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STM32Cube and Azure RTOS Overview

November 2020



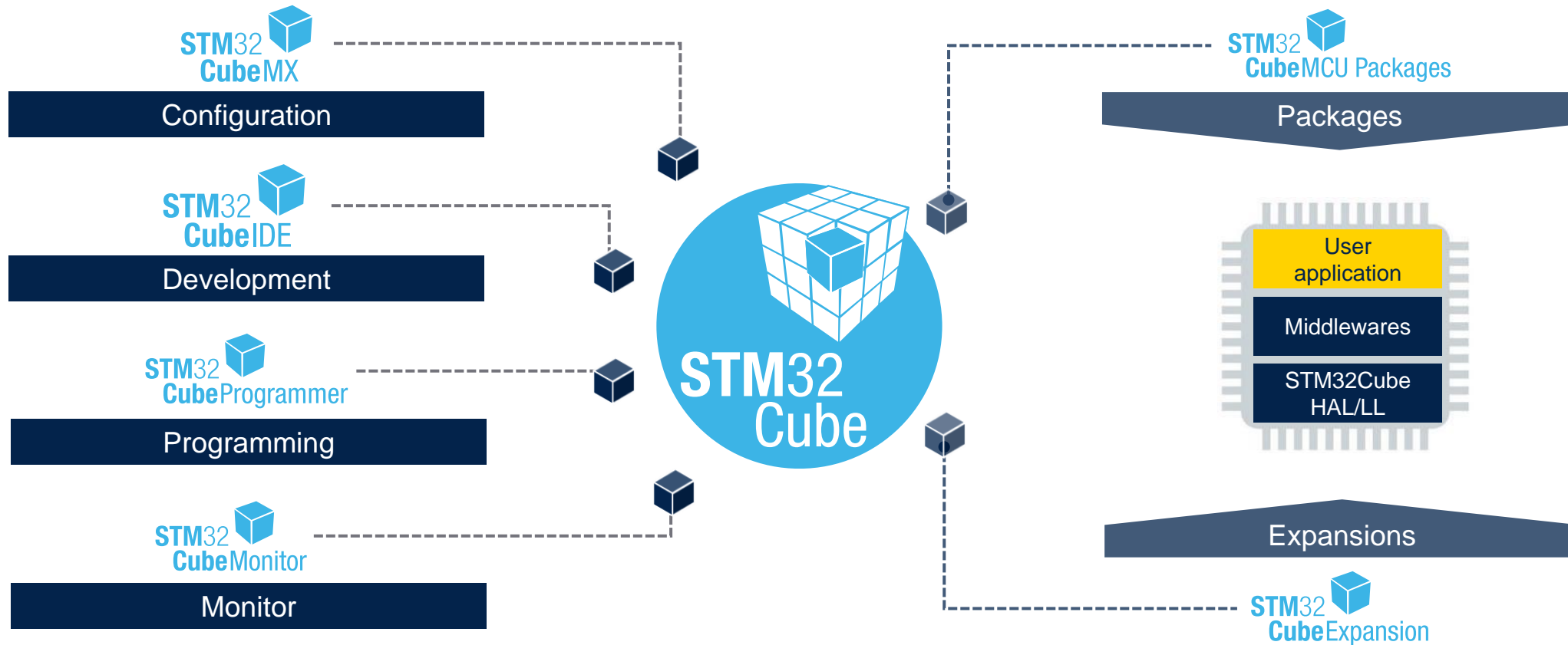


Today - STM32Cube Software Suite Offer

Software Tools



Embedded Software



ST proposal for STM32, since 2014



Ongoing - STM32Cube Software Suite

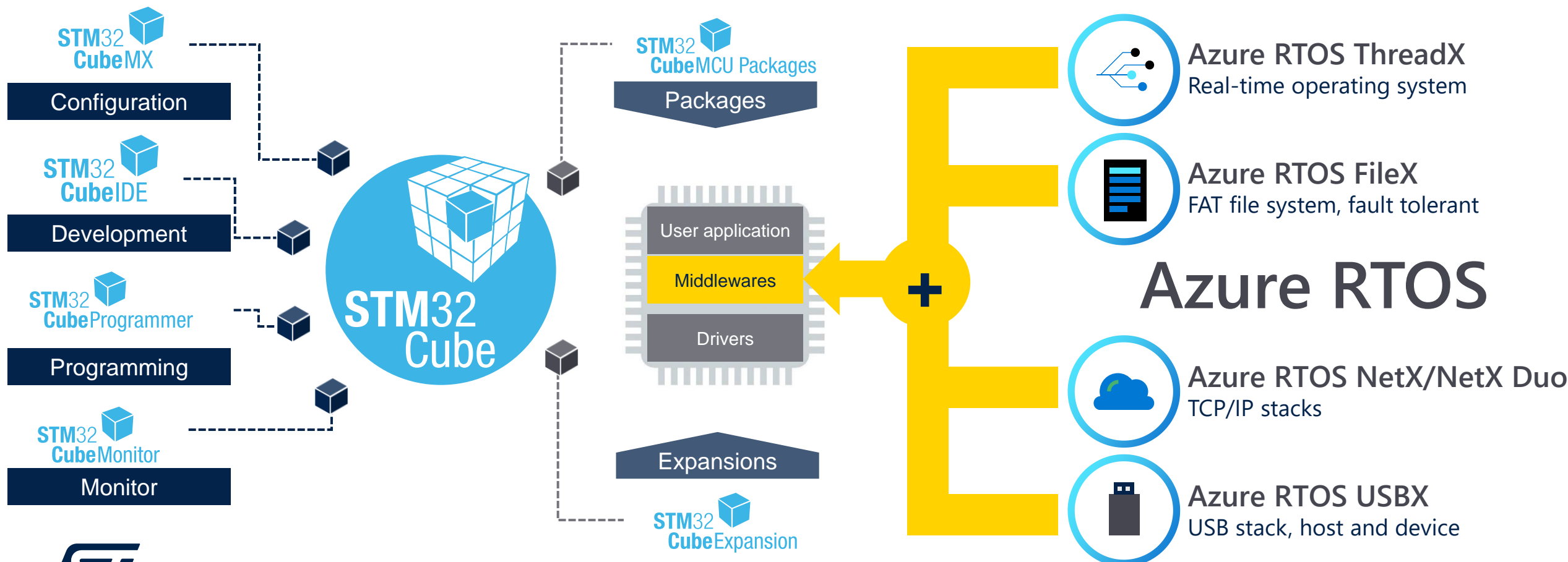
Software Tools



Embedded Software



Complemented with Microsoft Azure RTOS (2021)





Upcoming - STM32Cube Software Suite

Microsoft Azure RTOS bringing additional Key benefits to STM32Cube software Suite, from 2021



+ Azure RTOS

Faster & Easier Development

Business-friendly terms

Better Quality

Fast performance

+

Complete consistent solution

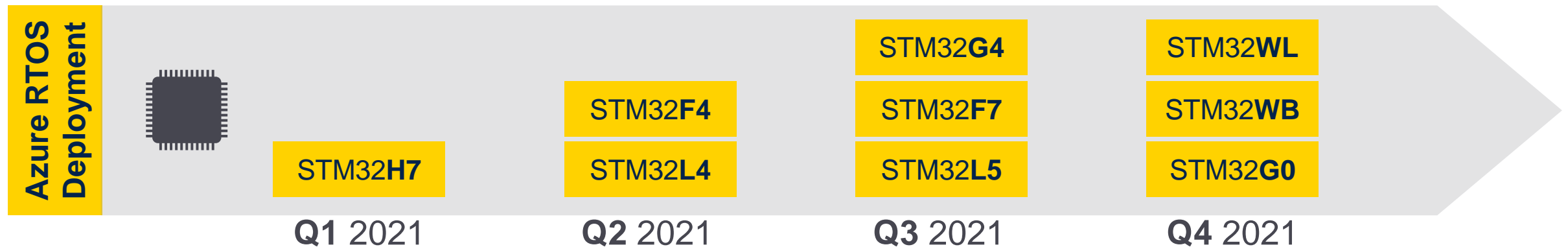
Industry certifications



Azure RTOS Deployment within STM32 and STM32Cube portfolio

Professional grade, highly reliable and market proven MW suite

- **Industrial grade** networking stack: optimized for performance coming with **many IoT protocols**
- Advanced FS/FTL: **fully featured** to support **NAND/NOR Flash** memories
- **USB Host** and **Device** stacks coming with **many classes**
- **Safety pre-certifications (from MSFT)**: IEC 61508 SIL4, IEC 62304 Class C and ISO 26262 ASIL D
- **Security pre-certifications (from MSFT)**: EAL4+ for TLS/DTLS, FIPS 140-2 for SW crypto lib
- **STM32 granted production license**: <https://github.com/azure-rtos/guix/blob/master/LICENSED-HARDWARE.txt>



Thank you

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