

Using open source projects delivered an open source- based AI @ Edge Platform to securely connect to, and ingest data from, heterogeneous edge devices, including:

- Robots, cameras, RFID, IoT, sensors, etc.
- Plug & play, tested edge device connectors to work on the platform

Enabled accelerated software development:

- Deliver AI apps to the edge quickly & efficiently with templates (e.g. OpenVINO™ toolkit) without handcrafting each node, camera, IoT/ Sensor, AI
- Leverage existing cloud-native skills (7.1M developers) — No re-skilling needed

Scaled solution with policy-based automation:

- Manage updates to AI models, pipelines & containers with individual lifecycles
- Scalable up to 40K edge nodes for each management hub

Join the open source communities and leverage the underlying open source capabilities used in this project to deliver AI @ Edge use cases in Retail and other industries:

- [Edge X Foundry](#): including [EdgeX Core Services](#), [Edgex Onvif device service](#) and [Edge Video Analytics Microservice](#).
- [Open Horizon](#) and [Secure Device Onboard](#)
- [Open Retail Reference Architecture](#)

EDGE X FOUNDRY™



More about the organizations that are involved

IBM: IBM is a founding member of LF Edge working with all members towards an open edge framework. Specific collaborations include active leadership, contribution of seed code for Open Horizon, code and leadership contribution to both EdgeX Foundry and SDO. Additionally, IBM collaborates with LF Edge on the Open Retail Reference Architecture (ORRA), currently incubating within EdgeX Foundry.

Intel: Intel's Health, Education and Consumer Industries group focuses on improving the health and well-being of all life on the planet. They help foster an open ecosystem to help enable partners and end customers to solve tough industry challenges and deliver breakthrough innovations. Intel believes an open ecosystem with support for open source, open software, open standards, open policy and open competition creates a horizontal playing field where innovation thrives.

Scale Computing: Scale Computing Platform brings autonomous, on-premises edge computing with high availability and disaster recovery to remote locations at an affordable entry level cost. All edge models can be deployed quickly, managed locally or remotely, and can self-heal almost instantly. Enjoy affordable edge computing infrastructure that is reliable, easy to deploy, and easy to use