

Red Hat
Summit

Connect

Accelerating Artificial Intelligence solutions
with **intel** and  **Red Hat**

Promote your AI deployments from sandbox to
production in Edge Computing environments

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Let's go to the **Supermarket**



1 - Take two or three products from the shelf

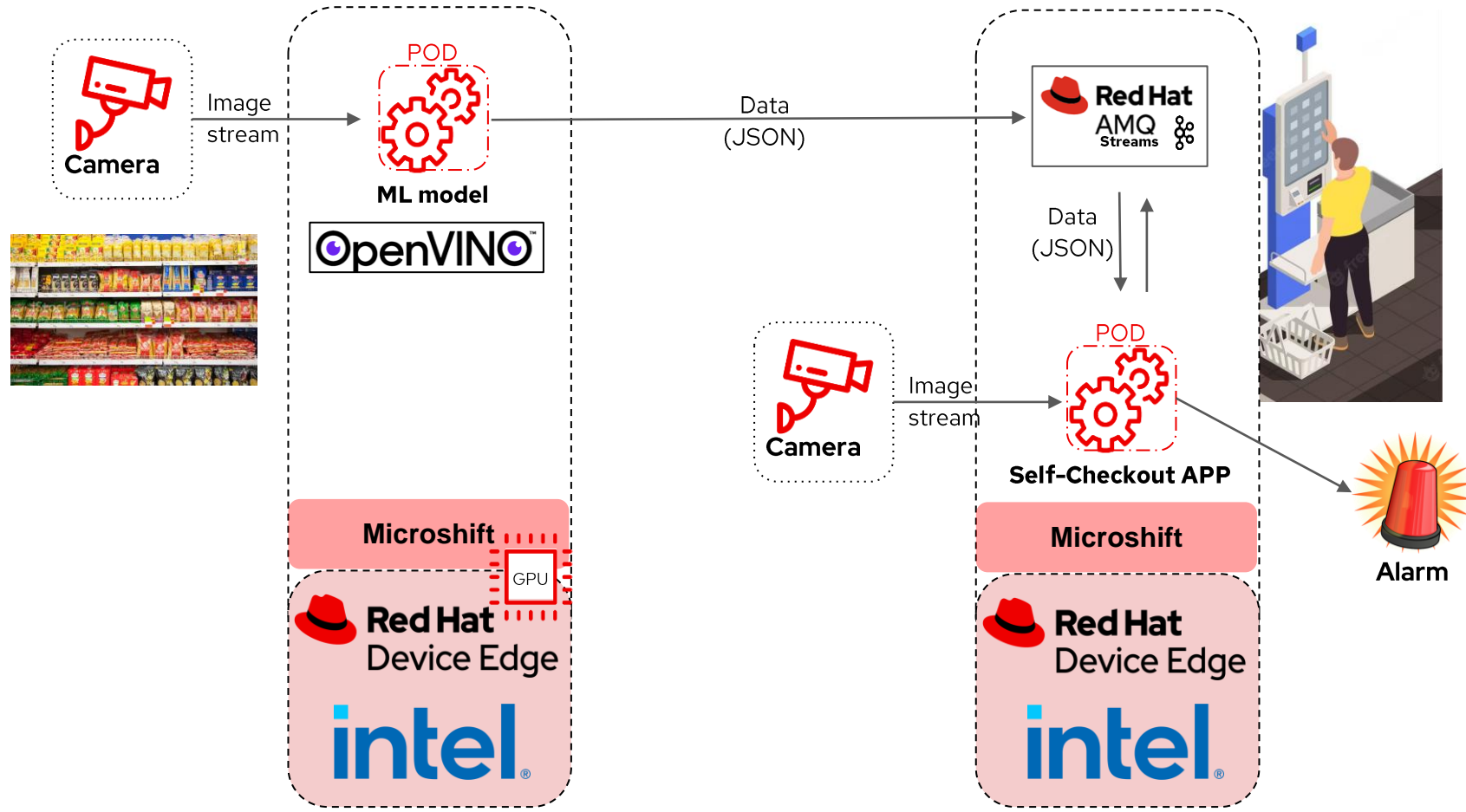


- 1 - **Take** two or three products from the shelf
- 2 - Go to the **self-checkout** table

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- 2 - Go to the **self-checkout** table
- 3 - "Steal" one of the articles



HOW
DO THEY
DO IT?





Red Hat OpenShift Data Science

Hybrid MLOps platform

Collaborate within a common platform to bring IT, data science, and app dev teams together

Now available as fully managed cloud service or traditional software product on-prem or in the cloud!



Model development

Conduct exploratory data science in JupyterLab with access to core AI / ML libraries and frameworks including TensorFlow and PyTorch using our notebook images or your own.



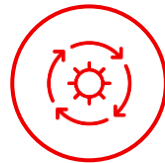
Model serving & monitoring

Deploy models across any cloud, fully managed, and self-managed OpenShift footprint and centrally monitor their performance.



Lifecycle Management

Create repeatable data science pipelines for model training and validation and integrate them with devops pipelines for delivery of models across your enterprise.



Increased capabilities / collaboration

Create projects and share them across teams. Combine Red Hat components, open source software, and ISV certified software.

Innovate quickly and confidently with open source solutions

The Red Hat AI/ML Partner ecosystem of pluggable products and services

AI/ML life cycle



Data governance and security



Data processing



Data analytics



Databases



AI Ops



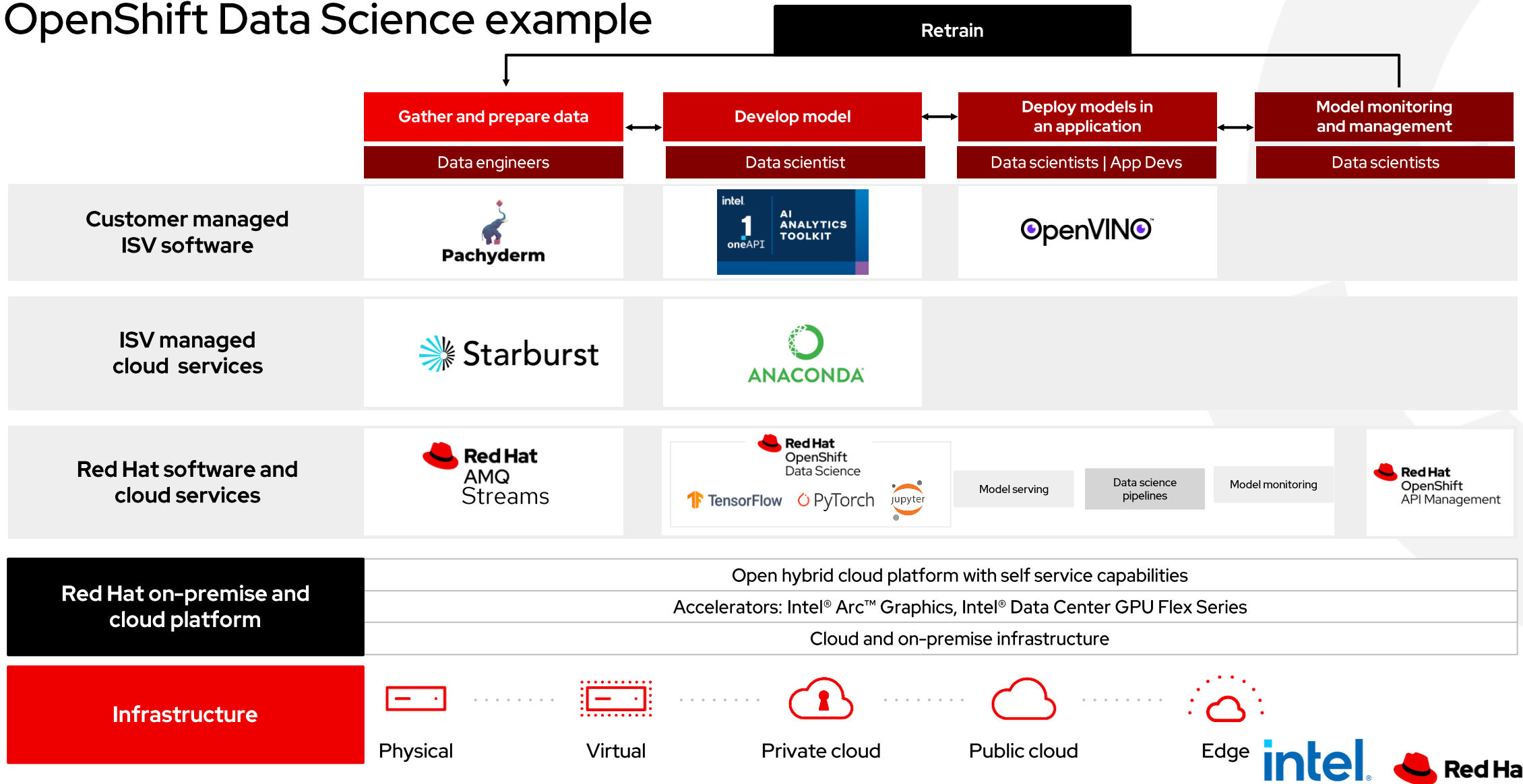
Infrastructure partners

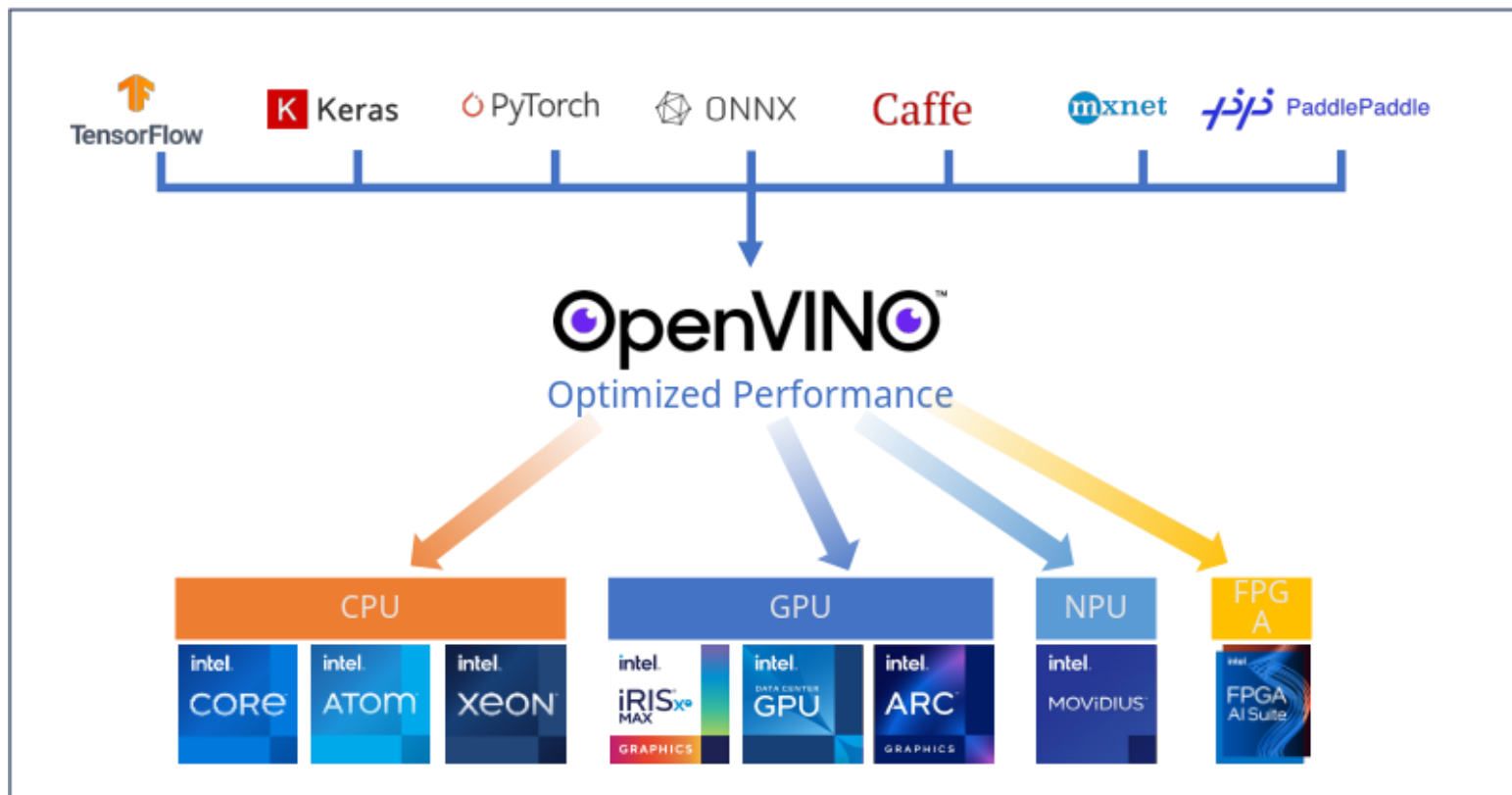


Hardware acceleration



OpenShift Data Science example



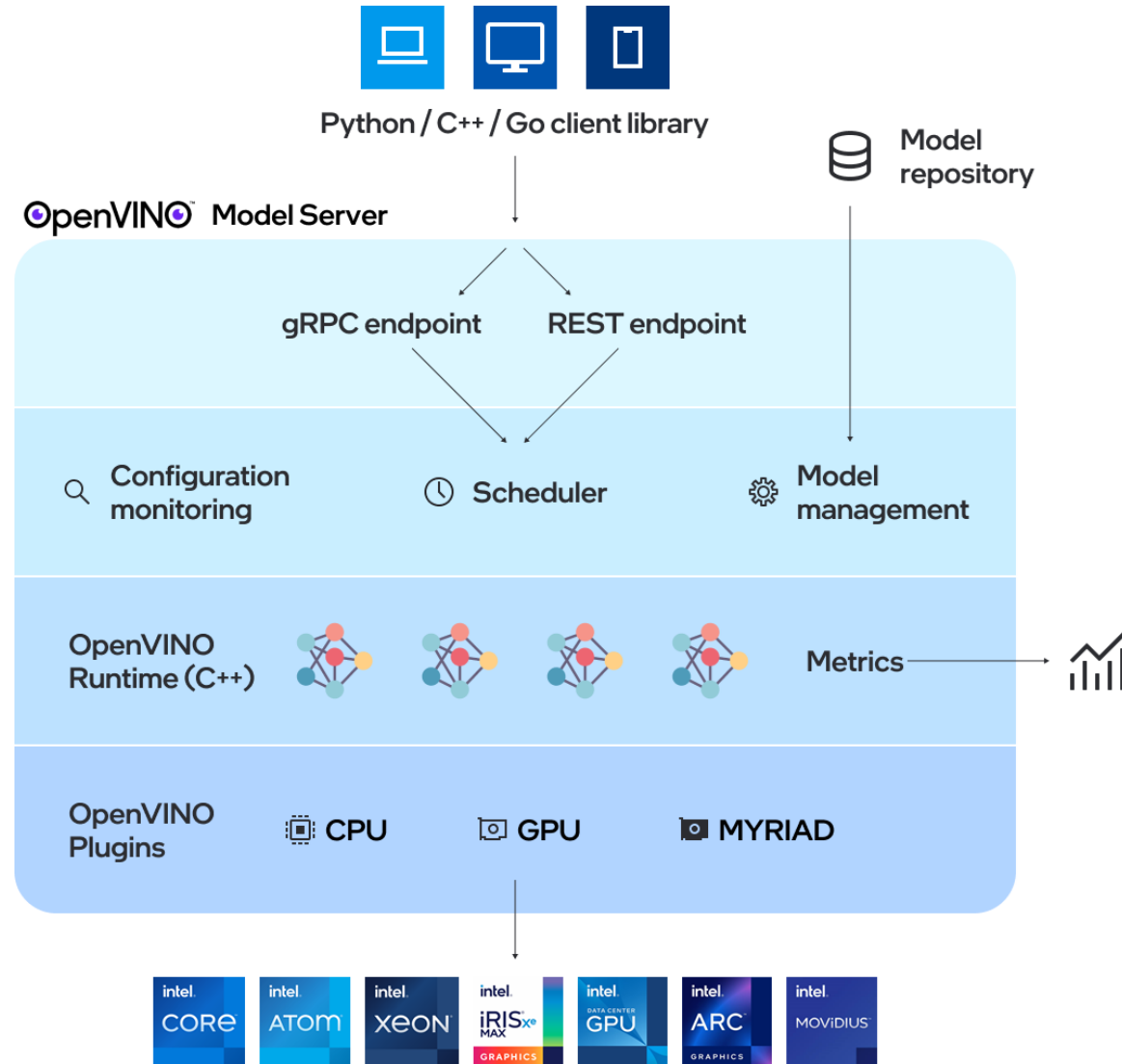


 **Red Hat**
OpenShift
Data Science

 **Red Hat**
OpenShift

  **Red Hat**

Serving Models with OpenVino Model Server



Toy VS Reality



VS



Reproducibility and environment consistency

Reproducibility and environment consistency

Scalability and compute resource management

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Scalability and compute resource management

Performance analysis and model **improvement**

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Scalability and resource management

Performance analysis and model improvement





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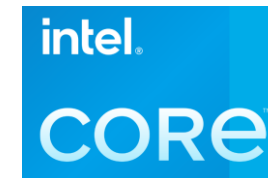




Reproducibility and consistency

Scalability and resource management

Performance analysis and model improvement

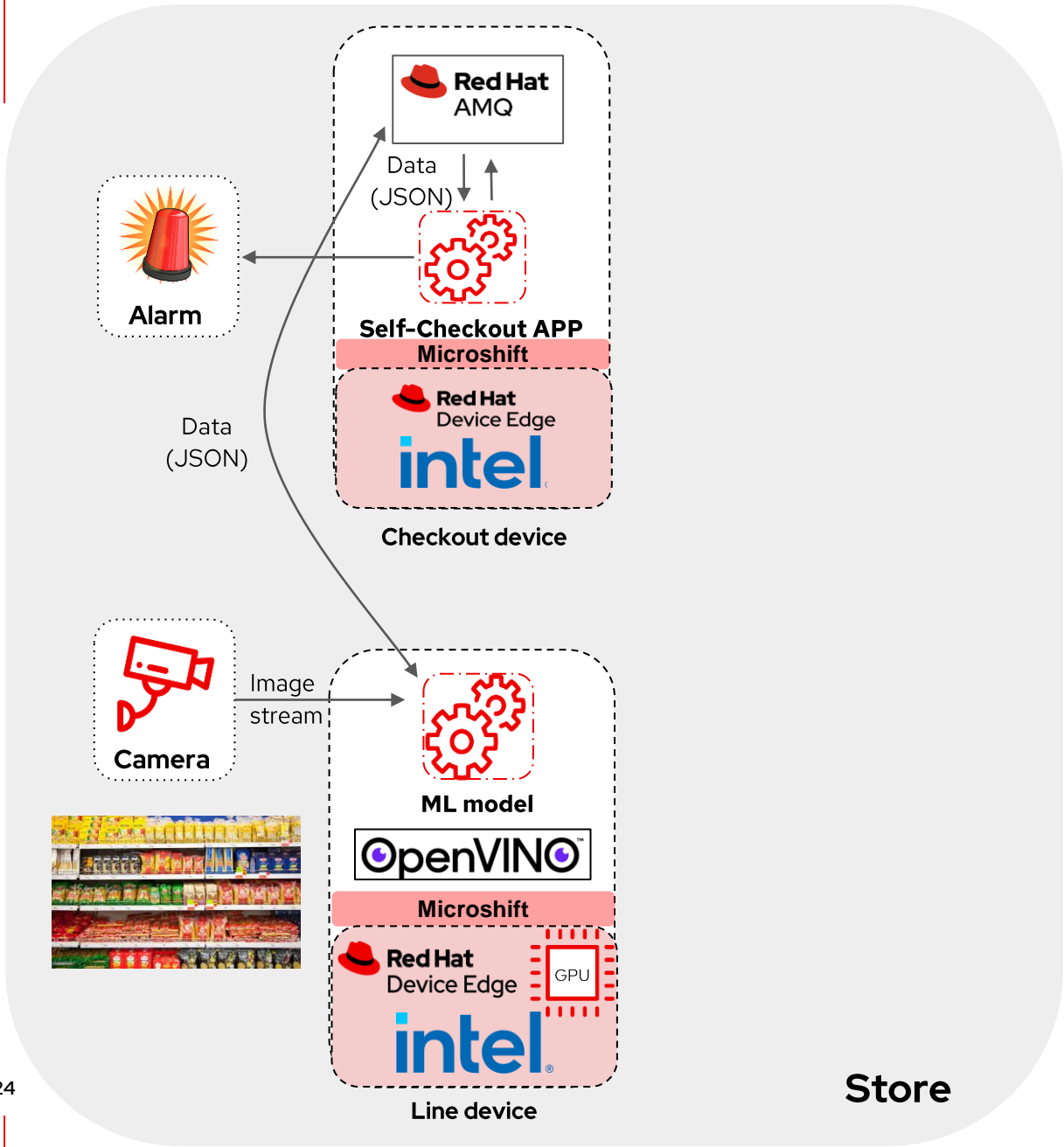


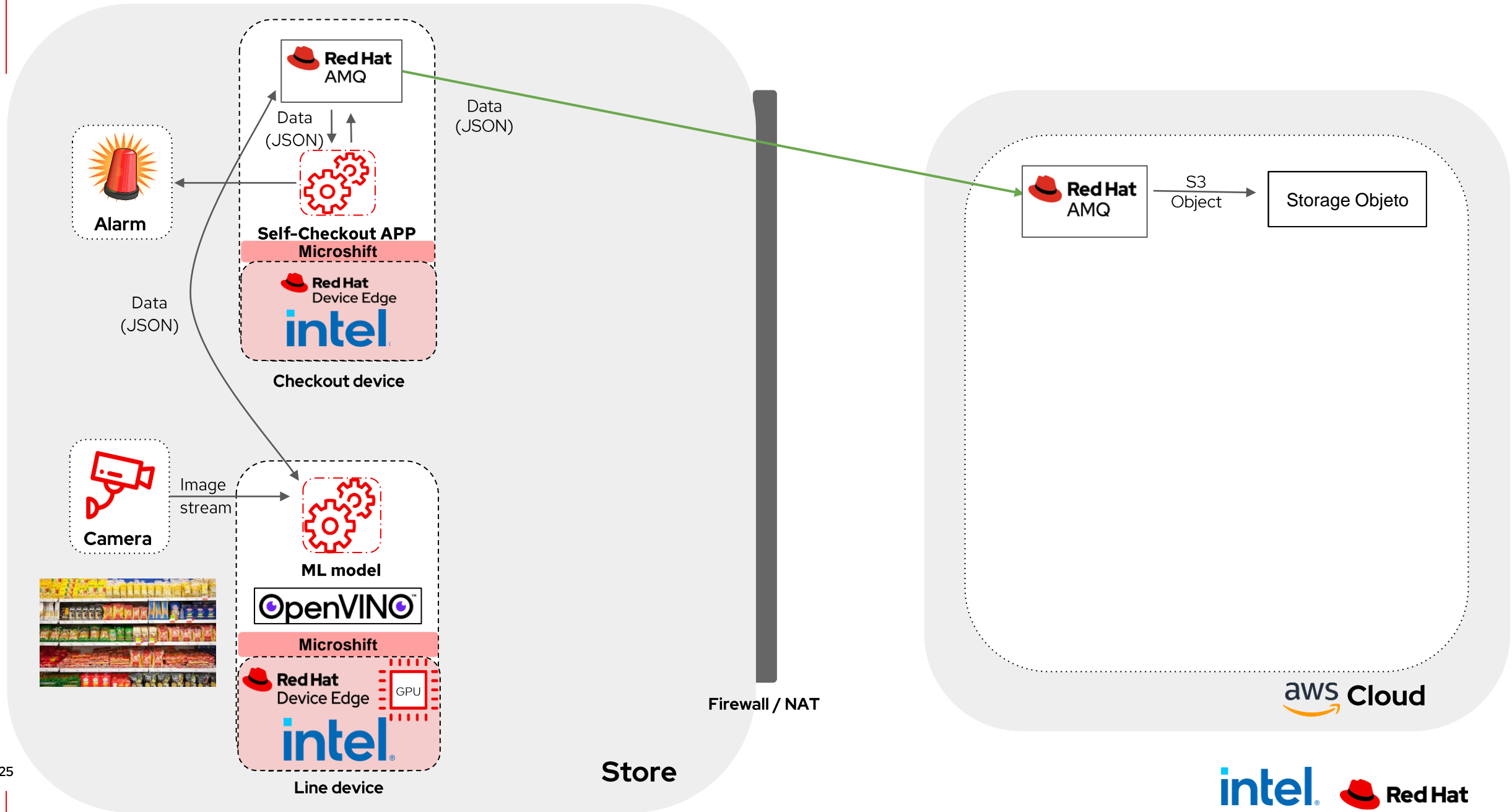
Reproducibility and consistency

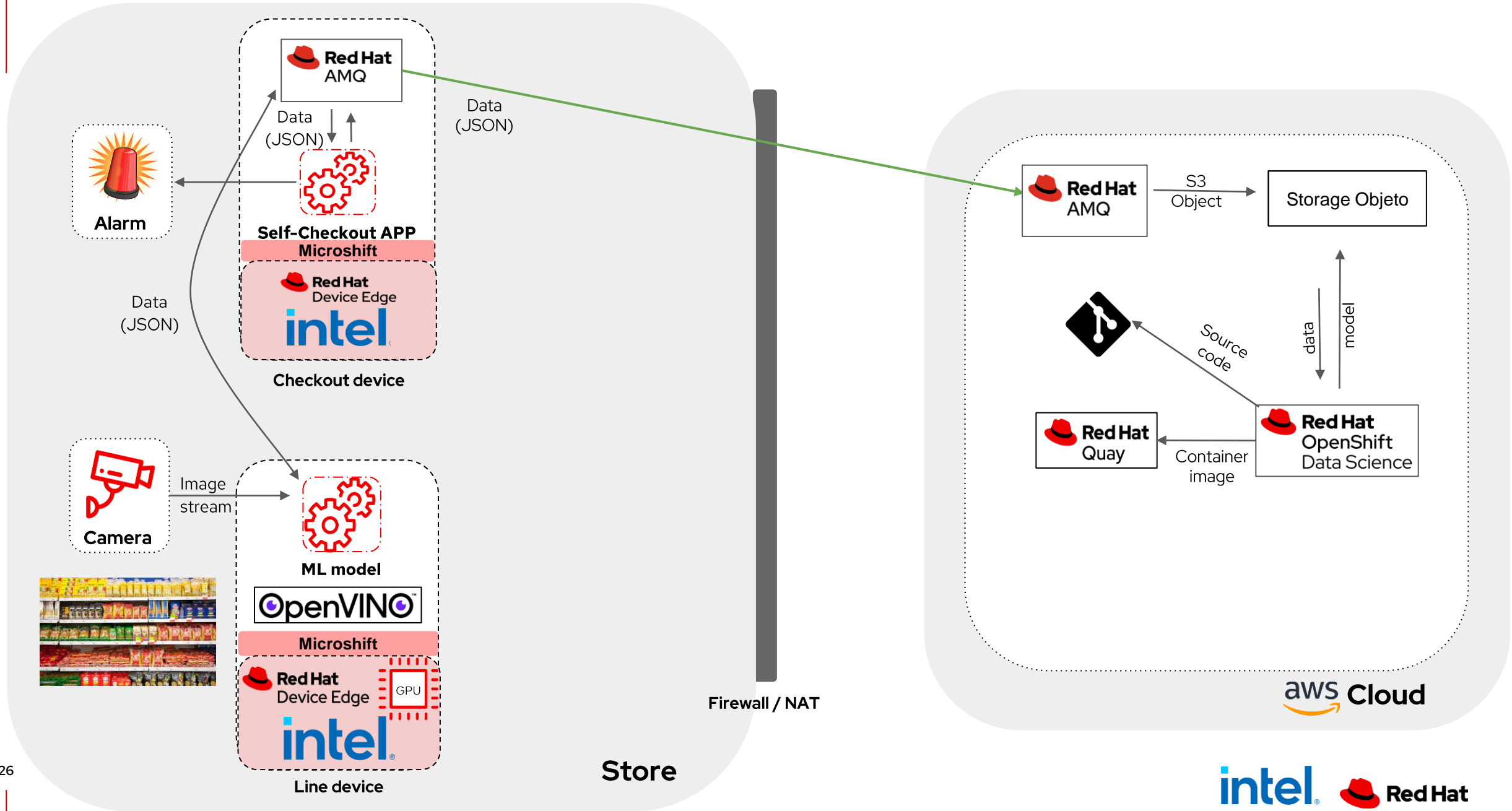
Scalability and resource management

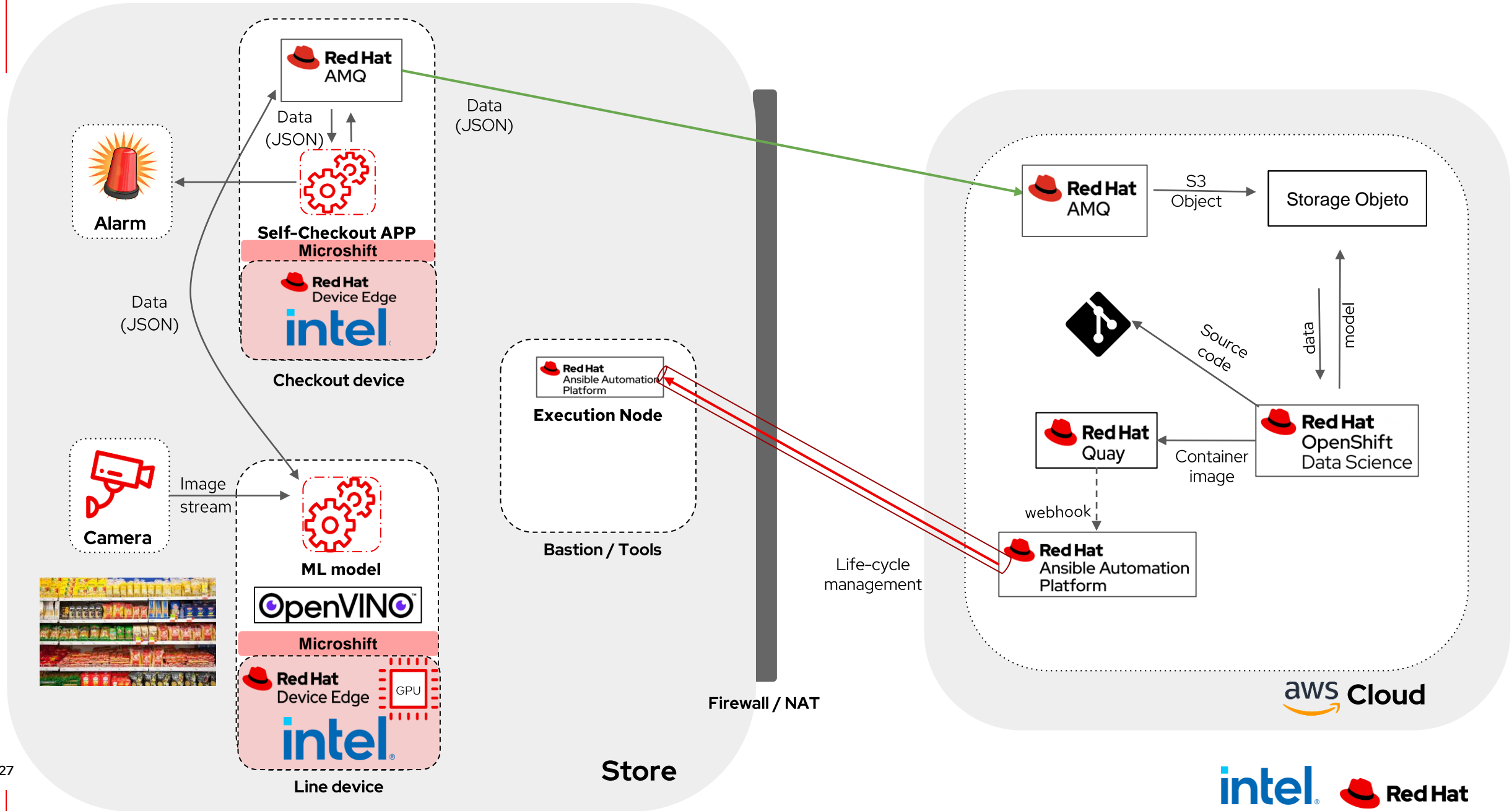
Performance analysis and model improvement

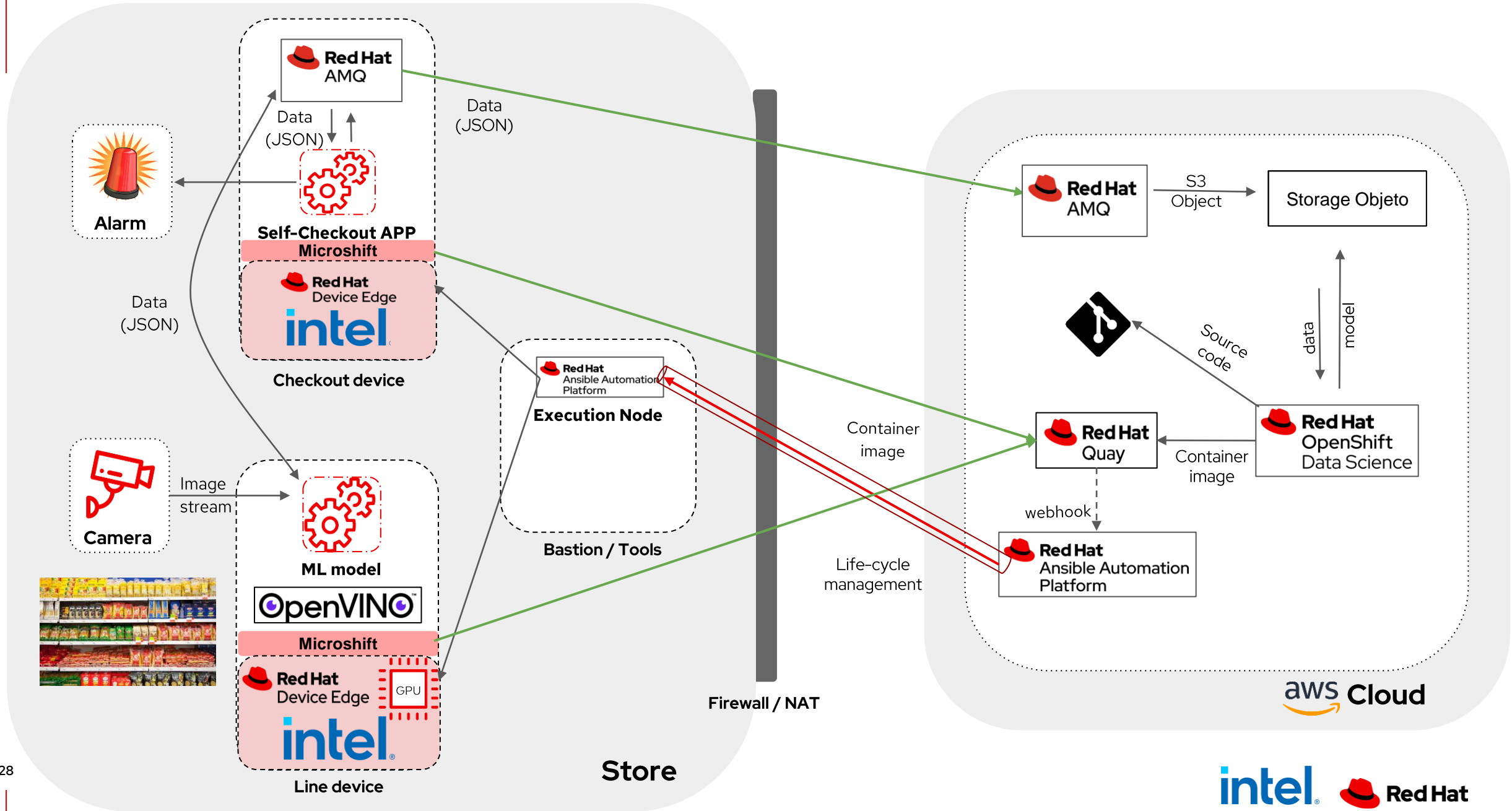


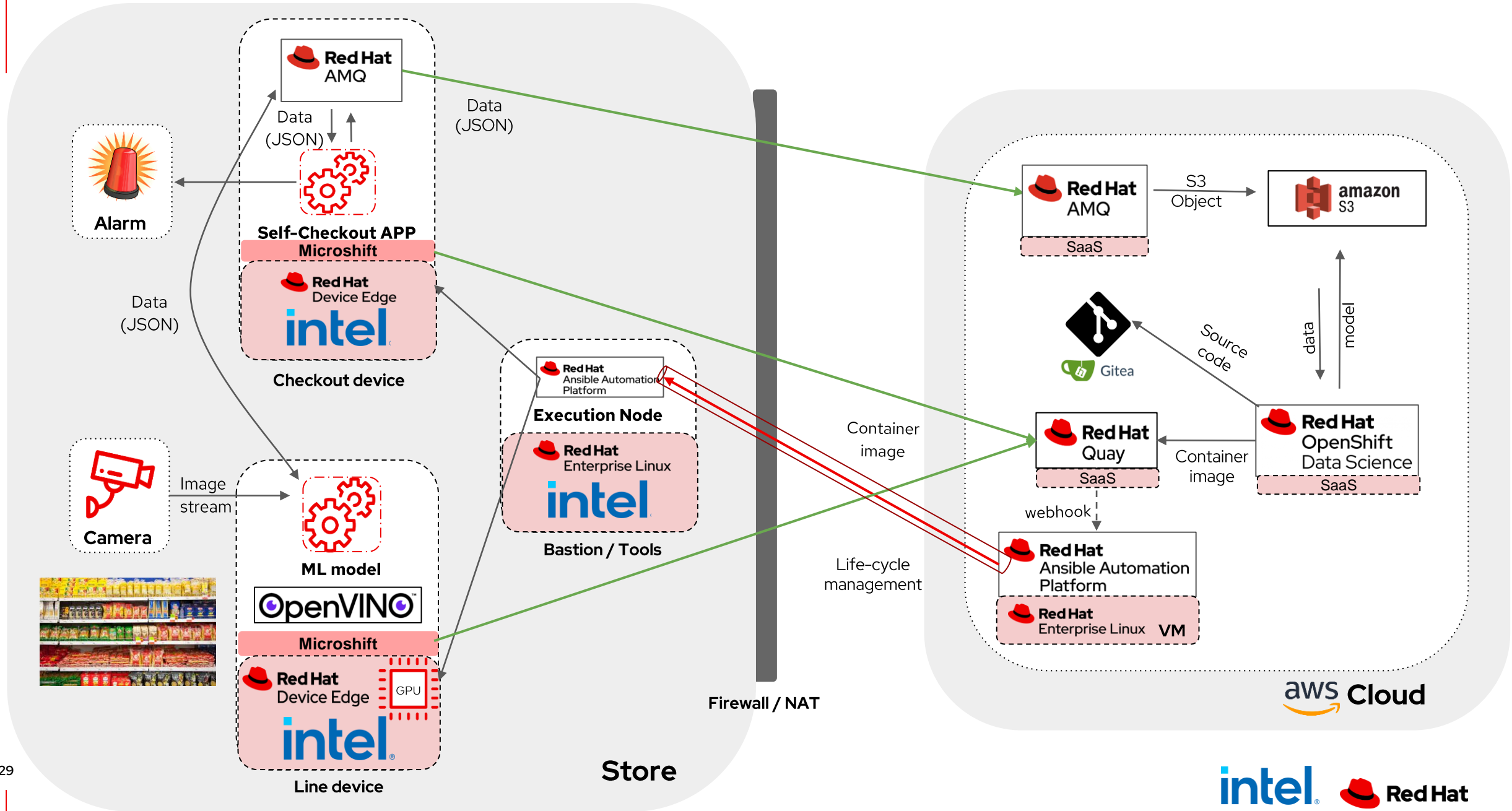












Speed-up ML model development, testing and deployment

Create **comprehensive MLOps** extending to the **edge**

with



Red Hat
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Connect

Thank you



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