

ARTEMIS UDC _ _ INTEGRATION

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Version History

Version	Changes	Author	Status	Date
0.1	Initial	Khan, Mohammed Shahbaz	Draft	8/20/2022
0.2	Updated libs for DCA.	Khan, Mohammed Shahbaz	Draft	9/09/2022
0.3	Updated libs for PSM	Khan, Mohammed Shahbaz	Draft	10/21/2022
0.4	Updated Test Data	Khan, Mohammed Shahbaz	Draft	12/02/2022
1.0	Added Changes as per the ipk format	Khan, Mohammed Shahbaz	Draft	03/09/2023
1.1	Added /etc/udc/udc-version file	Khan, Mohammed Shahbaz	Release	06/02/2023
1.2	Added /etc/vsomeip/udc-application-service.json	Khan, Mohammed Shahbaz	Release	09/01/2023
1.3	Added Release Notes details	Khan, Mohammed Shahbaz	Release	11/17/2023

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1.Introduction

This document describes the details the integration of UDC Software to the platform. The details of the package structure uploaded to the software integration portal and the files it contain. It also mentions the path on the hardware where the UDC files need to be flash.

2.Package: exx_cpx_udc_release.zip

2.1. doc

All the related documents for the Software Release.

2.1.1. integration

All the related documents for the integration

Artemis_UDC_Integration.docx

2.1.2. test

All the testing related documents.

2.1.3. UDC-TCU_Release-EXX-UDCReleaseTAG

Release Notes for the Release Version.

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2.2. test

Test data pre-requisites for executing the udc test cases.

2.2.1. config

Static Configuration file for UDC Application.

- StaticConfig.json

2.2.2. testcases

TestCase related pre-requisite files.

- Test_01_04_UDC_Job_parsing_check\Job.dlf
- Test_01_05_UDC_uplink_collection_check\Job.dlf

2.3. mb-udc_xx.x.x-rx.ipk

The ipk package contains the udc binary, library files, service file and all the configurations files.
IPK files are archives containing the following.

2.3.1. /usr/bin

The application file.

- UDCApp

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2.3.2. /usr/lib

UDC library files.

- libmb_vdc_client.so
- libmb_vdc_client.so.0
- libmb_vdc_client.so.0.0.1
- libUDCCore.so
- libUDCCore.so.0
- libUDCCore.so.0.0.1
- libUDCModules.so
- libUDCModules.so.0
- libUDCModules.so.0.0.1
- libvdc_common.so
- libvdc_common.so.0
- libvdc_common.so.0.0.1
- libvdc_core.so
- libvdc_core.so.0
- libvdc_core.so.0.0.1
- libUDCSomeIPAdapter.so
- libUDCSomeIPAdapter.so.0
- libUDCSomeIPAdapter.so.0.1
- libUDCSomeIPAdapterConfig.so
- libUDCSomeIPAdapterConfig.so.0
- libUDCSomeIPAdapterConfig.so.0.1
- libUDCPSMHandler.so
- libUDCPSMHandler.so.0
- libUDCPSMHandler.so.0.0.1

2.3.3. /etc/udc

The configuration files for UDC.

- UDCApplicationConfig.json
- UDCDaemonConfig.json

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- udc-version

2.3.4. /etc/vsomeip

The SomeIP Security Configuration file for UDC Application

- udc-application-service.json

2.3.5. /usr/lib/systemd/system

The system service file for UDC application.

- udc-application.service

3.UDC Files Flashing

3.1. Libraries:

Copy the below files from the package to the mentioned path.

Library Files	Path on the HW
libUDCCore.so libUDCCore.so.0 libUDCCore.so.0.0.1 libUDCModules.so libUDCModules.so.0 libUDCModules.so.0.0.1 libmb_vdc_client.so libmb_vdc_client.so.0 libmb_vdc_client.so.0.0.1 libvdc_common.so	/usr/lib/

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libvdc_common.so.0 libvdc_common.so.0.0.1 libvdc_core.so libvdc_core.so.0 libvdc_core.so.0.0.1 libUDCSomeIPAdapter.so libUDCSomeIPAdapter.so.0 libUDCSomeIPAdapter.so.0.1 libUDCSomeIPAdapterConfig.so libUDCSomeIPAdapterConfig.so.0 libUDCSomeIPAdapterConfig.so.0.1 libUDCPSMHandler.so libUDCPSMHandler.so.0 libUDCPSMHandler.so.0.0.1	
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3.2. Executable:

Copy the below files from the package to the mentioned path.

Executable Files	Path on the HW
UDCApp	/usr/bin/

3.3. Configuration:

Copy the below files from the package to the mentioned path.

Config Files	Path On the HW
UDCApplicationConfig.json	/etc/udc/
UDCDaemonConfig.json	/etc/udc/
udc-version	/etc/udc/

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3.4. Security Configuration:

Copy the below files from the package to the mentioned path.

Config Files	Path On the HW
udc-application-service.json	/etc/vsomeip/

3.5. Systemd:

Copy the below files from the package to the mentioned path.

Service File	Path On the HW
udc-application.service	/usr/lib/systemd/system

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