Publishing a Website on GitHub Pages: A Step-by-Step Guide

1 Introduction

Creating a professional online presence is essential for showcasing projects. This document outlines deploying an HTML website on GitHub Pages, a free static site hosting service provided by GitHub.

2 Prerequisites

Ensuring preparation before starting:

- A GitHub account (accessible at github.com).

- Basic HTML file (e.g., index.html) ready for upload.

- Internet connection for repository management.

3 Step-by-Step Process

Following these steps for successful deployment:

1. **Create a Repository**: Log into GitHub, click the "+" icon, select "New repository". Name it "<your-username>.github.io", add a README, and create it.

2. **Upload HTML File**: Navigate to the repository, click "Add file" > "Upload files", upload index.html, add a commit message, and commit.

3. **Enable GitHub Pages**: Go to "Settings" > "Pages", set "Source" to "Deploy from a branch" with "main" branch and "/" folder, then save.

4. **Obtain Link**: After deployment (up to 10 minutes), find the URL (e.g., https://<your-username>.github.io) under "Pages" and test it.

5. **Verify and Update**: Check the site, edit the file on GitHub for updates, and commit changes for automatic redeployment.

4 Additional Notes

Considering these points for maintenance:

- Site size limit is 1GB, with a 100GB monthly bandwidth cap.

- HTTPS is enabled by default for security.

- Custom domains are supported via DNS configuration (see GitHub documentation).

5 Conclusion

Deploying on GitHub Pages offers a simple, cost-free solution for hosting static websites. Regular updates ensure content remains current.