Knapværk Deployment Guide

Complete step-by-step guide to deploy your new Next.js + Sanity site to GitHub Pages

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📋 Prerequisites

- GitHub account
- Git installed on your computer
- Node.js 18+ installed (download here)
- Your existing GitHub repository

Part 1: Set Up Project Locally

Step 1: Download All Artifacts

I've created these files for you. Download them all and organize like this:

```
knapvaerk-next/
├── .github/
│   └── workflows/
│       └── deploy.yml
├── app/
│   ├── layout.jsx
│   ├── page.jsx
│   └── globals.css
├── components/
│   ├── Navigation.jsx
│   ├── Navigation.module.css
│   ├── Hero.jsx
│   ├── Hero.module.css
│   ├── GallerySection.jsx
│   ├── GallerySection.module.css
│   ├── ContactForm.jsx
│   ├── ContactForm.module.css
│   ├── Footer.jsx
│   └── Footer.module.css
├── lib/
│   └── sanity.js
├── sanity/
│   ├── config.js
│   └── schema.js
├── public/
│   └── assets/
│       └── images/
│           └── logo1.svg (copy from your current site)
├── next.config.js
├── package.json
├── .gitignore
└── README.md
```

Step 2: Create .gitignore

Create a `.gitignore` file in the root:

```
# Dependencies
node_modules/
/.pnp
.pnp.js

# Testing
/coverage

# Next.js
/.next/
/out/

# Production
/build

# Misc
.DS_Store
*.pem

# Debug
npm-debug.log*
yarn-debug.log*
yarn-error.log*

# Local env files
.env.local
.env.development.local
.env.test.local
.env.production.local

# Vercel
.vercel
```

Step 3: Install Dependencies

Open terminal in your project folder:

```bash
npm install
```

This will install all the packages listed in `package.json`.

Step 4: Test Locally

```bash
```

```
npm run dev
```

Open http://localhost:3000 in your browser. You should see your site!

Expected:

- Navigation works
- Hero shows (logo will be placeholder if you haven't added it yet)
- Gallery sections say "Billeder vil blive vist her..." (that's normal - no Sanity data yet)
- Contact form works
- Footer shows

Press Ctrl+C to stop the dev server.

Part 2: Set Up Sanity CMS

Step 1: Create Sanity Account

1. Go to sanity.io
2. Click "Get started"
3. Sign up with GitHub (easiest) or email
4. It's FREE!

Step 2: Create Sanity Project

1. Click "Create new project"
2. Project name: "Knapværk"
3. Choose "Production" dataset
4. Note your **Project ID** (looks like: abc12345)

Step 3: Install Sanity CLI

bash

```bash
npm install -g @sanity/cli
```

Step 4: Initialize Sanity Studio

In your project folder:

```bash
npx sanity init
```

Answer the prompts:

- Select project: Choose "Knapværk" (the one you just created)
- Use default dataset: Yes
- Project output path: `./studio`

Step 5: Set Up Sanity Schema

1. Go to `studio/schemas` folder
2. Delete everything in there
3. Create `index.js`:

```javascript
import {schemaTypes} from '../../sanity/schema'

export default {
  name: 'default',
  title: 'Knapværk Content',
  types: schemaTypes,
}
```

Step 6: Start Sanity Studio

```bash
cd studio
npx sanity start
```

This opens http://localhost:3333

First time setup:

- You'll see the admin panel
- It will ask you to log in
- Use the same account you created

Step 7: Deploy Sanity Studio

```bash
npx sanity deploy
```

Choose a studio hostname (e.g., "knapvaerk")

Your studio will now be at: `https://knapvaerk.sanity.studio`

Part 3: Connect Next.js to Sanity

Step 1: Create Environment Variables

In your project root, create `.env.local`:

```
NEXT_PUBLIC_SANITY_PROJECT_ID=your-project-id-here
NEXT_PUBLIC_SANITY_DATASET=production
```

Replace `your-project-id-here` with your actual Sanity project ID.

Step 2: Test the Connection

```bash
npm run dev
```

Site should still work (still no images yet - that's next!)

Part 4: Add Content to Sanity

Step 1: Open Your Sanity Studio

Go to `https://your-studio-name.sanity.studio` (or run `npx sanity start` locally)

Step 2: Create Site Settings

1. Click "+ Create" → "Site Settings"
2. Fill in:
   - Site Title: KNAPVÆRK
   - Description: Your description
   - Upload Logo: Upload your logo1.svg

   - Footer info: CVR, address, etc.

3. Click "Publish"

Step 3: Create Gallery Sections

For "Udvalgte værker":

1. Click "+ Create" → "Gallery Section"
2. Fill in:
   - Section Title: "Udvalgte værker"
   - Slug: Click "Generate" (becomes "udvalgte-vaerker")
   - Subtitle: Your description
   - Meta Text: "Håndlavet i Danmark"
   - Upload 4 images from your current site
   - Order: 1
3. Click "Publish"

For "Håndværk":

1. Repeat above
2. Section Title: "Håndværk"
3. Slug: Generate (becomes "haandvaerk")
4. Upload your craft images
5. Order: 2
6. Publish

Step 4: Test Locally Again

```bash
npm run dev
```

Refresh your browser - **your images should now appear!** 🎉

Part 5: Deploy to GitHub Pages

Step 1: Update next.config.js

If your site will be at `username.github.io/knapvaerk`, uncomment and update:

javascript

```javascript
basePath: '/knapvaerk',
```

If using a custom domain or root deployment (username.github.io), leave it commented out.

Step 2: Add GitHub Secrets

1. Go to your GitHub repository
2. Click "Settings" → "Secrets and variables" → "Actions"
3. Click "New repository secret"
4. Add these secrets:
   - Name: `NEXT_PUBLIC_SANITY_PROJECT_ID`
   - Value: Your Sanity project ID
   - Click "Add secret"
5. Add another:
   - Name: `NEXT_PUBLIC_SANITY_DATASET`
   - Value: `production`
   - Click "Add secret"

Step 3: Enable GitHub Pages

1. In your repo, go to Settings → Pages
2. Source: "GitHub Actions"
3. Save

Step 4: Push Your Code

bash

```
# Initialize git (if not already)
git init

# Add all files
git add .

# Commit
git commit -m "Rebuild with Next.js and Sanity"

# Add remote (replace with your repo URL)
git remote add origin https://github.com/yourusername/knapvaerk.git

# Push
git push -u origin main
```

Step 5: Watch Deployment

1. Go to your repo → "Actions" tab
2. You'll see "Deploy to GitHub Pages" running
3. Wait 2-3 minutes
4. When green checkmark appears: **YOU'RE LIVE!** 🚀

Your site is now at:

- `https://yourusername.github.io/knapvaerk` (if using basePath)
- OR your custom domain

Part 6: Set Up Sanity Webhook (Auto-deploy on content changes)

Step 1: Create GitHub Personal Access Token

1. Go to GitHub → Settings → Developer settings → Personal access tokens → Tokens (classic)
2. Generate new token (classic)
3. Name: "Sanity Webhook"
4. Scopes: Select `repo` (all checkboxes)
5. Generate token
6. **COPY IT** (you won't see it again!)

Step 2: Add Webhook to Sanity

1. Go to sanity.io/manage
2. Select your project
3. Click "API" → "Webhooks"
4. Click "Create webhook"
5. Fill in:
   - Name: "GitHub Deploy"
   - URL: `https://api.github.com/repos/YOUR-USERNAME/YOUR-REPO/dispatches`
   - Dataset: "production"
   - Trigger on: "Create", "Update", "Delete"
   - HTTP method: POST
   - HTTP Headers:
     - Name: `Authorization`
     - Value: `token YOUR-GITHUB-TOKEN-HERE`
     - Name: `Accept`
     - Value: `application/vnd.github.v3+json`
   - Payload:

```json
{
  "event_type": "sanity-update"
}
```

6. Save webhook

Step 3: Test It!

1. Go to your Sanity Studio
2. Edit a gallery section
3. Upload a new image
4. Click "Publish"
5. Wait 2-3 minutes
6. Refresh your live site
7. **New image appears!** ✨

Part 7: Daily Usage

Updating Content (Easy!)

1. Go to `https://your-studio-name.sanity.studio`
2. Log in
3. Edit whatever you want:
   - Add/remove images
   - Change text
   - Add new products (when ready)
4. Click "Publish"
5. Wait 2-3 minutes
6. Changes are live!

Updating Code/Design (When needed)

1. Make changes locally
2. Test with `npm run dev`
3. When happy:

```bash
git add .
git commit -m "Your changes"
git push
```

4. Wait 2-3 minutes
5. Changes are live!

🎯 Troubleshooting

"Images not showing"

- Check Sanity project ID in `.env.local`
- Verify you published (not just saved) in Sanity
- Check browser console for errors

"Build failing on GitHub"

- Check Actions tab for error messages
- Verify secrets are set correctly
- Make sure all files are pushed

"Webhook not triggering"

- Check webhook URL is correct
- Verify GitHub token has `repo` permissions
- Check Sanity webhook logs

"Site not updating"

- Clear browser cache (Cmd/Ctrl + Shift + R)
- Check GitHub Actions - did build succeed?
- Check Sanity webhook sent successfully

🎉 You're Done!

You now have:

- ✅ Modern Next.js site
- ✅ Easy content management with Sanity
- ✅ Auto-deploy to GitHub Pages
- ✅ Auto-updates when content changes
- ✅ Ready for e-commerce integration

📞 Need Help?

If you get stuck:

1. Check the error message carefully
2. Google the error (usually someone had it before)
3. Ask me! Paste the error and I'll help

Common helpful commands:

```bash
# Check Node version
node -v

# Clean install
rm -rf node_modules package-lock.json
npm install

# Force rebuild
npm run export

# Check for errors
npm run build
```

Good luck with the launch! 🚀