

VENDOR SNAPSHOT

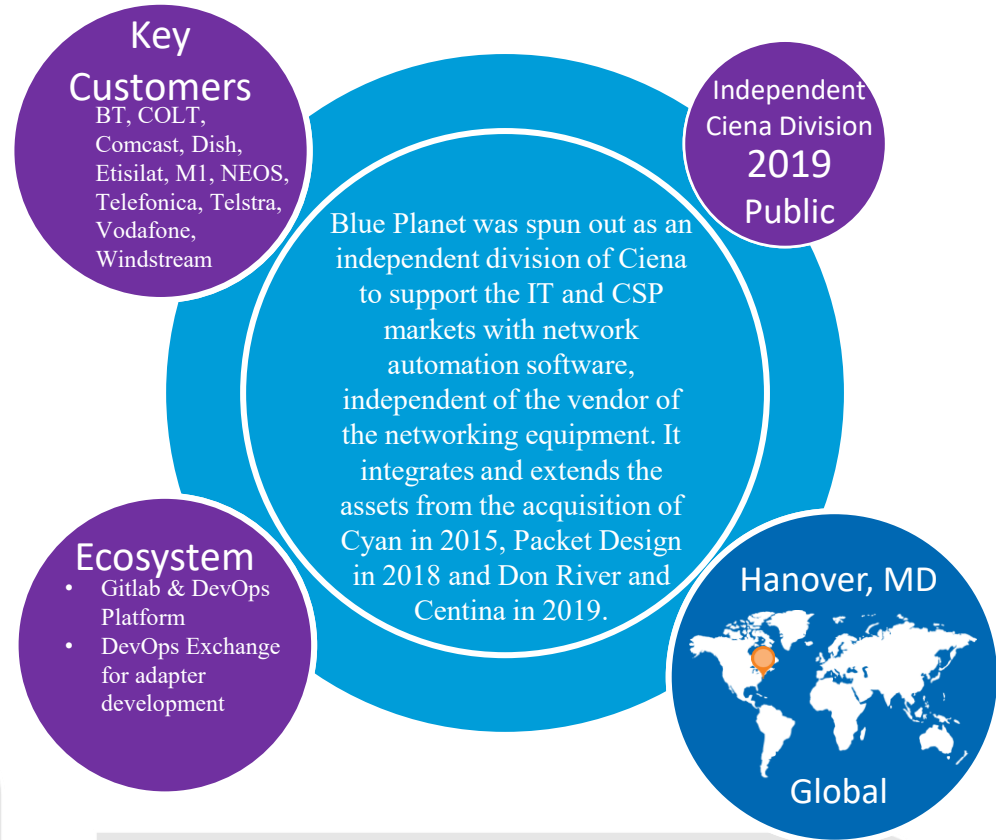
PRODUCTS AND SERVICES

Ciena's Blue Planet *Intelligent Automation* is a decomposable suite of software products for automating operations of CSPs' multi-vendor networks. It can be configured by CSPs, SIs, and vendors to provide closed-loop service lifecycle automation. It includes:

- Multi-Domain Service Orchestration (MDSO) for intent-based automation and lifecycle management of network services.
- NFV Orchestration (NFVO), an extension of MDSO, that works with existing NFVI systems to instantiate VNF and CNF infrastructure
- Inventory (BPI) for federating operational data from multiple existing network inventory systems to create a single unified view of network resources and LOGICAL services.
- Route Optimization & Analysis (ROA), providing path-aware operational monitoring for trouble resolution of IP/MPLS-based services.
- Unified Assurance and Analytics (UAA) for service assurance across multiple physical and virtual domains. Integrates ML-assisted predictive analytics and closed-loop prescriptive capabilities.

KEY STRATEGIES

- Provide a suite of productized software components that work together, or separately, to allow CSPs, SIs, and NEMs to create scalable systems for domain control and cross-domain orchestration of existing and new network resources.
- Penetrate new accounts thru end-to-end orchestration, active federated inventory, or modern hybrid network service assurance, then expand to include the other domain control & orchestration functions in the suite.
- Partner with multiple network technology providers, including Ciena, providing domain control for their transport equipment and other network resources.
- Use a microservices architecture and deliver using DevOps processes as SaaS or on any private or public cloud provider.
- Expand to support 5G (and transition from 4G) and MEC support, including end-to-end slicing support.



MYTAKE ANALYSIS

- Blue Planet provides true multi-vendor support through the independent Blue Planet division, much more than offerings from other network resource providers. It is in the top 3 of end-to-end orchestration vendors and is seeing significant continued revenue growth in 2021.
- It is a technology leader in the network automation and orchestration market with a strong set of partnerships with CSPs, network resource providers, and SIs.