



We help you  
turn your ideas  
into **reality**

## Virtuosity™ Shared I/O Drivers

Launch Your Next Project With  
These **Indispensable** Tools

Virtuosity™, based on the Xen hypervisor, offers the virtualization and isolation services your platform requires, you can still customize this versatile solution with add-on features like *Virtual GPIO* and *Ethernet drivers*.

NXP, Xilinx, and others endorse our software and firmware engineering team. We can help yours get to the finish line and collaborate on a cohesive solution.



### Virtual Ethernet

Share your ethernet device between multiple guests.



### Virtual GPIO

Consolidate multiple applications that use GPIO pins but keep them logically separate.

Software and firmware  
development trusted by:



### Let's Talk

Together, we will determine a customized solution that fits your needs.



### Buy a Quick Start Package

A Quick Start Package includes all the essentials to get your project off the ground

## CONTACT US

Start your project today!

[www.DornerWorks.com](http://www.DornerWorks.com)

[sales@DornerWorks.com](mailto:sales@DornerWorks.com)

616.245.8369

## Customize Your Solution

The Xilinx Zynq UltraScale+ MPSoC integrates a 64-bit quad-core ARM Cortex-A53 and dual-core ARM Cortex-R5 processing system with Xilinx programmable logic in a single device.

Along with everything you need to run a virtualized Xen hypervisor on the emulated MPSoC, DornerWorks provides a number of add-ons that will help you customize and enhance your next Virtuosity™-based project.



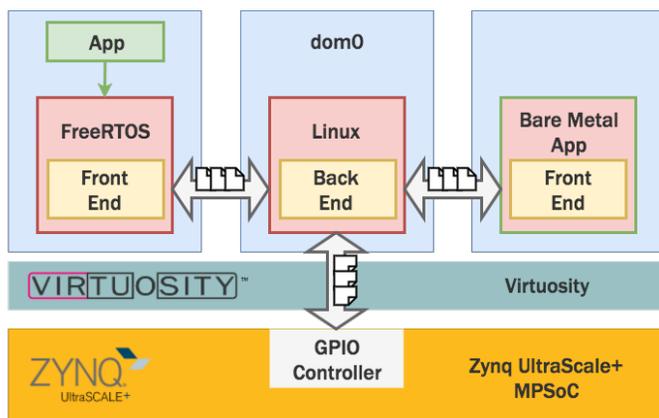
### Virtual Ethernet

Not enough GEMs on your ZUS+? Don't want to use Linux for your guest?

DornerWorks' virtual Ethernet drivers let you share your Ethernet device between multiple guests.

#### This package includes

- Driver source code
- Step-by-step instructions detailing how to integrate the driver code with popular, non-Linux operating systems and application frameworks
- 20 hours of technical support for integration assistance



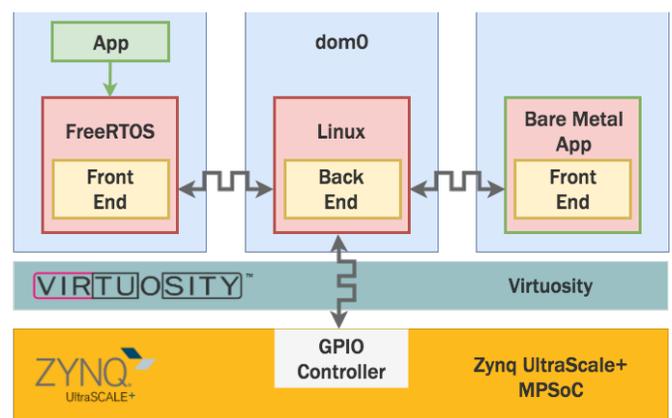
### Virtual GPIO

Consolidating multiple applications that use GPIO pins but want to keep them logically separate?

DornerWorks' virtual GPIO drivers allow you to drive I/O pins from different Virtuosity guests simultaneously. This solution also allows interrupts raised by signal changes on GPIO pins to be passed to different guests.

#### This package includes

- Driver source code
- Step-by-step instructions detailing how to integrate the driver code with popular, non-Linux operating systems and application frameworks
- 20 hours of technical support



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