

A flexible test solution for multiple domains – IoT and ITS use cases

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Abstract text

Internet of Things (IoT), which includes several application areas like transport, industrial, smart cities, smart metering/grid, healthcare, is one of the major trends today. It brings new technologies and new participants, and unavoidably new challenges into the machine-to-machine communication (M2M)/IoT scenery, for both application developers and service providers. The presentation will describe how the challenges are shifting the focus of testing in product development, with specific attention to the cooperative intelligent transport (C-ITS) and the global standard IoT areas, It will elaborate on testing activities driven by standard bodies like ETSI and oneM2M. Titan is an industrial-grade, open source, generic-purpose test tool for test automation, used in both the manual and model-based test development workflows in several domains, as telecom, automotive, avionics, telemetrics, IoT etc. Titan is a fundamental member of the Polarsys solution. It is being used by both industrial users and by standard bodies. Usability of Titan in different domains and types of testing is discussed, showing the detailed facts related to C-ITS and IoT.

Major topics:

- IoT and ITS landscape overview - Major M2M/IoT challenges and their effects in testing - ITS and the oneM2M interoperability and conformance testing - Titan – Polarsys’s major test tool

Usability Titan in different domains and types of testing