

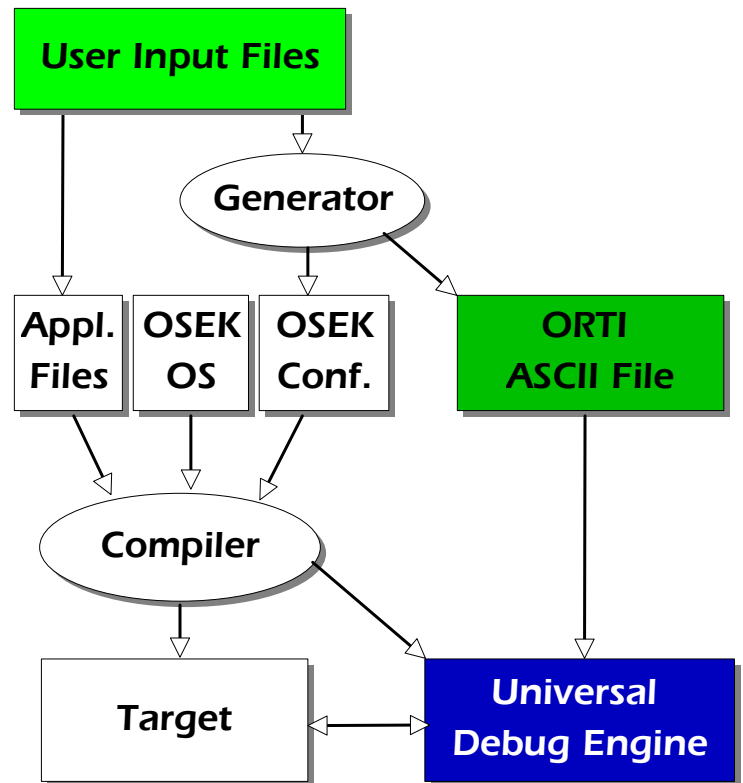
ORTI Support by UDE

ORTI, the OSEK Run-Time Interface, supported by UDE

The specification of the OSEK operating system is to represent an uniform environment which supports efficient utilisation of resources for automotive control unit application software. The OSEK operating system is a single processor operating system meant for distributed embedded control units.

The OSEK Run Time Interface (ORTI) is defined as a universal interface for development tools to the OSEK Operating System.

This interface allows the evaluating and displaying information about the OSEK operating system, its state, its performance, the different task states, the different operating system objects etc. The object information will be provided via an ASCII text file. Since OSEK implementations are configured statically, this data will be available at compilation. Additionally the ORTI file contains dynamic information as a set of attributes that are represented by formulas to access corresponding dynamic values. Formulas for dynamic data access are comprised of constants, operations, and symbolic names within the target file.



Support by Universal Debug Engine

Universal Debug Engine (UDE) , features the debugging on kernel level. The ORTI support of UDE allows an easy access to the OSEK operating system objects from within the debugger environment. UDE interprets the symbol informations from the ORTI file and shows the available objects separately in a view.

Universal Debug Engine realizes the ORTI view as Activ-X control and demonstrates the simple integration of new components into UDE via the COM technologie.

Name	Value
[-] Ercosek	
RUNNINGTASK	idleMode_bg
CURRENTPROCESS	PSensorMean_sync
CURRENTAPPMODE	driveMode
NEXT_TT_TASK	r10msSeq
[-] idleMode_bg	
TASKID	0
PRIORITY	0
MACT	1
NOFACT	1
STATE	RUNNING
[-] USER_STACK	
STARTADDRESS	0xD00012C8
SIZE	0x140

If you have any questions about your application development tools, please contact us at:

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