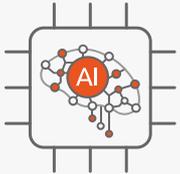


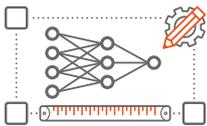
MLOps advisory

Start your AI/ML journey now with Canonical



From retail to energy, from utilities to manufacturing, AI/ML initiatives fulfil a variety of use cases that have different requirements and needs. While sometimes getting started is the most difficult part, many enterprises report challenges when it comes to project complexity. Let's join forces and see how we can ship your machine-learning models to production.

Canonical offers five types of MLOps advisory services that are designed to help you benefit from your AI/ML initiatives



Data exploration workshop

Get to know your data better and learn about possible use cases based on a data sample that you share with us.



Kubeflow training

Learn more about our MLOps tool of choice: from features to customisation options, from deployment to admin tasks.



MLOps workshop

Discover infrastructure options, MLOps processes and tools to make informed decisions about your stack.

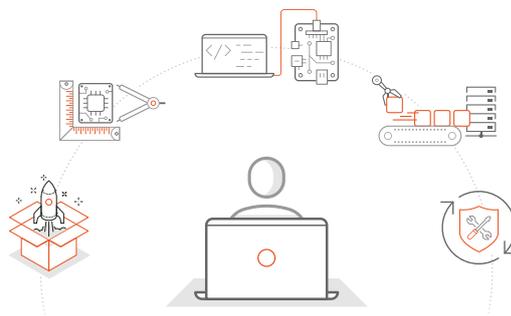


Outcome-based PoC

Work with us to build a PoC before investing in infrastructure for advanced use-cases. This allows you to assess your return on investment carefully.

E2E consulting

Have an expert from our team by your side during the entire AI/ML project and let them drive it.





Learn more about Canonical's MLOps offering

	Data exploration workshop	MLOps Workshop	Outcome based PoC	E2E consulting
Expected outcome	<ul style="list-style-type: none"> Data quality assessment MLOps architecture proposal Data collection improvements proposal 	<ul style="list-style-type: none"> 5-day, on-site workshop for up to 10 participants Architecture building based on customer's use case MLOps architecture proposal <p>More information provided below</p>	<ul style="list-style-type: none"> MLOps architecture for the agreed use case MLOps knowledge and best practices from a domain expert Infrastructure optimisation proposal 	<ul style="list-style-type: none"> Dedicated data solution architect Dedicated Technical Account Manager, as described here.
Deliverables	<ul style="list-style-type: none"> Hands-on session with a domain expert (2-4h) Ad-hoc question for the next 3 business days Written business case definition Exploratory data analysis (EDA) using provided data samples Outcome presentation and Q&A session 	<ul style="list-style-type: none"> High-Level Design and Low-Level Design of an MLOps setup Lifetime access to a library of MLOps resources and hands-on exercises Q&A session 	<ul style="list-style-type: none"> PoC covering a single use case PoC based on customer data and infrastructure or on public cloud 	<ul style="list-style-type: none"> Milestones and deliverables agreed beforehand in the statement of the work.
Best fit enterprise	<ul style="list-style-type: none"> Wants to assess possibilities for using AI/ML Gather data, but lack knowledge on how to set up efficient data collection Need an external quality assessment for an existing solution 	<ul style="list-style-type: none"> Looking to understand state-of-the-art MLOps solutions based on the enterprise's use cases Needs assistance for hands-on exercises 	<ul style="list-style-type: none"> Struggle with project complexity Aware of the AI/ML opportunities Have collected enough data to develop and deploy ML models 	<ul style="list-style-type: none"> Looking for support through the entire process, from use case exploration to production scaling Are in need for experts who can temporarily be assigned to their teams
Out of scope	Implementation of any model or PoCs based on exploration result	Implementation of production-ready MLOps pipelines	PoC is not committed to delivering a model metric (eg: Accuracy, F1 score)	
Pricing	\$ 15,000	\$ 30,000	\$ 3,000/ day	Contact us

MLOps workshop

Day 1: Introduction to MLOps

Get started with MLOps, learning the theoretical concepts and how they fit within your company. During the first day, you will get knowledge about machine learning, different data types, roles and responsibilities in ML projects and how to assess their maturity level.

By the end of the day, participants will have a good grasp of various MLOps tools and platforms, coming from the open-source landscape. They will be able to map them against use cases and take constraints, dependencies and development opportunities into account.

Day 2: MLOps architectures

During the day, your team will become familiar with MLOps architecture, such as batch and streaming, and get to know what the deciding factors are when choosing one. This will allow participants to gather knowledge about ML operations and recommended tools to achieve your team's goals.

By the end of the day, participants are expected to better understand how to obtain price-performance optimisation, starting with the infrastructure layer. It will include a wide presentation about Charmed Kubeflow: from deployment to production.

Day 3: A hands-on exercise

During the third day, participants gain hands-on experience, using an example dataset. Our MLOps experts will guide the team through the process, so that everyone is able to automate their own use case using a common MLOps platform. It is a joint effort, where participants analyse the dataset, train models, host them and learn more about packaging requirements.

By the end of the day, the audience will have an end-to-end experience using Canonical's tooling for MLOps, integrated with other open-source products. It will give them a deeper understanding of the state of deep learning and how they can use it further.

Day 4: MLOps Becoming a pro

MLOps is more than fun coding. Learning about best practices ensures reliability and success in shipping models to production. On the fourth day, our experts will walk the participants through security and privacy concerns, testing frameworks and model vulnerabilities.

By the end of the day, the audience will know how to securely approach an AI/ML project, in order to stay compliant. Debunking some myths about machine learning is our purpose on this day.

Day 5: MLOps at your choice

This is a summary of the learnings from the previous days; participants use their own project data and infrastructure. Its purpose is to show immediate business value within the organisation and unblock AI/ML initiatives.

By the end of the day, the audience will have a seed to develop their AI/ML project of choice. Our experts will provide further guidance on how to develop it, ensuring that the project follows best practices and can achieve the best possible results.

Read more about [how to get started with AI](#) and [Charmed Kubeflow](#)

[Contact us](#) to talk to an expert or direct all at
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