

3 Days of DevOps in 1 Day: From Local to Production

A new application

Toni Petrina

Lead SRE

Visma e-conomic

SDD Conf 2024, London

Web application (API only)

Let's build and deploy .NET API to kubernetes.

Creating a new app

- `dotnet new webapi`
- `dotnet run`

Works on my machine™

- We are happy it works as expected
- Let's get it running in production

Production deployment

- Production build
- Packaging
- Containerization

Containerization

- Written as a Dockerfile
- Built-in

Publishing

- Container registry
- We will use local registry

Developer experience (DX, DevX, DevEx)

- How do we consistently run the app "similar" to the production setup
- Dependencies

Tasks overview

- Create an app
- Run locally
- Package it and deploy to kubernetes

Let's go!

(workshop time)