

Finnish PHR support for STU3 & R4

NB! This instruction is valid after TK2.4 package is released and for the resource types that have been implemented for R4 at the time.

For a transition period Finnish PHR Service supports both STU3- and R4-versions of FHIR. In practise, Finnish PHR has two endpoints, one for STU3 and one for R4.

Saving resources

When saving resources, endpoint must be chosen according to the FHIR-version that the app uses. STU3-resources must be saved via STU3-endpoint and R4-resources via R4-endpoint. For example, saving STU3-resource via R4-endpoint is forbidden and likewise, R4-resource cannot be saved via STU3-endpoint.

QuestionnaireResponses can be saved only in R4-form for R4-Questionnaires.

Reading and searching for resources

Resources can be read using both endpoints. If an app reads STU3-resource via R4-endpoint, resource will be converted from STU3 to R4, and likewise if reading R4-resource via STU3-endpoint it will be converted from R4 to STU3.

If R4-resource includes a `xxx.reference.type` field, it won't be converted, but will be dropped out when reading R4-resource via STU3-endpoint.

Code system in STU3 may have a new URL in R4. For example <http://hl7.org/fhir/observation-category> in STU3 is <http://terminology.hl7.org/CodeSystem/observation-category> in R4. It is recommended to use only code without code system URL as search parameter.

Restrictions with R4-resources

R4 meta.profile -elements allow references to multiple profiles. At the moment, due to HAPI issues, references to other profiles than Finnish PHR profiles are not yet allowed.

Testing when an app upgrades from STU3 to R4

A joint testing takes place when an app starts to produce R4-resources. Testing includes testing all interactions that the app uses.

Endpoints for STU3 and R4 Sandbox

Resource server for STU3: <https://fhirsandbox2.kanta.fi/phr-resourceserver/baseStu3>

Resource server for R4: <https://fhirsandbox2.kanta.fi/phr-resourceserver/baseR4>