



Enabling Network Function Virtualisation(NFV) Capabilities for OEM

Our Client

A telecommunications equipment vendor who provide network equipment for data, storage, voice and video services.

Why they needed us

Though they were an equipment vendor, in order to keep up with the technology changes, they were looking to adopt Network Function Virtualisation (NFV) to offer network functions as Virtual Network Functions (VNFs) instead of a dedicated hardware.

What we did

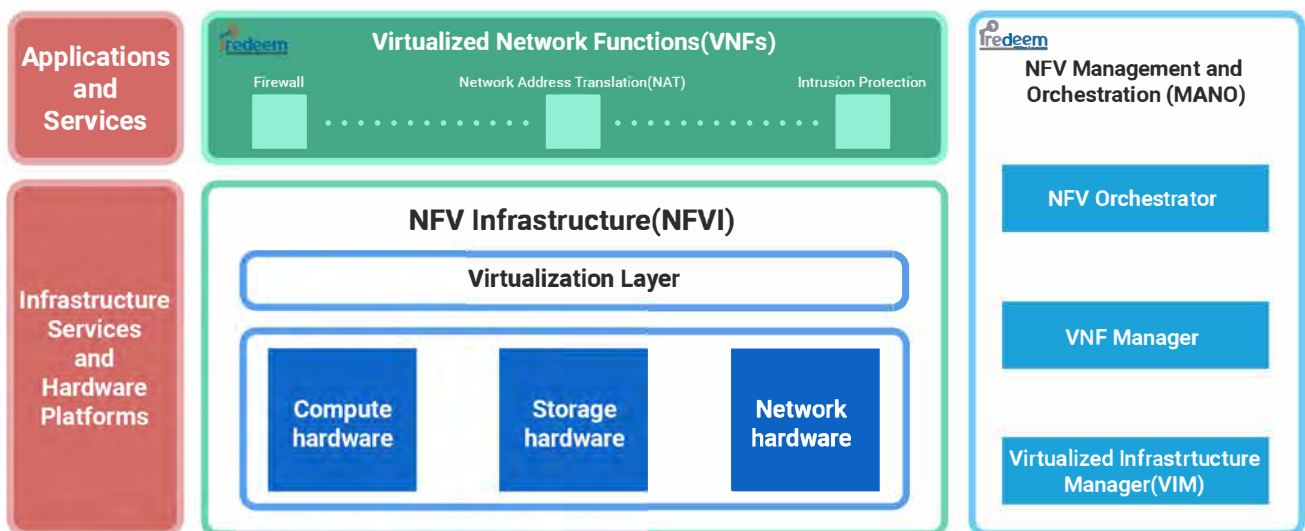
We built Virtual Network Functions (VNFs) and NFV management and organization (MANO) architecture, which consisted of NFV Orchestrator, VNF Manager and Virtualized Infrastructure Manager (VIM).

The NFV orchestrator helps in Network Services (NS) lifecycle management, global resource management, validation and authorization of Network Functions Virtualization Infrastructure (NFVI) resource requests and on-boarding of new network services (NS) and virtual network function (VNF) packages.

The VNF Manager oversees lifecycle management of VNF instances; coordination and adaptation role for configuration and event reporting between NFVI and E/NMS.

Virtualized Infrastructure Manager (VIM) controls and manages the NFVI compute, storage, and network resources.

Some of the VNFs we built ran on the customer premise equipment and some ran on the cloud.



We implemented Network Service Chaining (NSC) or Service Function Chaining (SFC). This provided our client with software-defined networking (SDN) capabilities to create a service chain of connected virtualised network services such as firewall, Network Address Translation (NAT), intrusion protection. This helped our client to set up suites or catalogues of connected services with different characteristics that were usable through a single network connection.

How they benefited

Our client now had a reduced time-to-market for deployment of new network services.

The Return on Investment for new services increased.

Our client now had a greater flexibility to scale up, scale down or evolve services.

Our client now had a lower risk in trying out and introducing innovative solutions.

About Redeem Systems

Redeem Systems is a pure-play Engineering and Digital Services Company with focus on mission critical highly engineered + high availability systems. Our global presence spans Asia-Pacific, Middle-east, Europe and North-America.

Our focus verticals include – Tele-communications, Medical Electronics and Aerospace & Strategic Electronics.

Our Product Engineering competencies include Product Design and Development, Verification & Validation, Emerging Markets Strategy and Product Life-Cycle Extension through Value Analysis and Value Engineering

Our Digital competencies are focused on Industrial Internet-of-Things (IIoT), Engineering Big Data Analytics and Software Defined Networking (SDN)/ Network Functions Virtualization (NFV).