## 1. Pre-requisites

- a. Install NODE + NPM
  - i. <a href="https://askubuntu.com/questions/426750/how-can-i-updat
  - ii. <a href="https://linuxize.com/post/how-to-install-node-js-on-ubuntu-20-04/">https://linuxize.com/post/how-to-install-node-js-on-ubuntu-20-04/</a>
- b. Install YARN -

https://classic.yarnpkg.com/lang/en/docs/install/#windows-stabl

<u>e</u>

- c. Check your versions
  - i. NodeJS >=16 LTS
  - ii. Yarn >=1.13.0 ===> Recommended
  - iii. NPM > 8.19

## 2. Setup a storefront project

- a. Go to html directory
- b. yarn create @magento/pwa

```
@magento/create_pwa v2.3.2
Creating a PMA Studio project
? Project root directory (will be created if it does not exist) pwa
? Short name of the project to put in the package.json "name" field pwa
? Name of the author to put in the package.json "author" field magedigest
? Which template would you like to use to bootstrap pwa? Defaults to "@magento/venia-concept". @magento/venia-concept
? Magento instance to use as a backend (will be added to `.env` file)
Magento 2.3.3 with Venia sample data installed
Magento 2.4-develop with Venia sample data installed
3 Other (I will provide my own backing Magento instance)
```

```
one in 179.13s.

✓ Installed dependencies for 'pwa' project

⚠ Created new PWA project pwa. Next steps:

- cd pwa before running the below commands.

- yarn run buildpack create-custom-origin . to generate a unique, secure custom domain for your new project. Highly recommended.

- yarn run watch to start the dev server and do real-time development.

- yarn run storybook to start Storybook dev server and view available components in your app.

- yarn run build to build the project into optimized assets in the '/dist' directory.

- yarn start after build to preview the app on a local staging server.
```

- c. **cd pwa** => before running the below commands.
- d. yarn run buildpack create-custom-origin ./ => to generate a unique, secure custom domain for your new project. Highly recommended.
- e. **yarn run watch** => to start the dev server and do real-time development.

```
webpack-dev-server --progress --color --env.mode development
As of version 12.1.0, PWA Studio requires the appropriate PWA metapackage to be installed on the backend.
For more information, refer to the 12.1.0 release notes here: https://github.com/magento/pwa-studio/releases/tag/v12.1.0

Error: Cannot query field "newsletter_enabled" on type "StoreConfig". (... 1 errors total)

at /var/www/html/pwa/node_modules/@magento/pwa-buildpack/lib/Utilities/graphQL.js:54:21

at processTicksAndRejections (node:internal/process/task_queues:96:5)

at async module.exports (/var/www/html/pwa/webpack.config.js:62:29)

Done in 10.10s.
```

- Go to magento root directory and run below commands to solve the error.
- git clone git@github.com:magento/magento2-pwa.git /var/www/html/magento243/vendor/ext/magento/mage nto2-pwa
- composer config minimum-stability dev
- composer config repositories.ext path
   "./vendor/ext/\*/\*/"
- composer require magento/pwa
- php bin/magento module:enable --clear-static-content Magento\_ContactGraphQIPwa
- php bin/magento module:enable --clear-static-content Magento\_NewsletterGraphQIPwa
- Come back to PWA directory and execute => yarn run watch

```
yam run vi.22.19

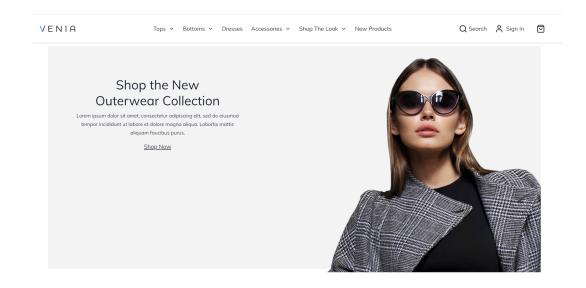
**subpack-dew-server --progress --color --env.mode development
Custom origins are enabled for this project, but one has not yet been set up. Run buildpack create-custom-origin projectRoot> to initialize a custom origin.

**Emitting no ServiceMorker in development mode.

**Initialize in the served from th
```

f. **yarn run storybook** => to start Storybook dev server and view available components in your app.

- g. **yarn run build** => to build the project into optimized assets in the '/dist' directory.
- h. **yarn start** => after build to preview the app on a local staging server.



Note - edit .env file to change the Magento Backend Url