docusaurus

docusaurus

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Tutorial Intro

Let's discover **Docusaurus in less than 5 minutes**.

Getting Started

Get started by **creating a new site**.

Or **try Docusaurus immediately** with **docusaurus.new**.

What you'll need

- Node.js version 18.0 or above:
    - When installing Node.js, you are recommended to check all checkboxes related to dependencies.

Generate a new site

Generate a new Docusaurus site using the **classic template**.

The classic template will automatically be added to your project after you run the command:

```
npm init docusaurus@latest my-website classic
```

You can type this command into Command Prompt, Powershell, Terminal, or any other integrated terminal of your code editor.

The command also installs all necessary dependencies you need to run Docusaurus.

Start your site

Run the development server:

```
cd my-website
npm run start
```

The `cd` command changes the directory you're working with. In order to work with your newly created Docusaurus site, you'll need to navigate the terminal there.

The `npm run start` command builds your website locally and serves it through a development server, ready for you to view at http://localhost:3000/.

Open `docs/intro.md` (this page) and edit some lines: the site **reloads automatically** and displays your changes.

Tutorial - Basics / Create a Page

Add **Markdown or React** files to `src/pages` to create a **standalone page**:

- `src/pages/index.js` → `localhost:3000/`
- `src/pages/foo.md` → `localhost:3000/foo`
- `src/pages/foo/bar.js` → `localhost:3000/foo/bar`

Create your first React Page

Create a file at `src/pages/my-react-page.js`:

src/pages/my-react-page.js

```jsx
import React from 'react';
import Layout from '@theme/Layout';

export default function MyReactPage() {
  return (
    <Layout>
      <h1>My React page</h1>
      <p>This is a React page</p>
    </Layout>
  );
}
```

A new page is now available at http://localhost:3000/my-react-page.

Create your first Markdown Page

Create a file at `src/pages/my-markdown-page.md`:

src/pages/my-markdown-page.md

```
# My Markdown page

This is a Markdown page
```

A new page is now available at http://localhost:3000/my-markdown-page.

Tutorial - Basics / Create a Document

Documents are **groups of pages** connected through:

- a **sidebar**
- **previous/next navigation**
- **versioning**

Create your first Doc

Create a Markdown file at `docs/hello.md`:

docs/hello.md

```
# Hello

This is my **first Docusaurus document**!
```

A new document is now available at http://localhost:3000/docs/hello.

Configure the Sidebar

Docusaurus automatically **creates a sidebar** from the `docs` folder.

Add metadata to customize the sidebar label and position:

docs/hello.md

```md
---
sidebar_label: 'Hi!'
sidebar_position: 3
---

# Hello

This is my **first Docusaurus document**!
```

It is also possible to create your sidebar explicitly in `sidebars.js`:

sidebars.js

```js
export default {
  tutorialSidebar: [
    'intro',
    'hello',
    {
      type: 'category',
      label: 'Tutorial',
      items: ['tutorial-basics/create-a-document'],
    },
  ],
};
```

Tutorial - Basics / Create a Blog Post

Docusaurus creates a **page for each blog post**, but also a **blog index page**, a **tag system**, an **RSS** feed...

Create your first Post

Create a file at `blog/2021-02-28-greetings.md`:

blog/2021-02-28-greetings.md

```
---
slug: greetings
title: Greetings!
authors:
  - name: Joel Marcey
    title: Co-creator of Docusaurus 1
    url: https://github.com/JoelMarcey
    image_url: https://github.com/JoelMarcey.png
  - name: Sébastien Lorber
    title: Docusaurus maintainer
    url: https://sebastienlorber.com
    image_url: https://github.com/slorber.png
tags: [greetings]
---

Congratulations, you have made your first post!

Feel free to play around and edit this post as much as you like.
```

A new blog post is now available at http://localhost:3000/blog/greetings.

Tutorial - Basics / Markdown Features

Docusaurus supports **Markdown** and a few **additional features**.

Front Matter

Markdown documents have metadata at the top called Front Matter:

my-doc.md

```
---
id: my-doc-id
title: My document title
description: My document description
slug: /my-custom-url
---

## Markdown heading

Markdown text with [links](./hello.md)
```

Links

Regular Markdown links are supported, using url paths or relative file paths.

```
Let's see how to [Create a page](/create-a-page).
```

```
Let's see how to [Create a page](./create-a-page.md).
```

Result: Let's see how to Create a page.

Images

Regular Markdown images are supported.

You can use absolute paths to reference images in the static directory (`static/img/docusaurus.png`):

```
![Docusaurus logo](/img/docusaurus.png)
```

You can reference images relative to the current file as well. This is particularly useful to colocate images close to the Markdown files using them:

```
![Docusaurus logo](./img/docusaurus.png)
```

Code Blocks

Markdown code blocks are supported with Syntax highlighting.

~~~
```jsx title="src/components/HelloDocusaurus.js"
function HelloDocusaurus() {
  return <h1>Hello, Docusaurus!</h1>;
}
```
~~~

src/components/HelloDocusaurus.js

```jsx
function HelloDocusaurus() {
  return <h1>Hello, Docusaurus!</h1>;
}
```

Admonitions

Docusaurus has a special syntax to create admonitions and callouts:

```
:::tip[My tip]

Use this awesome feature option

:::

:::danger[Take care]

This action is dangerous

:::
```

> **MY TIP**
>
> Use this awesome feature option

> **TAKE CARE**
>
> This action is dangerous

MDX and React Components

MDX can make your documentation more **interactive** and allows using any **React components inside Markdown**:

```
export const Highlight = ({children, color}) => (
  <span
    style={{
      backgroundColor: color,
      borderRadius: '20px',
      color: '#fff',
      padding: '10px',
      cursor: 'pointer',
    }}
    onClick={() => {
      alert(`You clicked the color ${color} with label
${children}`)
    }}>
    {children}
  </span>
);

This is <Highlight color="#25c2a0">Docusaurus green</Highlight> !

This is <Highlight color="#1877F2">Facebook blue</Highlight> !
```

This is Docusaurus green !

This is Facebook blue !

Tutorial - Basics / Deploy your site

Docusaurus is a **static-site-generator** (also called **Jamstack**).

It builds your site as simple **static HTML, JavaScript and CSS files**.

Build your site

Build your site **for production**:

```
npm run build
```

The static files are generated in the `build` folder.

Deploy your site

Test your production build locally:

```
npm run serve
```

The `build` folder is now served at http://localhost:3000/.

You can now deploy the `build` folder **almost anywhere** easily, **for free** or very small cost (read the **Deployment Guide**).

Tutorial - Basics / Congratulations!

You have just learned the **basics of Docusaurus** and made some changes to the **initial template**.

Docusaurus has **much more to offer**!

Have **5 more minutes**? Take a look at **versioning** and **i18n**.

Anything **unclear** or **buggy** in this tutorial? Please report it!

What's next?

- Read the official documentation
- Modify your site configuration with `docusaurus.config.js`
- Add navbar and footer items with `themeConfig`
- Add a custom Design and Layout
- Add a search bar
- Find inspirations in the Docusaurus showcase
- Get involved in the Docusaurus Community

Tutorial - Extras / Manage Docs Versions

Docusaurus can manage multiple versions of your docs.

Create a docs version

Release a version 1.0 of your project:

```
npm run docusaurus docs:version 1.0
```

The `docs` folder is copied into `versioned_docs/version-1.0` and `versions.json` is created.

Your docs now have 2 versions:

- `1.0` at `http://localhost:3000/docs/` for the version 1.0 docs
- `current` at `http://localhost:3000/docs/next/` for the **upcoming, unreleased docs**

Add a Version Dropdown

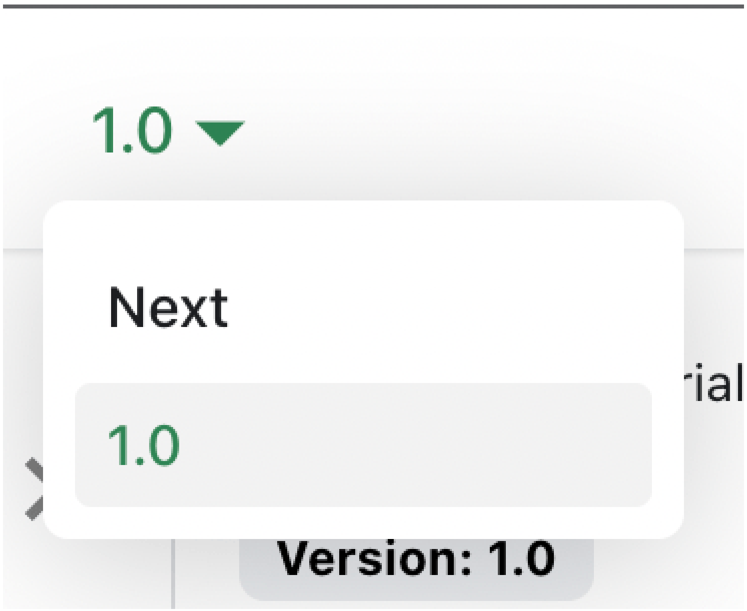
To navigate seamlessly across versions, add a version dropdown.

Modify the `docusaurus.config.js` file:

docusaurus.config.js

```
export default {
  themeConfig: {
    navbar: {
      items: [
        {
          type: 'docsVersionDropdown',
        },
      ],
    },
  },
};
```

The docs version dropdown appears in your navbar:



Update an existing version

It is possible to edit versioned docs in their respective folder:

- `versioned_docs/version-1.0/hello.md` updates `http://localhost:3000/docs/hello`
- `docs/hello.md` updates `http://localhost:3000/docs/next/hello`

Tutorial - Extras / Translate your site

Let's translate `docs/intro.md` to French.

Configure i18n

Modify `docusaurus.config.js` to add support for the `fr` locale:

docusaurus.config.js

```js
export default {
  i18n: {
    defaultLocale: 'en',
    locales: ['en', 'fr'],
  },
};
```

Translate a doc

Copy the `docs/intro.md` file to the `i18n/fr` folder:

```bash
mkdir -p i18n/fr/docusaurus-plugin-content-docs/current/

cp docs/intro.md i18n/fr/docusaurus-plugin-content-docs/current/intro.md
```

Translate `i18n/fr/docusaurus-plugin-content-docs/current/intro.md` in French.

Start your localized site

Start your site on the French locale:

```
npm run start -- --locale fr
```

Your localized site is accessible at http://localhost:3000/fr/ and the `Getting Started` page is translated.

> ⚠ **CAUTION**
>
> In development, you can only use one locale at a time.

Add a Locale Dropdown

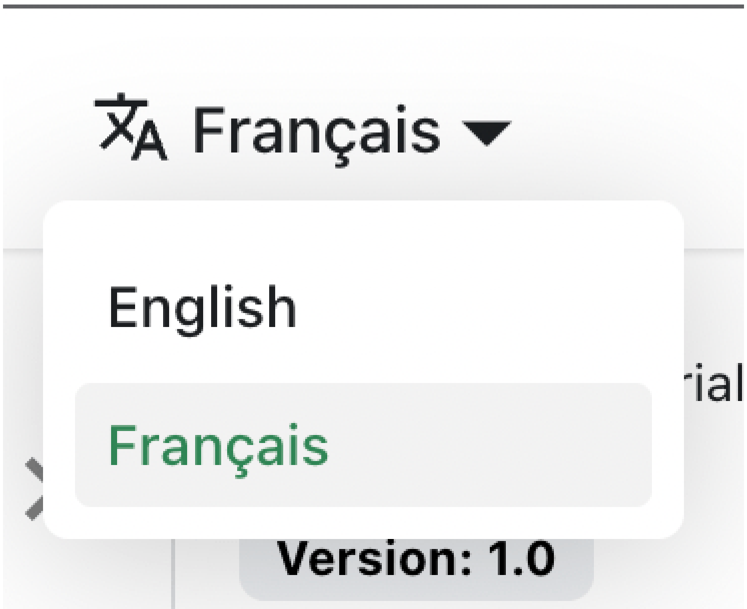
To navigate seamlessly across languages, add a locale dropdown.

Modify the `docusaurus.config.js` file:

docusaurus.config.js

```
export default {
  themeConfig: {
    navbar: {
      items: [
        {
          type: 'localeDropdown',
        },
      ],
    },
  },
};
```

The locale dropdown now appears in your navbar:



Build your localized site

Build your site for a specific locale:

```
npm run build -- --locale fr
```

Or build your site to include all the locales at once:

```
npm run build
```