

CVDex

DEPLOYMENT

Finanzas SD – Architecture, Flows & SOPs

Arquitectura, Flujos y Procedimientos

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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)
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/`

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