



# The SPFx 1.23 Zero-to-Production Checklist

## Environment & Setup

- Node 22 or Node 24 LTS is actively running (`node -v`).
- Gulp CLI and Yeoman generator are updated to the latest global versions.

## Architecture & UI

- React strict mode side-effects are accounted for.
- Fluent UI React v9 is implemented for native Microsoft visual compliance.

## Data & Network

- PnPjs is installed and configured for data operations.
- Multiple SharePoint REST queries are batched to reduce tenant network latency.

## Performance & Build

- Webpack chunking is configured for heavy libraries.
- Lazy loading is applied to non-critical UI components.
- The project compiles cleanly using `gulp bundle --ship` without warnings.

## Security & Permissions

- No raw API keys or secrets are hardcoded in the client-side `.ts/.tsx` files.
- External API calls are proxied securely through Azure Functions.
- `npm audit` returns zero critical vulnerabilities.

## Deployment & CI/CD

- Version number in `package-solution.json` has been strictly incremented.



- [ ] Automated GitHub Actions pipeline passes all build and test steps before pushing to the App Catalog.