

CIENA BLUE PLANET MDSO



www.blueplanet.com/products/multi-domain-service-orchestration.html

VENDOR SNAPSHOT

PRODUCTS AND SERVICES

The Multi-Domain Service Orchestration (MDSO) software solution is a key component of the Blue Planet Intelligent Automation Portfolio.

- An intent-based model- & template-driven toolkit that abstracts network to provide REST APIs upstream to existing OSS environments.
- Extension provides standards-based NFV Orchestration (NFVO) for lifecycle management of VNFs, meeting ETSI's NFV Management & Orchestration (MANO) guidelines.
- Provides end-to-end visibility of a network service and the supporting VNFs.
- Orchestrates NFVI resources across single or distributed data centers.

KEY STRATEGIES

- Create a foothold in a centrally relevant function in the customer's operation + support practical expansion of Ciena's footprint with the customer
- Provide vendor-agnostic support.
- Support new SDN-enabled physical and virtual network elements using open data models + protocols, including TOSCA and NETCONF/YANG, but also support CLI, TL1, SNMP interfaces for older equipment.
- Provide a development toolkit that enables customers and partners to develop adapters for physical and virtual resources and an information exchange to share them.

Key

Customers

Windstream CenturyLink Orange Zayo Independent Division 2019

Blue Planet is an independent division of Ciena to support the IT and CSP markets with automation software for multi-vendor networks. Its MDSO solution allows network operators to automate the end-to-end delivery of services across both virtual and physical domains.

Ecosystem

- Gitlab & DevOps
 Platform
- Community Forum
- DevOps Exchange for adapter development

Hanover, MD



ANALYSIS

- MDSO provides a full set of Domain Controller and Cross-Domain Orchestration functions as defined by ACG Research, focused primarily on Packet and Optical Transport networks (PNFs & VNFs/CNFs), but applicable to other domains.
- MDSO can continue providing a centralized 'engine' of intelligence in customers' DCO deployments so long as its use of open data modelling, protocols and APIs remains current and is taken advantage of in its deployments