

Creating Custom Applications

With the Application Workbench integrated with EPISODES Platform, users obtained possibilities to create their own codes in order to perform custom analyses on the data from episodes or their data uploaded to workspace. These features were developed within [EPOS PL](#), Polish national project co-financed from European Regional Development Fund. Thanks to this, the Platform has become a virtual laboratory that opens unconstrained opportunities for virtual experimentation.



Contents of this guide

This guide will introduce you to creating your own applications and running them within the [EPISODES Platform](#). The applications you create will be kept in the [Application Workbench](#) and will be available for you from the EPISODES Platform when you log in to your account. All the steps required to create and integrate your own code are further described on the subsequent pages of this documentation:

- [Creating Application Workbench account](#)
- [Creating new application](#)
- [Custom application configuration](#)
- [Editing the application code](#)
- [Running your custom application](#)
- [Examples](#)
- [Common Issues](#)

How to access Application Workbench?

The Application Workbench is available at <https://epos-apps.grid.cyfronet.pl/>. To see your application codes, you have to first [create an account](#), and then log in.

About Application Workbench

The Application Workbench is a Web interface for managing [GIT](#) repositories based on [Gitea](#) service. All applications you will create will be represented by a GIT repository, containing files described in [this guide](#). GIT is a version control system that allows for collective work on software, tracking history of software file modifications, and many more. The command of this system is highly encouraged when using the Application Workbench, but not required - see also [Editing the application code guide](#).

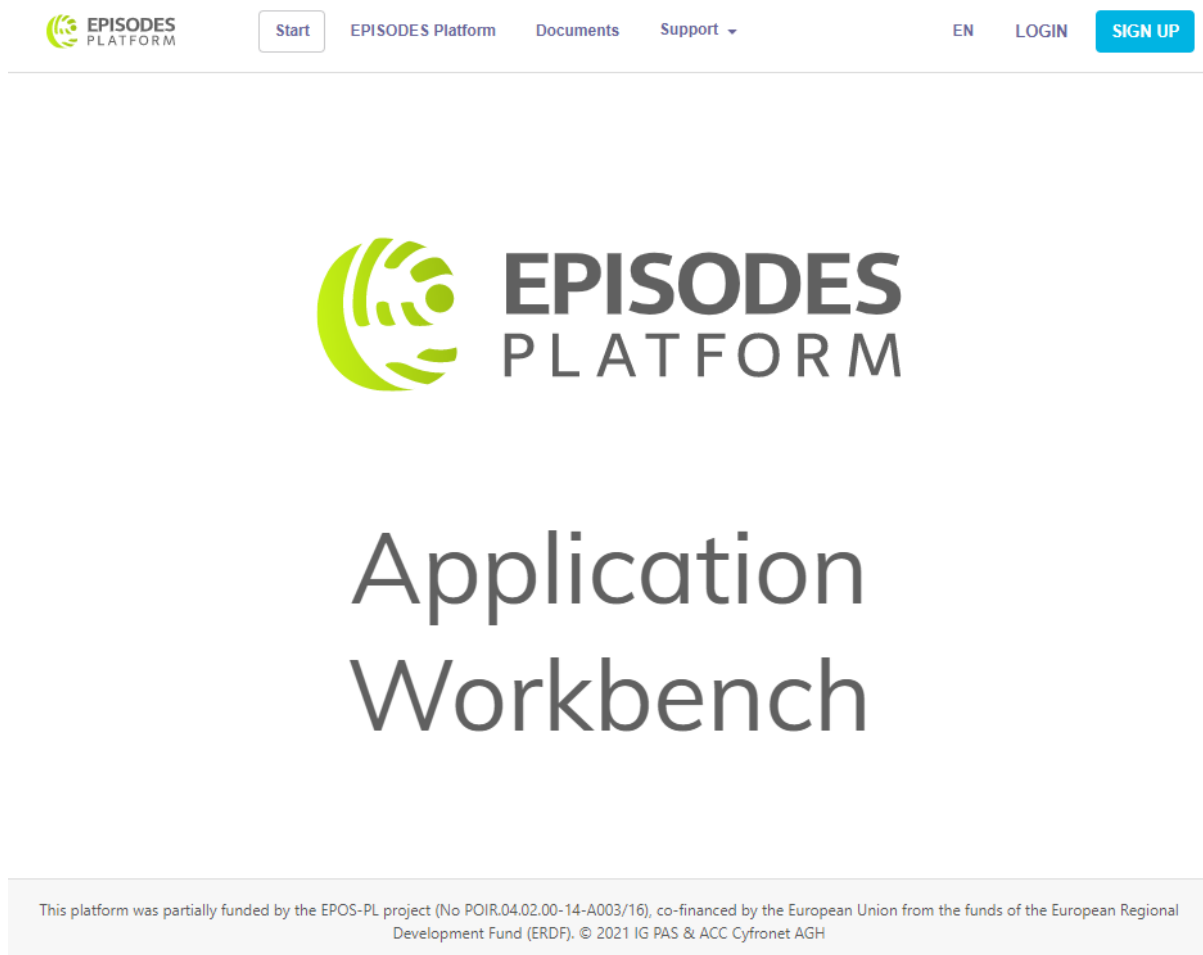


Figure 1. Main page of the Application Workbench before logging in

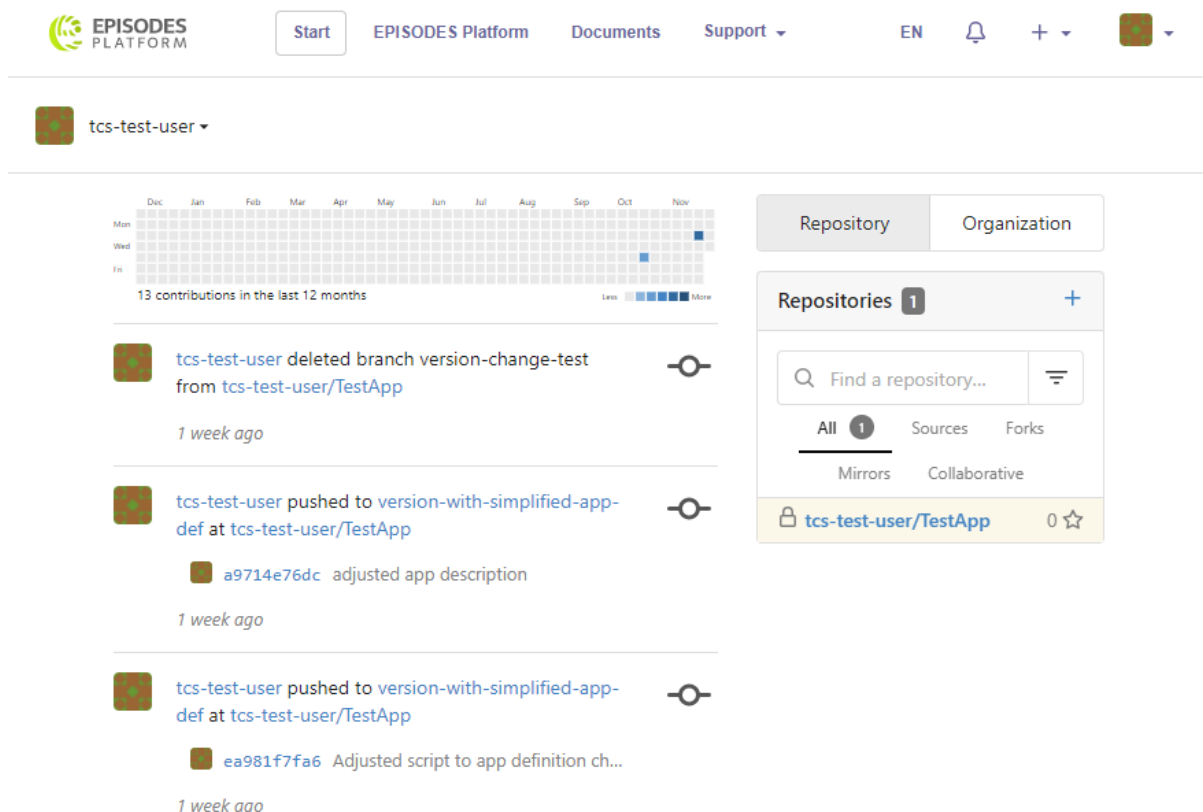


Figure 2. Main page of the Application Workbench after logging in

Acknowledgements

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Related Documents

- [Creating new application](#)
- [Custom application configuration](#)
- [Creating Custom Applications](#)
- [Creating and managing workflows](#)
- [Configuring application to run automatically - "Autorun"](#)