

Ensemble virtualization solution

Ensemble Orchestrator

Open NFV service orchestration

Benefits

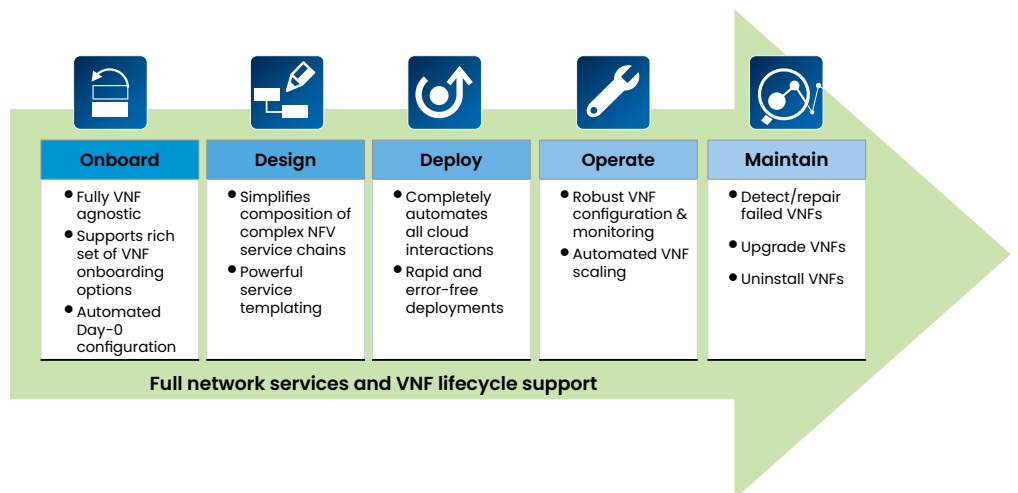
- **Full lifecycle management of virtual services**
From VNF onboarding, through service creation and operations, to the tear down of services and resource reclamation
- **Carrier-class orchestration**
Lifecycle processes extensible and adaptable to the service provider's operational processes
- **Support for any virtual function or user app**
Instantiating arbitrary combinations of VNFs from third-party software vendors
- **Service recovery**
Purpose-built recovery feature that helps to restore services from hardware failure or data corruption
- **Live service edits**
Make changes to existing services without rip-and-replace
- **Open architecture and APIs**
Open application programming interfaces (APIs) enable lightweight integration into higher order systems
- **Highly scalable and reliable**
Horizontally scalable, resilient, cloud-hosted application hosted on local servers, public cloud or using SaaS model. Live service edits

Overview

Do you want to design, deploy and assure services using virtualized infrastructure?

That means onboarding any virtual network function (VNF), deploying services by changing one or more network function at the edge of the network, and designing and activating end-to-end workflows that meet your model. Then you need our Ensemble Orchestrator.

Service providers are tired of deploying hardware appliances that require separate truck rolls for each function and lock them into vendor-specific implementations. Their customers want faster installations and updates, with a more flexible choice of solutions tailored to their needs. If you're looking for a common way to deploy virtualized network functions in any location and on any hardware, our Ensemble Orchestrator is the solution for you.



ENSEMBLE ORCHESTRATOR

Ensemble Orchestrator overview

Flexible orchestration for all your clouds

- Compatibility with community-based OpenStack APIs across multiple vendors
- Common practice across data center, central office and customer-premises clouds
- Dynamic and continuous monitoring of cloud resources

Large VNF ecosystem

- Ecosystem brings partnership and pre-testing with dozens of VNFs and vendors
- Rich on-boarding features allow new VNF types to be added in deployment
- Support for highly available VNFs and complex multi-VM composites

VNF management features

- Network service templates that make it easy to automate service chain creation and updates
- VNFM initializations to automate VNF licensing
- Open APIs for support of third-party VNF managers

Powerful management and orchestration (MANO)

- Native multi-tenancy model and resource tracking with per-tenant quotas
- Failure remediation and automated scaling actions with configurable profiles
- Customizable workflow and policy engine
- Software as a service (SaaS) model for faster time to market

VNFs in Ensemble Harmony Ecosystem



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