

# Technical Note – API Notes

Dave Iberson-Hurst, 4<sup>th</sup> July 2022

## Changes

- 4<sup>th</sup> July 2022 – First draft

## Purpose

This document provides some brief notes on the latest API release resulting from public review comments. This note is expected to be updated and expanded over time as the inevitable question arise.

## Method

The API has been re-engineered using a small python microservice that employs the Fast API library. This allows the simulator to generate the Swagger OpenAPI documents while providing a DDF SDR simulator and test data for the API.

The simulator details are:

1. Root url of <https://byrikz.deta.dev/>
2. <https://byrikz.deta.dev/docs> provides the openApi specification. There is a link on this page to download the API specification document.

## Field Definitions

For the precise definitions of individual fields, please see the CT specification. These definitions have not been repeated in the API specification in the interests of preventing duplication of effort.

## API Logical Parts

There are several logical parts to the API:

1. **Production:** This contains the API routes for the formal production release.
2. **Simulator:** These are some routes to support the operation of the microservice like the version number etc. They are not part of the production release.
3. **SoA, Search and Sections:** Routes to demonstrate potential features that could be implemented within the API including the generation of a Schedule of Activities. Currently not part of the production release but could be if so desired. There examples are also there to stimulate discussion.

## Supporting Technical Information

There will be a need for additional information regarding the operation of the API. This will be provided in a forthcoming user / implementation guide.

## Example Files

Two example study load files (json) can be found in this github repository [https://github.com/data4knowledge/ddf\\_service](https://github.com/data4knowledge/ddf_service) in the study subdirectory.

## Comparison

The following table provides a comparison between the version sent to public review and the latest changes.

Public Review API	Updated API	Notes
GET/studydefinitionrepository/v1/{study}	GET /v1/studyDefinitions/{uuid}	
POST/studydefinitionrepository/v1	POST /v1/studyDefinitions/	
GET/studydefinitionrepository/v1/studyhistory	GET /v1/studyDefinitions/{uuid}/history	
GET/studydefinitionrepository/v1/{study}/sectionhistory	NA	Sections have been removed
GET/studydefinitionrepository/v1/{study}/studydesign/{studydesignid}	GET /v1/studyDesigns?study_uuid={uuid}	All “sections” can be handled in this way if needed, e.g. GET /v1/objectives?study_uuid={uuid} for all objectives for a study_design
POST/studydefinitionrepository/v1/{study}/studyprotocols	NA	Part of study GET
GET/studydefinitionrepository/v1/{study}/studyprotocols/{studyProtocolId}	NA	Part of study POST