

MICROSAR RTE Analyzer

Document Information

History

Author	Date	Version	Remarks
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	- -		
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Reference Documents

No.	Source	Title	Version
[1]		-	
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Caution

Contents

[illegible]

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1 Component History

Component Version	New Features
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2 Introduction



Caution



3 Functional Description

3.1 Features

[illegible]

3.2 Deviations

Not Supported Features					
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Not Supported Features

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4.1

4.1.1

[illegible]

4.1.2 Dynamic Files

File Name	Description

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File Name	Description

4.2 Restrictions

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4.5 **MicrosarRteAnalyzer.exe Command Line Options**

Option	Description

Example:

4.6 **Analysis Report Contents**

4.6.1 **Analyzed Files**

4.6.2 Configuration Parameters

Parameter	Description

4.6.3 Findings

ID	Headline	Description

[illegible]

ID	Headline	Description
		<pre>typedef struct { uint8* a; uint8* b; } struct_t; struct_t s; uint8** ptr = &s.a; ptr[1][0] = 7;</pre>
		<pre>uint8 a[5]; a[5] = 1;</pre>
		<pre>SuspendAllInterrupts(); a = 5; ResumeOSInterrupts();</pre>
		<pre>for (i = 0; i < 20; i++) { if (i == 5) { DisableAllInterupts(); } }</pre>

ID	Headline	Description
		<pre>if (i == 6) { EnableAllInterrupts(); } }</pre>
		<pre>if (a == 0) { DisableAllInterrupts(); } Function();</pre>
		<pre>void func() { DisableAllInterrupts(); func(); EnableAllInterrupts(); }</pre>
		<pre>DisableAllInterrupts(); if (a) { return; } EnableAllInterrupts(); return;</pre>

[illegible]

ID	Headline	Description
		<pre>#define RTE_START_SEC_VAR #include "MemMap.h" uint8 var; #define RTE_STOP_SEC_CONST #include "MemMap.h"</pre>
		<pre>uint8 var; #define RTE_START_SEC_VAR #include "MemMap.h"</pre>

ID	Headline	Description
		<pre>#define RTE_START_SEC_VAR #include "MemMap.h" uint8 var; #define RTE_STOP_SEC_VAR #include "MemMap.h"</pre>
		<pre>void Rte_API(uint8* a) { a[2] = 4; } void Runnable() { uint8 a[3]; Rte_API(&a[0]); }</pre>

ID	Headline	Description










4.6.4 Configuration Feedback

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4.6.5 Template Variant Check

4.7 Integration into DaVinci CFG

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Project Settings

Code Generation

External Generation Steps

<Filter>

Code Generation

Settings

External Generation Steps

Custom Workflow

Custom Workflow Steps

SWC Templates and Contract Headers

Settings

Modules

Additional Definitions

ECUC File References

Variants

Project Settings

MICROSAR RTE Analyzer

Name:

MICROSAR RTE Analyzer

Command line executable:

\$(SipRootPath)/Misc/RteAnalyzer/MicrosarRteAnalyzer.exe

Execution type:

Serial

Parameters:

-c \$(GenDataFolder)/RteAnalyzer/RteAnalyzerConfiguration.json -o \$(GenDataFolder)/RteAnalyzer/Reports

Working folder:

\$(SipRootPath)

Comment:

Charset:

IBM850

Target Type:

Real Target

Supports validation

Parameters:

Use specific AUTOSAR format

AUTOSAR format:

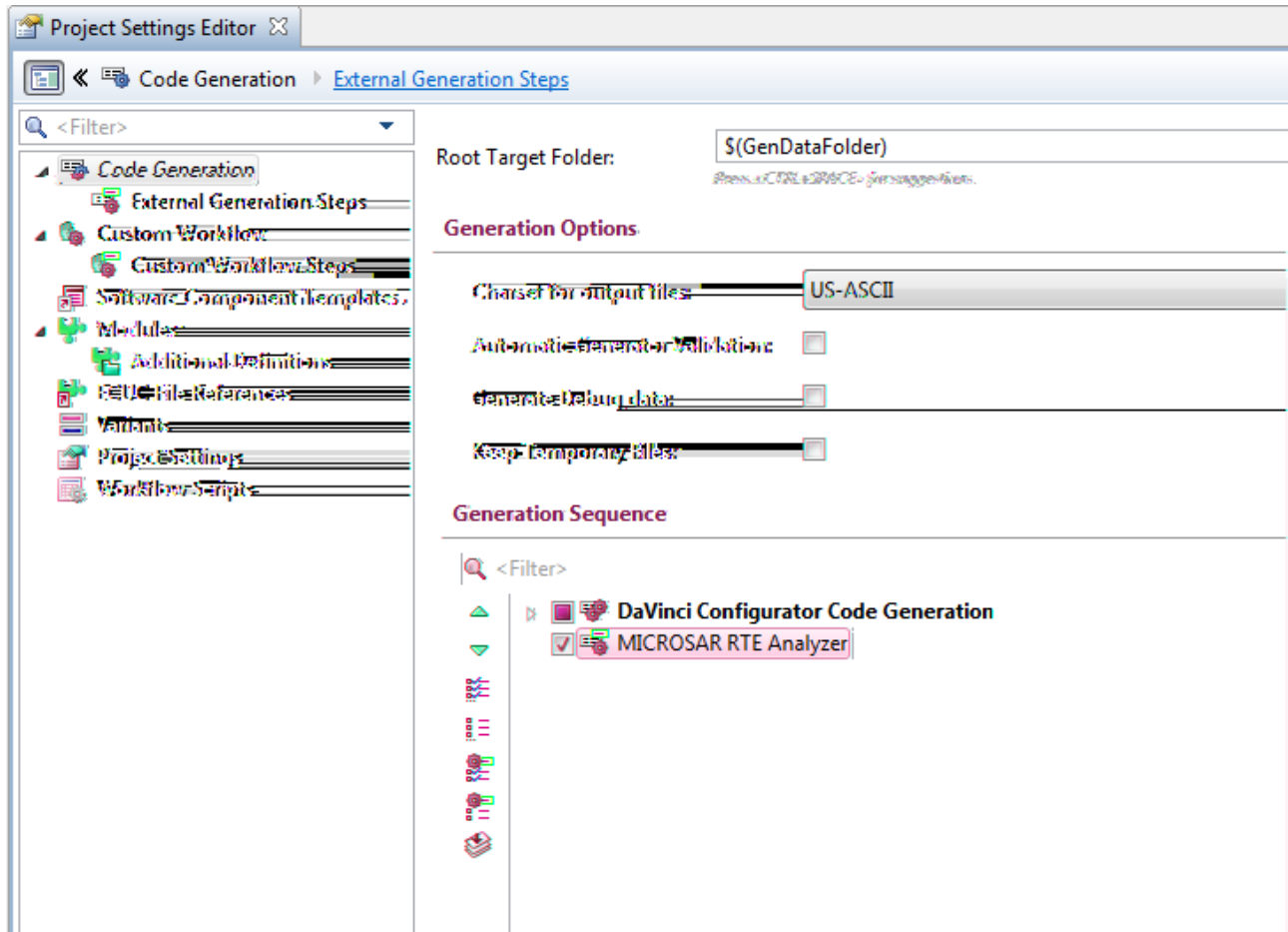
Use specific transformation file

Transformation file:

Output file:



Note



Note

5 Glossary and Abbreviations

5.1 Glossary

Term	Description

5.2 Abbreviations

[illegible]

6 Additional Copyrights

File	FOSS	License	License Reference
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