

VENDOR SNAPSHOT

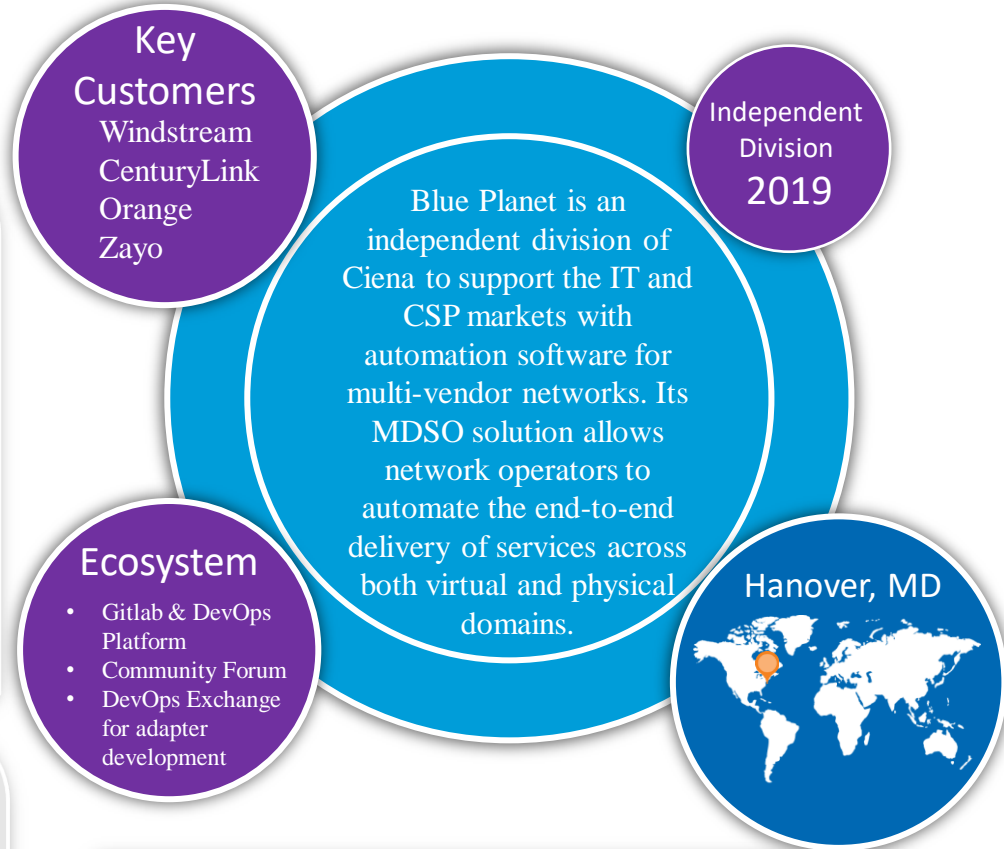
PRODUCTS AND SERVICES

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.



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