISOLAR-A Auto SwcToImplMapping
- ISOLAR-A Scripting
- Autosar Model Update
- Auto Cleanup
- Headless Ease script
  
- In order to call **Generate** → **Adapters** from command line:
  - Have a look at **ISOLAR-A Adapter Generation**

```
ISOLAR-A Adapter Generation syntax below
ISOLAR-A.cmd -adaptergen --option-name=<option-value>
--project/-p | --compname/-c | -- genadapterforcomp | [--selfcontain] | --preparesystem | [--ignoreseviceport] | --log/-l | [--ulf] | --otheropt/-a
--project/-p      : [Mandatory] Autosar Project or Root folder which contains arxml files
--compname/-c     : [Mandatory] Component or composition name, on which the adapter generation is to be invoked
--genadapterforcomp : [Optional] If this is specified then generate adapter for composition will be invoked. If not specified then all open ports of the composition shall be closed
--selfcontain     : [Optional] If self contained adapter components are to be generated
--preparesystem   : [Optional] Values can be 1, 2 or 3
1: This is the default value and if specified Adapter components, composition and the test environment shall be generated
2: If this value is specified then only the adapter components and composition shall be generated
3: If this value is specified then only the adapter components shall be generated
--ignoreseviceport : [Optional]If this is specified then all service ports in the component/composition shall be ignored while generating adapters
--log/-l          : Log path where all the validation results are logged
[--ulf]           : To generate validation report in ULF format
--otheropt        : [Optional] File path which contains additional options to be provided
Example           : ISOLAR-A.cmd -adaptergen --project=D:\InterECU_4x, --compname = Debug --selfcontain --log=C:\Temp \log.txt --ulf=C:\Temp\ISOLAR_VAL_Report.ulf
```



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