



Palette EdgeAI:

Realize the potential of AI-augmented applications in edge environments, with full stack control across OS, K8s, AI engines and models.

Your AI workloads belong at the edge. But managing and securing edge computing infrastructure is already hard enough, especially at scale, without adding models and AI engines to the mix. Palette EdgeAI is the answer.

The situation

Edge AI is one of the hottest trends in IT. Gartner predicts that by 2027, 65% of edge workloads will include machine learning and deep learning. But managing edge infrastructure and Kubernetes software stacks is challenging, especially with AI engines and models to deploy too. How do you:

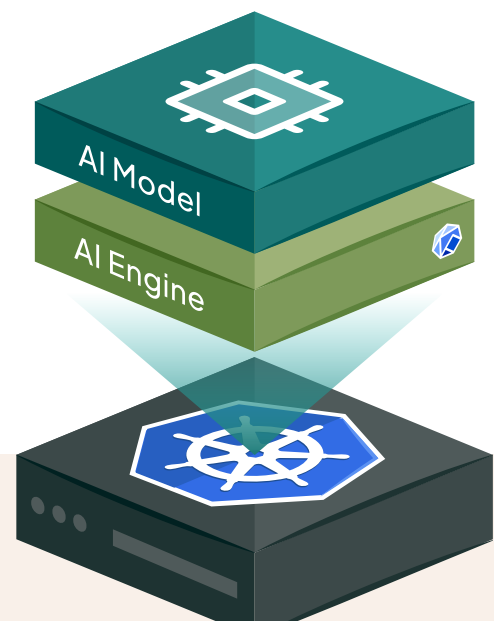
- **Deploy and onboard** new edge devices in remote locations, without IT experts on site?
- **Patch and update** the entire stack to push new model versions and security updates?
- **Maintain the security** of edge hardware, and the data on it — which may include proprietary models and sensitive user data?

You have questions. We have answers.

The solution

Palette EdgeAI helps you deploy and manage the complete stack, from the edge OS and Kubernetes infrastructure, to the models powering your innovative AI apps. EdgeAI enables you to:

- **Deploy and manage** your AI stacks to edge locations at scale, from easy hardware onboarding options to repeatable 'blueprints' that include your chosen AI engine.
- **Update** your edge models frequently without risk of downtime, with easy repo integration and safe, version-controlled updates and rollbacks.
- **Secure** critical intellectual property and sensitive data, with a complete security architecture from silicon to app, including immutability, secure boot, SBOM scans and air-gap mode.



How it works

EdgeAI is a new and ever-expanding set of features built into our Palette Edge Kubernetes management platform. From the Palette user interface or API you can:

- **Define AI-ready software stacks** to deploy on your cluster. This includes OS, Kubernetes and its integrations, and a choice of AI model engines including Kubeflow and LocalAI.
- **Easily add AI models** with integrated access to Hugging Face and your own model repositories.
- **Deploy your AI software stacks** to any number of edge locations, across Arm and x86 architectures.
- **Upgrade model versions** over the air, in parallel with zero downtime.
- **Control risk** with canary model deployments and easy rollback to previous model versions.
- **Secure the edge infrastructure** and software stack with integrated SBOM scans, disk encryption, granular RBAC and other security controls.

Palette EdgeAI is constantly expanding the boundaries of edge computing, with innovations around distributed inferencing and federated training.

Why choose Palette

Edge AI is a complex and fast-changing frontier of the IT landscape, and you need a partner you can trust. With Spectro Cloud Palette EdgeAI you get:

- **A proven solution** that's the first choice of companies like GE HealthCare.
- **Award-winning edge capabilities** from a Gartner Cool Vendor in Edge Computing and the 2025 GigaOm Radar Report.
- **Freedom of choice** over hardware, OS, Kubernetes distribution, 50+ software integrations, AI engines and models.
- **The most comprehensive edge security** architecture from the silicon to the app, and compliance with strict standards like FIPS 140-2.
- **Uniquely scalable performance** and resiliency with our patented decentralized architecture.
- **Enterprise-grade support** with access to our experts up to 24x7 covering your entire stack.

See our ["Why Palette" page](#) for more reasons to choose Palette.



Next steps

Visit spectrocloud.com to arrange a personal demo of Palette and learn more about EdgeAI.

