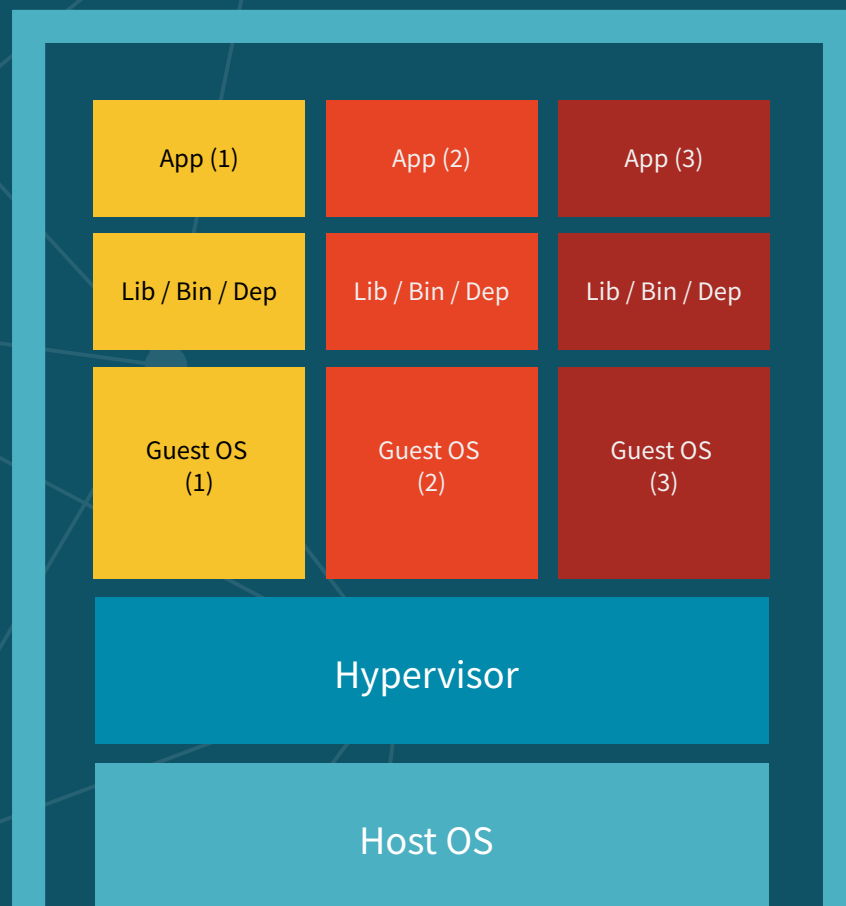


Give NetOps a Break with Application Hosting & Guest OS



Still juggling a physical stack?

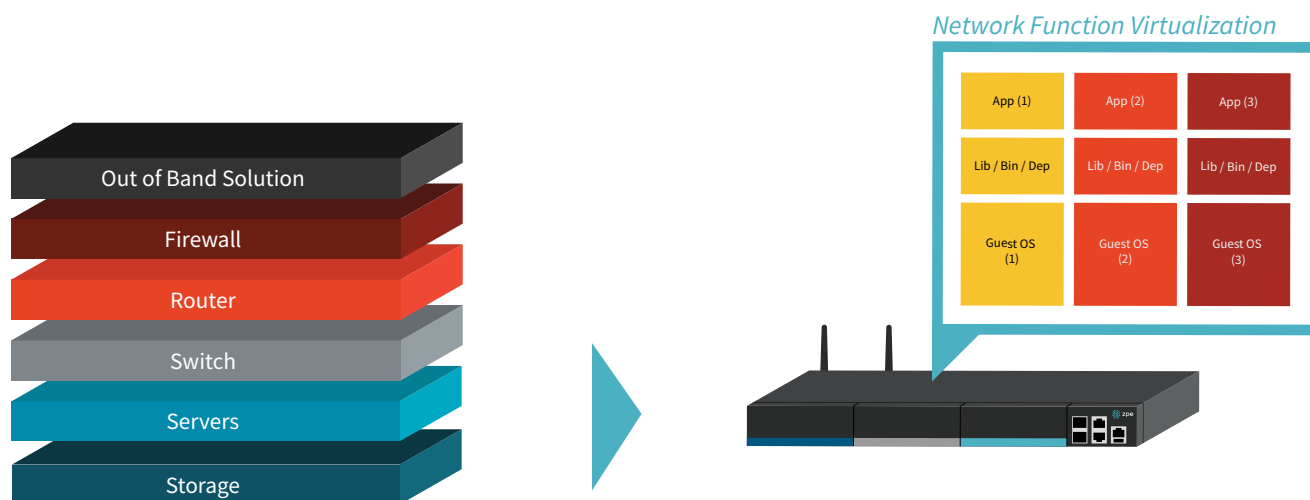
If you're not taking advantage of application hosting and guest OS, managing your network is tedious. When you need to install, update, or troubleshoot, you need to wade through stacks of hardware and software. It takes a lot of time and money, and keeps NetOps teams away from more critical tasks.

- Installing local applications can take days
- Managing localized hardware & software means more on-site support
- Having a physical edge environment is inconsistent, insecure, & unreliable

What if you could put it all in a neat little package?

With application hosting and guest OS, you can virtualize more of your environment for a streamlined network. These use a SaaS model to help you deliver applications wherever you need them, while NetOps teams benefit from easy management.

- Distribute applications globally and on demand
- Virtualize your solutions for a smaller stack & remote control
- Get a nimble edge network that's up to date, safe, & always ready



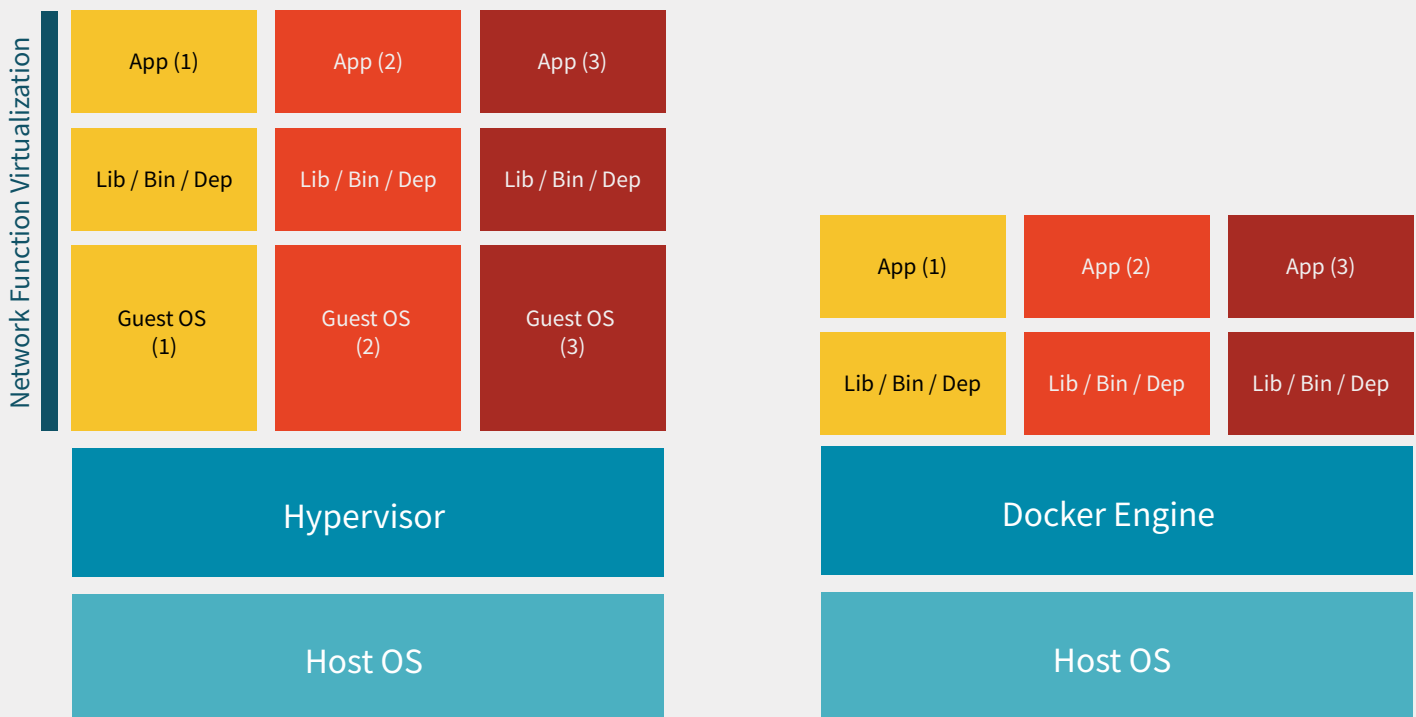
Overview

What is application hosting?

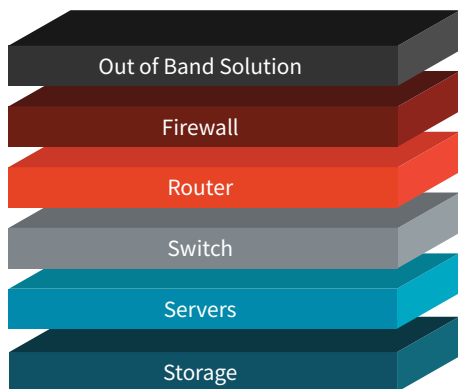
Hosting your applications means putting them in a cloud environment. This allows you to distribute them globally where and when you need them, instead of having to install & manage them locally on each device.

What is Guest OS?

Guest OS is critical to application hosting. It is the software that runs on your environment's virtual machines (VMs). This software determines which applications can be installed and run on your network.



How do they make networking better?

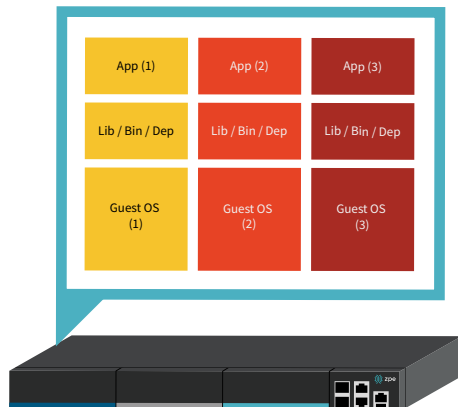


The old way...

- Installing local applications can take days
- Managing localized hardware & software means more on-site support
- Having a physical edge environment is inconsistent, insecure, & unreliable

When you don't take advantage of application hosting & guest OS, you're forced to juggle your network's solutions. At each location, you need to deploy physical hardware, set up the appropriate software, and install your applications on every device. This takes time and pulls away critical resources, not to mention leaves you open to having many issues at the edge.

Network Function Virtualization



With application hosting and Guest OS

- Consolidate your stack with virtualized solutions
- Run & distribute applications regardless of OS requirements
- Give NetOps the ability to remotely manage your network

Application hosting & guest OS give you the freedom to set up your network environment exactly how you need it. You no longer need to deploy so many devices with specific operating systems, and can instead distribute applications from your server. Your NetOps teams can manage SD-WAN, firewall, cybersecurity, & other solutions — no matter how far away they are from the physical location.

Does Nodegrid improve application hosting and Guest OS?

Absolutely.

ZPE Systems' all-in-one Nodegrid Services Router (NSR) can directly host third-party applications, custom applications, and guest OS. This gives you better control of both layers while saving space and power consumption.

With the Nodegrid Services Router:

- You don't need to separately maintain network ports & IP addresses. Just host them in the NSR!
- You can speed up response times with access to applications and guest OS.
- If an outage occurs, you get safe out-of-band management via reliable cellular failover.



NSR Addresses Modern Infrastructure Challenges

Modern network infrastructure needs to be versatile to keep up with the growth of the industry. Scalability, more than ever is at the center of business needs. Is your infrastructure scalable? Enterprises face challenges in their cloud transformation because traditional networks were not built for the Cloud. Networking teams typically spend a long time during evaluation, especially when numerous appliances are required (for Networking, OOB, Failover, Firewall, IPSEC...). Deploying multiple appliances, setting consistent configuration and adding network functions on new branches is time consuming. NSR addresses all these needs.

Out of Band Management
Networking
Secure Access Service Edge (SASE)
Guest OS / NFV / VNFs
DevOps & Converged Infrastructure
Edge Networking
Docker / Kubernetes Compatible

Use Cases

On-the-go savings for oil & gas

One of the world's leading providers of oil and gas needed a compact solution at their remote sites. Their requirement for high availability meant that before Nodegrid, they were using six physical devices in each of their tiny NOCs. With ZPE Systems, the company reduced their stack to only two NSRs at each site, which hosted critical applications from SD-WAN to security and IoT monitoring. The compact Nodegrid solution meant savings on energy, space, and support costs.

Omnipresent control for digital security

A large digital security enterprise couldn't handle their ever-growing network complexities. At branch locations and the farthest edges of their reach, their stack was more than cumbersome, with many vendor-specific hardware and software solutions to manage. They chose Nodegrid to simplify their infrastructure and give them more in-depth control at the edge. They replaced many physical devices, hosted robust next-gen firewalls, and gained a secure out-of-band path — all with the NSR!

kicking things off for e-commerce

A multi-billion-dollar online retailer required capabilities to support their own tools and utilities. Because Nodegrid supports automation and can host custom applications, the company chose the NSR to deploy critical locations. Not only was the NSR capable of running their in-house applications, but it also automatically pushed configurations to other devices and assisted with the entire set up of each site.