

AVASSA AND WIND RIVER

The Avassa Edge Platform delivers innovative edge application management to help enterprises operate application workloads with ease.

LIFECYCLE MANAGING APPLICATIONS AT THE EDGE

Managing applications at the edge presents unique and complex challenges for enterprises moving beyond traditional cloud environments. Edge infrastructure is inherently distributed, in part because it spans locations, such as manufacturing shop floors, retail stores, vehicles, and onsite installations. These environments typically use a mix of compact computing resources, including small compute racks, industrial PCs, gateways, and Next Unit of Computing (NUC) devices.

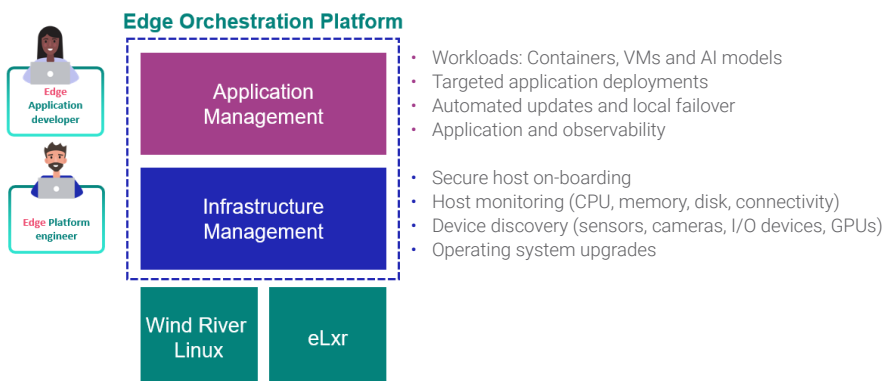
One critical challenge is ensuring consistent configuration and efficient service delivery across all edge sites to support application workloads. This necessitates a sophisticated, automated solution to deploy and update both containerized and virtual machine (VM) workloads across the entire edge network. Such a system must operate with minimal manual intervention, and it has to execute updates and deployments as a unified action across all locations.

By seamlessly integrating Wind River Linux and Wind River eLXR Pro™ the Avassa Edge Platform, offers a solution that reduces complexity for customers that manage distributed systems, optimizes operational efficiency, and reduces costs.

A COMPLETE EDGE INFRASTRUCTURE STACK

The Avassa Edge Platform integrates with the Wind River Linux portfolio, including eLxr Pro. This complete solution provides a secure software stack for managing and operating edge workloads and enhancing edge computing capabilities across distributed environments. eLxr Pro enables organizations to optimize and deploy near- and far-edge applications, allowing data processing closer to where it is generated.

Enterprise customers will benefit from robust edge infrastructure and advanced application orchestration, monitoring, and security tools. And organizations can efficiently deploy containerized and virtualized edge applications while enjoying the reliability and performance of Wind River technology.



Industries Served by Wind River and Avassa

- Retail and hospitality
- Industrial automation
- Internet of Things
- Energy
- Utilities
- Automotive
- Mining
- Telecom

MANAGING DISTRIBUTED EDGE APPLICATIONS

The Avassa Edge Platform offers a comprehensive suite of tools for IT and application-oriented professionals to bridge the gap between infrastructure management and application deployment.

The platform's central configuration system, Control Tower, integrates seamlessly with DevOps tools and CI/CD pipelines, including Wind River Studio Developer, GitHub, GitLab, Azure DevOps, and AWS. It can be consumed as a service or installed on-premises.

The system maintains applications across sites and supports them with telemetry, monitoring, and observability. This comprehensive approach simplifies edge application management and addresses the complexity of edge environments compared to central cloud deployments.



The Avassa System Architecture

MORE INFORMATION

- [Learn more about the Avassa Edge Platform](#)
- [Learn more about the Wind River Portfolio](#)
- [Learn more about the Wind River Partner Program](#)
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