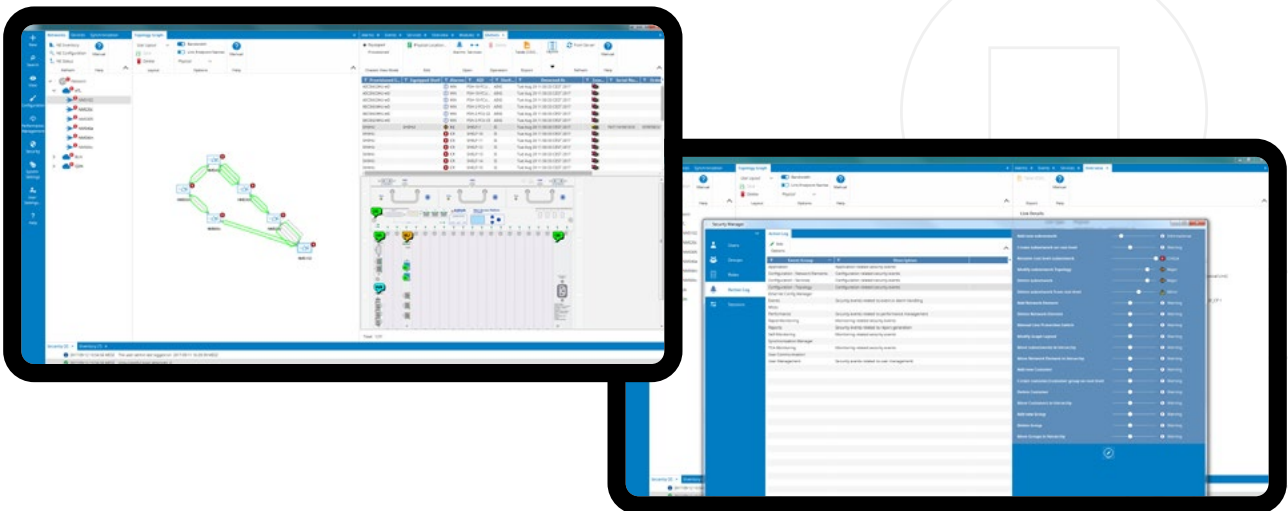


Ensemble Controller

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.

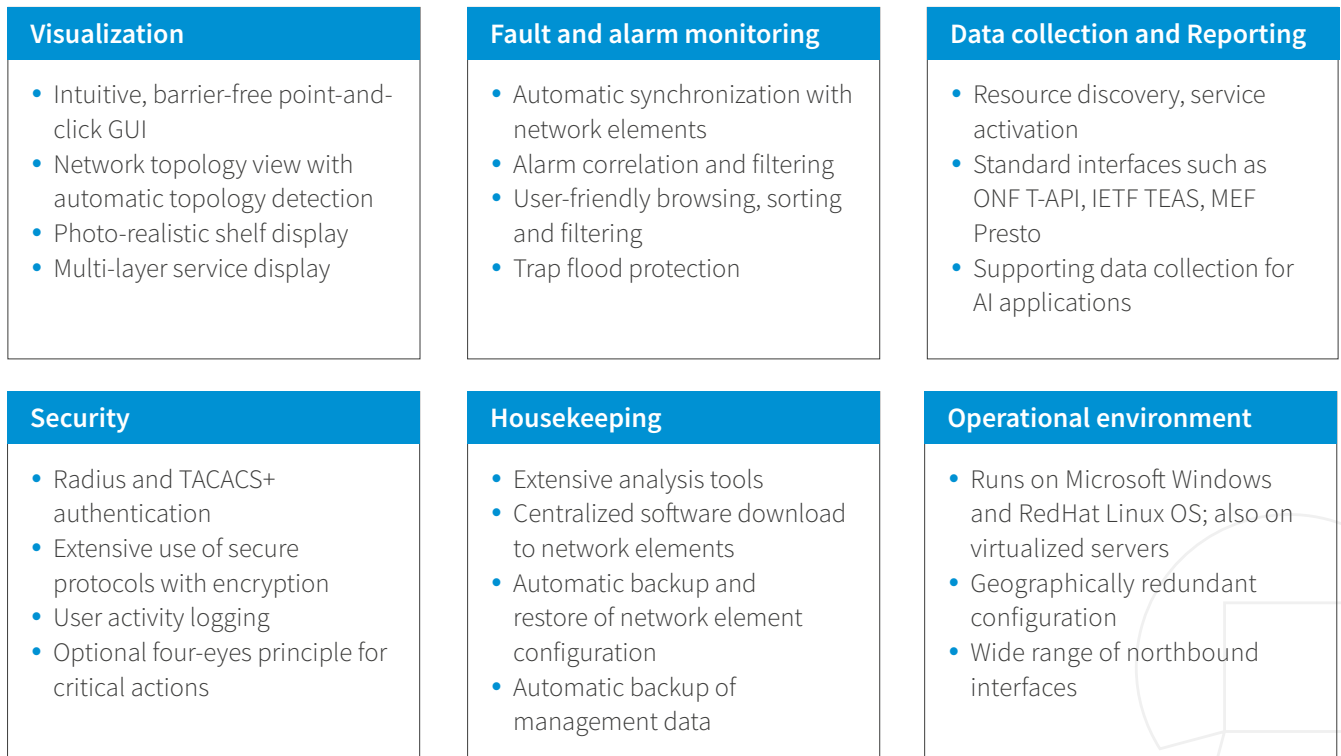
Our Ensemble Controller is part of our comprehensive Ensemble software solution suite for advanced operation and control of physical and virtualized networks. With its management capabilities, it streamlines operational processes, helps to isolate faults, gathers performance data and delivers comprehensive 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

- ✔ **Performance management**
Collection, storage and display of performance data enable operators to monitor and optimize network quality and ensure SLAs
- ✔ **Open standardized northbound interfaces**
Simplifying integration with open-source and commercial multi-domain controllers
- ✔ **Performance management**
Sophisticated sorting and filtering options simplify fault management for instant problem resolution
- ✔ **Technology-specific extensions**
Domain-specific applications such as Ensemble Sync Director, Ensemble Optical Director, Ensemble ConnectGuard™ Director
- ✔ **Multi-technology management**
One tool for optical transport, packet networks and synchronization
- ✔ **Proven, reliable and scalable**
Applied with more than 750 customers; designed to manage more than 100.000 network elements

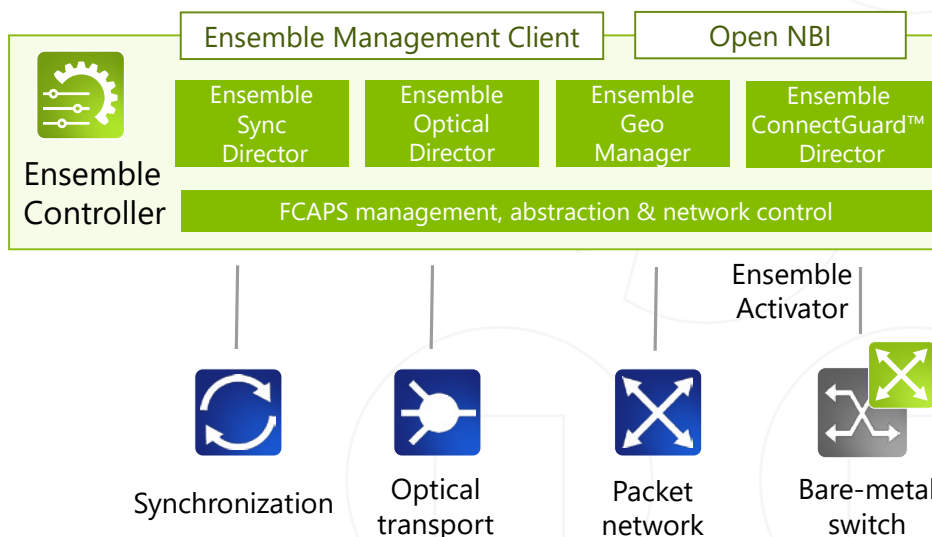
High-level specifications



Applications in your network

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

- Centralized visibility and control of network infrastructure
- Integrated cross-layer management view (WDM, OTN, Ethernet, Sync)
- Domain control of ADVA network domain providing standard northbound SDN control interface



For more information please visit us at www.adva.com
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Product specifications are subject to change without notice or obligation.

