

Creating Pages Programmatically



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Summary



Create pages programmatically

One page per markdown file

Markdown content and metadata will be converted to HTML



Programmatic Page Creation in Gatsby



Gatsby is a static site generator at its core

React components under `/src/pages` are rendered as static HTML pages by default

The goal is to convert data (markdown files) into pages programmatically

Programmatic Page Creation in Gatsby



Programmatic page creation is turning data, like markdown files, into static HTML pages

4 markdown files equal 4 static HTML pages

Gatsby creates static assets at build time programmatically

There is an API that allows us to do this

Programmatic Page Creation in Gatsby



Introducing Gatsby API



onCreateNode

**Fired when a new node
is created**

A Node is a data object

Introducing Gatsby API



`node.internal.type
equals
'MarkdownRemark'`

Introducing Gatsby API



createNodeField

**Create additional fields
on existing nodes**

**We will use
createNodeField
function to create
friendly URLs**

Introducing Gatsby API



Demo



Creating friendly URLs



Creating Friendly URLs



react-powerful.md	localhost/ react-powerful
welcome.md	localhost/ welcome
graphql-many-data-sources.md	localhost/ graphql-many-data-sources
gatsby-awesome.md	localhost/ gatsby-awesome



Demo



Creating Gatsby templates



Demo



Creating pages programmatically



Demo



Link to pages created programmatically



Summary



onCreateNode

- Fired each time a node is updated or created

createNodeField

- Creates additional node fields

Created pages templates

- React components under /src/templates

createPages and createPage

- Creates a new page

