Ikusi

GitHub Pages Deployment Setup

Finanzas SD Documentation / Documentación de Finanzas SD

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Ikusi
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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 repositorys 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