

COST-EFFECTIVE CUSTOMIZATION WITH YOCTO

By DornerWorks



Highly specialized hardware and software configurations shouldn't be held back by costly or inefficient multi-OS systems. In other words, an operating system ought to do just that—enable project managers to operate their system, not just efficiently, but without draining their development budget.

An open source Linux deployment using Yocto makes all of this possible.

Along with being highly customizable to virtually any hardware profile—the same Linux build can run on a number of different processor architectures—those Linux distributions are open source, which means you own the system, free of vendor lock.

It is possible to *build a custom OS that supports your full technology stack*, and Dornerworks can help you build it.

yocto .
PROJECT

Clear the fog of new technology

Pulling in repositories from across the web, Yocto-based Linux deployments can invite a host of frustrations. *Even the slightest error* can break the system, and with all the various versions, it can be confusing to know where to start.

We understand, and we've been creating **portable Linux distributions** for years, validating them on a client's target hardware before the images are sent over to **plug and play**. We guided Dexter Laundry to a system built with Yocto for their IoT-connected industrial machines, and with the extra customization it's brought the company, they've been able to easily scale it across product lines.



Customization with the future in mind

After an initial consultation on your needs and specialized configuration, DornerWorks will:

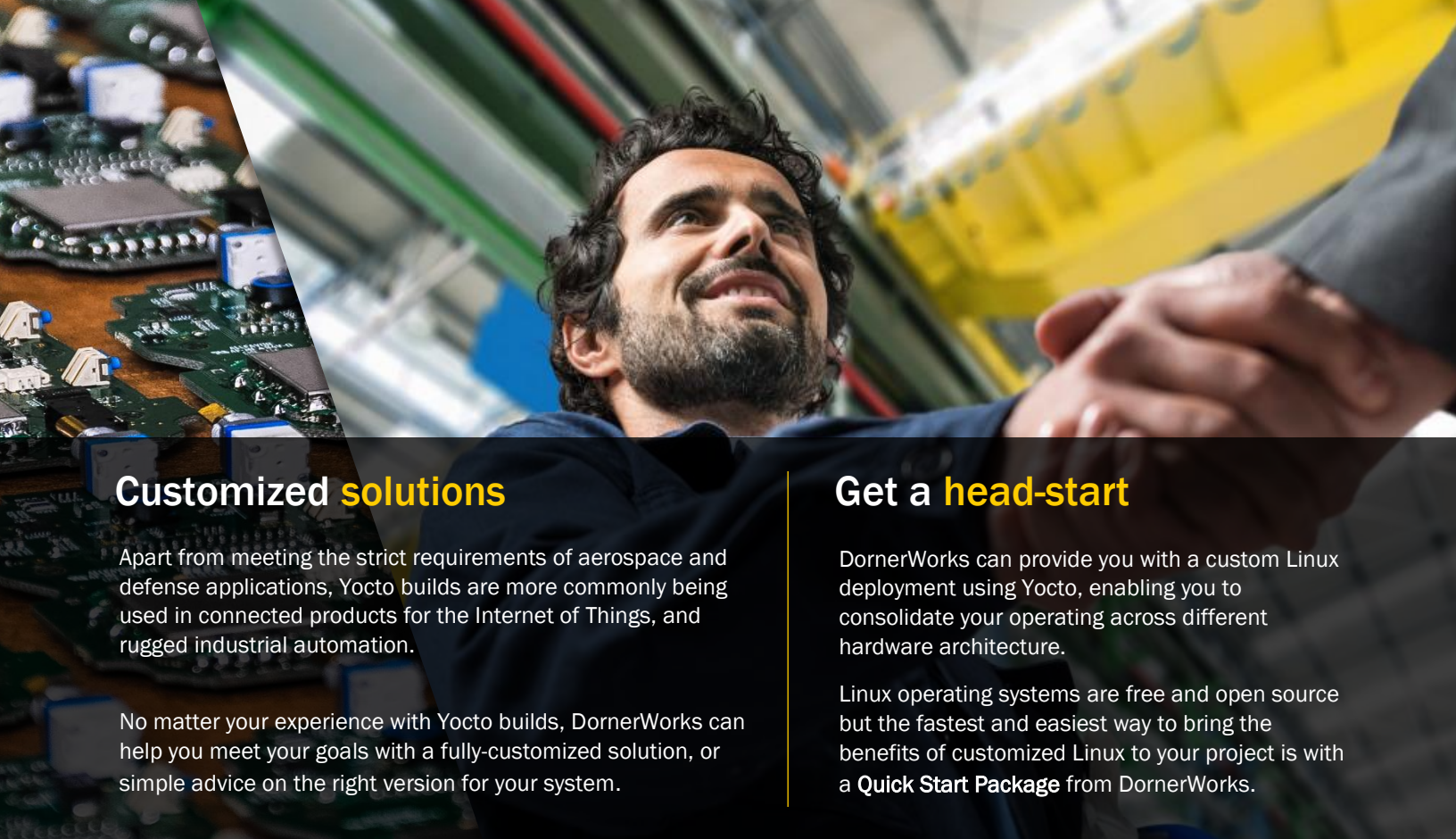
- Explore the best Yocto versions for your system
- Build a custom image fit to your target hardware
- Create custom device trees
- Create a custom RootFS
- Flash the build to your system and test it
- Leave you with the documentation and training to maintain your OS



Start developing
your project
with us!



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Customized solutions

Apart from meeting the strict requirements of aerospace and defense applications, Yocto builds are more commonly being used in connected products for the Internet of Things, and rugged industrial automation.

No matter your experience with Yocto builds, DornerWorks can help you meet your goals with a fully-customized solution, or simple advice on the right version for your system.

Get a head-start

DornerWorks can provide you with a custom Linux deployment using Yocto, enabling you to consolidate your operating across different hardware architecture.

Linux operating systems are free and open source but the fastest and easiest way to bring the benefits of customized Linux to your project is with a **Quick Start Package** from DornerWorks.

Proven expertise, on your side

There are many options available when it comes to processors, and we have experience porting open source Linux deployments using Yocto to some of the most popular.

Whether you're reliant on ARMv7, ARMv8, PowerPC, or NXP's QorIQ series, DornerWorks can help you find the custom solution that's right for your system. And, as an NXP Approved Engineering Consultant, we can offer exclusive support services to help you keep your project running smoothly.



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Get started today!

Our simple 3-step plan will determine a technology development course of action that best fits your needs.



Start

Develop



Deliver

