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Templates marketplace for research communities

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Software engineering best practices favour the creation of better quality projects, where similar projects should originate from similar pre-defined layout, also called software templates. This approach greatly enhances project comprehension, without the need for extensive documentation. Additionally, it allows the pre-setting of certain functionalities simplifying further code development. There exist various tools to create such templates and then routinely generate projects from them. One of such Open Source tools is cookiecutter [1], a cross-platform command-line utility. The templates, or cookiecutters, can be re-used and freely hosted on software version control platforms e.g. GitHub.

In this lightning talk, we present a new (pre-production) platform that enables the collection of various templates on a marketplace/hub and use them to generate new projects on-fly through a web interface without requiring the installation of the cookiecutter tool on the client side. The platform features a GitHub repository to collect metadata about templates, a python-based backend, and a javascript Web GUI with the authentication via EGI Check-In.

[1] https://github.com/cookiecutter/cookiecutter

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