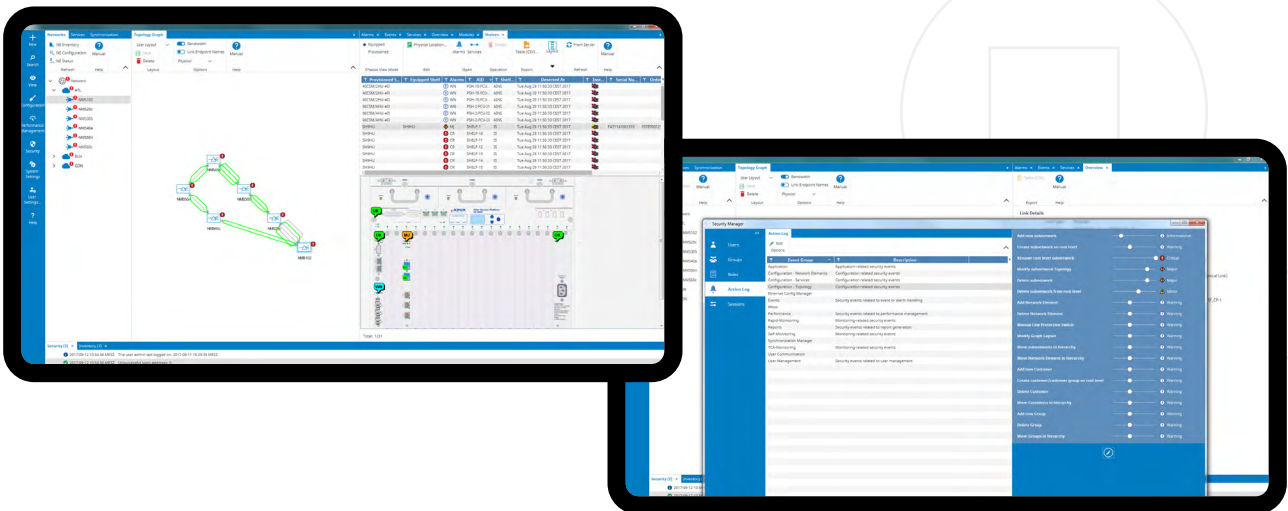


Ensemble Controller

Combining network management with domain control

With ever-increasing network complexity, communication service providers need management tools for intuitive and barrier-free operation, while open control interfaces need to enable simple integration into end-to-end orchestrators. A common solution for network management and domain control is a prerequisite for seamless migration from manual operations to automated control. Our Ensemble Controller provides value-adding modules for simplifying the planning and operation of multi-technology networks.

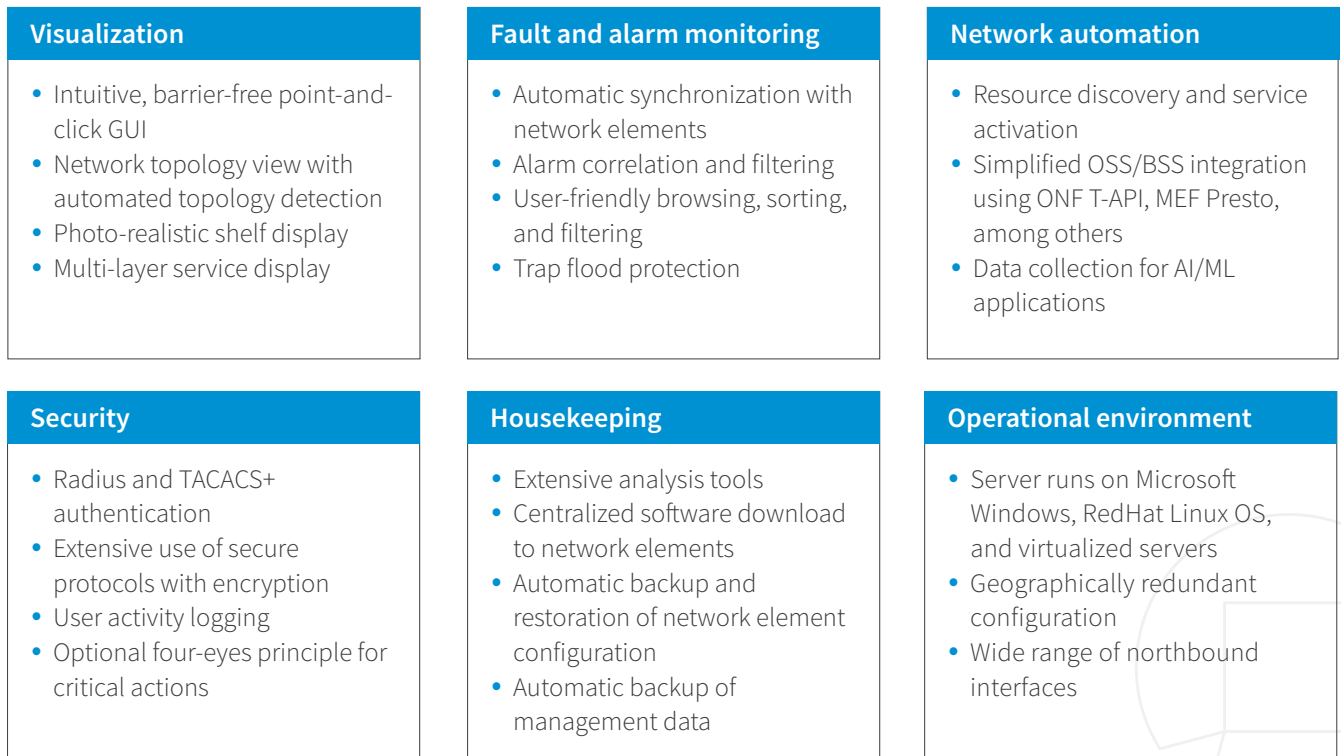
Our Ensemble Controller is a comprehensive network management solution for advanced operation and control of multi-technology networks. With a rich set of sophisticated features, it streamlines operational processes, helps to isolate faults, gathers performance data and delivers comprehensive reporting. Thanks to an intuitive graphical user interface (GUI) and multitude of sorting and filtering options, operational staff can easily and efficiently manage the network, no matter how big or complex it is. With our Ensemble Controller's automated procedures, even tedious and long processes, such as network element backups or software downloads, become child's play. Open SDN interfaces simplify the integration into overarching orchestrators for automated dissemination of abstracted resource information and network health as well as automated service activation.



Your benefits

- ✔ **Multi-technology management**
 One field-proven tool for optical transport systems, packet networks and synchronization solutions
- ✔ **Performance management**
 Collecting, storing and displaying of performance data for best quality and ensured SLAs
- ✔ **Fault management**
 Simplified fault management resolving problems instantly by sophisticated sorting and filtering options
- ✔ **Technology-specific extensions**
 Extensible with Ensemble "Directors" for enhanced operational efficiency
- ✔ **Open standardized northbound interfaces**
 Simplifying integration with open-source and commercial multi-domain controllers
- ✔ **Proven, reliable and scalable**
 Applied with more than 800 customers and designed to manage more than 100.000 network elements

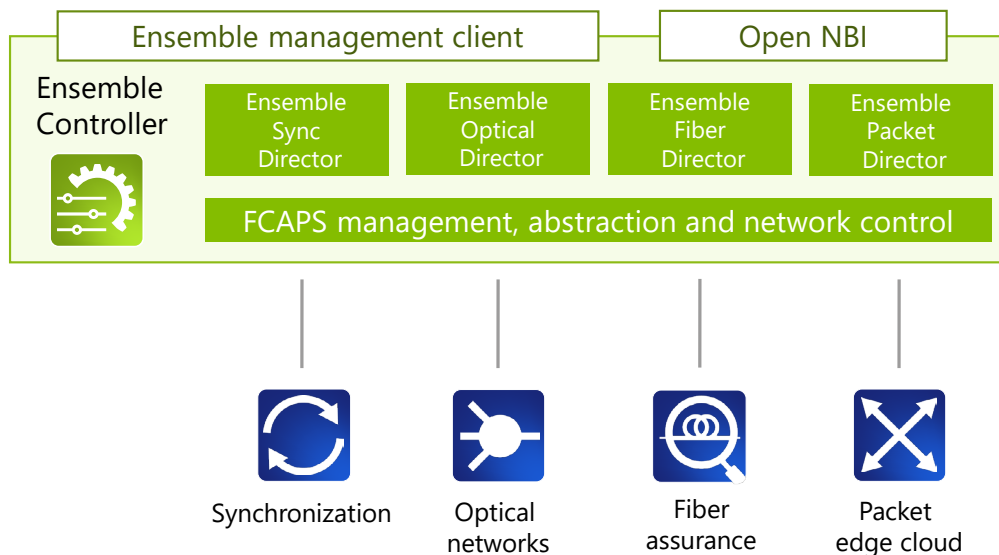
High-level specifications



Applications in your network

Advanced management and control for manual and automated service activation and assurance

- Centralized visibility and management of network infrastructure
- Integrated cross-layer management view for WDM/OTN and packet layer as well as synchronization network
- Controlling ADVA network domain through standard northbound SDN control interface



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Product specifications are subject to change without notice or obligation.

