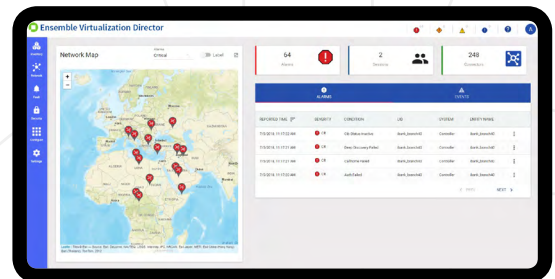
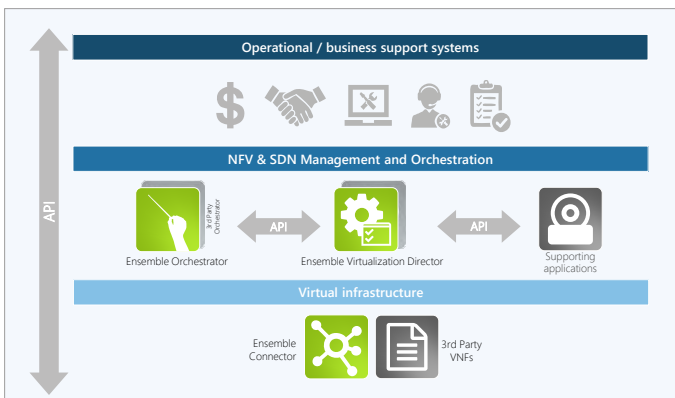


## Ensemble cloud suite

### Network virtualization simplified

Communication service providers (CSPs) are looking for ways to be more competitive and agile, while also reducing CapEx and OpEx. Network functions virtualization (NFV) enables CSPs to deliver new revenue opportunities by accelerating the innovation cycle and reducing the time and cost of deploying new services in a multi-vendor environment.

NFV is transforming how communication services are developed and managed. But, while the benefits of NFV are clear, NFV also introduces operational complexity. To address this complexity, our Ensemble portfolio delivers a truly open network virtualization suite providing powerful orchestration, virtual hosting, management and automation tools. Ensemble offers a flexible, multi-vendor solution and an industry-leading ecosystem of partners that delivers a wide variety of popular network virtualization use cases. With Ensemble, CSPs are now able to deliver a new generation of on-demand, application-aware services.

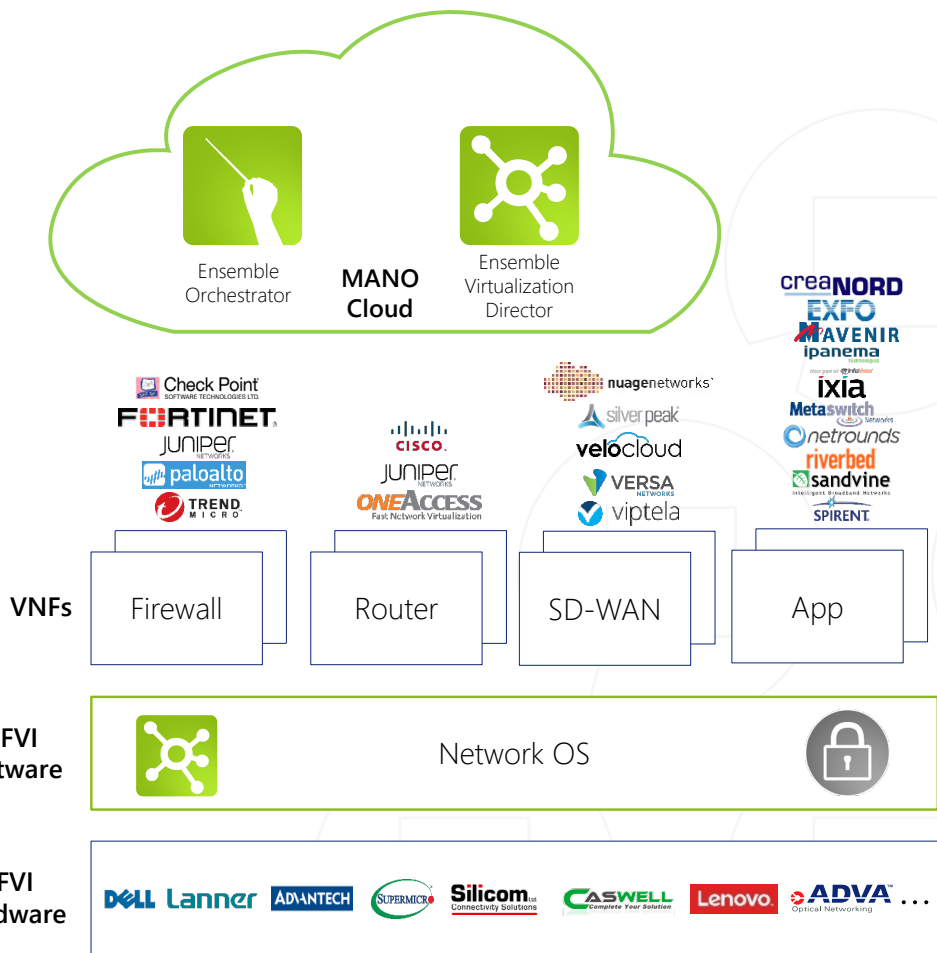


### Your benefits

- ✔ **Real-world deployments**  
 Ensemble is a virtualization suite with numerous awards and successful customer deployments
- ✔ **Truly open architecture**  
 Embraces the open principles of SDN and NFV to deploy functions at the metro service edge, in the data center and in the cloud
- ✔ **Ultimate flexibility**  
 Enables CSPs to replace closed appliances with software hosted anywhere in the network on any open hardware
- ✔ **High-performance virtualization**  
 Delivers multi-Gbit/s performance on low-cost servers while maintaining low latency and jitter
- ✔ **Comprehensive support for zero touch provisioning (ZTP)**  
 Versatile framework that covers end-to-end aspects of ZTP for NFV service activation
- ✔ **On-demand service delivery**  
 CSPs can increase capacity or add new capabilities in real time without investing in infrastructure or dispatching technicians

# Ensemble overview

- Ensemble Connector**
  - High-performance virtual hosting and virtual networking platform
  - Enables support for hosting multi-vendor virtual network functions (VNFs)
  - Rich set of operational features, including ZTP
  - Support for a wide range of third-party COTS and ADVA hardware platforms
  - Software-based encryption and secure NFVI for layered protection
- Ensemble Orchestrator**
  - Powerful ETSI MANO-compliant NFV orchestration solution
  - Provides a single point of entry for end-to-end VNF and network service lifecycle management
  - Scalable platform with full VNF lifecycle management
- Ensemble Virtualization Director**
  - Advanced network management solution that can support automated deployment and management of NFV-based services
  - ZTP for uCPE and SD-WAN
  - NFV dashboard for performance and fault management



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Product specifications are subject to change without notice or obligation.

