VxWorks

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Automatisch generierte BeschreibungVxWorks is free Realtime operating system, it is often used in the industrial zone, for example in the ASIMO-Robot.

NASA, Boeing used this OS a lot. The most of all Spacecrafts are working with VxWorks.

Here is a snapshot of the VxWorks 7.x Bootup-Screen

One of the pros is that, this OS is able to run every device, because of his really

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Automatisch generierte Beschreibunggood resource management.

And the OS supports the ARM- , Intel- and the Power-Architecture.

VxWorks has been ported to a number of platforms and now runs on practically any modern CPU that is used in the embedded market. This includes the [Intel x86](https://en.wikipedia.org/wiki/Intel_x86) family (including the [Intel Quark](https://en.wikipedia.org/wiki/Intel_Quark) SoC), [MIPS](https://en.wikipedia.org/wiki/MIPS_architecture), [PowerPC](https://en.wikipedia.org/wiki/PowerPC), [Freescale ColdFire](https://en.wikipedia.org/wiki/Freescale_ColdFire), [Intel i960](https://en.wikipedia.org/wiki/Intel_i960), [SPARC](https://en.wikipedia.org/wiki/SPARC), [Fujitsu FR-V](https://en.wikipedia.org/wiki/FR-V), [SH-4](https://en.wikipedia.org/wiki/SuperH) and the closely related family of [ARM](https://en.wikipedia.org/wiki/ARM_architecture), [StrongARM](https://en.wikipedia.org/wiki/StrongARM" \o "StrongARM) and [xScale](https://en.wikipedia.org/wiki/XScale" \o "XScale) CPUs.[[2]](https://en.wikipedia.org/wiki/VxWorks#cite_note-HW-2) VxWorks provides a standard [board support package](https://en.wikipedia.org/wiki/Board_support_package) (BSP) interface between all its supported hardware and the OS. Wind River's BSP developer kit provides a common [application programming interface](https://en.wikipedia.org/wiki/Application_programming_interface) (API) and a stable environment for real-time operating system development. VxWorks is supported by popular [SSL/TLS](https://en.wikipedia.org/wiki/Transport_Layer_Security) libraries such as [wolfSSL](https://en.wikipedia.org/wiki/WolfSSL).