Build & Deployment

Build Configuration

Angular build configuration in `angular.json`:

Project Name: `project` (generic name) **Output Directory:** `dist/agent` **Source Root:** `src`

Build Commands

Development Build

```
npm run build-dev
# Creates development build with source maps
# Output: dist/agent/
```

Production Build

```
npm run build
# Optimized production build
# Features:
#   - Minification
#   - Tree shaking
#   - AOT compilation
#   - Output hashing (cache busting)
# Output: dist/agent/
```

Build Optimization

Production Optimizations:

- Ahead-of-Time (AOT) compilation
- Bundle minification
- Dead code elimination (tree shaking)
- Output hashing for cache busting (`--output-hashing=all`)

- Lazy loading for smaller initial bundle

Deployment Steps

1. **Build the application**

```
npm run build
```

2. **Deploy `dist/agent/` directory to web server**
   - Configure web server for single-page application
   - Redirect all routes to `index.html`
3. **Configure API endpoints**
   - Update `src/app/addrezz.ts` before building
   - Set production API URLs
4. **Environment Configuration**
   - Production: `src/environments/environment.prod.ts`
   - Development: `src/environments/environment.ts`

Web Server Configuration

Nginx Example:

```
server {
    listen 80;
    server_name yourdomain.com;
    root /path/to/dist/agent;
    index index.html;

    location / {
        try_files $uri $uri/ /index.html;
    }
}
```

Apache Example:

```
<IfModule mod_rewrite.c>
    RewriteEngine On
    RewriteBase /
    RewriteRule ^index\.html$ - [L]
    RewriteCond %{REQUEST_FILENAME} !-f
```

```
    RewriteCond %{REQUEST_FILENAME} !-d
    RewriteRule . /index.html [L]
</IfModule>
```

Performance Considerations

1. **Lazy Loading** - Feature modules loaded on demand
2. **Code Splitting** - Separate bundles for vendor and app code
3. **Output Hashing** - Cache busting for updated files
4. **Compression** - Enable gzip/brotli on web server
5. **CDN** - Serve static assets from CDN

Revision #1
Created 24 February 2026 07:15:21 by ondeliveloper
Updated 24 February 2026 07:15:40 by ondeliveloper