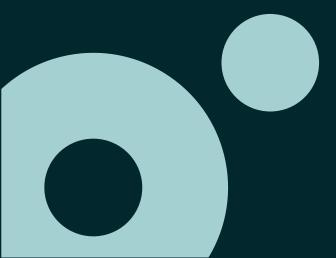
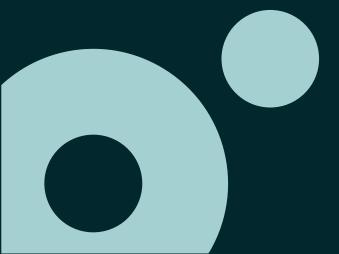
Containers & Kubernetes Session #10



moOnėγ. | Mini Project

MoOngy 2021



Todo App Mini Project



Todo App

- Codebase: <u>tasb/todo-app (github.com)</u>
- Goals
- Create Dockerfiles for webapp and api
- Push to Docker hub
- Create Kubernetes Manifests
 - Deployments
 - Services
 - PersistentVolume and PersistentVolumeClaim
 - ConfigMaps and Secrets



Todo WebApp

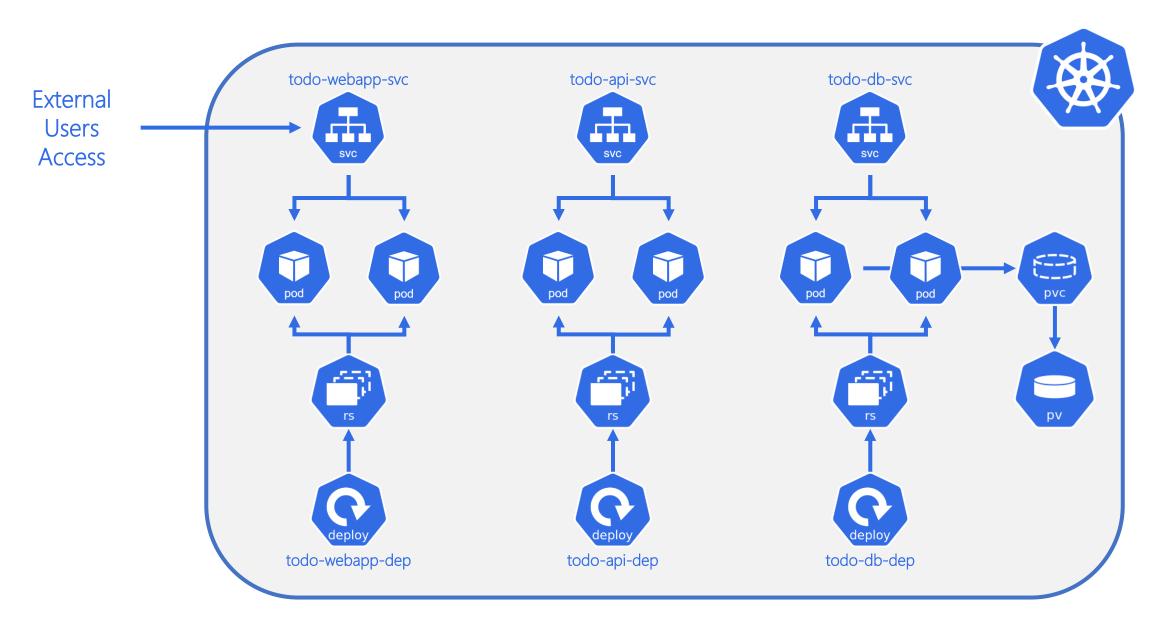
- dotnet 6 MVC App
- Webapp available on http://URL/
- Uses API to implement features
- API URL defined on property "Services.TodoAPI"

Todo API

- dotnet 6 Minimal Api
- Endpoints available on http://URL/todos/
- Connects to MS SQL Server 2017
- Connection string on property "ConnectionStrings_TodosDb"

Todo DB

- MS SQL Server 2017
- Image: mcr.microsoft.com/mssql/server:2017-latest
- Needs two environment variables
 - ACCEPT_EULA=Y (static)
 - SA_PASSWORD, with the value you want (notice connection string on Todo API)





Todo App

- Optional Goals
- Docker compose
- Ingress





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