

## **NFV and ISPs**

Network Function Virtualization (NFV) is a paradigm shift in the Communication Service Provider (CSP) world. At its simplest, NFV is about taking network functions performed in special purpose physical devices and virtualizing them. At its most complex, NFV becomes an umbrella term and consists of several layers, from Infrastructure as a Service (the NFVi in NFV parlance), Software Defined Networking and the “softwareization” of the network, high level automation and orchestration, and onboarding of Virtual Network Functions (VNF).

Many consider NFV to be a telecommunications only technology, but that is not the case. Any network function can benefit from the work that is occurring in the NFV area, from route reflectors to SD-WAN, from security functions to caches, and more.

CSPs are investing billions of dollars into NFV and related technologies and the innovation and operationalization of these technologies is being made available outside of telecommunications.

In this presentation we will discuss how NFV technologies and patterns can be applied in the context of an ISP.