

Identity Manager - Multiple ECUs Version 1.6 2010-09-09 Application Note AN-ISC-8-1102

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1.1	What is	the	"Identity	Manager"	about?
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1.1.1 Physical Multiple ECU

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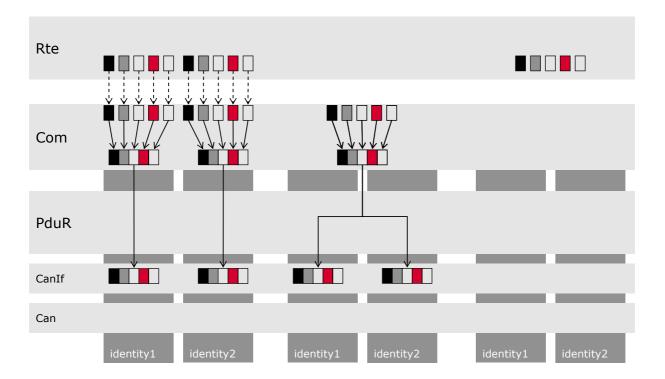
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1.1.2 Multiple Configurations ECU

1.1.3 (Virtual Multiple ECU)

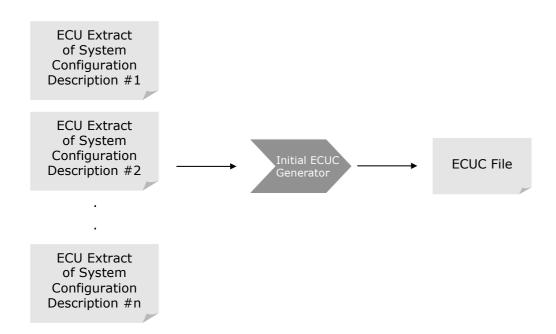
1.2 Operation principle of Physical Multiple ECUs





2.0 Configuring a Multiple ECU

2.1 ECUC creation (without overlay)



<u>vector</u> [♦]		
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DM_FRL.ecuc.arxml

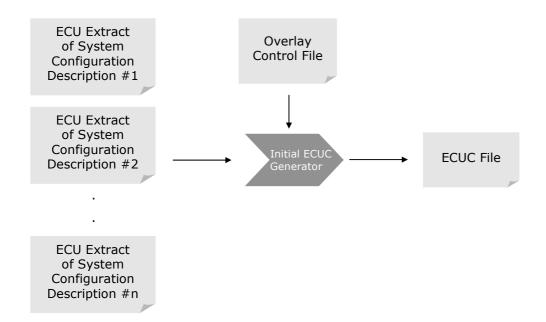
DM_FRL.Initial.ecuc.arxml
DM_FRL.ecuc.vdsxml
DM_FRL.Error.txt

2.1.1 What happens in the ECUC?



2.2 ECUC Creation (with overlay)

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<u>vector</u> \$
2.3 Overlay Control File
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2.3.1 Specifying the ECU Extracts to be merged



2.3.2 Specifying the merged ECU instance name

2.3.3 PDU overlay

2.3.4 Signal overlay

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2.3.5 Splitting the direction of PDUs

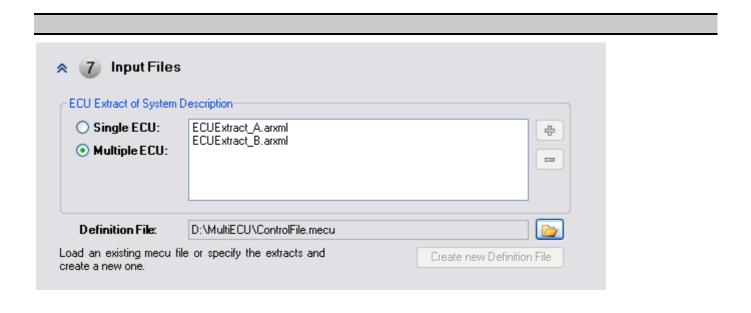
2.3.6 Example





2.4 ECUC creation using DaVinci Project Assistant

Multiple ECU



2.5 Generating the RTE of a Multiple ECU

3.0 Initialization of the BSW



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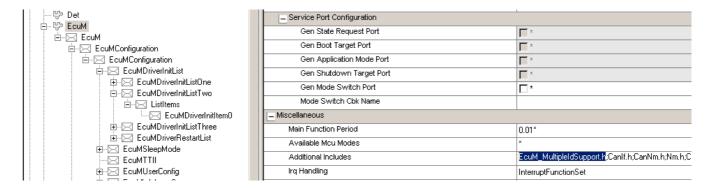
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3.1 Creation of the logic for identity selection

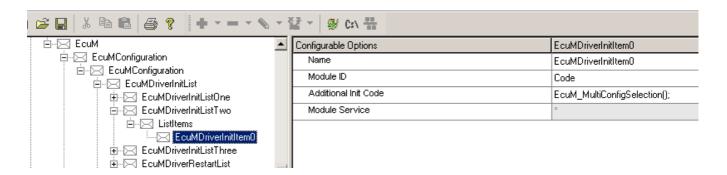


3.2 Prepare the ECUM configuration

Additional Includes



ECUM Driver Init List Two



3.3 Provide an user defined ECUM initialization function





3.4 Where do I find the initialization structures?

3.5 Overview of BSW module initialization

DCM, CANTP, CANNM, IPDUM, PDUR,

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4.0 Diagnostics and Multiple ECU Support

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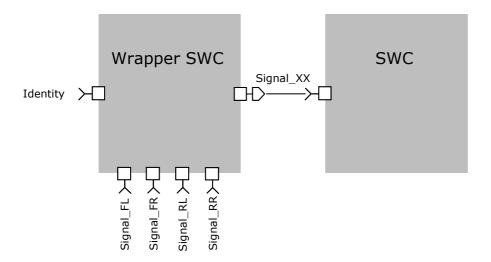
5.0 Supported use cases

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6.0 Restrictions and limitations





7.0 Additional resources



8.0 Contacts

Germany

and all countries not named below:

Vector Informatik GmbH

France, Belgium, Luxemburg:

Vector France SAS

Sweden, Denmark, Norway, Finland, Iceland:

Finland, Icelan VecScan AB

United Kingdom, Ireland:

Vector GB Ltd.

China:

India:

USA, Canada, Mexico: Vector CANtech, Inc. Japan:

Vector Japan Co. Ltd.

Korea:

Vector Korea IT Inc.