

Atos Breakout session
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ML Ops with Kubeflow

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Abstract:

Creating a Machine Learning model is just a starting point. To bring it into production, you need to solve various real-world issues, such as building a pipeline for continuous training, automated validation of the model, scalable serving infrastructure, and supporting multiple environments in increasingly common hybrid and multi-cloud setups.

The Google Cloud AI platform product team is developing solutions to tackle this challenge. As part of the Atos Google Enhanced Alliance we have been co-innovating with this product team. Atos and Google Cloud jointly presented the results of this work at Google Next 2019 in San Francisco. We now offer to share this with the AI Expert community. Showing how these products can benefit our AI projects, and how they can be integrated in our AI product & services strategy.

In this session, we will learn the concept of "ML Ops" (DevOps for ML) and how to leverage various Google initiatives, in particular Kubeflow Pipelines to build and maintain production quality ML systems.

As you will see, Kubeflow Pipelines, especially when used in hybrid architecture like what we are used to in Atos, is a game changing solution for AI projects. Not only it facilitates fast iterations during development steps, without putting extra pressure or significant additional workload on the Data Science teams, but it also makes it easy to deploy code from development to production while at the same time, allowing you to scale your architecture to the optimal cost efficiency point suited to the project. "Write Once – Run Everywhere – Efficiency at all project stages"

Presenters:

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