

4. Write a report on running your own website using Namecheap and github.

➤ Introduction

Creating and hosting your own website can be a rewarding endeavor, whether for personal, professional, or business purposes. Two popular tools that can simplify this process are Namecheap for domain registration and GitHub Pages for hosting. This report will guide you through the process of setting up and running a website using these platforms.

1. Domain Registration with Namecheap

Namecheap is a reputable domain registrar known for its affordable prices and user-friendly interface. Here are the steps to register a domain with Namecheap:

Step 1: Search for a Domain

1. Go to [Namecheap's website](#).
2. Use the search bar to find an available domain name that suits your website.

Step 2: Register the Domain

1. Once you find an available domain, add it to your cart.
2. Proceed to checkout and create a Namecheap account if you don't have one.
3. Complete the purchase by providing the necessary payment details.

Step 3: Manage Domain Settings

1. After purchasing, go to your Namecheap dashboard.
2. Navigate to “Domain List” and select your newly registered domain.
3. Click on “Manage” to configure domain settings.

2. Setting Up GitHub Pages

GitHub Pages is a free service provided by GitHub that allows you to host static websites directly from a GitHub repository. Here’s how to set it up:

Step 1: Create a GitHub Repository

1. Go to [GitHub](https://github.com) and sign in or create an account.
2. Click on the “+” icon in the top right corner and select “New repository.”
3. Name your repository (e.g., my-website), and make sure to keep it public.
4. Initialize the repository with a README file if desired.

Step 2: Add Website Files

1. Clone the repository to your local machine using Git:

```
bash
```

[Copy code](#)

```
git clone https://github.com/your-username/my-website.git
```

2. Add your HTML, CSS, JavaScript, and other static files to the repository folder.
3. Commit and push the changes to GitHub:

```
sql Copy code  
  
git add .  
git commit -m "Initial commit"  
git push origin main
```

Step 3: Enable GitHub Pages

1. Go to the repository on GitHub.
2. Navigate to “Settings” > “Pages” in the sidebar.
3. Under “Source,” select the branch you want to use (typically main or gh-pages).
4. Click “Save,” and GitHub Pages will provide a URL for your website (e.g., <https://your-username.github.io/my-website>).

3. Connecting Namecheap Domain to GitHub Pages

To use your custom domain from Namecheap with GitHub Pages, follow these steps:

Step 1: Configure DNS Settings in Namecheap

1. Go to your Namecheap dashboard and navigate to “Domain List.”

2. Select your domain and click “Manage.”
3. Go to the “Advanced DNS” tab.
4. Add the following records:
 - CNAME Record: Set the host to `www` and the value to `your-username.github.io`.
 - A Record: Set the host to `@` and the value to the GitHub Pages IP addresses:

```
185.199.108.153
185.199.109.153
185.199.110.153
185.199.111.153
```

Step 2: Update GitHub Pages Configuration

1. In your GitHub repository, create a file named `CNAME` in the root directory.
2. Add your custom domain (e.g., `www.yourdomain.com`) to the `CNAME` file and commit the changes.

Step 3: Verify and Wait

1. DNS changes can take some time to propagate, usually within 24-48 hours.
2. Once the changes propagate, navigating to your custom domain should display your GitHub Pages website.

Conclusion

By following these steps, you can successfully set up and run your own website using Namecheap for domain registration and GitHub Pages for hosting. This combination offers an affordable and efficient solution for hosting static websites, providing you with the flexibility to create and maintain a professional online presence.