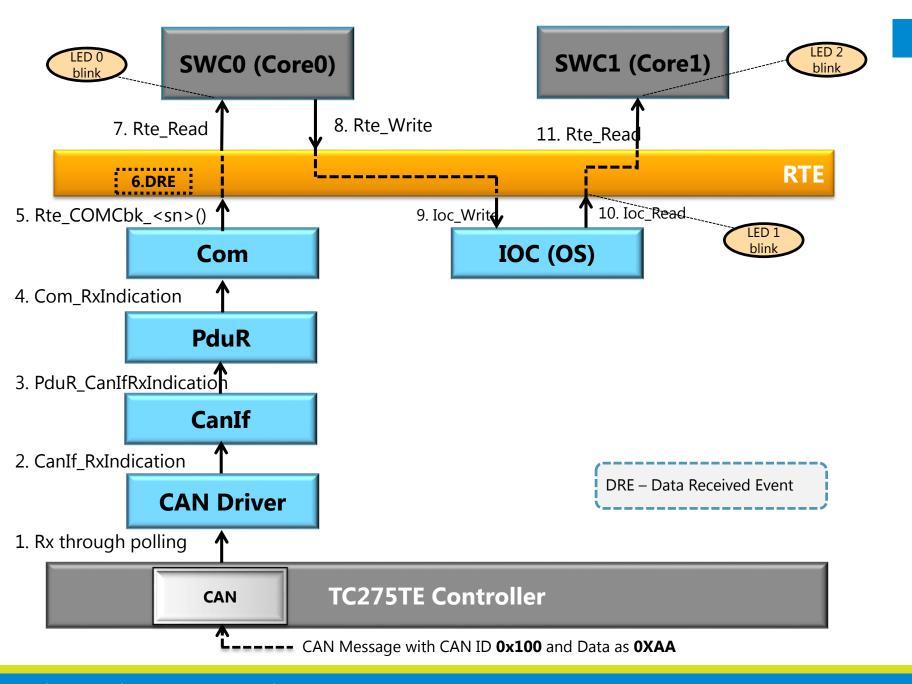
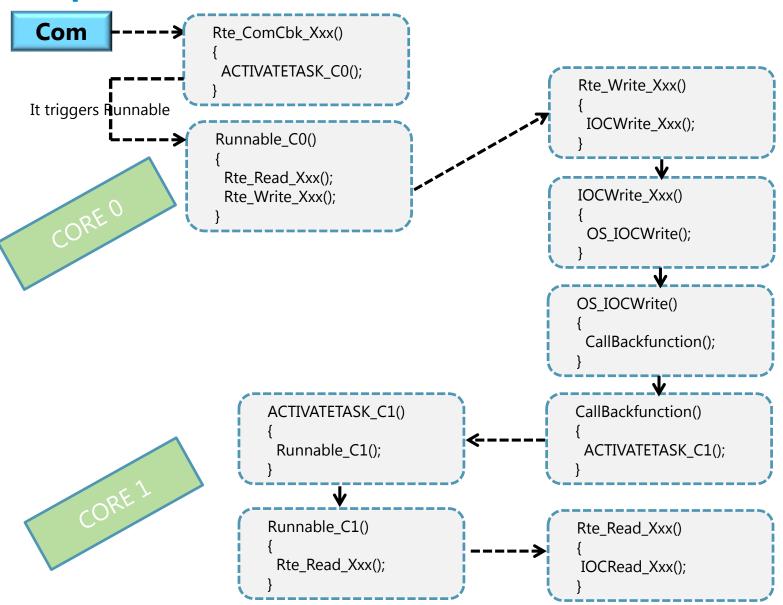


KPIT Multicore Demo

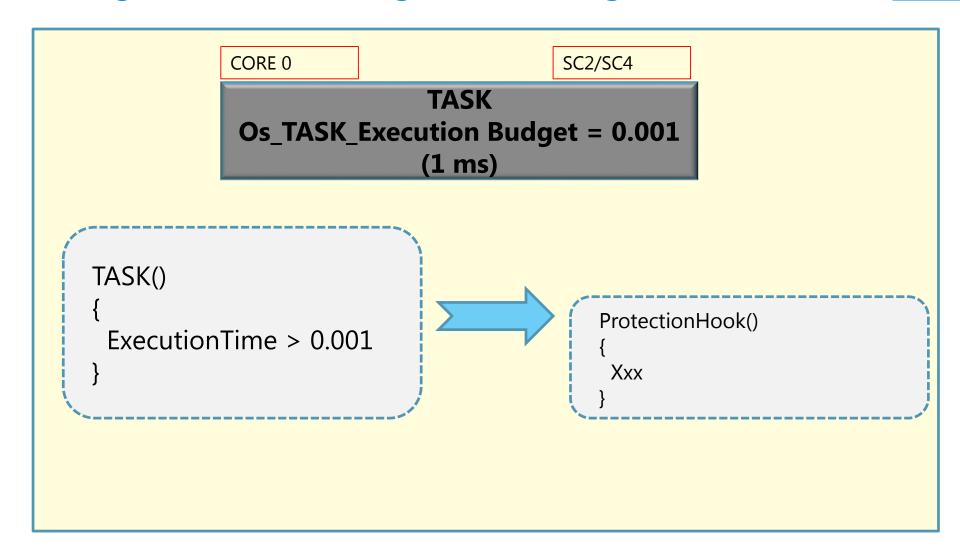


Startup Sequence – Multi-Core StartUp Code **Core Selection Master Core Activation** Main() **EcuM Init** Master Core ID 0 GetCoreId MCAL Init Main() Startup code for CORE 1 StartCore(1) **EcuM Init** activation **StartOS for Core 0** GetCoreId AUTOSTART_TASK **StartOS for Core 1** EcuM_StartUpTwo GetCoreId **AUTOSTART_TASK** Alarms for Core_0 SchM_Init **BSW** Initialization is started EcuM_StartUpTwo BswM_Init Master Core ID 1 Rte_Start Core_0 Task Mapped GetCoreId Runnable() Rte_TriggerSlave to Core_1 Alarms for Core 1 Rte_Start(); Core_1 SchM_Init is started

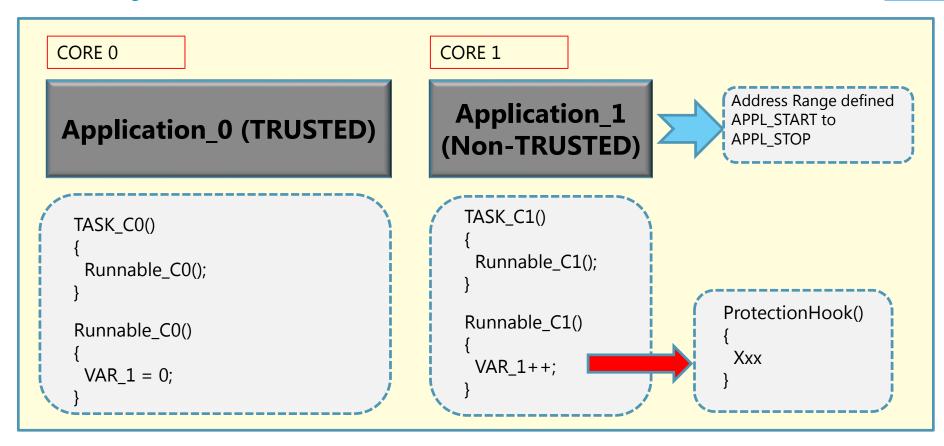
Sequence from CORE 0 to CORE 1

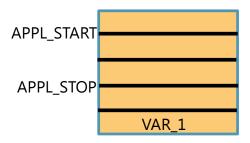


Timing Protection – Budget Monitoring



Memory Protection





Thank you

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