

[Next JS](#) is an open-source React-based framework that provides a hybrid static/server-side rendered model. Using Next JS data fetching, you can render your content differently based on your application's use case and build APIs using API Routes.

Launch supports the following features of Next JS out of the box:

- [API Routes](#)
- [SSR \(Server Side Rendering\)](#)
- [ISR \(Incremental Static Regeneration\)](#)

The fastest way to get started with Launch is to clone and deploy a [sample Contentstack NextJS Starter project](#). Launch allows you to create a project by importing the website code from GitHub.

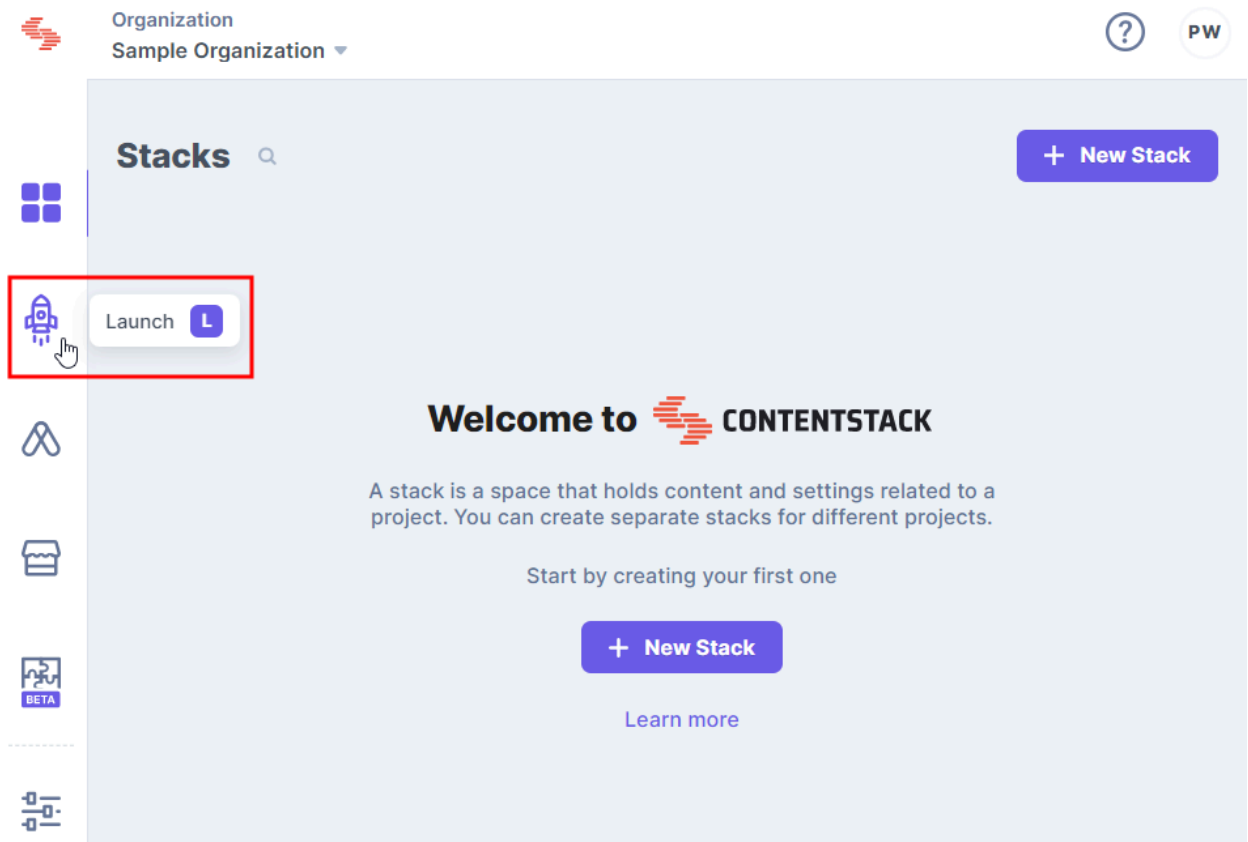
Prerequisites

1. [Contentstack account](#)
2. Access to Launch for your organization (Note: Only the Organization Admin/Owner has permissions to create Launch projects)
3. [GitHub account](#)

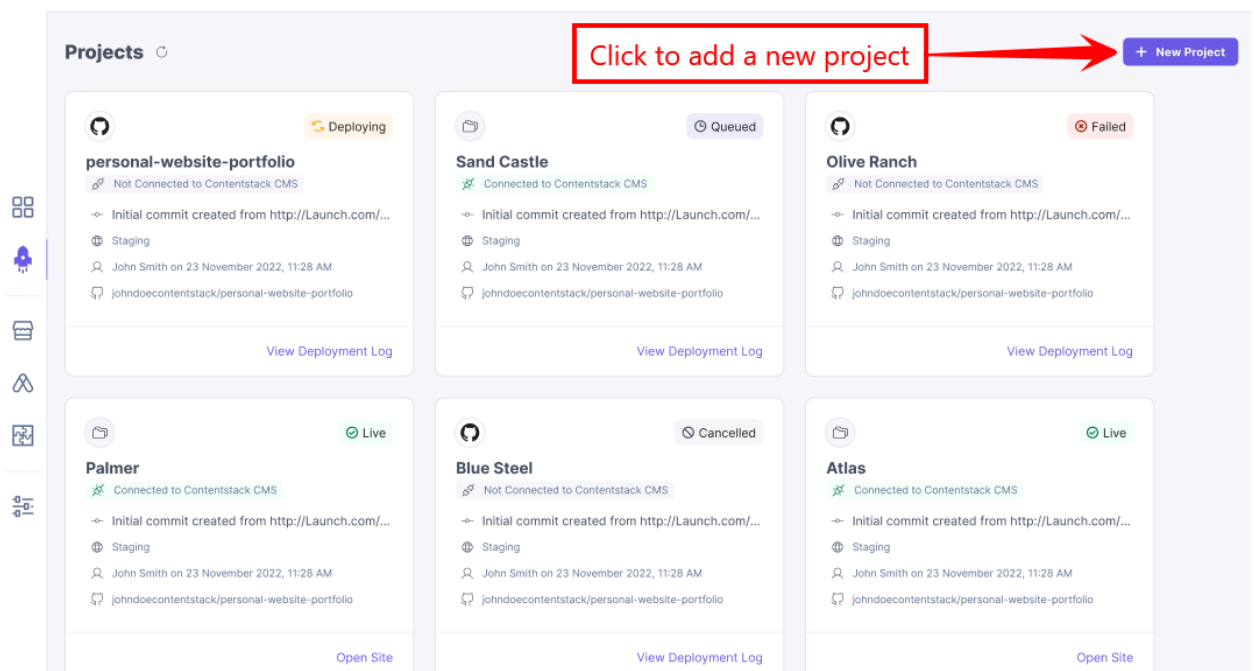
Steps for Execution

Follow the steps given below to deploy your first Launch project using GitHub:

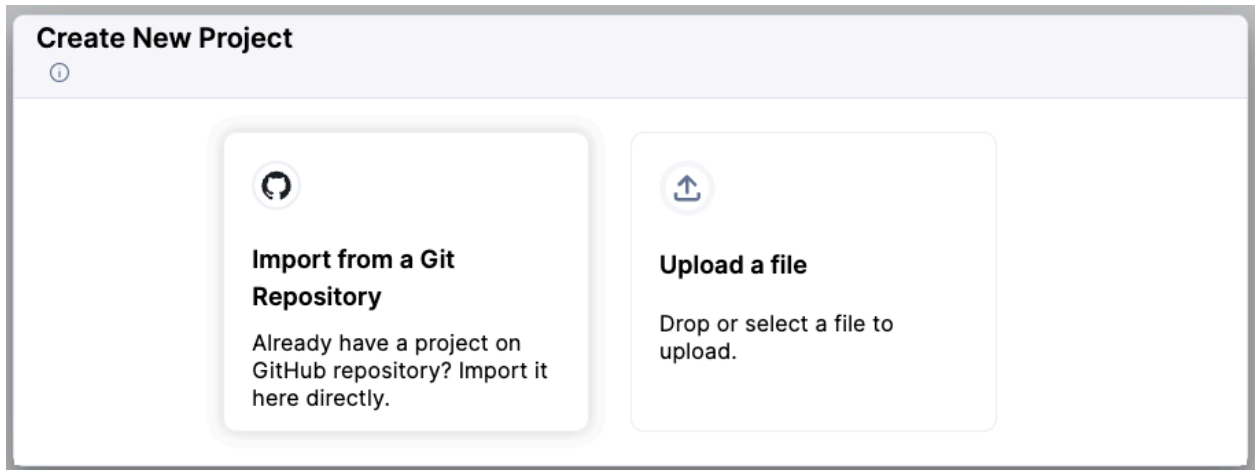
1. Log into Contentstack and click the Launch icon from the left navigation panel, as shown below:



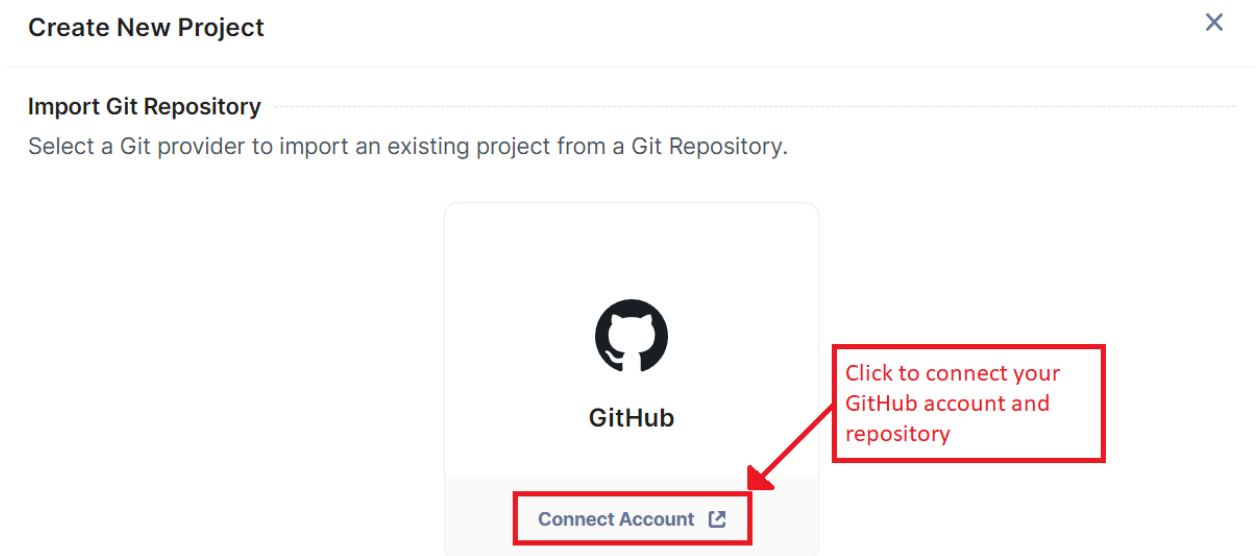
2. Click the + New Project button:



3. In the Create New Project modal, click Import from a Git Repository. (Note: You can also choose to [upload a .zip file to create your project.](#))



4. Click GitHub:



This will open a modal window to authenticate with your GitHub account.

5. Enter your credentials and log in:



Sign in to **GitHub**  
to continue to **Contentstack Launch**

Username or email address

Password

[Forgot password?](#)

**Sign in**

New to GitHub? [Create an account.](#)

6. In the Repository Access section, select All repositories.

Note: If you want to choose specific repositories, pick the Only select repositories option and choose the required repository.

### Repository access

☒ **All repositories**

This applies to all current *and* future repositories owned by the resource owner.  
Also includes public repositories (read-only).

☐ **Only select repositories**

Select at least one repository.  
Also includes public repositories (read-only).

Save


Cancel

7. Click the Save button

Note: If you are accessing GitHub through Contentstack for the first time, you must authorize Contentstack by clicking the "Install & Authorize" button after selecting All repositories.



## Install & Authorize Contentstack Launch

Install & Authorize on your personal account 

☒ **All repositories**

This applies to all current *and* future repositories owned by the resource owner.  
Also includes public repositories (read-only).

☐ **Only select repositories**

Select at least one repository.  
Also includes public repositories (read-only).

with these permissions:

- ✓ **Read** access to metadata and pull requests
- ✓ **Read** and **write** access to administration, code, commit statuses, repository hooks, and workflows

Click to install and authorize

**Install & Authorize**

Cancel

Next: you'll be redirected to <https://app.contentstack.com/connected-apps/callback>

Once you've connected your GitHub account, you'll be redirected back to Launch.

8. In the Create New Project modal, add the following details.
  1. Repository (Mandatory): Select your Git repository.
  2. Git Branch (Mandatory): By default, master or main is selected as the branch. You can choose another branch from the dropdown.
  3. Project Name (Mandatory): This is auto-populated when you select the repository, but you can edit it as needed.
  4. Environment Name (Mandatory): The environment name is automatically populated as Default, but can be changed. Note that this is specific to Launch and not directly related to any environments in your stack.
  5. Build and Output Settings (Mandatory): The fields in this section get auto-populated based on the detected framework. (If no framework is detected, you can specify your own Build Command and Output Directory.)
  6. Environment Variables (Optional): Enter the key and value of one or more environment variables. You can also use the "Connect and Import Variables" option to automatically import API-related variables from a specific stack and delivery token.



← Create New Project



Repository

TestUser101/contentstack-nextjs-starter-app



Git Branch\*

master



Detected framework: NextJs

Project Name\*

contentstack-nextjs-starter-app

Environment Name\*

Default

Build and Output Settings

Framework Preset\*

NEXTJS



Build Command

npm run build

Output Directory\*

./next

Environment Variables

Cancel

← Back

🚀 Deploy

## ← Create New Project

### Build and Output Settings

Framework Preset\*

NEXTJS

Build Command

npm run build

Output Directory\*

./next

### Environment Variables



Connect and Import Variables

Key Value Edit

Bulk Edit

Key and Value\*

CONTENTSTACK\_API\_HOST=api.domain.io

CONTENTSTACK\_CDN=cdn.domain.com

CONTENTSTACK\_API\_KEY=vn3 33h

CONTENTSTACK\_DELIVERY\_TOKEN=ljnv d08

CONTENTSTACK\_ENVIRONMENT=production

Cancel

← Back

Deploy

Note: Click Back to revert the changes and re-enter details.

9. Once ready, click Deploy to save and deploy the project.

You'll see the project's status update in real time, from Queued to Deploying to Deployed. Note: depending on the size and complexity of your specific application, it may take several minutes to build and deploy your site.

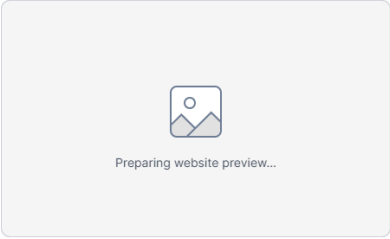
Deployments

Default

#1 - Merge pull request #...  
a few seconds ago

#1 - Merge pull request #1 from /FIX-Package-lock Fix: react-json-view peer dependency

Deployment Information



URL

contentstack-nextjs-starter-...contentstackapps.com

Branch

master  
45

Git Repository

contentstack-nextjs-starter-app

Created

a few seconds ago

Deploying

Logs

Deployment Logs

Server Logs

```

2023-05-05 13:24:39.694 Cloning repository...
2023-05-05 13:24:47.591 Installing dependencies...

```

Upon successful deployment, you will see the following screen:

Project  
Contentstack-Nextjs-Starter


Deployments

Default

#1 - First commit  
a few seconds ago

#1 - First commit

Deployment Information



URL

contentstack-nextjs-starter...contentstackapps.com

Branch

main  
538143

Git Repository

contentstack-nextjs-starter

Created

2 minutes ago

Redeploy

Logs

Deployment Logs

Server Logs

```

2023-08-31 16:08:32.105 Cloning repository...
2023-08-31 16:08:42.584 Installing dependencies...
2023-08-31 16:08:50.168 npm WARN deprecated rollup-plugin-terser@7.0.2: This package has been deprecated and is no longer maintained. Please use @rollup/plugin-terser
2023-08-31 16:08:50.332 npm WARN deprecated sourcemap-codec@1.4.8: Please use @jridgewell/sourcemap-codec instead
2023-08-31 16:08:58.806 added 678 packages, and audited 679 packages in 11s
2023-08-31 16:08:58.810 130 packages are looking for funding
2023-08-31 16:08:58.813 run 'npm fund' for details
2023-08-31 16:08:58.816 2 moderate severity vulnerabilities
2023-08-31 16:08:58.820 To address all issues, run:
2023-08-31 16:08:58.822 npm audit fix
2023-08-31 16:08:58.825 Run 'npm audit' for details.
2023-08-31 16:08:58.828 npm notice
2023-08-31 16:08:58.831 npm notice New major version of npm available! 9.5.0 -> 10.0.0
2023-08-31 16:08:58.834 npm notice Changelog: <https://github.com/npm/cli/releases/tag/v10.0.0>
2023-08-31 16:08:58.837 npm notice Run 'npm install -g npm@10.0.0' to update!
2023-08-31 16:08:58.840 npm notice
2023-08-31 16:09:06.546 Init build...
2023-08-31 16:09:07.728 > contentstack-nextjs-starter-app@2.0.4 build
2023-08-31 16:09:07.732 > next build
2023-08-31 16:09:09.170 Attention: Next.js now collects completely anonymous
2023-08-31 16:09:09.175 This information is used to shape Next.js' roadmap and prioritize features.

```

You can preview the deployed website by copying the URL from the URL section under Deployment Information and opening it in a browser. If you want to deploy the changes from any other commits, you can click the Redeploy button and choose the required commit.


← Deployments

▼ Default

#1 - Merge pull request #1...  
● In a few seconds

#1 - Merge pull request #1 from /FIX-Package-lock Fix: react-json-view peer dependency ●

Deployment Information



URL

contentstack-nextjs-starter- contentstackapps.com

Branch

master  
45 4

Git Repository

contentstack-nextjs-starter-app

Created

2 minutes ago

11 Redeploy

Logs

Deployment Logs ⓘ Server Logs ⓘ

```
2023-05-05 13:54:05.074 Cloning repository...
2023-05-05 13:54:14.674 Installing dependencies...
2023-05-05 13:54:19.691 npm WARN ERESOLVE overriding peer dependency
2023-05-05 13:54:19.693 npm WARN While resolving: flux@4.0.3
2023-05-05 13:54:19.695 npm WARN Found: react@18.2.0
```

Note: The log details of the current deployment can be found under the Logs section.

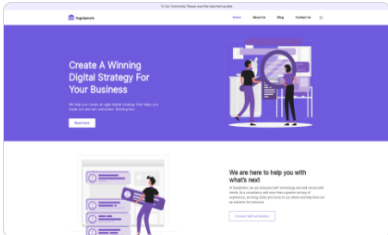
← Deployments

▼ Default

#1 - Merge pull request #1...  
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#1 - Merge pull request #1 from /FIX-Package-lock Fix: react-json-view peer dependency ●

Deployment Information



URL

contentstack-nextjs-starter- contentstackapps.com

Branch

master  
45 4

Git Repository

contentstack-nextjs-starter-app

Created

2 minutes ago

11 Redeploy

Logs

Deployment Logs ⓘ Server Logs ⓘ

```
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```