amasty

PWA Installation User Guide

The PWA Studio is distributed with the Project Scaffolding. Project Scaffolding is a method of automatic file creation, aimed to support a specific project structure.

PWA Studio offers various instruments to simplify project creation. Also, it allows you to create your own PWA theme, layered on Magento 2. The full documentation is available via Magento PWA Studio documentation.

PWA Studio Installation

Before you start the installation process, please make sure you have installed all the tools, mentioned below:

- NodeJS >=10.14.1 LTS;
- Yarn >=1.13.0;
- Python 2.7 and build tools, see the Installation instructions on node-gyp for your platform;
- A running instance of Magento 2.3.1 or above.

1. New Project Creation

To create a new project, please run the following command:

`yarn create @magento/pwa`

After that, an interactive installation process will be started. You'll have to enter the following information:

- The directory name, where the project will be created (installed);
- Project name;
- Author name;
- Magento backend url. If you don't have one, you'll be offered to install a new Magento instance and token.

In the screenshot below, an example of the installation process is shown.

To go to the project's directory, run the following command: **$ cd myproject/**

2. Project Domain Creation

You need to create a unique, safe, configurable domain for your new project. To do that, please run the following command.

```
yarn run buildpack create-custom-origin .
```

Please, note that, for the successful command execution, you need to run the command by a user with the administrator's permissions. For this step, the admin password is required. This is why you can be asked to enter the admin password in the command line.

3. Project Start

To run the project in the developer mode, please execute the following command:

```
yarn watch
```

The project will be started and will be available via address, given to you in the console window. For example, see the screenshot below.

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PWA Module Installation

To get more detailed info, check the **README.md** file in the module package.

To install the PWA modules to your instance, you need to follow the next steps:

1. Proceed to the required folder using the **cd your_project/src** command.

2. Create a new folder with **mkdir @amasty**.

3. Copy module folder and paste it to **@amasty**.

4. For development mode, run **yarn add link:src/@amasty/%module_name%** .

For production mode, run **yarn add file:src/@amasty/%module_name%**.

Both commands should be run from the directory (*your_project* folder).

5. If the extension has the **Ovverrides** folder, copy folder overrides from **@amasty/%module_name%** into **src/** and install **VeniaUiOverrideResolver for PWA Studio** with the commands:

```
yarn add @fooman/venia-ui-override-resolver
```

6. Restart your project using the **yarn watch** command.

Please, note that adding a new file requires restarting the watch process for the file to get recognised. Replacing a component can be dangerous. It is not a compound change, so if two extensions are intended to replace the same file, it can lead to errors.
To learn more about PWA theme customizations with Project Scaffolding, you can read the following blog post.

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