Speed Date w/ OpenShift

AI/ML workloads on an Enterprise Container Platform

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@dudashtweets

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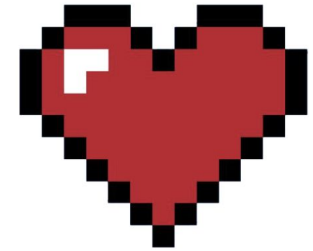

Hi.

Today you are going to go on a speed date with OpenShift and get a quick look at some benefits for data scientists and engineers

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What is Red Hat OpenShift?

experience of a public cloud with the freedom to deploy on any infrastructure

Enterprise Kubernetes

Run apps and services in containers.
Automated deployments and scaling.

DevOps / Pipelines

Repeatable process to build, test, deliver with traceability and automation

Security / Trust / Standards

Adherence to standards, trusted base containers, policy and compliance, CVE tracking, automation around security

Application Services / Developer Services

Necessary components to turn code, say an image processing algorithm, into a production system. e.g. authentication, data streaming, integration and transformation services, cloud-native runtimes

Build fast. Ship first. Deploy everywhere. Find out more: https://www.openshift.com/

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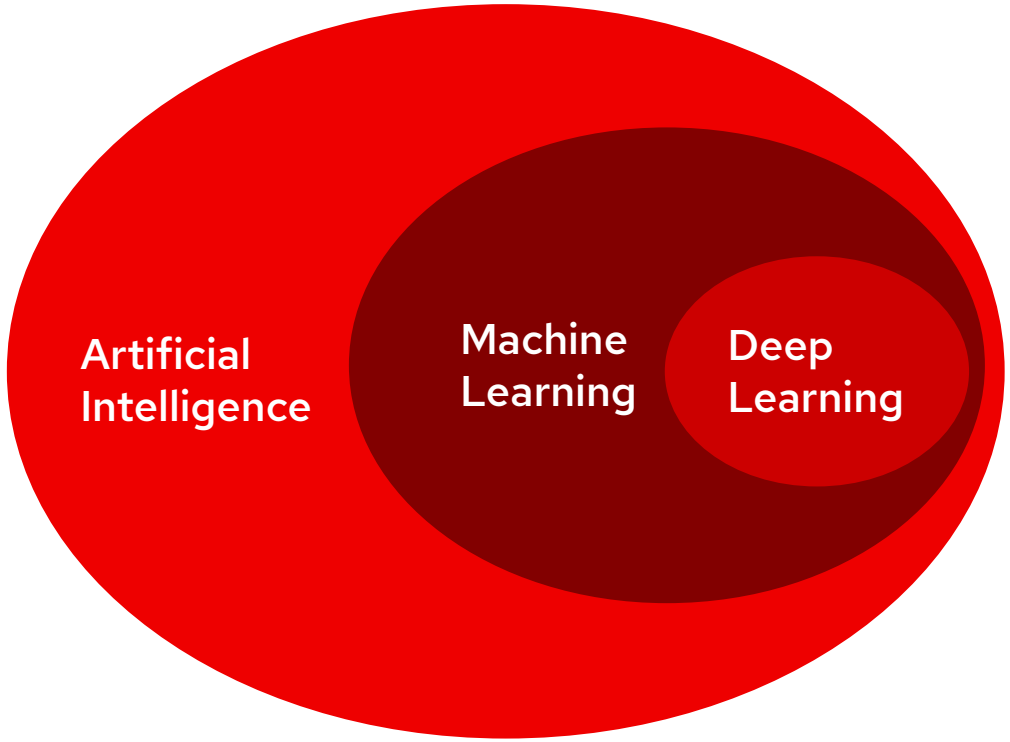

And it can be a foundation for data science

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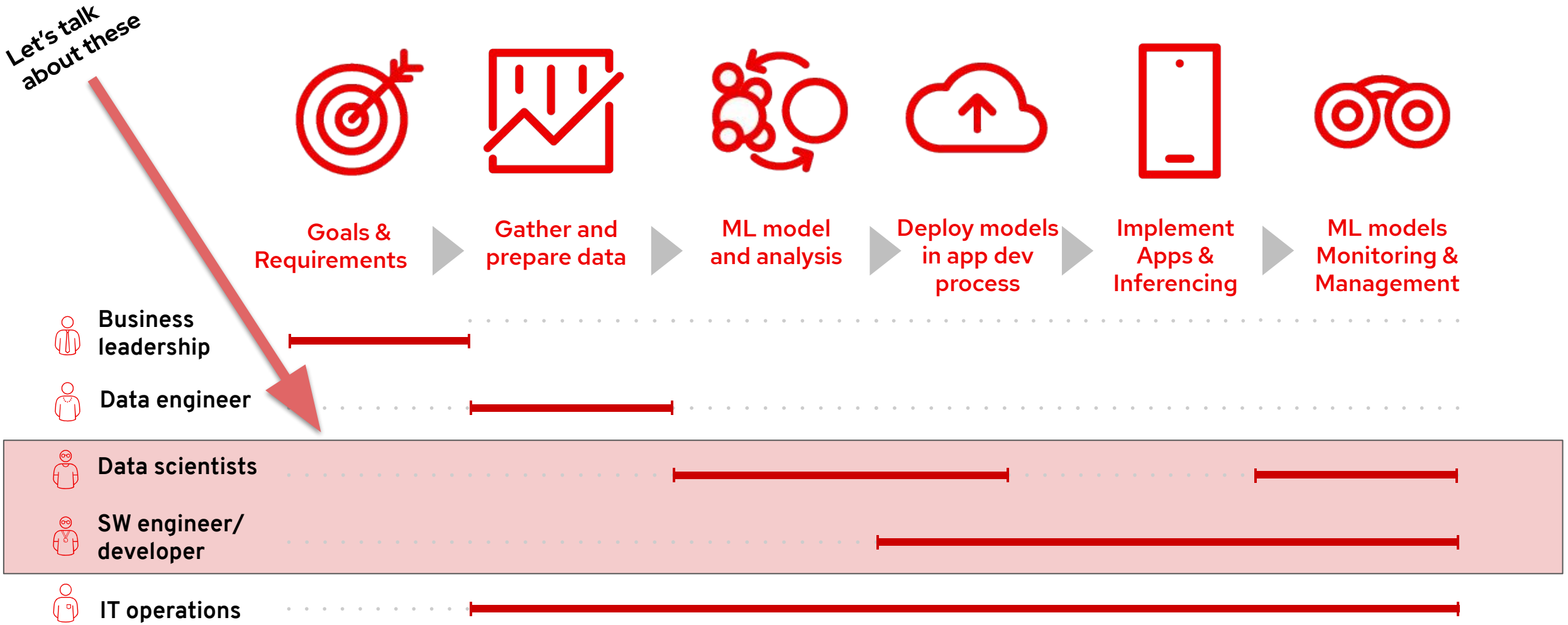
Typical Lifecycle and Responsibilities



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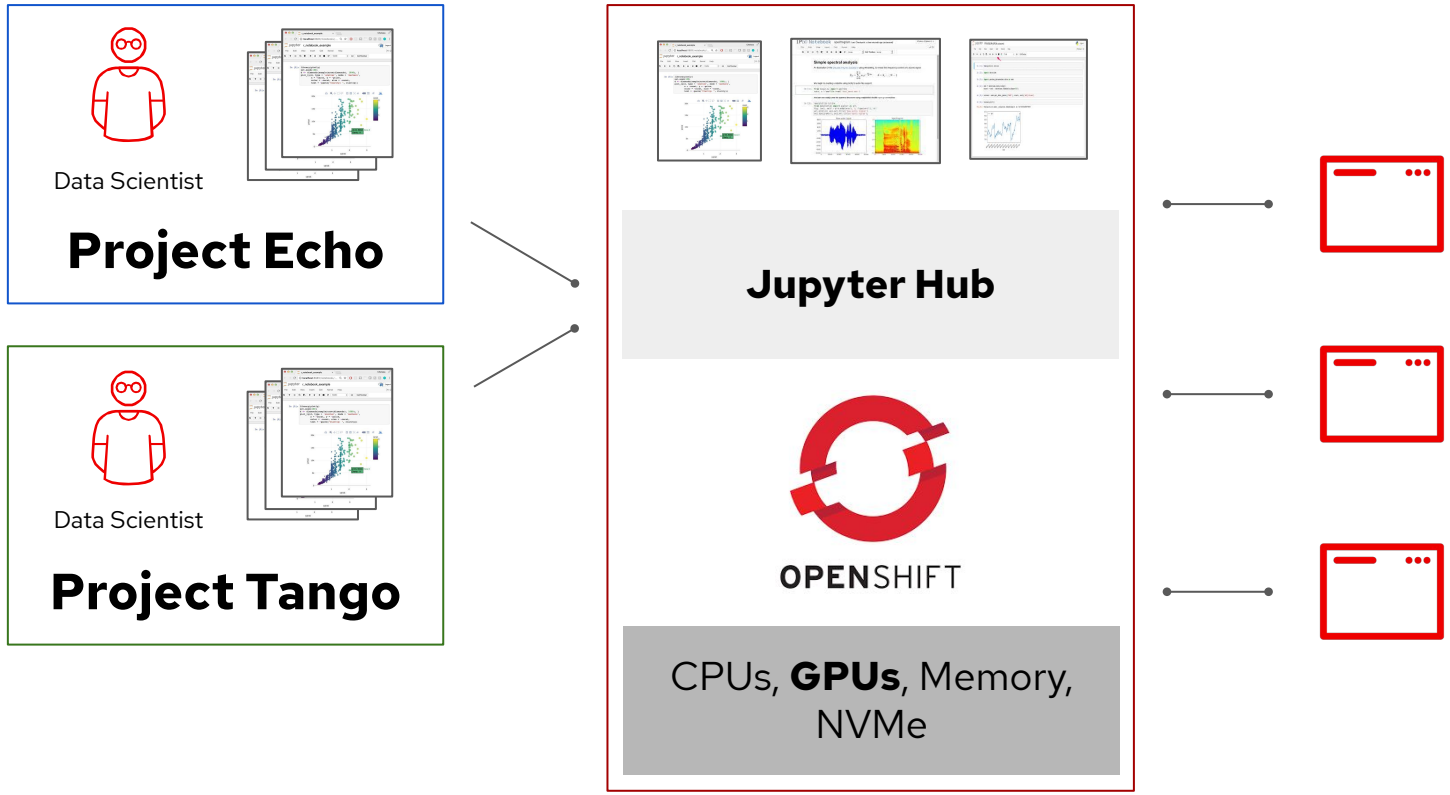
Jupyter Notebook Demo

Jupyter-Notebook-as-a-Service

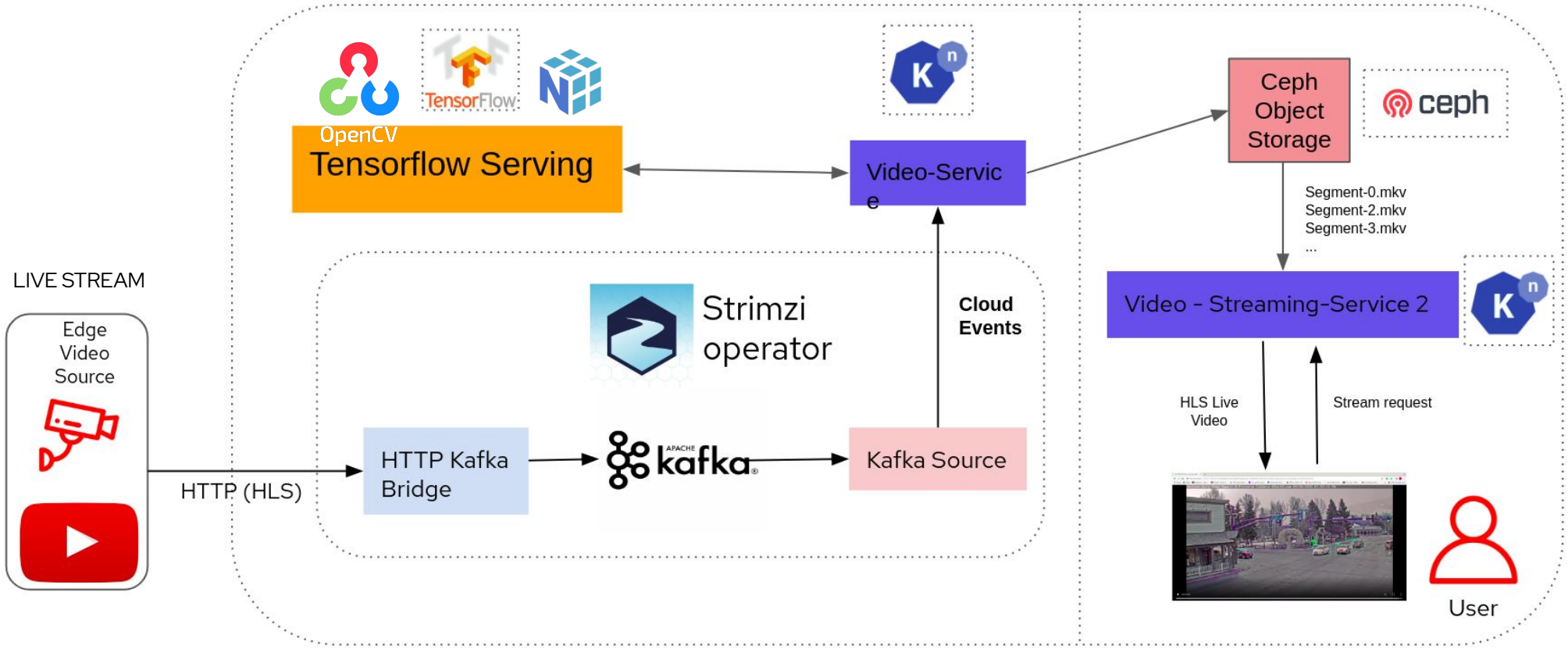


- Identity and RBAC
- Project isolation (data, networks)
- Sharing of resources with protection
- Resource isolation
- Resource quotas
- Priority and pre-emption

See a demo here: https://youtu.be/9AZHUniDLpY
And here: https://youtu.be/IFLEEEj1DeY?t=1540

Image Processing Demo

Video Analytics with Kafka and KNative



Try it yourself: https://github.com/redhat-iot/2020Summit-IoT-Streaming-Demo

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Open source software

Red Hat is a bridge between innovation and stability

Innovation

Stability

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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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https://www.openshift.com/learn/topics/ai-ml

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