



EXERCISE*

Track: Developers

Tutorial: How to build a FHIR Server with Vonk FHIR Facade

Speaker: Christiaan Knaap

During this hands-on session you will try to build a FHIR RESTful API on top of an existing relational database using the NuGet packages for Vonk FHIR Facade.

Christiaan, Corina, Marco and Mirjam will be in the hands-on area to answer your questions!

Prerequisites:

- Basic understanding of the FHIR RESTful API and FHIR servers.
- Microsoft .NET programming experience, preferably ASP.NET Core
- Git client of your choice
- Visual Studio 2017
 - get a free community edition at <https://www.visualstudio.com/downloads/>
 - be sure to select the components for C# ASP.NET Core web development
- .NET Core 2.0 SDK, from <https://www.microsoft.com/net/download/windows>
 - this is probably installed along with the latest Visual Studio, but needed if your VS is not up-to-date.
- SQL Server 2012 or newer:
 - get a free developer or express edition at <https://www.microsoft.com/en-us/sql-server/sql-server-downloads>
 - add SQL Server Management Studio from <https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms>
- Postman, Fiddler or a similar tool to issue http requests and inspect the responses.

Exercise

The getting-started for Vonk FHIR Facade explains how to create a Facade from scratch. Follow the steps and try to get your solution working. You can find it at:

<http://docs.simplifier.net/vonk/facade/facadestart.html>

Please know that at <https://github.com/furore-fhir/Vonk.Facade.Starter> is the expected result of the exercise. So don't be afraid to try different approaches or to fail, you can always clone the right branch to continue with a working version.

Bonus

Think of a system in your own organization and what data of it would be useful to expose through FHIR. Could you create a Facade for it, with the experience from the Exercise?

Have fun, and remember to ask for help if you get stuck !

*This exercise will not be evaluated and no prizes are attached to any result. The exercise can only be used at HL7 FHIR DevDays 2017.