1 OCTEONTX Board Support Package
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The following are platform specific guides and setup information.
This doc has information about steps to setup octeontx platform and information about common offload hw block drivers of Cavium OCTEONTX SoC family.

More information about SoC can be found at Cavium, Inc Official Website.

1.1 Common Offload HW Block Drivers

1. Eventdev Driver See ../eventdevs/octeontx for octeontx ssovfl eventdev driver information.


1.2 Steps To Setup Platform

There are three main pre-prerequisites for setting up Platform drivers on OCTEONTX compatible board:

1. OCTEONTX Linux kernel PF driver for Network acceleration HW blocks
   The OCTEONTX Linux kernel drivers (includes the required PF driver for the Platform drivers) are available on Github at octeontx-kmod along with build, install and dpdk usage instructions.

2. ARM64 Tool Chain
   For example, the aarch64 Linaro Toolchain, which can be obtained from here.

3. Rootfile system
   Any aarch64 supporting filesystem can be used. For example, Ubuntu 15.10 (Wily) or 16.04 LTS (Xenial) userland which can be obtained from http://cdimage.ubuntu.com/ubuntu-base/releases/16.04/release/ubuntu-base-16.04.1-base-arm64.tar.gz.

   As an alternative method, Platform drivers can also be executed using images provided as part of SDK from Cavium. The SDK includes all the above prerequisites necessary to bring up a OCTEONTX board.

   SDK and related information can be obtained from: Cavium support site.

   • Follow the DPDK ../linux_gsg/index to setup the basic DPDK environment.