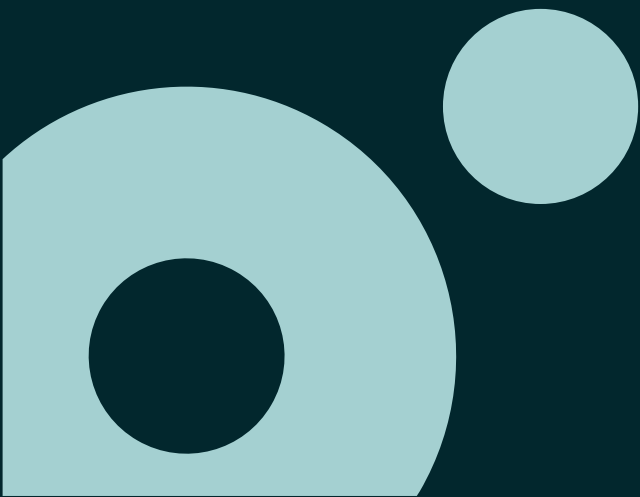


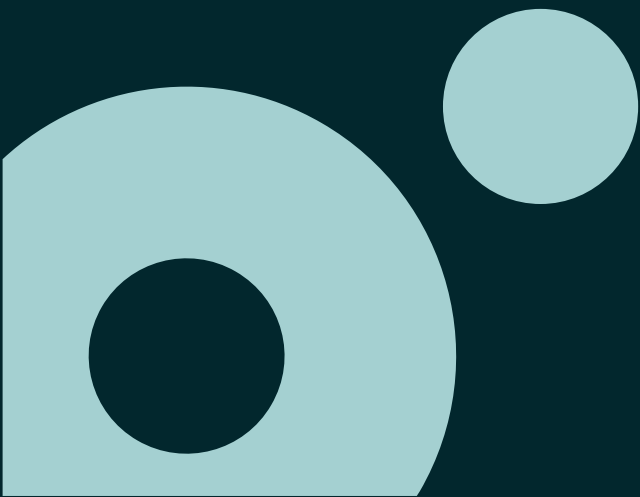
Containers & Kubernetes

Session #10



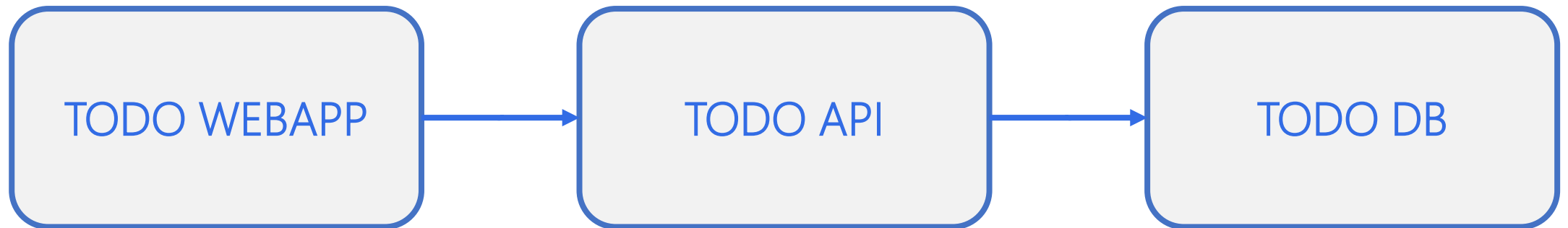
moOngy. | Mini Project

Mini Project



Todo App

Mini Project



Todo App

Mini Project

- Codebase: [tasb/todo-app \(github.com\)](https://github.com/tasb/todo-app)
- Goals
- Create Dockerfiles for webapp and api
- Create Docker Compose
- Push to Docker hub
- Create Kubernetes Manifests
 - Deployments
 - Services
 - PersistentVolume and PersistentVolumeClaim
 - ConfigMaps and Secrets

Todo WebApp

Mini Project

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

Todo API

Mini Project

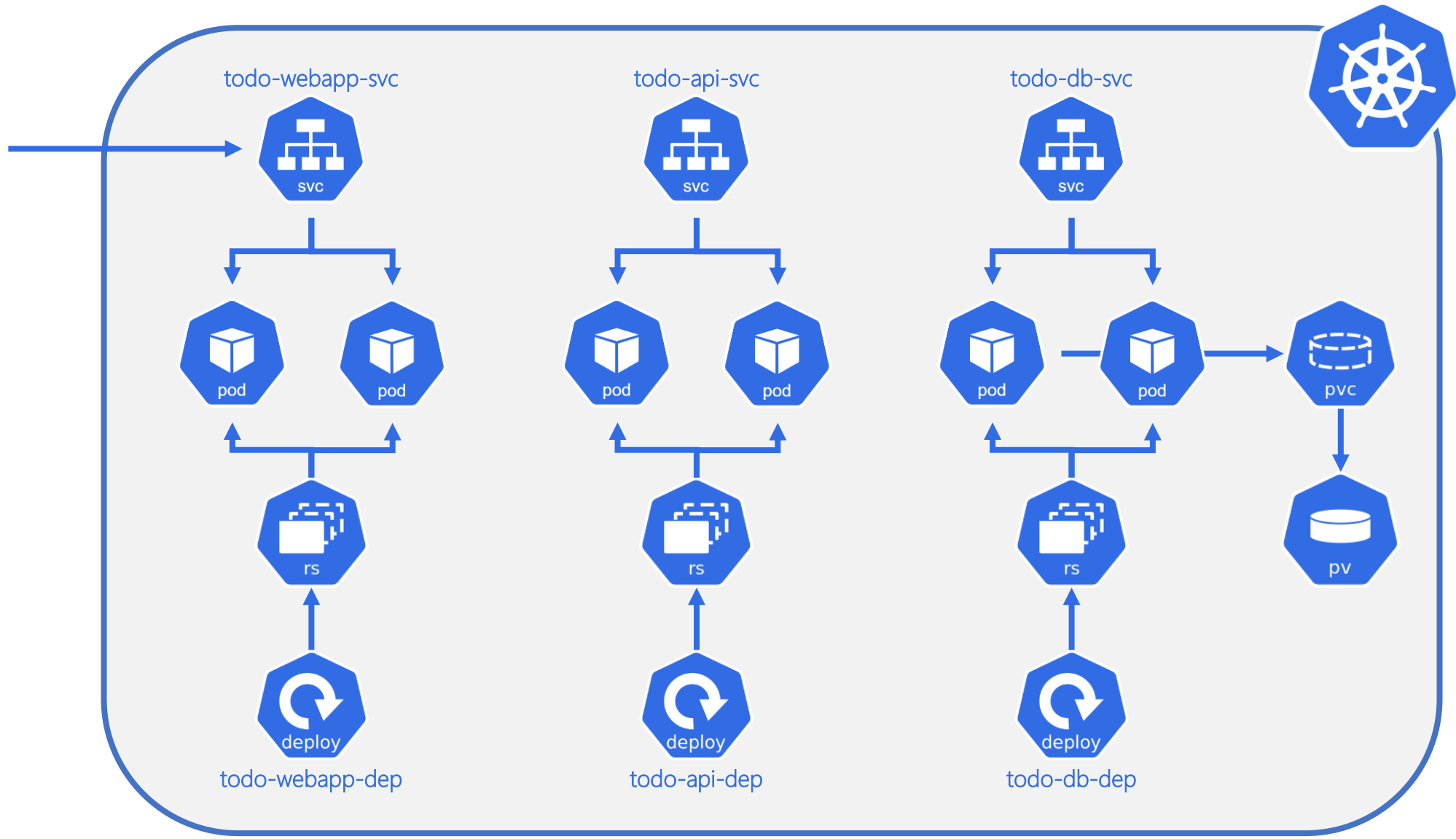
- dotnet 6 Minimal Api
- Endpoints available on <http://URL/todos/>
- Connects to MS SQL Server 2017
- Connection string on property "ConnectionStrings__TodosDb"

Todo DB

Mini Project

- 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)

External
Users
Access





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