

IdentityServer4 Demos Plan

00. Intro

- Why
- Terminology
- SSO flow with diagram (client cookie, id cookie, external provider)

01. IdentityServer4 Quickstart

- Step by step quickstart example from command line to setup the project
- Explain the main parts, what is where, to set a stage for next demos
- Explain difference between in-memory and database storage and what is storage used for
- Explain main endpoints, discovery document, login page

02. IdentityServer4 EntityFramework

- Step by step migrate data to MSSQL database
- Explain how migration is done
- Explain table structure
- Insert seed data

03. IdentityServer4 EF With PostgreSQL

- Remove migrations for MSSQL database
- Install PostgreSQL nuget packages
- Add migrations for PostgreSQL
- Insert seed data

04. PART 1: IdentityServer4 ASP.NET Identity

- Explain what is ASP.NET Identity
- Step by step implement ASP.NET Identity in code
- Add views and controllers in project so they can be customized
- Explain main parts in code

04. PART 2: IdentityServer4 ASP.NET Identity

- Add the database migrations
- Run the migrations
- Explain the AspNet Identity tables

05. IdentityServer4 Adding custom properties to User

- Step by step add custom IsEnabled property to User
- Modify Account controller and External controller to check new IsEnabled flag

06. IdentityServer4 External providers

- Standard protocols (SAML2, OIDC, Federation)
- Setup of external provider
- Step by step middleware setup for external provider (Okta)

07. IdentityServer4 User Auto-provisioning

- Explain user linking and provisioning
- Step by step modify auto-provisioning to match local user by email

08. IdentityServer4 MFA

- Explain 2FA and MFA
- Step by step how to configure MFA

09. IdentityServer4 Admin UI (skoruba)

- Step by step create Admin UI project
- Connect with IdentityServer4
- Login and show main parts

10. Web API client example

- Create Web API project
- Step by step add bearer token middleware
- Create client using Admin UI (configuration)
- Show it works

11. JS client example

- Create JS project
- Step by step add oidc-client-js library and required resources
- Create authorization code client using Admin UI
- Show it works

12. Python client example

- Create Python project
- Step by step add implicit flow
- Create implicit flow client using Admin UI
- Show it works

13. BONUS: IdentityServer4 Production ready

- Explain what needs to happen to make it production ready
- Setup logging into table
- Enable HTTPS
- Setup certificates
- Cookie encryption for all instances to support multiple instances
- PublicOrigin for running behind NLB or in Docker

14. BONUS: IdentityServer4 Docker

- Step by step create docker file
- Create docker image
- Run docker image

15. BONUS: IdentityServer3 Migration To IdentityServer4

- Explain main differences in database
- Include SQL script for migration