



KPIT

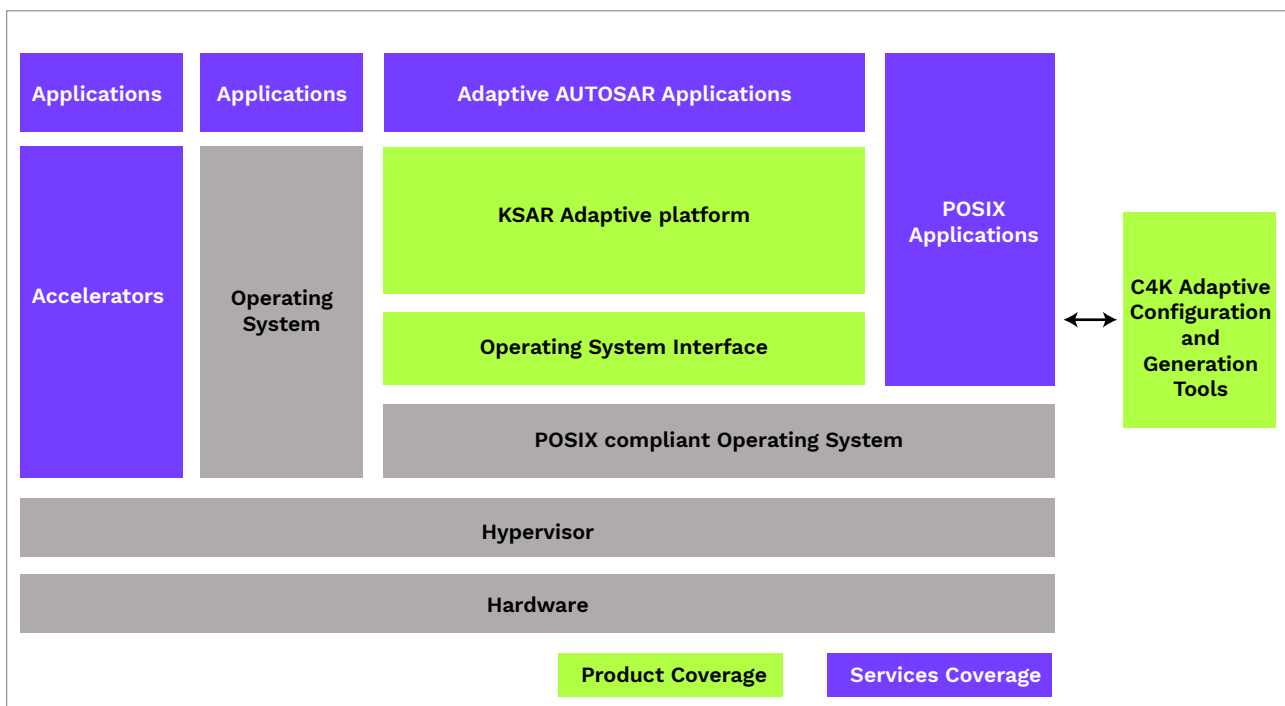
KPIT's AUTOSAR Adaptive Platform

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KPIT

KPIT's AUTOSAR Adaptive Platform (KSAR) Adaptive provides a sophisticated Service Oriented Architecture based solution for High Compute Platforms. KSAR Adaptive solutions includes Configuration and Code generation tools required for development of AUTOSAR Adaptive applications.



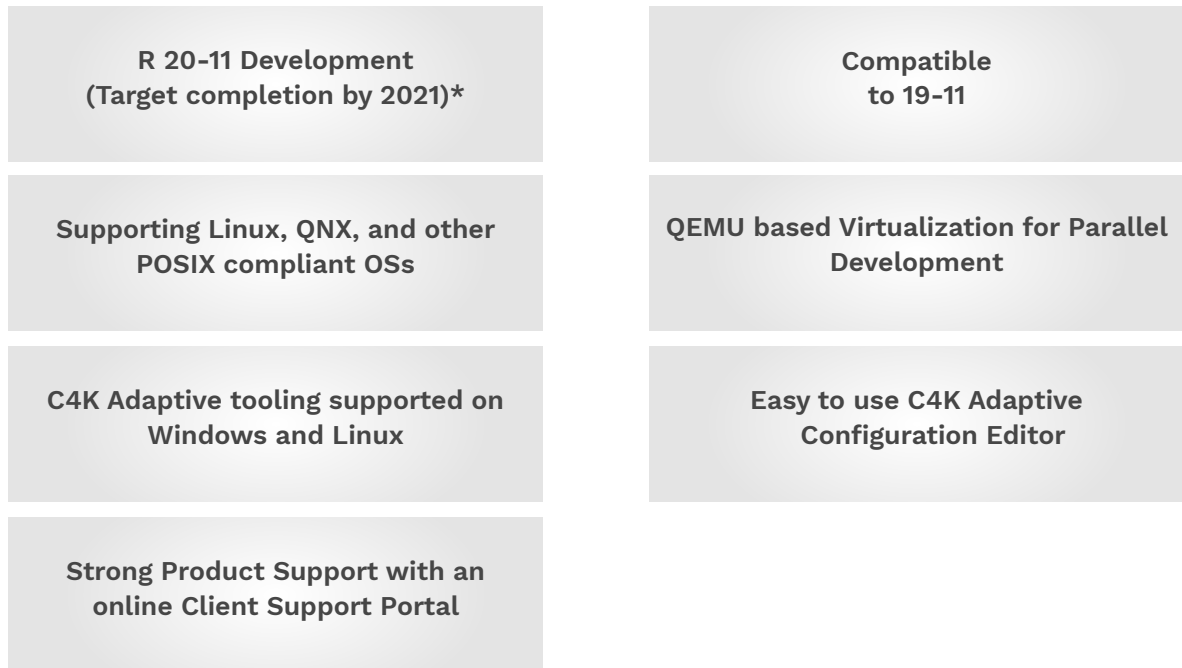
KSAR Adaptive Architecture



Production Ready Ports on
TI TDAx | Qualcomm | Xilinx Ultrascale | Renesas R-CAR



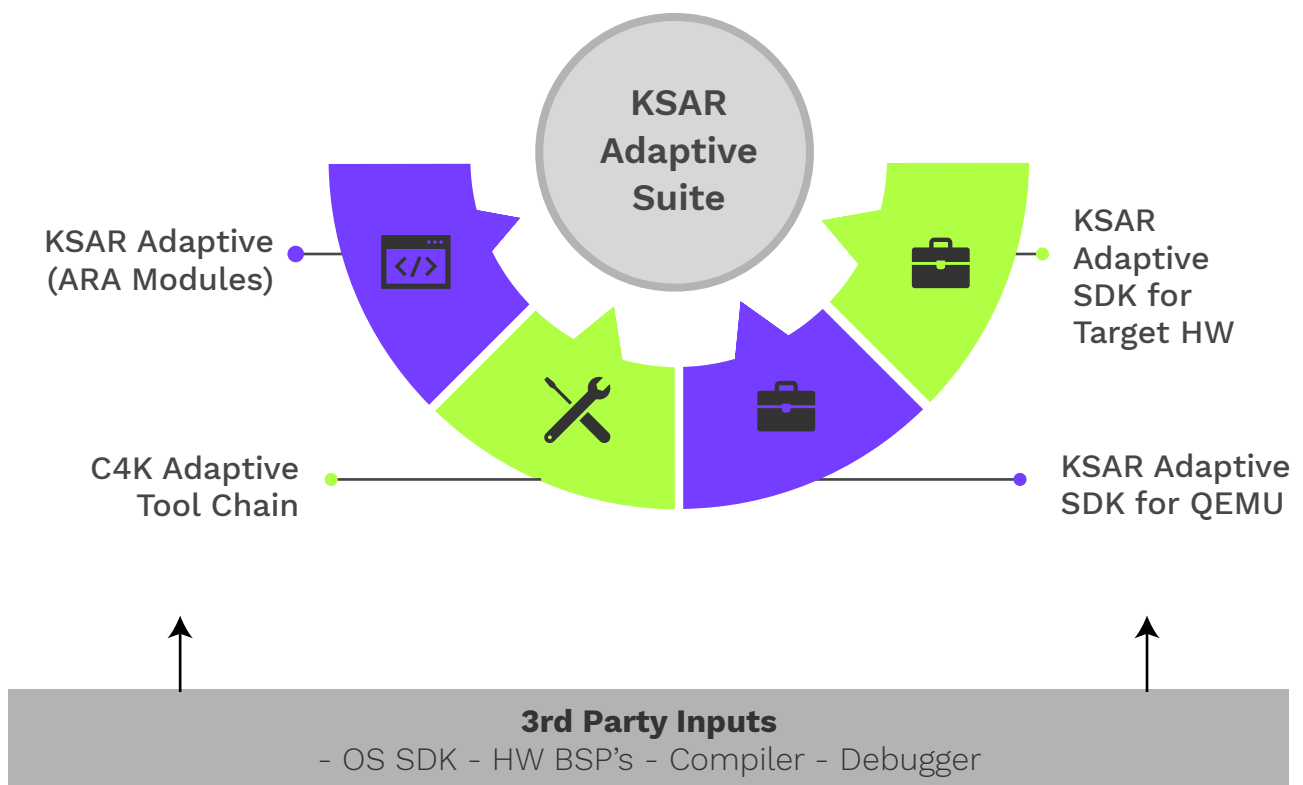
Key Highlights



*Please reach out to autosarsupport@kpit.com for a detailed product roadmap



KSAR Adaptive – Features



01

ARA Modules

AUTOSAR Runtime for Adaptive Applications consists of Adaptive Basic Services and generated Application interfaces for Application development. These are developed as per the Adaptive AUTOSAR Specifications

02

C4K Adaptive Integrated with Upstream Tools

C4K Adaptive Tool Chain provides a GUI to Configure Adaptive AUTOSAR platform and Applications. It supports importing and exporting of ARXML files. The C4K CLI generator will validate and generate C++ application interfaces and manifest for configuration of machine and integration of applications. C4K supports both Linux and Windows environments.

03

KSAR Adaptive SDK (QEMU)

KSAR Adaptive Software development Kit for QEMU contains the documents, tools and other supporting software libraries for developing an Adaptive Application (AA) for the QEMU Emulator Environment

04

KSAR Adaptive SDK (HW)

KSAR Adaptive Software development Kit for Target HW contains the documents, tools and other supporting software libraries for developing an Adaptive Application (AA) for the Target Hardware Environment



Adaptive AUTOSAR Programs with KSAR Adaptive

Client	Problem Statement	Solutions with KSAR Adaptive
European OEM	<ul style="list-style-type: none"> Designing next generation Vehicle Architecture based on Service Oriented Architecture Planning to move to pre-SOP phase 	<ul style="list-style-type: none"> Methodology to model a complete System with classic ECUs and Service Oriented Architecture ECUs Establish S2S and communication with Classic AUTOSAR ECUs
Asian OEM + Asian Tier 1	<ul style="list-style-type: none"> Adaptive AUTOSAR-based Communication Gateway ECU In addition, designing the process of Software Over-The-Air download 	<ul style="list-style-type: none"> SOTA with Adaptive AUTOSAR Software Packaging Software Package Transfer Software Activation FOTA with AUTOSAR Classic & Adaptive AUTOSAR, Master & Target Concept Integration with OTA Server, S/W Signing

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KPIT is a global technology company with software solutions that will help mobility leapfrog towards autonomous, clean, smart and connected future. With 7000+ Automobile believers across the globe, specializing in embedded software, AI & Digital solutions, KPIT enables

customers accelerate implementation of next generation mobility technologies. With development centers in Europe, Americas, Japan, China, Thailand and India – KPIT works with leaders in mobility and is present where the ecosystem is transforming.