

GitHub Pages Deployment Setup

Finanzas SD – Architecture, Flows & SOPs

Arquitectura, Flujos y Procedimientos

1 GitHub Pages Deployment Setup

This document outlines the GitHub Pages deployment configuration for the Financial Planning & Management UI.

1.1 □ Configured Files

1.1.1 1. GitHub Actions Workflow (`.github/workflows/deploy.yml`)

- **Trigger:** Pushes to main branch and pull requests
- **Build Process:**
 - Node.js 18 setup with npm caching
 - TypeScript type checking
 - ESLint linting
 - Vite production build
- **Deployment:** Automatic deployment to GitHub Pages on main branch pushes
- **Permissions:** Configured for GitHub Pages deployment with proper GITHUB_TOKEN permissions

1.1.2 2. Vite Configuration Updates (`vite.config.ts`)

- **Base Path:** Set to `/financial-planning-u/` for GitHub Pages compatibility
- **Build Optimization:**
 - Source maps enabled for debugging
 - Manual chunks for better caching (react-vendor, router, query, charts, ui)
 - Output directory: `dist/`

1.1.3 3. PR Template (`.github/pull_request_template.md`)

- Comprehensive QC checklist covering visual, data, export, navigation, and technical requirements
- Scope compliance verification (no ITSM features)
- Documentation and testing guidelines

1.2 □ Enabling GitHub Pages

1.2.1 Repository Settings Required:

1. **Go to Repository Settings → Pages**
2. **Source:** Deploy from a branch
3. **Branch:** Select `gh-pages` (will be created by GitHub Actions)

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- 4. **Folder:** / (root)

1.2.2 Deployment Process:

- 1. **Push to main** → GitHub Actions triggered
- 2. **Build succeeds** → Artifact uploaded to gh-pages branch
- 3. **GitHub Pages** → Automatically serves content from gh-pages
- 4. **Live URL:** [https://\[username\].github.io/financial-planning-u/](https://[username].github.io/financial-planning-u/)

1.3 □ Manual Setup Steps

Since GitHub Actions cannot modify repository settings, you need to manually:

- 1. **Navigate to** your repository on GitHub.com
- 2. **Click “Settings”** tab (requires admin access)
- 3. **Scroll down to “Pages”** in left sidebar
- 4. **Select Source:** “Deploy from a branch”
- 5. **Select Branch:** gh-pages (will appear after first successful deployment)
- 6. **Select Folder:** / (root)
- 7. **Click “Save”**

1.4 □ Verification

After the first successful deployment: - Check the **Actions** tab for build status - The **Pages** section in Settings will show the live URL - Visit the URL to confirm the application loads correctly

1.5 □ Local Development

The base path configuration automatically switches: - **Development** (npm run dev): Base path / - **Production** (npm run build): Base path /financial-planning-u/

This ensures local development works normally while production deployment works on GitHub Pages.

1.6 □ Troubleshooting

1.6.1 Common Issues:

- **404 on assets:** Verify base path in vite.config.ts matches repository name
- **Build failures:** Check GitHub Actions logs in repository’s “Actions” tab
- **Pages not updating:** Check if Pages is enabled and gh-pages branch exists

1.6.2 Debugging:

- **Actions logs:** Full build and deployment logs available in GitHub Actions
- **Build artifact:** Download from Actions to verify contents locally
- **Production preview:** Use `npm run build && npm run preview` to test locally