Ensemble Orchestrator
Open NFV service orchestration

Do you want to design, deploy and assure services using virtualized infrastructure? That means, onboarding any virtual network function (VNF), creating services that can span from the cloud to the edge of the network; and designing and activating 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.

Your 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
  Instantiating arbitrary combinations of VNFs from third-party software vendors
- Centralized or distributed NFV
  VNF in centralized data centers as well as distributed across multiple data centers, central offices, PoPs, or even customer-premises compute platforms
- Open architecture and APIs
  Open application programming interfaces (APIs) for integration into higher order systems
- Highly scalable and reliable
  Horizontally scalable, resilient, cloud-hosted application
## 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
- 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

## VNFs in Ensemble Harmony Ecosystem

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