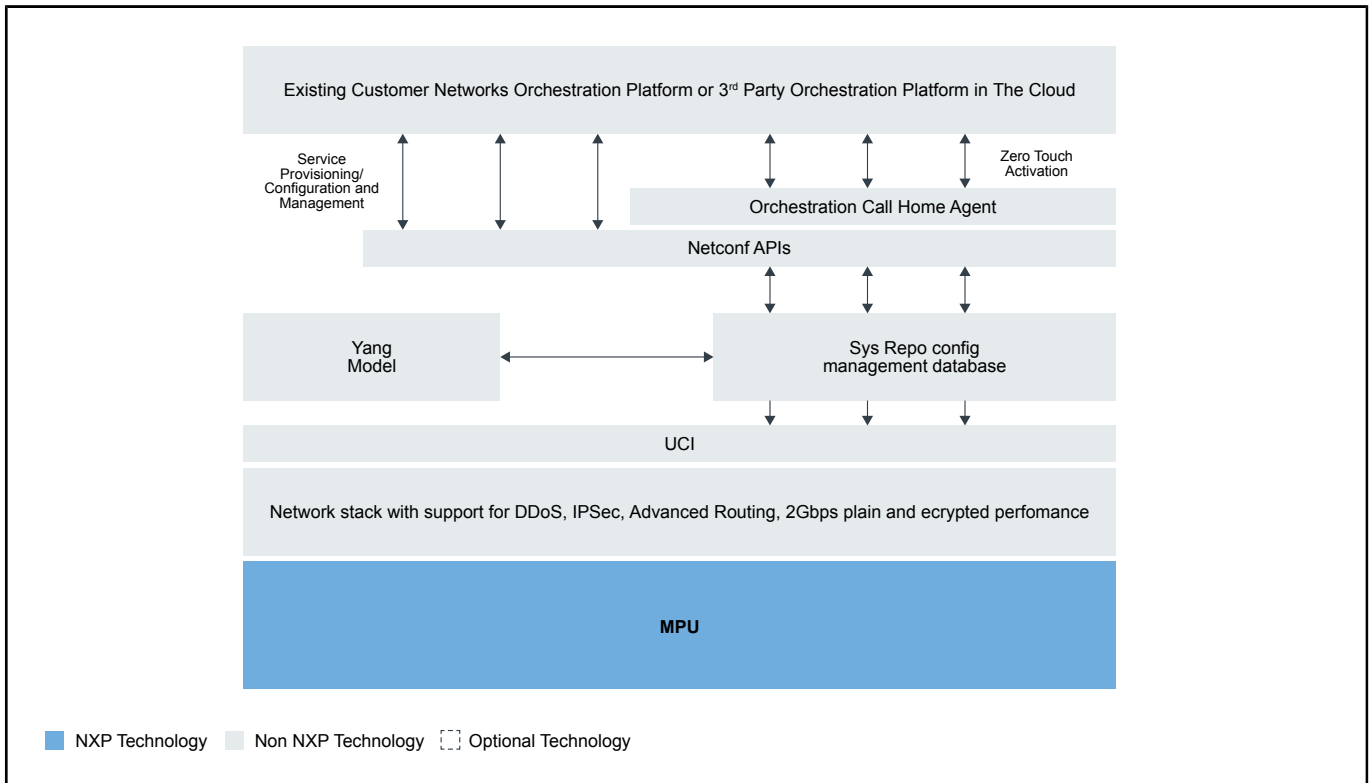# Enterprise WAN

Last Updated: Nov 12, 2021

Routers have been how companies connected sites to each other and the internet. Enterprises and the providers that service them are now employing software for routing, WAN optimization, firewall, and LAN functions, typically in a chain of virtual network functions (VNF) or containerized cloud-native network funtions (CNF) and managed via the cloud using SD-WAN software. Layerscape processors provide the standard Arm CPUs required for the virtual and universal CPE hardware (vCPE, uCPE) running this new software and the acceleration that enables differentiation.
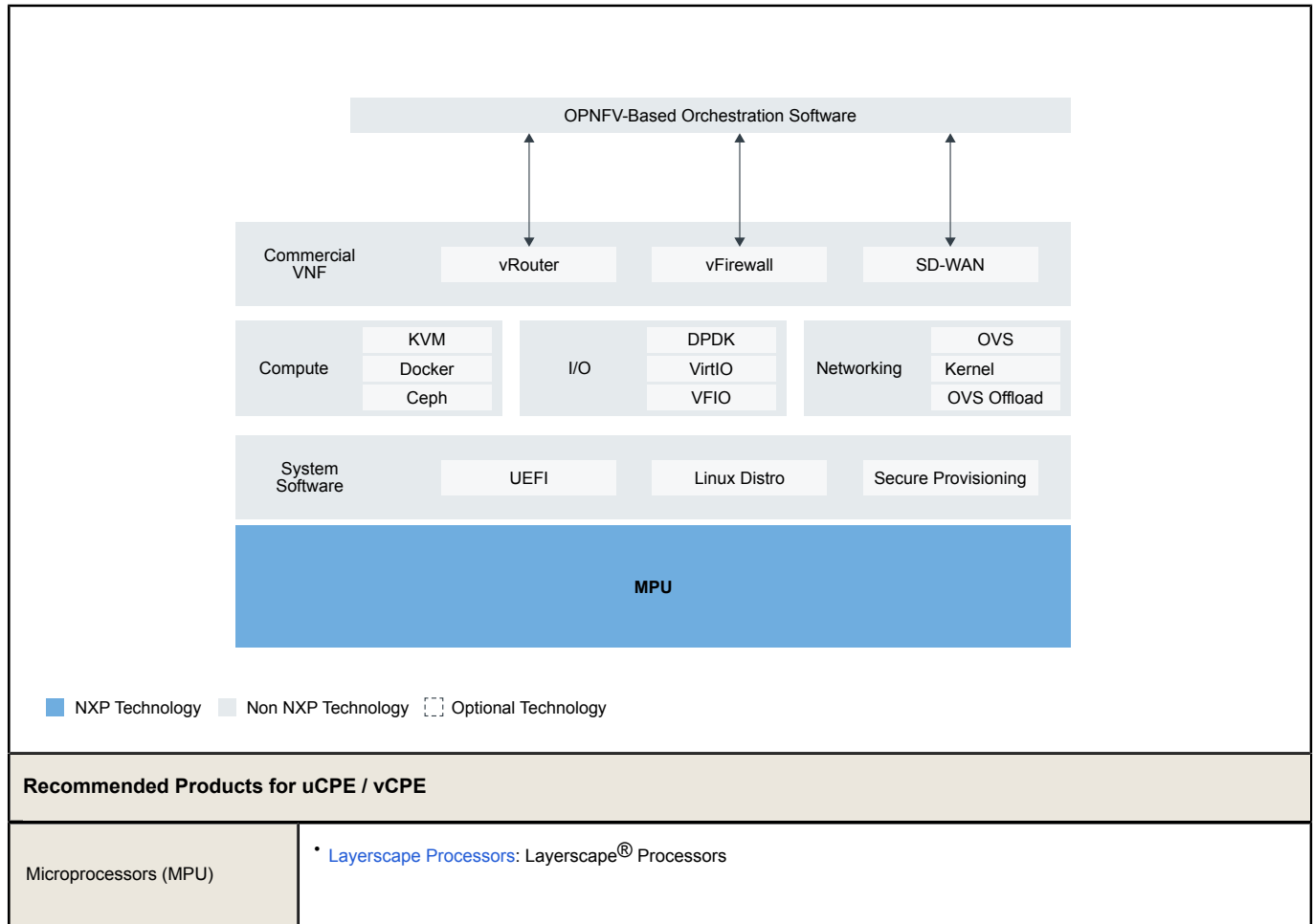
SDWAN / Thin CPE Block Diagram

Recommended Products for SDWAN / Thin CPE	
Microprocessors (MPU)	• Layerscape Processors: Layerscape® Processors

uCPE / vCPE Block Diagram

	OPNFV-Based Orchestration Software		

Commercial VNF	vRouter	vFirewall	SD-WAN

Compute	KVM	I/O	DPDK	Networking	OVS
	Docker		VirtIO		Kernel
	Ceph		VFIO		OVS Offload

System Software	UEFI	Linux Distro	Secure Provisioning

MPU

■ NXP Technology ■ Non NXP Technology ⬚ Optional Technology

Recommended Products for uCPE / vCPE

Microprocessors (MPU)	• Layerscape Processors: Layerscape® Processors

View our complete solution for Enterprise WAN.

Note: The information on this document is subject to change without notice.