



# HARPOON (Cortex-**A**上运行的实时操作系统)

## HARPOON

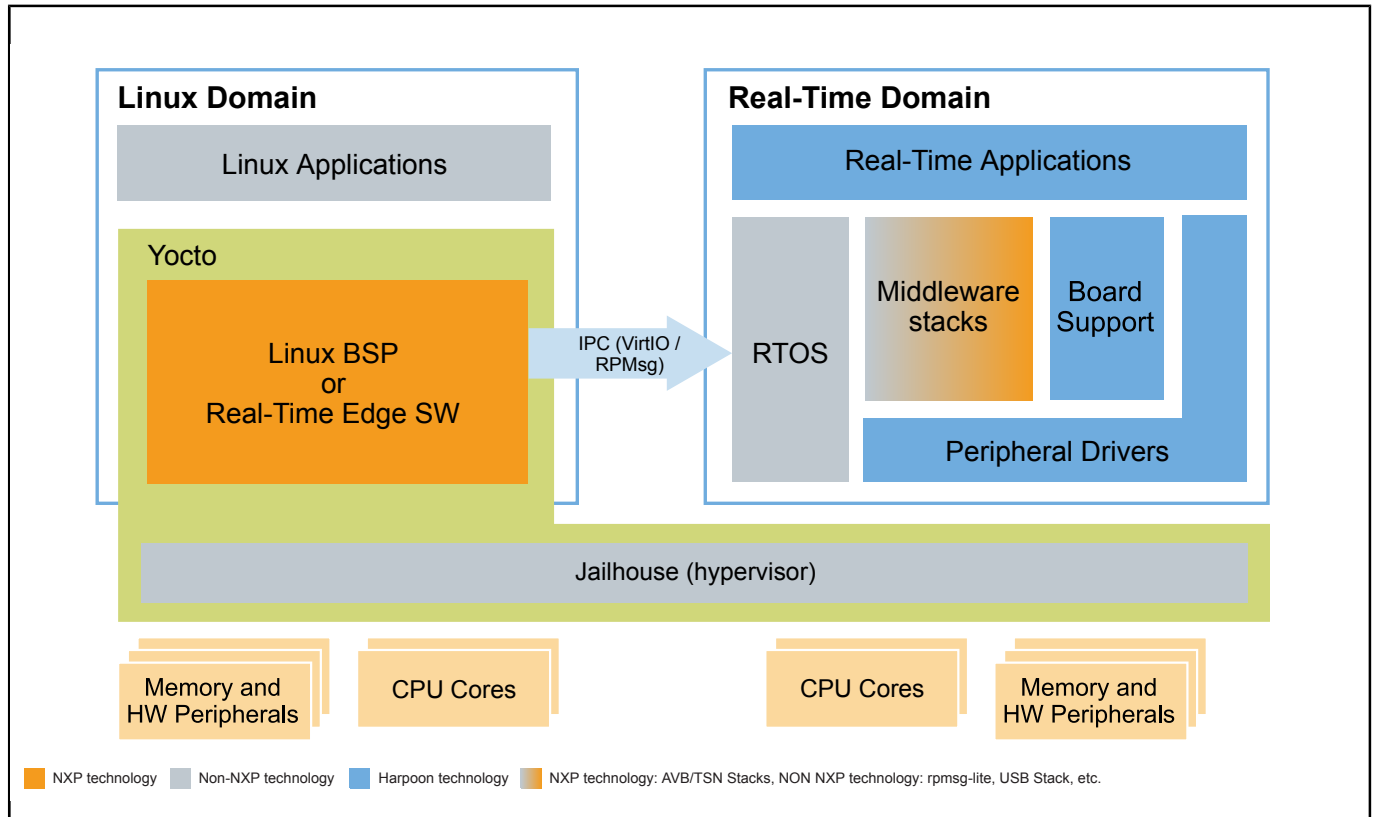
Last Updated: Jul 6, 2023

Harpoon是一种基础使能软件，可提供在高性能64位Arm® Cortex®-A内核上运行的隔离实时域。它使用Jailhouse管理程序对硬件资源进行分区，让实时域的RTOS（实时操作系统）与功能完善的Linux发行版并行运行，并尽可能降低对RTOS实时性能的干扰。

Harpoon支持FreeRTOS和Zephyr作为Jailhouse客户操作系统。与Cortex-M核相比，客户可以选择在更高性能的Cortex-A核（Armv8-A）上开发实时应用。

Harpoon适用于恩智浦应用处理器——i.MX 8M Mini、i.MX 8M Nano、i.MX 8M Plus和i.MX 93。Harpoon提供实时音频和工业应用参考示例，以及用于快速客户评估的实时延迟测量应用。

# Harpoon软件架构 Block Diagram



View additional information for [HARPOON \(Cortex-A上运行的实时操作系统\)](#).

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