Professional Services for Telco Cloud Infrastructure

Build Common Infrastructure

At a glance

Leverage our expertise to design, implement, and fine tune your telco infrastructure.

Key benefits

- Design your virtual infrastructure environment to ensure it is ready for 5G and the future.

- Deploy all required infrastructure components to deliver the compute, storage, networking, and operations capability for a scalable consistent infrastructure

- Implement networking elements, coupled with your preferred VIM, OpenStack or VMware Cloud Director.

- Deploy multi-vendor VNFs on consistent horizontal infrastructure

- Create a flexible infrastructure deployment to evolve from IaaS to CaaS

VMware Telco Cloud Infrastructure (TCI) is a fully integrated, modular, infrastructure solution powered by compute, storage, networking, management, and operations products. Our VMware Professional Services can help define the goals, service architecture, and components of your new network, and can help you adopt the processes and technology needed to deliver innovation at scale.

Simplify Network Operations - Our Professional Services team takes a full lifecycle approach to designing, deploying and tuning your NFV environment.

Accelerated Performance & Scale - Design an architect for optimum application throughput, response times, scale, and service continuity using resource guarantee, monitoring, and closed loop remediation**.**

Cloud-First Secure Telco Network - Deliver your applications and services, when and where needed with consistent connectivity and integrated security.

Intent-Based Service Assurance - Implement continuous performance optimization based on business and operational intent.

Services overview

VMware Professional Services offer services to design and deploy the infrastructure and operations components of this field proven NFV infrastructure.

Service	Description
Design for network function virtualization	The TCI Design (for VMware Cloud Director or VMware Integrate OpenStack) Service delivers an architectural design for the NFV solution.
Deploy Telco Cloud Infrastructure configuration	This service provides for the configuration of the deployed Telco Cloud Infrastructure, based on prescribed design and recommended practices.

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Deploy VMware Cloud Director for multi-tenant cloud service delivery	Deployment of Cloud Director for deployment, automation, and management of virtual infrastructure resources in multi-tenant cloud environments. Includes configuration of the basic components required for the first tenant.
Deploy VMware Integrated OpenStack for open-API infrastructure	Interoperability between Integrated OpenStack and NSX-T to provide layer 3 networking, micro-segmentation at the pod level and for ingress resources.
Leverage TCI to deploy and onboard VNFs	The VNF deployment/onboarding service assists network operators with configuring the vCloud NFV platform in order to deploy their VNFs
Leverage TCI to design VNF onboarding	The VNF Onboarding Design service assists network operators with designing the vCloud NFV platform to help deploy their VNFs.

In addition, VMware Professional Services offers customized services as needed to ensure a smooth transition to a CNF-based environment, including further design and integration for your specific CNF environment.

Benefits

VMware Professional Services has the experience, best-practices knowledge, and proven methodologies to make your transition to software-defined networks smooth and effective. Our broad expertise and deep knowledge of VMware technology can help reduce risk and complexity. Our holistic approach helps you minimize business disruption, and our proven methodology ensures predictable outcomes that maximize productivity during periods of technological change. Our services can enable you to achieve the following:

- Optimize resource utilization by efficiently distributing network services
- Make changes to virtual networks in minutes rather than days or weeks
- Achieve greater operational efficiency by automating manual change processes
- Place and move workloads independently of physical topology
- Enable every workload to have its own security policies and firewalls
- Extend network security across sites and clouds with consistent security policies and operations