



A Tale of 2 Data Science platforms - ODH & RHODS

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Speaker



Audrey Reznik
Sr. Principal Software Engineer

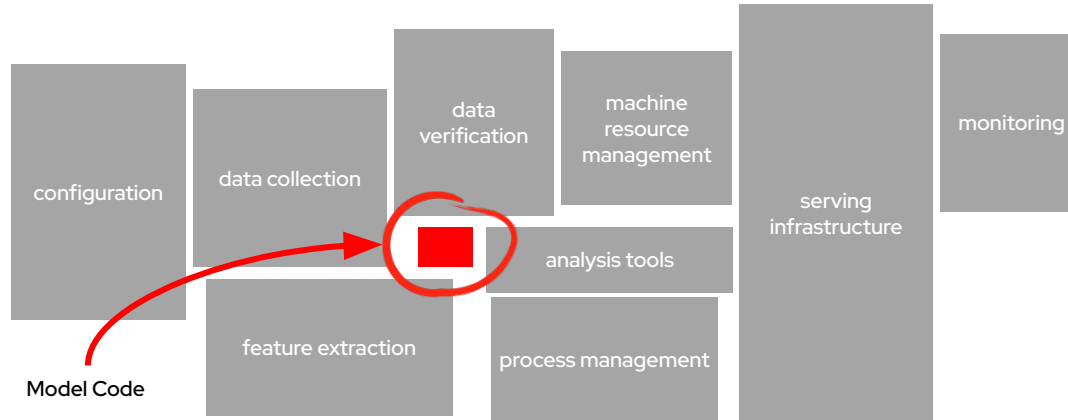
Agenda

- Intelligent Applications
 - Personas involved in developing an Intelligent App
- What is ODH?
 - Where can I find ODH?
 - The end-to-end AI/ML Platform
 - ODH Tools & Components
- What is RHODS?
 - The Red Hat Managed Cloud Platform
 - Red Hat Managed Cloud Services
 - ISV Managed Cloud Services
 - Customer Managed ISV Software
- Red Hat Partner Ecosystem

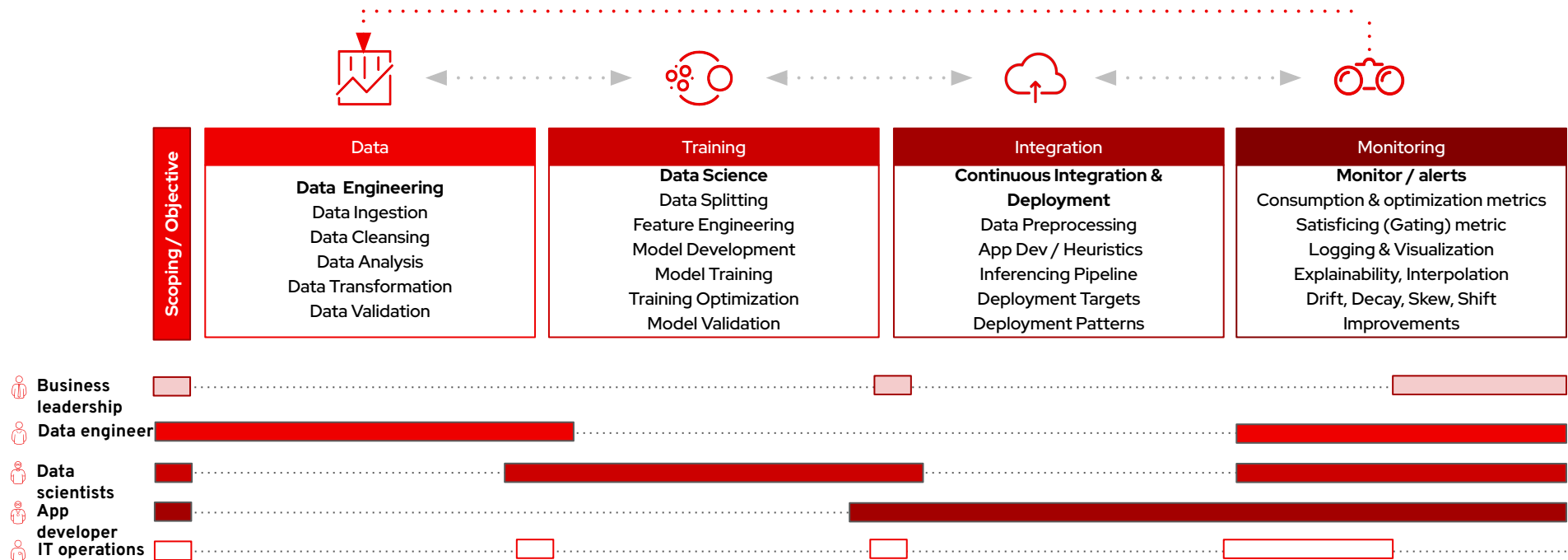
Intelligent Applications

A Model's role in Intelligent Applications

The model is a tiny but essential part ...



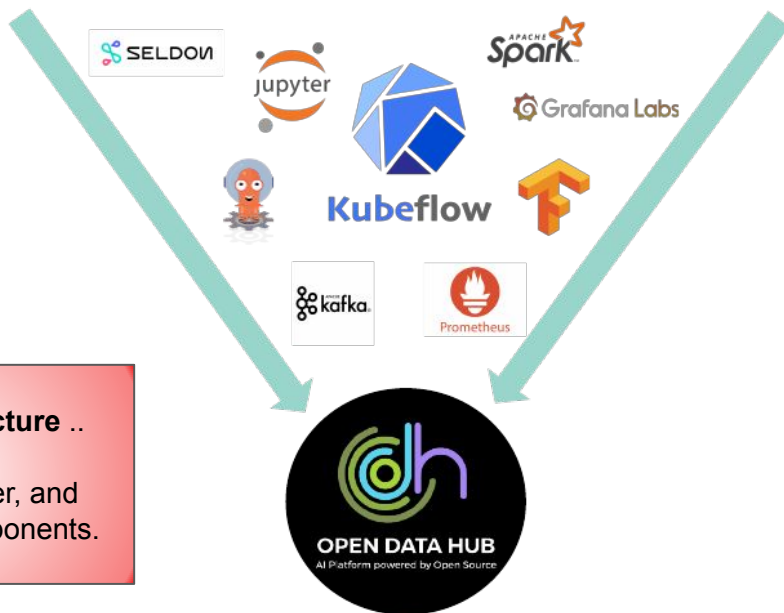
Primary Personas and Tasks across MLOps



ODH

Open Data Hub

Open Data Hub (ODH) is the **Fedora** of Red Hat's AI/ML strategy



Reference architecture ..
can be a mix of
open-source, partner, and
supported RH components.

Platform is
supported ->

Platform

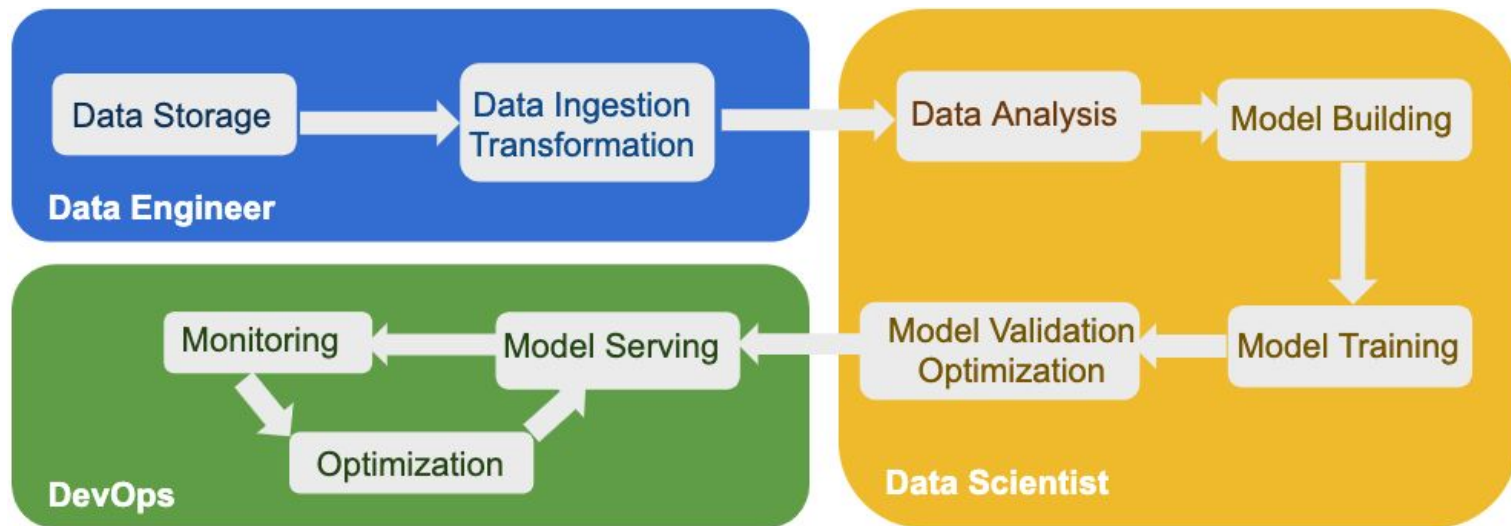


RED HAT®
OPENSIFT
Container Platform

Goals

- Provide an end-to-end AI/ML blueprint on OpenShift
- One stop easy operator deployment for the platform on OCP
- Provide tools for each stage in the MLOps lifecycle
- Provide monitoring tools for model and services used by MLOps
- Provide development tools for Data Scientists
- Provide ETL tools used by Data Engineers
- AI/ML pipelines and long processing tasks

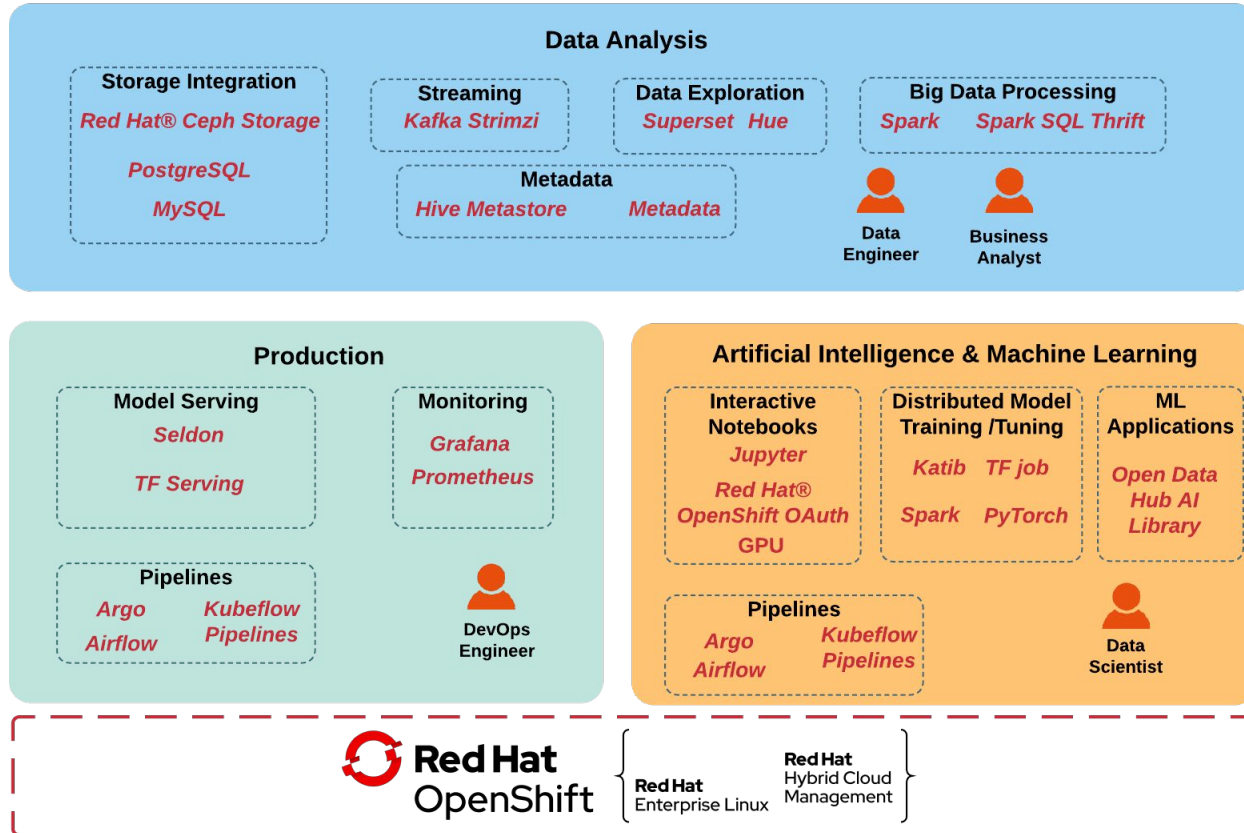
Open Data Hub is an open source community AI/ML platform on Openshift



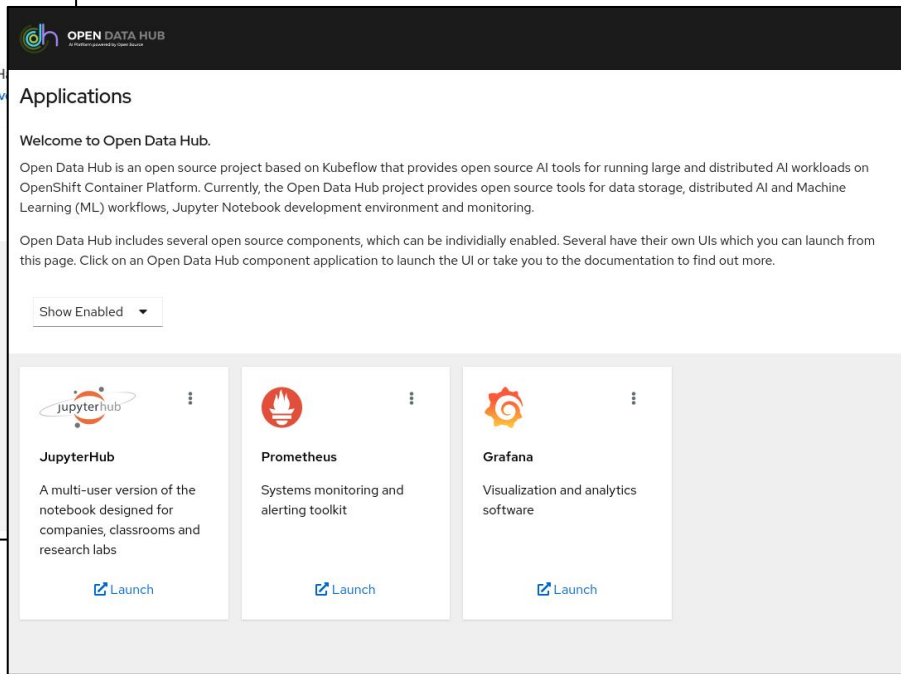
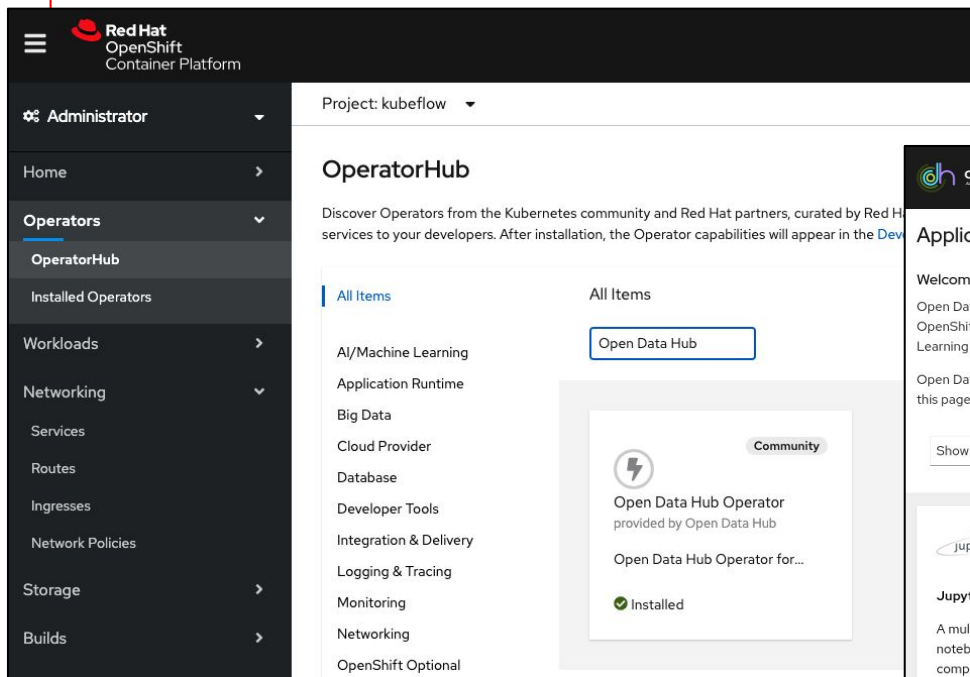


OPEN DATA HUB

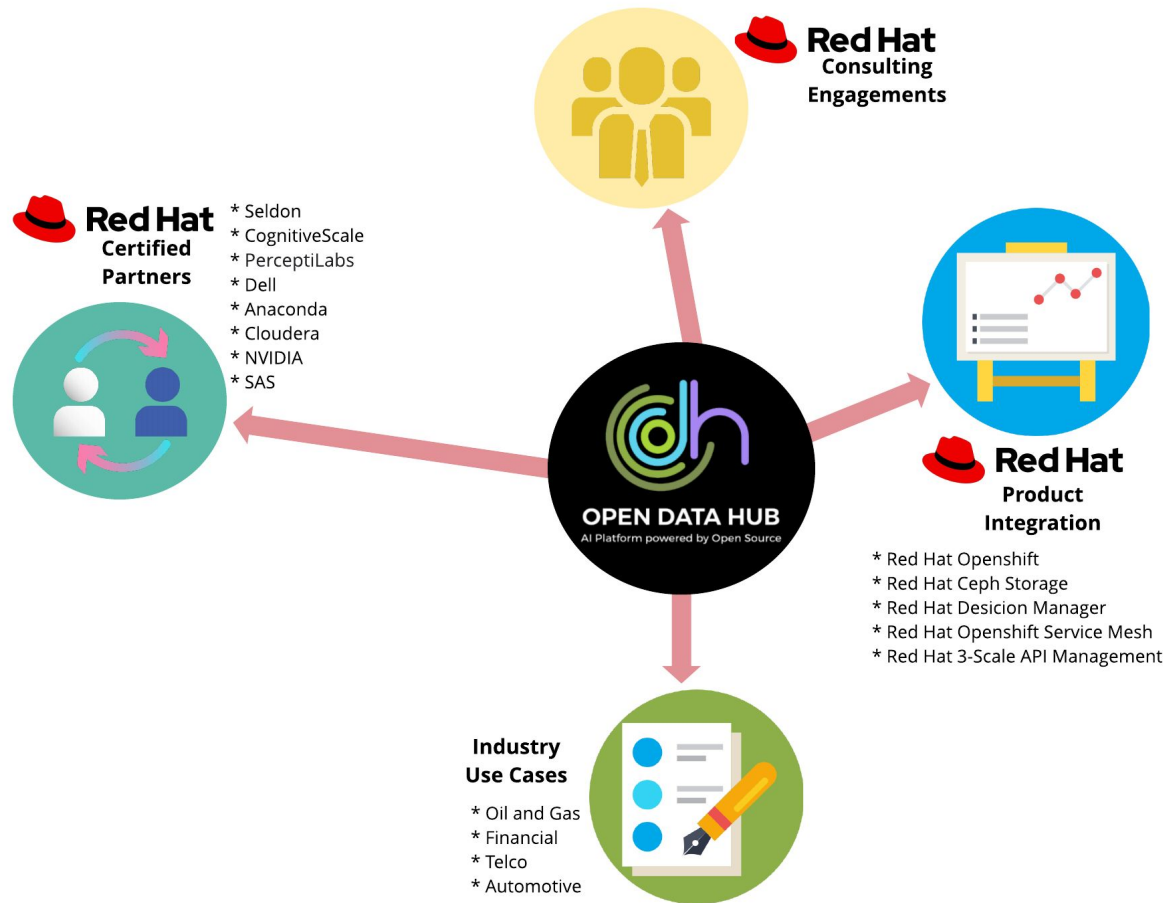
AI Platform powered by Open Source



Open Data Hub is an Operator installed from OpenShift OperatorHub



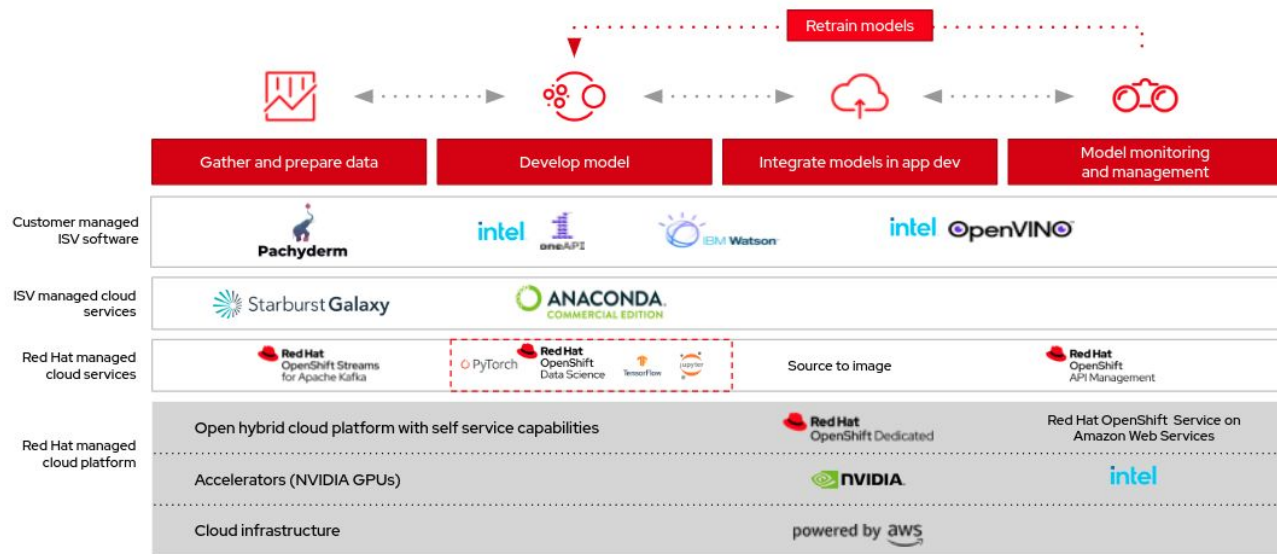
Open Data Hub comes with an ecosystem provided by Red Hat and Certified Partners



RHODS

Red Hat OpenShift Data Science

Red Hat OpenShift Data Science - managed Cloud Service



Accelerate Data Science

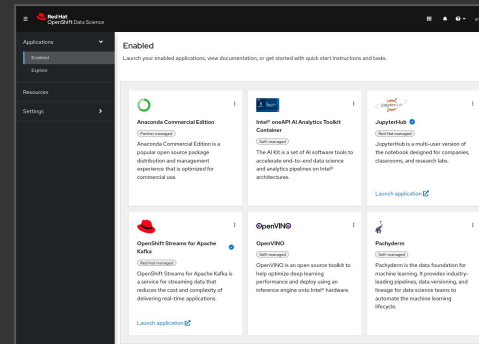
1. Fully managed, efficient cloud service
2. Tested, supported AI/ML tooling
3. Choose your technology partners
4. Operationalize AI/ML models

Try RHODS: <https://developers.redhat.com/products/red-hat-openshift-data-science/overview>

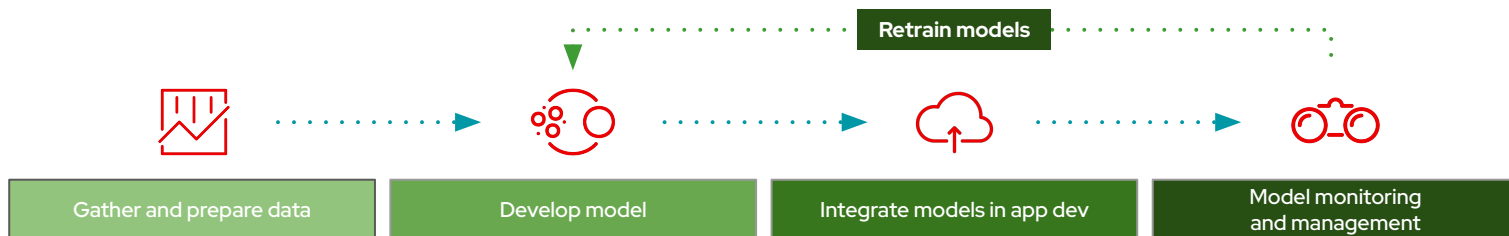


Red Hat OpenShift Data Science

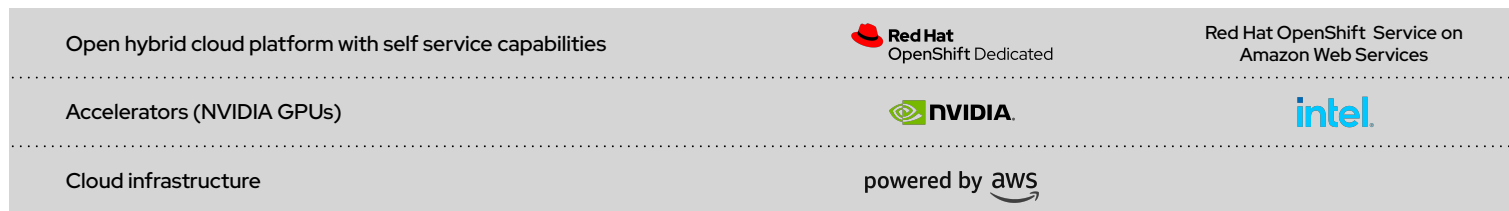
Enabling rapid experimentation and model development on OpenShift allows developers to integrate models into their workflows with fewer obstacles.



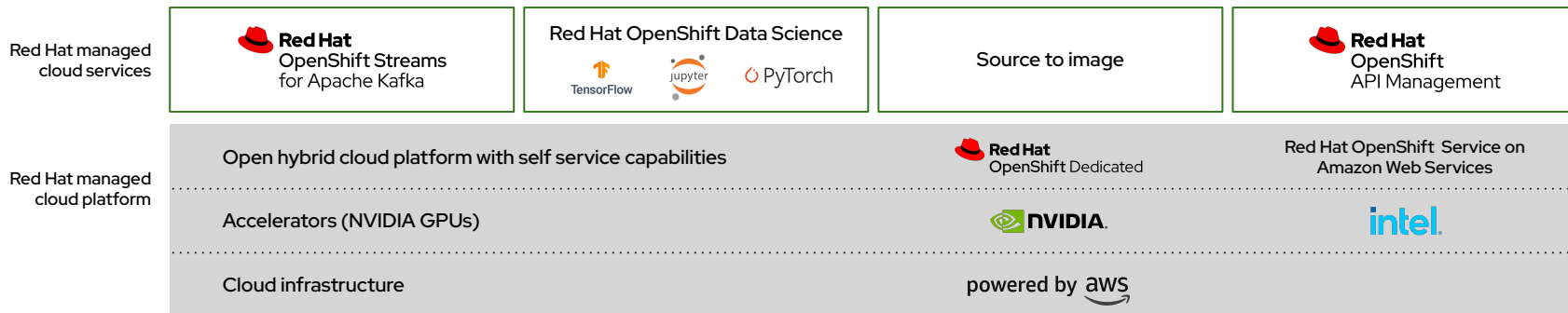
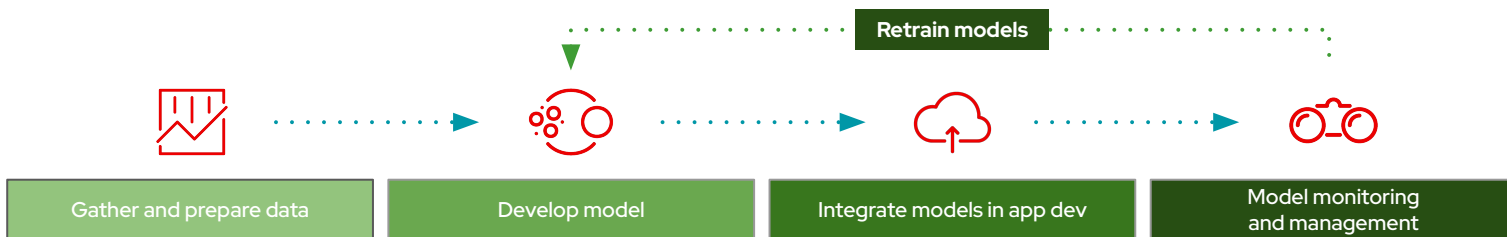
Red Hat Managed Cloud Services



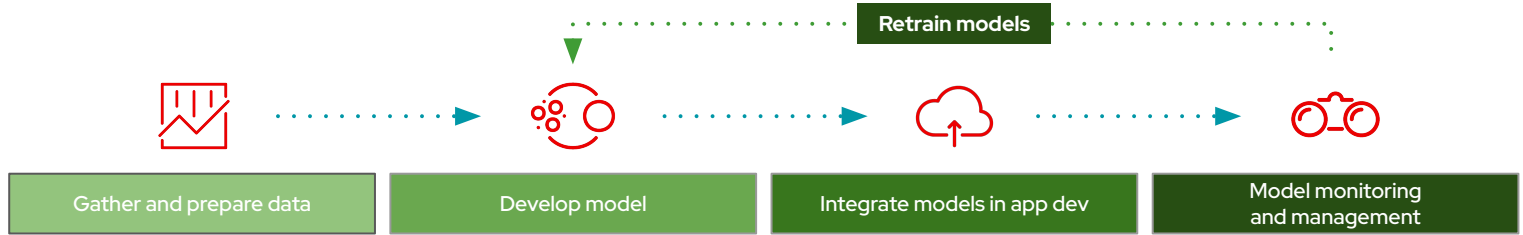
Red Hat managed
cloud platform



Red Hat Managed Cloud Services



Red Hat Managed Cloud Services



ISV managed cloud services



Red Hat managed cloud services



Red Hat OpenShift Data Science



Source to image



Red Hat managed cloud platform

Open hybrid cloud platform with self service capabilities

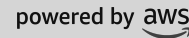


Red Hat OpenShift Service on Amazon Web Services

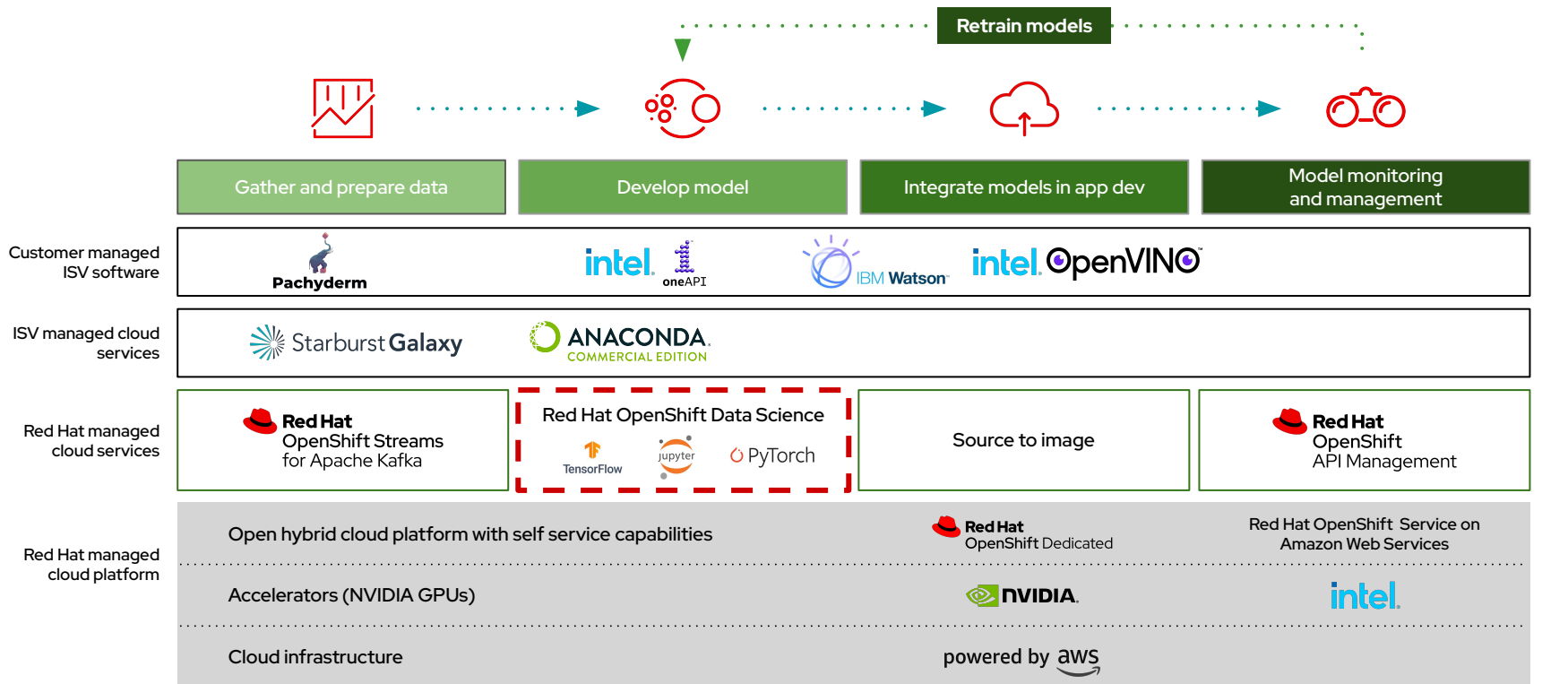
Accelerators (NVIDIA GPUs)



Cloud infrastructure



Red Hat Managed Cloud Services & our Partner Ecosystem



Red Hat's Partner Ecosystem

AI/ML life cycle



Data governance & security



Data processing



Data analytics



Databases



AI Ops



Infrastructure partners



Hardware acceleration



Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.



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RHODS Public Sandbox: <https://developers.redhat.com/products/red-hat-openshift-data-science>

RHODS Internal Sandbox: <https://red.ht/rhods-internal>

