AWS Libraries for S32K3

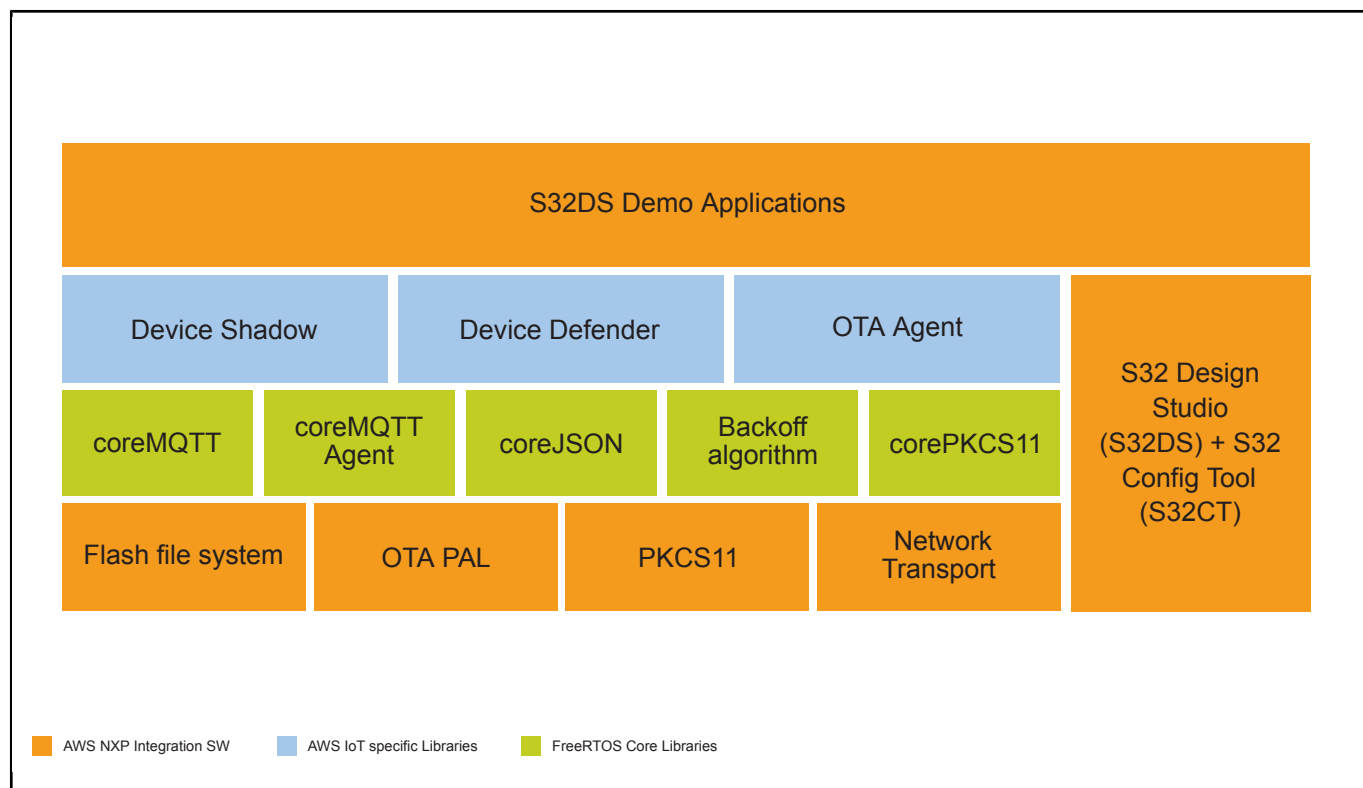## AWS-LIBRARIES-S32K3

Last Updated: Oct 10, 2023

AWS Libraries for S32K3 Automotive general-purpose MCU解决了汽车制造商在构建联网汽车应用时面临的连接和安全挑战。
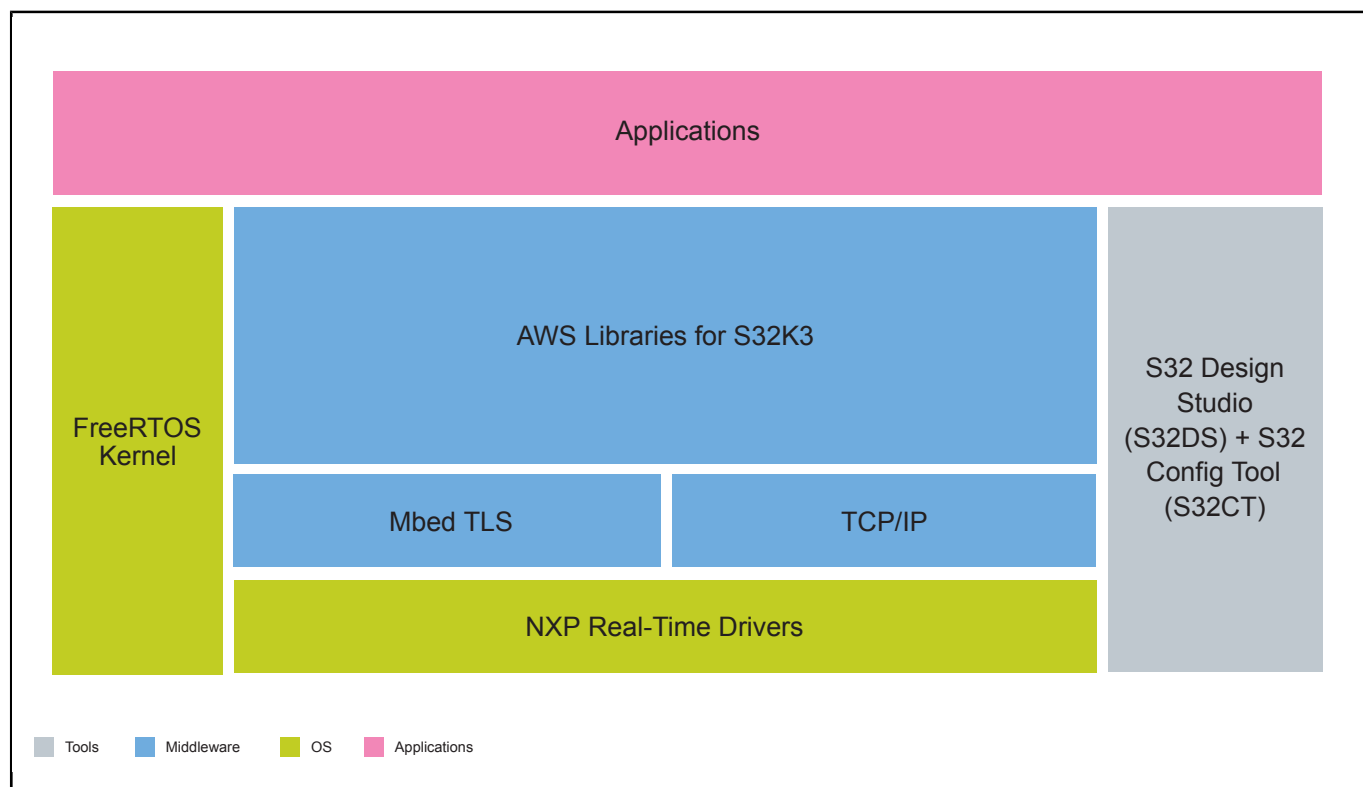
AWS Libraries for S32K3包含恩智浦的参考软件和FreeRTOS®库。

S32K3利用AWS IoT Core与AWS Cloud建立通信，传输车辆数据以进行处理和分析，并通过AWS云服务促进对数据的操作。S32K3不仅支持云连接，还具有无线（OTA）更新功能，能够解锁车辆数据的价值，并利用边缘到云服务。

用户指南

AWS库架构 Block Diagram

S32DS Demo Applications			
Device Shadow	Device Defender	OTA Agent	S32 Design Studio (S32DS) + S32 Config Tool (S32CT)
coreMQTT / coreMQTT Agent / coreJSON / Backoff algorithm / corePKCS11			
Flash file system / OTA PAL / PKCS11 / Network Transport			

- ■ AWS NXP Integration SW
- ■ AWS IoT specific Libraries
- ■ FreeRTOS Core Libraries

使用AWS的S32K3软件生态体系 Block Diagram

Applications		
FreeRTOS Kernel	AWS Libraries for S32K3	S32 Design Studio (S32DS) + S32 Config Tool (S32CT)
	Mbed TLS / TCP/IP	
	NXP Real-Time Drivers	

- ■ Tools
- ■ Middleware
- ■ OS
- ■ Applications

View additional information for AWS Libraries for S32K3.

Note: The information on this document is subject to change without notice.

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