Creating the open connected car with GENIVI®

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GENIVI®

Open Source IVI

Compliance

Baseline

meta-ivi

Genivi Development Platform (GDP)

meta-genivi-dev
genivi-dev-platform

GENIVI Technical Deliverables

Software Development Environment

GENIVI® Development Platform (GDP)

GENIVI Baseline

Individual Software Components

Standard Interfaces (APIs)

Architecture & Compliance Specification

Development & Operations Tooling

Features

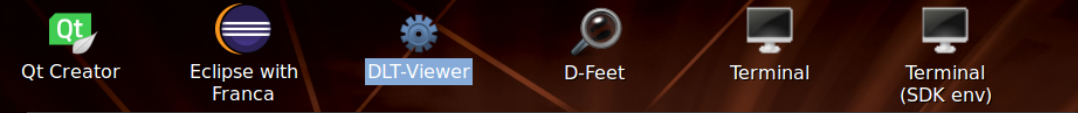# Established FOSS components

Linux
GNU tools
GStreamer
Wayland
Qt

Software Development Environment

Activities   Oracle VM VirtualBox   Sat 11:54   en

gdp-sdk-porter-201610062205 [Running] — Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

GDP Software Development Environment
porter 2016-10-06 22:05:43

Qt Creator   Eclipse with Franca   DLT-Viewer   D-Feet   Terminal   Terminal (SDK env)

qmltest.pro - qmltest - Qt Creator

File   Edit   Build   Debug   Analyze   Tools   Window   Help

qmltest

Build & Run   Editor   Code Style   Dependencies   Clang Static Analyzer

Add Kit
Manage Kits...

Desktop Qt 5.6.1 GCC 64bit   GDP-SDK for Porter
Build   Run   Build   Run

Deployment

Method: Deploy to Remote Linux H ⬍   Add ⬍   Remove   Rename...

Files to deploy:

Local File Path

/home/vagrant/Qt-5.6/Examples/Qt-5.6/qmltest/qmltest/tst_item.qml
/home/vagrant/Qt-5.6/Examples/Qt-5.6/build-qmltest-GDP_SDK_for_Porter-Debug/qmltest/tst_qmltestexample

Check for free disk space

Upload files via SFTP

Add Deploy Step ⬍

Run

Run configuration: tst_qmltestexample (on R ⬍   Add ⬍   Remove   Rename...

Executable on host: /home/vagrant/Qt-5.6/Examples/Qt-5.6/build-qmltest-GDP_SDK_for_P
Executable on device: /home/vagrant/gdp-sdk/yocto-sdk/porter/sysroots/cortexa15hf-neon-
Alternate executable on device: ☐ Use this com
Arguments:
Working directory: <default>

Type to locate (Ctrl+   1 Issues ①   2 Search R...   3 Applicati...   4 Compile ...   5 Debugge...

Java - Eclipse

File   Edit   Navigate   Search   Project   YoctoProjectTools   Run   Window   Help

Welcome ✕

Welcome to the Eclipse DSL Tools

What's New

Eclipse Platform
Find out about the major new features in this release

Java development tools
Find out about significant changes made to the Java

New Updates
Get the latest updates from Eclipse.org

Eclipse community
Join the community, read articles and news on Eclipse.org

Overview   Tutorials   Samples   What's New   Workbench

SDK Terminal

File   Edit   Tabs   Help

NOTE: Yocto-SDK environment has been set up.
E.g. try echo $CC, or which qmake
vagrant@gdp-sdk-porter:~$ arm-poky-linux-gnueabi-gcc -march=armv7ve myapp.cpp

GENIVI®

[LXTerminal]   qmltest.pro - qm...   SDK Terminal   Java - Eclipse   09:53   Right Ctrl

Diagnostic Log & Trace (DLT)

AudioManager

CommonAPI

Persistence

Remote Vehicle Interaction (RVI)

Software Over The Air (SOTA)

Spins

Qt Automotive Suite Spin

Future

Smart City Pilot

Nevada Center for Advanced Mobility

Google Summer of Code (GSoC)

Chromium

Life-cycle

Location-based Services

UI improvements

rvi_lib

Need & want contributions

Team Transition

Codethink

Pelagicore, a part of Luxoft

The end

http://projects.genivi.org/