SEDONA NETFUSION™ SOFTWARE

sedonasys.com

VENDOR SNAPSHOT

PRODUCTS AND SERVICES

- Sedona Systems NetFusion™ software automatically discovers CSP optical and packet (L0-L3) networks and interconnections between them, consolidating the data into a single consistent and current data model.
- The NetFusion™ platform also encompasses engines for network discovery, visualization, multi-domain data integration, analytics, path computation, optimization and automation. On top of them it runs network intelligence and automation applications, including:
    - NetFusion Planning for optimal networks
    - NetFusion Operations for proactive troubleshooting and assurance
    - NetFusion Controller for SDN-automated services and optimization
    - NetFusion Analytics for analysing network structure and traffic
- Current use cases supported are: network resiliency & diversity assurance, closed-loop fulfilment & assurance of premium services, inventory database cleansing, network slicing for 5G, multilayer optical/IP management, IP/Optical dynamic optimization, automated link restoration, on-demand data center. connectivity, and multi-layer coordinated maintenance processes.
- NetFusion works over legacy network domains as well as SDN enabled ones.

KEY STRATEGIES

- Help CSPs to accelerate full SDN deployment and create an automated service-aware network through a multi-layer, multi-vendor software solution.
- Provide a multi-domain network controller for optical and IP/MPLS domains that works with the controllers from the NEMs.
- Build on a base of real-time network inventory, discovered from the network elements and improve inventory systems data.
- Interface with northbound Service Orchestrators and OSS via a highly abstracted interface, hiding the network details.
- Build out practical solutions for CSP use cases that provide early ROI – even before SDN is deployed.

Key Customers
Tier 1 & 2 CSPs (Vodafone, Verizon, Telefonica)

Ecosystem
Major vendors of WDM, OTN, and IP/MPLS, transport and Orchestration

Sedona Systems is a vendor of management and control software for optical and IP/MPLS service provider networks. Its NetFusion™ software analyzes, optimizes and automates multi-vendor, multi-layer networks

Founded 2014

California HQ

Israel R&D

ANALYSIS

- Small, focused ISV with a well-articulated vision and practical solution that appeals to larger CSPs, especially Galaxy Operators whose multiple OpCos have many different equipment vendors.
- Broad multi-vendor support – for both pre-SDN and SDN controlled networks
- Independence enhances good collaboration with NEMs and tight alignment with CSP goals.
- Sedona currently treats automated provisioning of VNF infrastructure as the job of other VNFM + NFVO systems working with a higher-level service orchestrator. This will eventually constrain its ability to automatically augment virtualized network capacity as VNFs and CNFs are deployed.