

Data Science Model Lifecycle Explained

NVIDIA GTC 2021

Moderator: Diane Mueller - Director, Community Development (Red Hat)

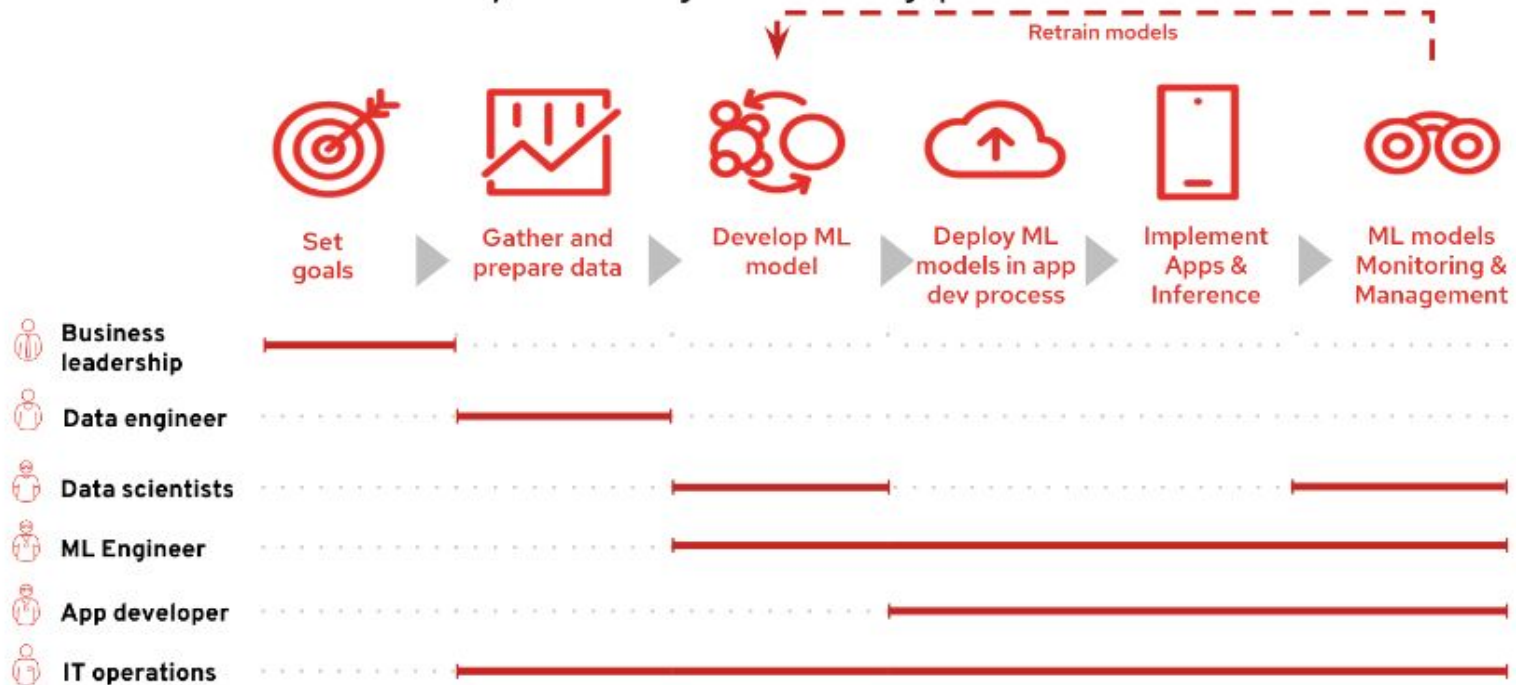
Hema Veeradhi - Senior Software Engineer, Office of the CTO (Red Hat)

Isabel Zimmerman - Software Engineer, Office of the CTO (Red Hat)

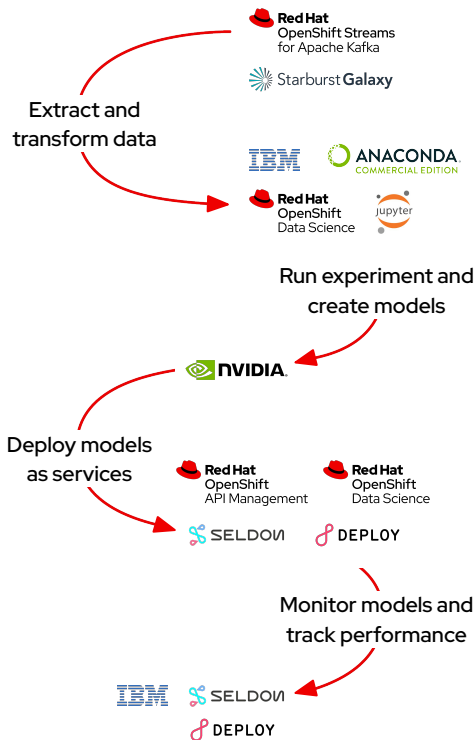
Oindrilla Chatterjee - Data Scientist, Office of the CTO (Red Hat)

Selbi Nuryyeva - Software Engineer, AI Services (Red Hat)

AI/ML lifecycle and key personas



Supporting the model (operationalization) life cycle



Extract & Transform the Data - Starburst Galaxy

Unlock the value of your data by making it fast and easy to access data across hybrid cloud.

Create models - Anaconda Commercial Edition

Curated access to an extensive set of data science packages to be used in your Jupyter projects.

Run experiments - IBM Watson Studio

Build, run, and manage AI models at scale with Watson Machine Learning and Watson OpenScale.

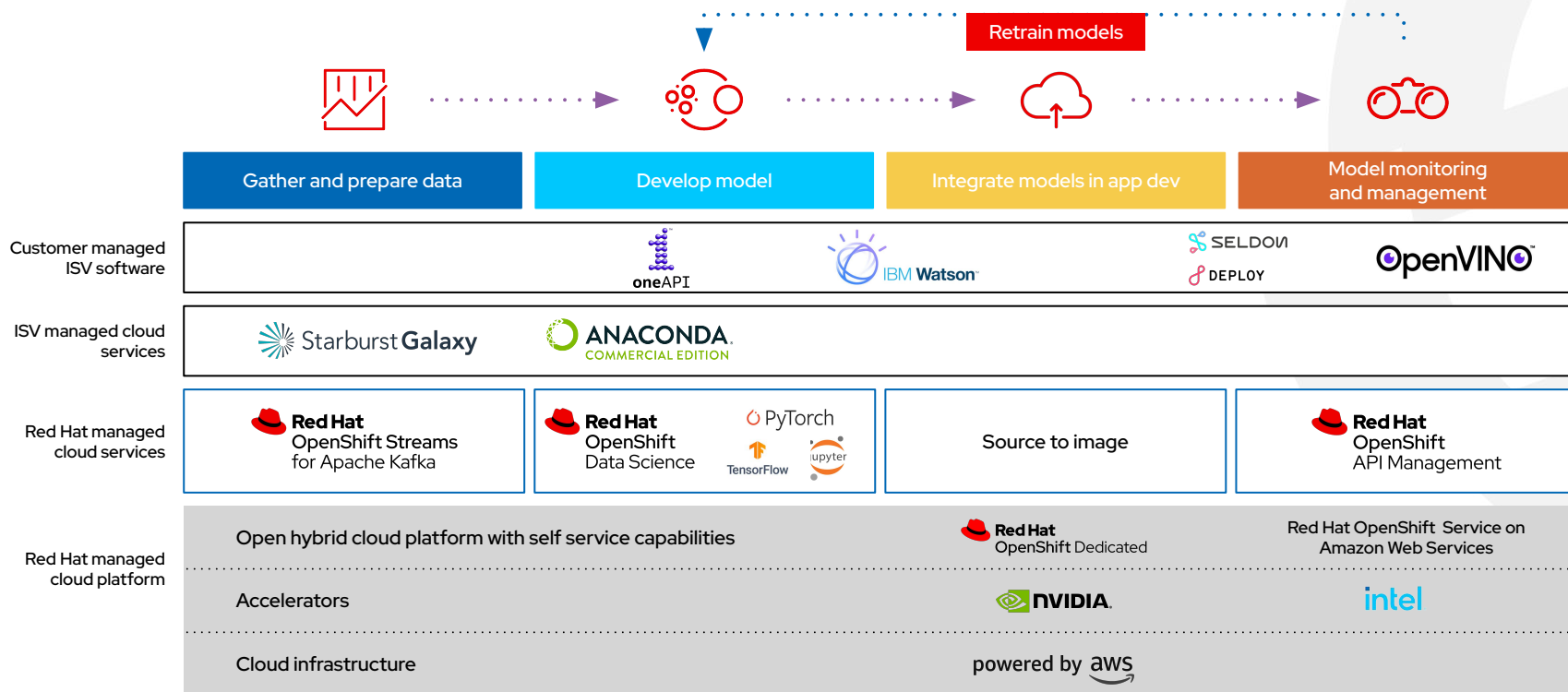
Deploy models as services - Seldon Deploy

Simplify and accelerate the process of deploying and managing your machine learning models.

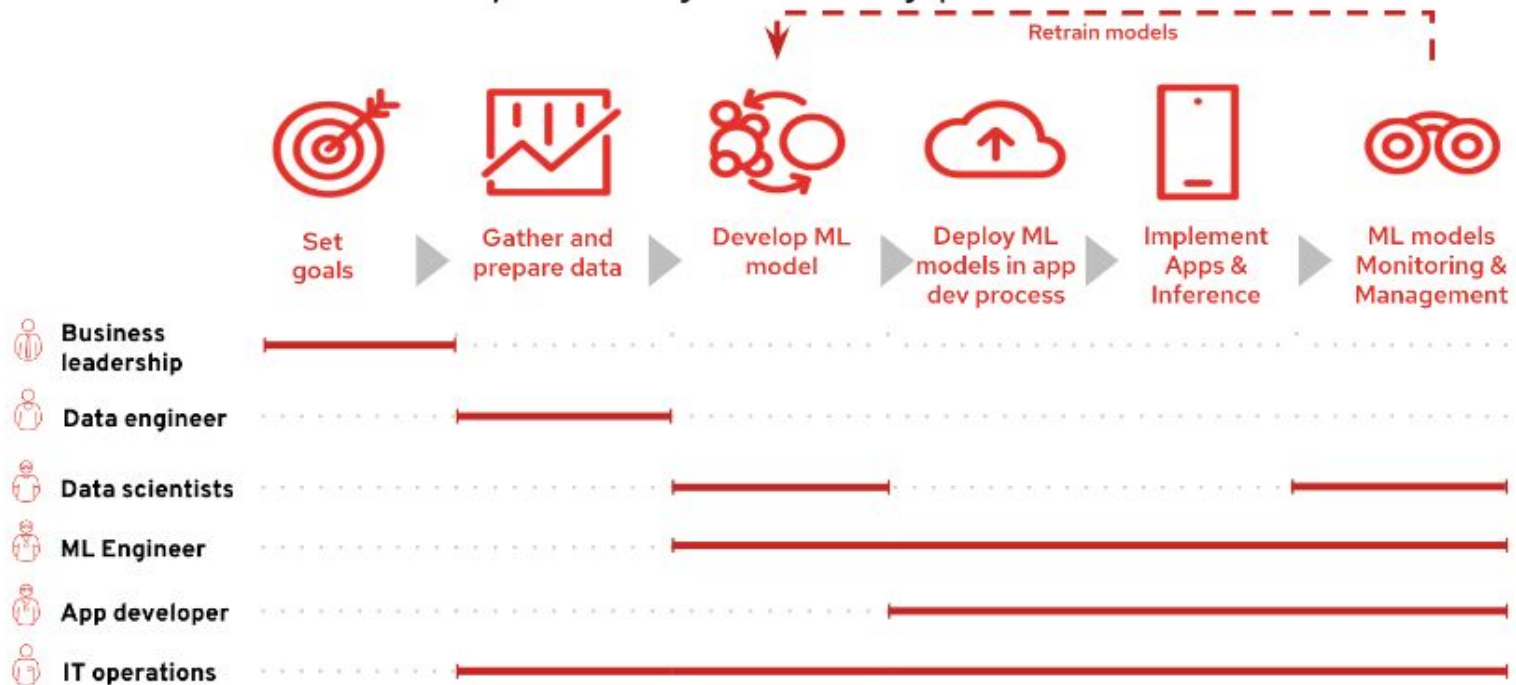
Monitor models & track performance - Seldon Deploy

Monitor model performance and gleam meaningful analytics from the model

Red Hat Managed Cloud Services



AI/ML lifecycle and key personas



Data Engineering



Get and store
the data

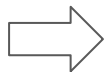


trino

Data Engineering



Get and store
the data



Filter the data

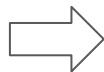


trino

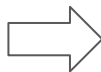
Data Engineering



Get and store
the data



Filter the data



Enrich the data

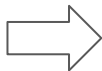


trino

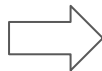
Data Engineering



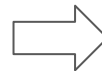
Get and store
the data



Filter the data



Enrich the data



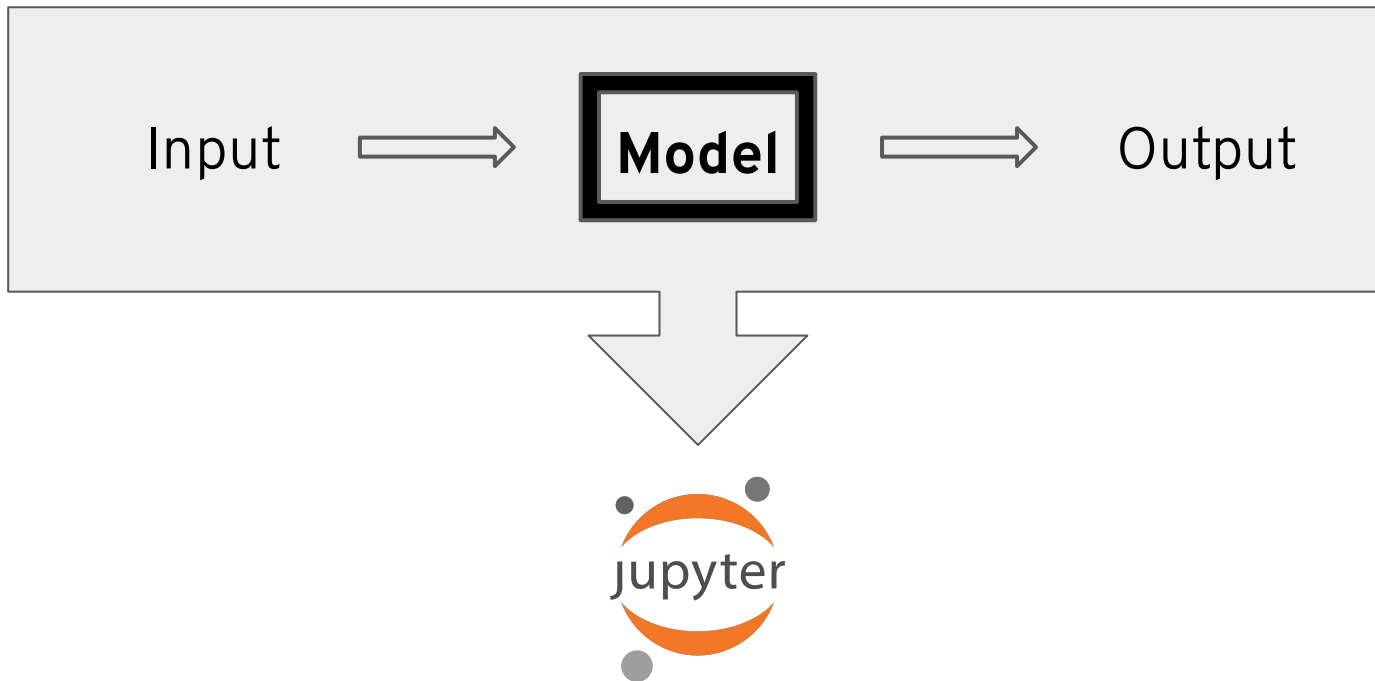
Find Insights and Visualize



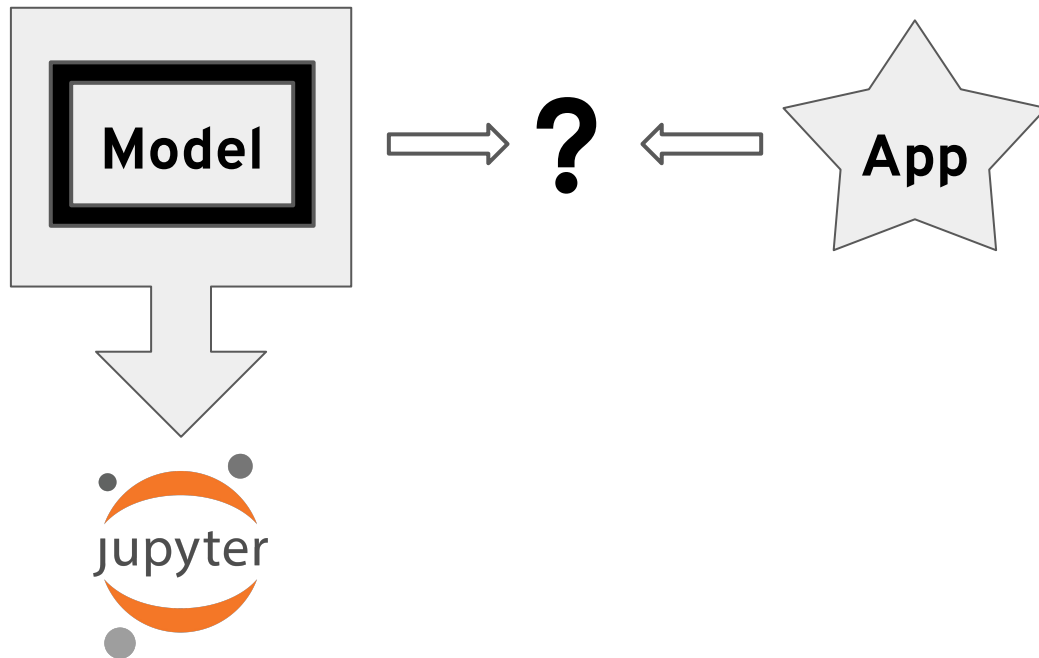
trino



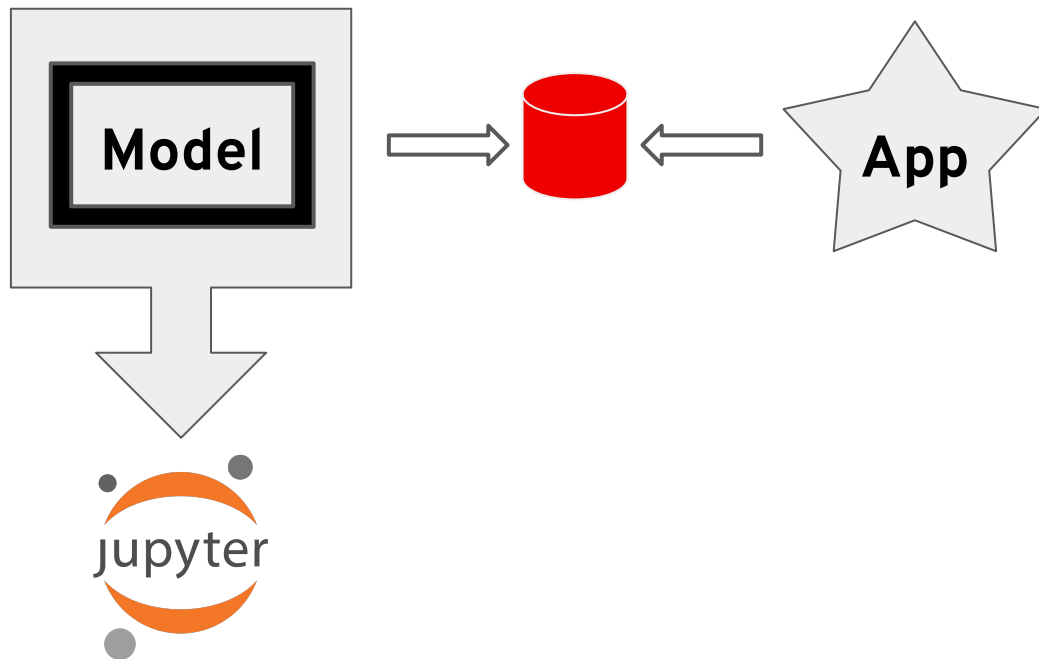
Model serving



Model serving



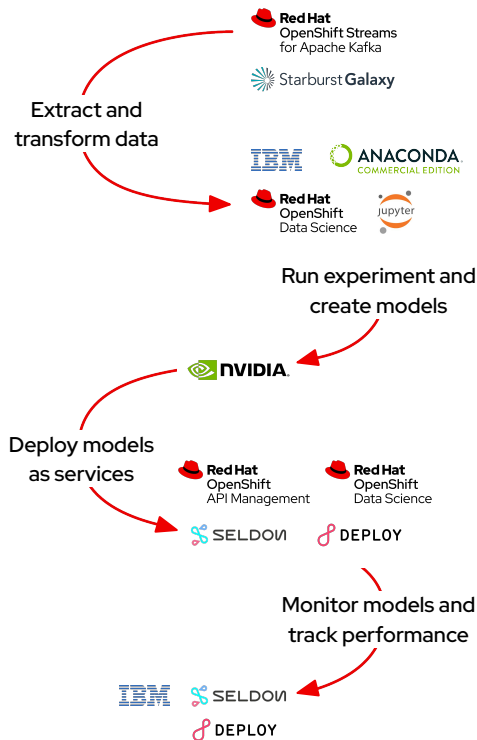
Model serving



DEMO

OpenShift Commons @ NVIDIA GTC 2021 Fall

Supporting the model (operationalization) life cycle



Extract & Transform the Data - Starburst Galaxy

Unlock the value of your data by making it fast and easy to access data across hybrid cloud.

Create models - Anaconda Commercial Edition

Curated access to an extensive set of data science packages to be used in your Jupyter projects.

Run experiments - IBM Watson Studio

Build, run, and manage AI models at scale with Watson Machine Learning and Watson OpenScale.

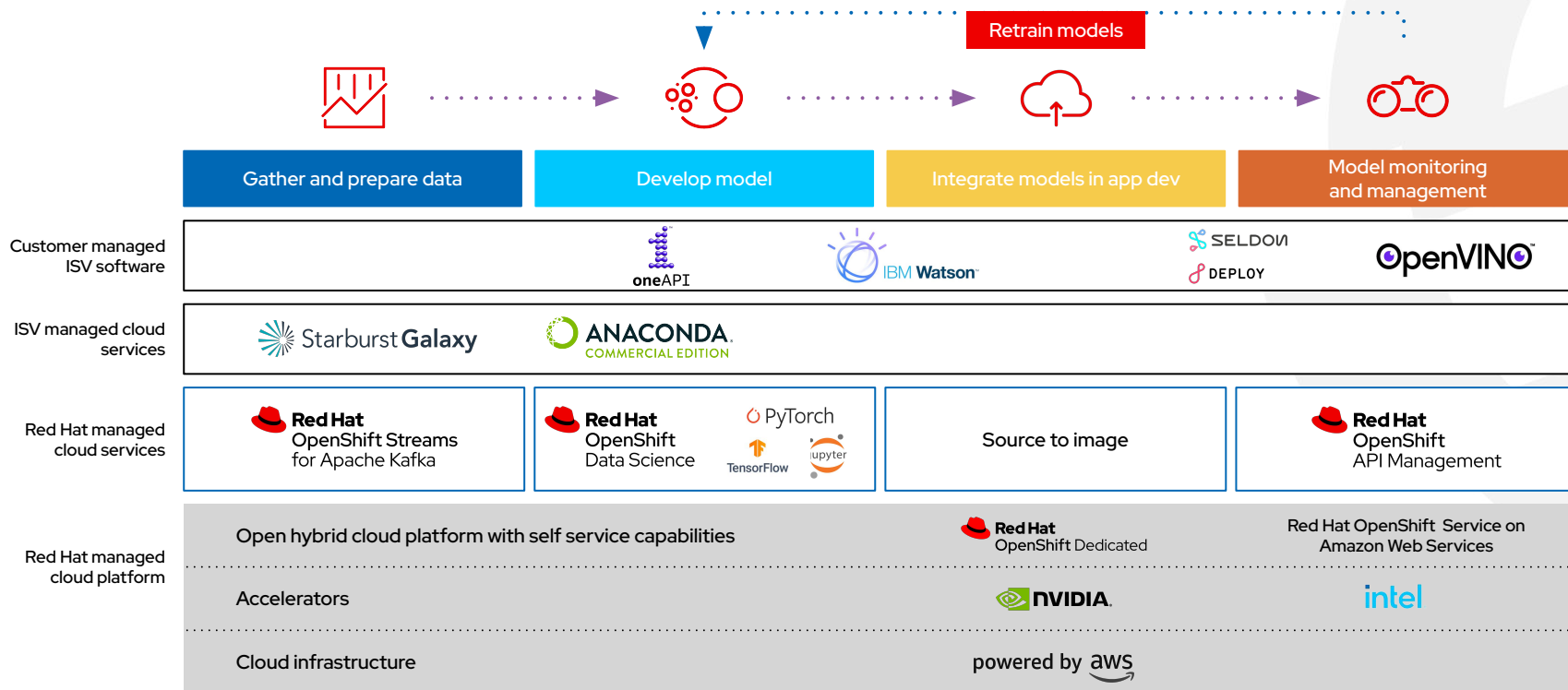
Deploy models as services - Seldon Deploy

Simplify and accelerate the process of deploying and managing your machine learning models.

Monitor models & track performance - Seldon Deploy

Monitor model performance and gleam meaningful analytics from the model

Red Hat Managed Cloud Services



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.



linkedin.com/company/red-hat



youtube.com/user/RedHatVideos



facebook.com/redhatinc



twitter.com/RedHat



Red Hat