

Let's Build a FHIR Spec - Profiling with Forge

Ardon Toonstra, Firely



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A little about me ...

Name: Ardon Toonstra

Background:

- FHIR consultant
 - Dutch core profiles
 - MedMij – the Dutch PHR infrastructure

Contact: ardon@fire.ly



Today's Goals

- To learn how to start profiling – the art of defining your FHIR data model – with Forge
- Create profiles that conform to the requirements laid out in the exercises.

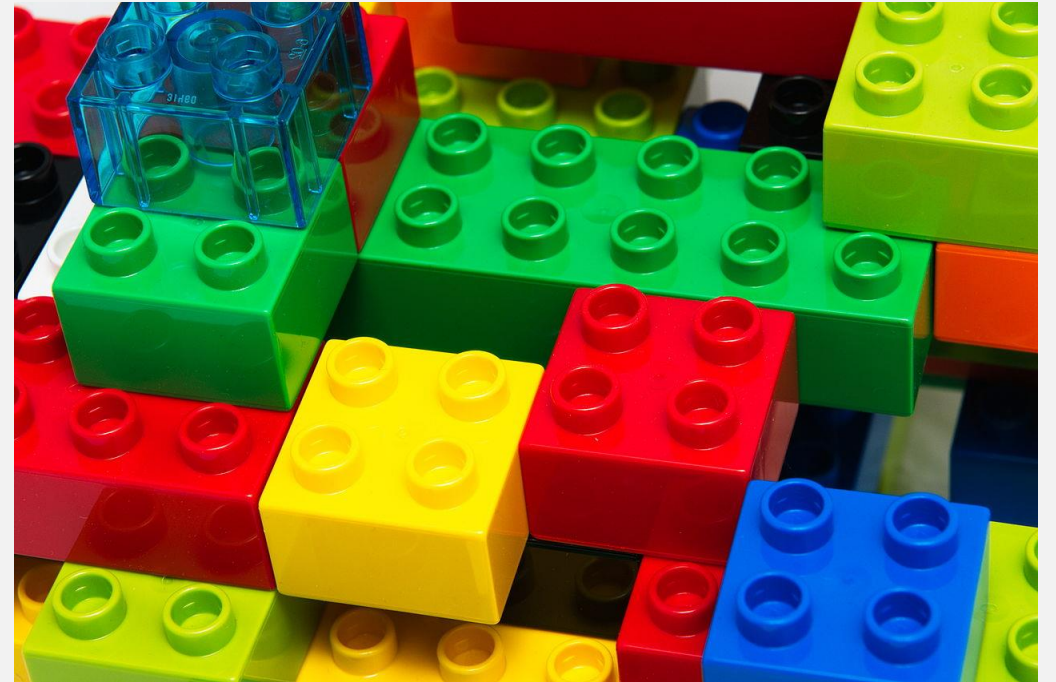


<https://bit.ly/dd-letsbuild-profiles>

Profiling – possibilities

Describe adaptations based on use & context:

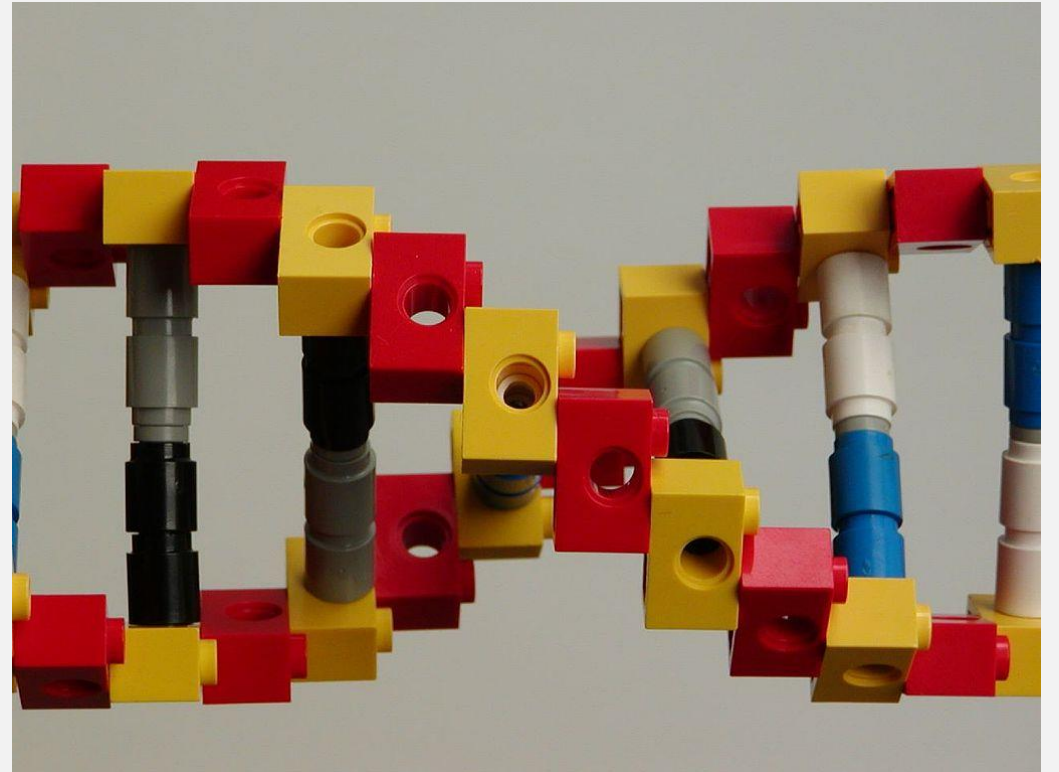
- Which resources & elements are used?
- Which API features are used?
- Which terminologies are used?
- How to map these to local requirements?



Profiling – essentials

Allow for these usage statements:

- To be authored in a **structured** manner
 - Independent of serialization format
- To be published in a repository
- To drive validation, code generation etc.



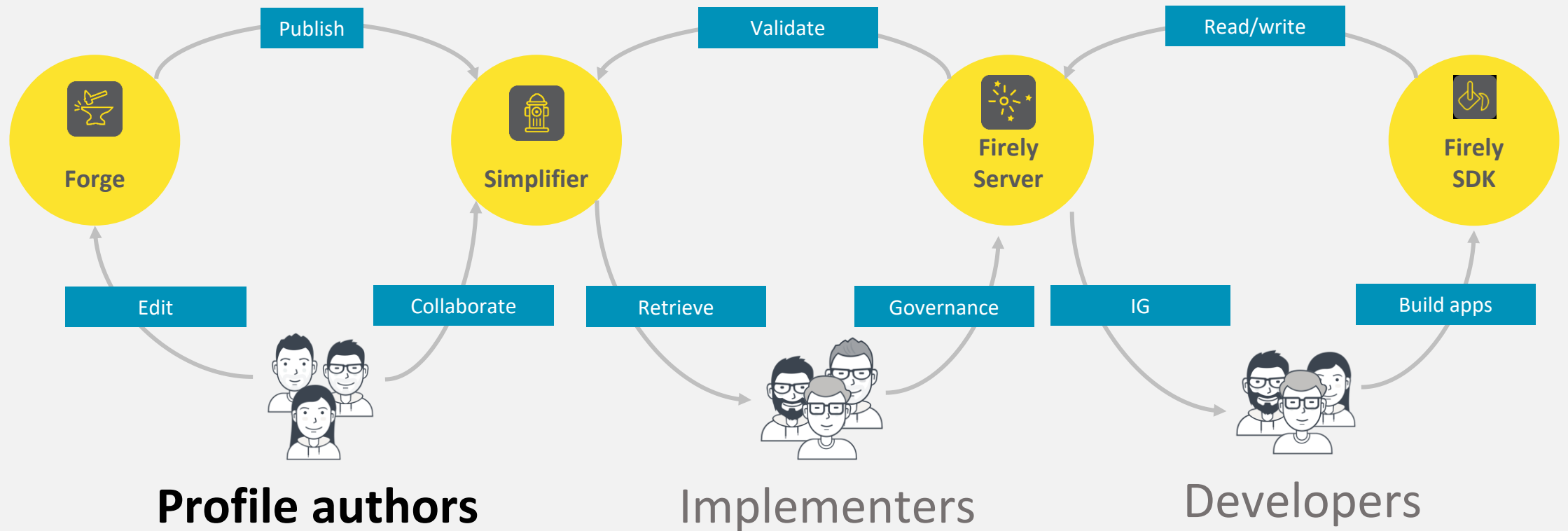
Canonical Url

- Each conformance resource gets a unique identifier (*uri*)
 - Author-assigned
 - Shared by all instances
- This is called the *canonical url*
- Example from the spec:
 - <http://hl7.org/fhir/StructureDefinition/Patient>
- Other examples:
 - <http://fhir.nl/fhir/StructureDefinition/nl-core-patient>
 - <https://fhir.nhs.uk/R4/StructureDefinition/UKCore-Condition>

Forge

- Graphical editor for FHIR resources
 - Profiles, extensions, logical models, search parameters, operation definitions
- Windows desktop application
 - Can be run on Mac/Linux via wine or VM
- Licensed together with Simplifier.net
 - Free for non-commercial use: personal and educational use (like now)
 - Paid plans for commercial use

The Firely FHIR ecosystem



Let's Build!



What did you learn?

- To learn how to start profiling with Forge
 - Metadata
 - Cardinality constraints
 - Extensions
 - Terminology bindings
 - Deriving profiles
 - Slicing
 - Publishing
 - Validating

Contact

- During DevDays, you can find / reach me here:
 - Via Whova App – Speaker’s Gallery
 - Email: ardon@fire.ly

Track overview: Let's Build a FHIR specification



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