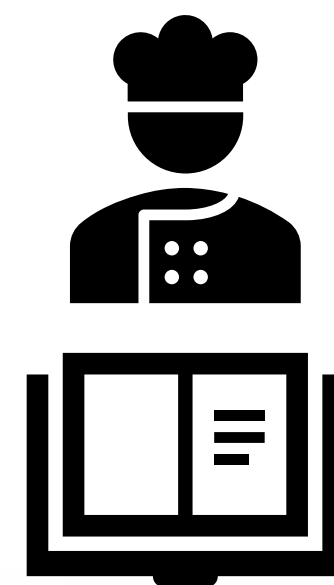


# FAIR DO Cookbook

## Recipes for FAIR Digital Objects

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Working in the realm of FAIR Digital Objects can be very abstract and sometimes overwhelming. There are so many aspects which have to be addressed in order to create a first FAIR Digital Object. The FAIR DO Cookbook aims to guide researchers and explain all required knowledge, ingredients and steps to execute. The target audience are people building, controlling or maintaining infrastructure or software that should work with FAIR DOs in come way, as well as people interested types, profiles and PIDs work and how they can be created.

The screenshot shows the FAIR DO Cookbook website. The left sidebar contains a navigation menu with the following items: About, Introduction to PIDs and FAIR DOs, Create a PID (highlighted in blue), Resolve a PID, Update/maintain a PID, Delete a PID, Inform (or be informed) about new or changed PIDs, Search for PIDs, Validate a PID record, Create a Data Type, Create a PID KIP, and Appendix. The main content area is titled 'Create a PID' and includes a description of what creating a PID entails, a list of ingredients, and a summary of work steps.

### Create a PID

Creating a PID means not only to register an identifier, but also to fill it with reasonable information at the same time. Creating a PID is therefore the same as "creating a PID record" or similar terms. In some contexts it is also referred to as "creating a FAIR Digital Object" or "minting a PID".

As you can see in the ingredient list, you will need a profile. A reference to the profile will be stored in the record and is used for record validation and easing decision-making for machines. First, search for existing profiles. This will maximize reusability. If no fitting profile exists, you need to create one. [The process of searching or creating of such profiles is already described in another recipe.](#) It is important that you are able to fulfill the profiles requirements, meaning that you have the information to create a valid record according to this profile (last point in the ingredients).

### Ingredients

- A running [Typed PID Maker](#) (or FAIR DO Lab instance)
- [A PID Information Profile](#) that can properly represent your object you want to represent
- A reference to your data/object (e.g. a URL), which can be used with your profile
- Information which needs to be provided according to the profile

### Work Steps (Summary)

1. Build a JSON-Representation of the PID record.
2. Send PID create request to Typed PID Maker.

### Future Work

- More conceptual content to widen the target audience
- Add wide range of practical use-cases
- Adjust with new developments in the field of FAIR DOs

Visit the  
Cookbook



<https://kit-data-manager.github.io/fairdo-cookbook/>

Propose  
Changes and  
Recipes



<https://github.com/kit-data-manager/fairdo-cookbook/>