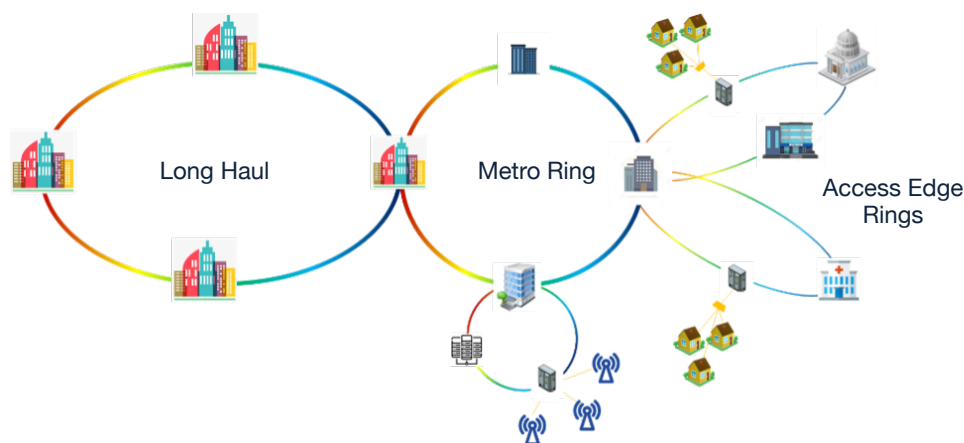# DZS Xtreme Transport

Advanced Transport Service Automation and Orchestration

Speed Up Optical Service Deployment and Slash Operations Expenses

Accelerate time-to-market, improve network monetization, and streamline operations with DZS Xtreme Transport. The end-to-end, multivendor service automation and orchestration platform lets you design and turn up differentiated optical transport services—quickly, easily, and cost-effectively. It helps service providers stand out from the competition, boost margins, and deploy n x 100G, 400G and 800G transport. Xtreme Transport's open approach works with Open ROADM based multi-vendor optical transport networks as well as DZS' Saber 4400 optical transport platform to enable end-to-end optical transport services.

Unlike traditional service orchestration platforms that require a high degree of customization and costly professional services, DZS Xtreme Transport is designed from the ground up for rapid time-to-value and extreme simplicity. Automated provisioning and service-chaining capabilities, wizard-driven user interfaces, and customizable workflows make it fast and easy to design and deploy transport services. Intent-driven networking lets you intelligently enforce unique SLAs for each service. And an SDN-based architecture with standards-based APIs streamlines integration with OSS/BSS platforms, service assurance tools, and other external applications.
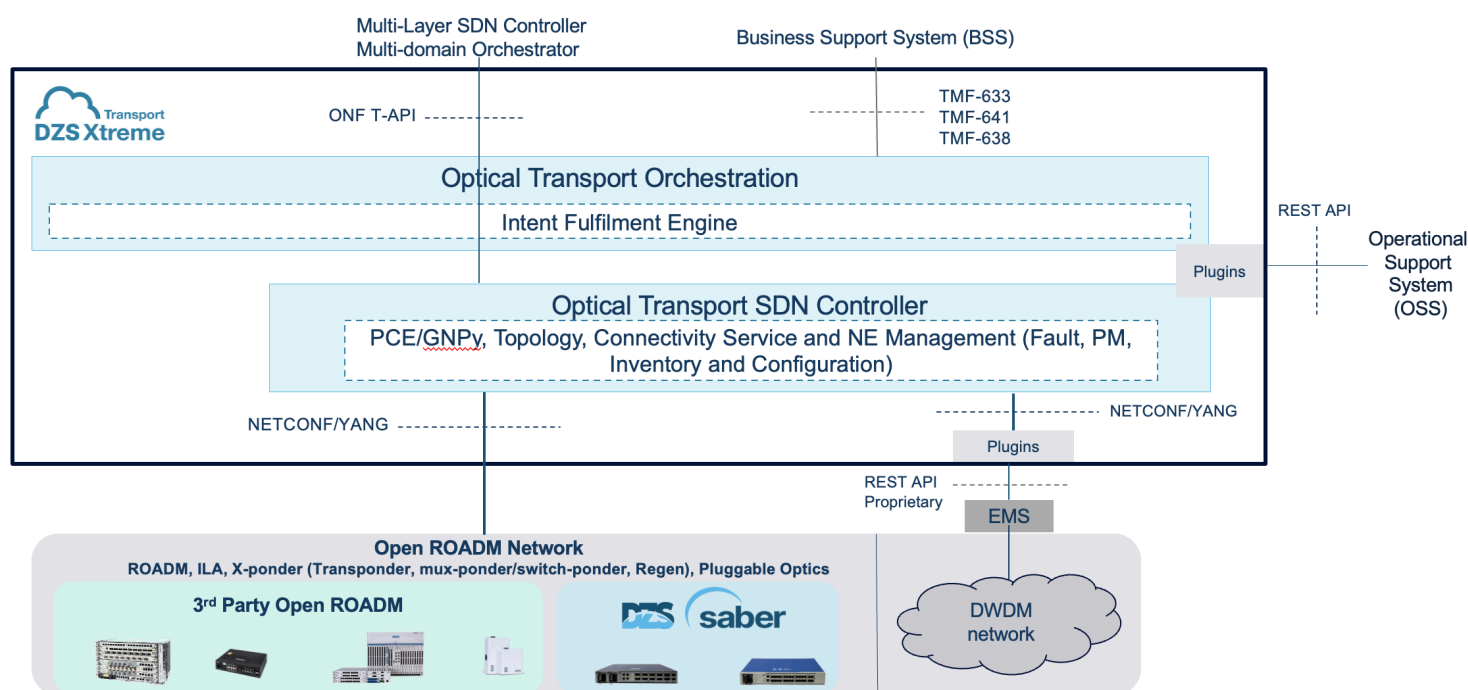
KEY BENEFITS

+ **Accelerate** the introduction of optical transport services

+ **Reduce** operations and integration expense and complexity

+ Works with Open ROADM based multi-vendor networks including the DZS Saber 4400 platform for the metro and network edge.

+ **Improve** customer experience and satisfaction

+ **Protect and extend** previous investments easing integration into OSS/BSS systems

Long Haul   Metro Ring   Access Edge Rings

Automated Provisioning Makes it Fast and Easy to Design and Deploy Transport Services

DZS Xtreme is an integral component of the AI-driven DZS Cloud software portfolio. You can use DZS Xtreme in conjunction with other DZS Cloud solutions to manage your customers' experience from the connected device in their home or business across the last mile to the edge of the internet. DZS Cloud provides single pane-of-glass visibility into the entire multivendor network from the optical edge to the access edge, to the subscriber edge.

End-to-End Service Orchestration Across the Transport Network

The DZS Xtreme Transport SDN Controller (SDN-C) and Element Management System (EMS) shown in the diagram below will provide ease of operations for Service Providers through its ability to manage not only the DZS Saber elements, but also the legacy network.

DZS Xtreme Transport utilizes standards-compliant models and APIs from TM Forum, IETF, ONF and others. Using its plugin-based architecture, DZS Xtreme orchestration can easily integrate with any third-party southbound system (SDN-C, NE) using standard APIs or, in the case of proprietary third party systems, using the system's native APIs. The DZS Xtreme orchestration NBI uses TMF and REST Open APIs. In accordance with MEF LSO "Legato" principles, DZS Xtreme Orchestration supports the use of TMF 633, 641, and 638 as NBI for control of multi-domain transport services.

Holistically Orchestrate Services Across Heterogenous Transport Networks

KEY FEATURES AND CAPABILITIES

+ **Differentiated service catalogues** – automated provisioning and service-chaining functionality make it easy to create and manage a wide variety of ready-to-deploy services aimed at different applications and market segments

+ **Intuitive GUI** – a service-centric user interface with drag-and-drop functionality and context-aware wizards simplifies service composition and deployment

+ **Open APIs and interfaces** – standards-compliant APIs simplify integration with existing systems and practices such as OSS/BSS platforms, service assurance tools, and analytics solutions

+ **Vendor-agnostic solution –** ability to manage network devices from different vendors, without being tied to a specific vendor's proprietary technology

+ **Centralized control –** a single pane of glass for managing the network, with a centralized control plane that can automate and orchestrate network functions across multiple domains and vendors

+ **Network visibility and analytics –** real-time network visibility and analytics, allowing operators to monitor network performance, detect anomalies, and troubleshoot issues

+ **Intent-driven fulfilment –** intent-based networking with closed-loop assurance intelligently enforces SLAs, optimizes customer experience, and eliminates manually intensive, error-prone administrative processes

+ **Model-driven approach –** a modern, model-driven software design dramatically simplifies and speeds up integration efforts, improving productivity for in-house developers and operations teams