

# Practical Nx Part 2



Sensei Meetup

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# Upgrade Nx Packages

- 🛑 don't use: `yarn upgrade`
- packages may contain automatic migrations:

```
// migrations.json
{
  "migrations": [
    {
      "version": "13.10.0-beta.0",
      "description": "Update the decorate-angular-cli script to",
      "cli": "nx",
      "implementation": "./src/migrations/update-13-10-0/update-",
      "package": "@nrwl/workspace",
      "name": "13-10-0-update-decorate-cli"
    },
    // ...
  ]
}
```



# Upgrade Nx Packages

```
yarn nx migrate latest  
yarn  
yarn nx migrate --run-migrations
```

see [Nx docs](#) for more info

# Design System Library 🧑🎨 part 2

```
# Move molecules/{Field.tsx, FormikField.tsx,  
# LoadingButton.tsx, ReloadButton.tsx} to design-system
```

```
yarn nx affected:lint  
yarn nx affected:lint --max-warnings=0
```

# Navigation and Auth Libraries

```
# import { route } from 'src/Routes'  
yarn nx g @nrwl/react:lib utility \  
  --directory=navigation --style=none
```

```
# src/utils/auth  
yarn nx g @nrwl/react:lib context-ui \  
  --directory=auth --style=none
```

```
# o/TopNavigation, t/Placeholder, t/PageNotFound  
yarn nx g @nrwl/react:lib ui \  
  --directory=navigation --style=none
```

```
# SignIn/Up forms and templates  
yarn nx g @nrwl/react:lib ui \  
  --directory=auth --style=none
```

```
# SignIn/Up pages  
yarn nx g @nrwl/react:lib feature \  
  --directory=auth --style=none
```

# Quack Libraries

```
yarn nx g @nrwl/react:lib ui \  
  --directory=quack --style=none
```

```
yarn nx g @nrwl/react:lib feature \  
  --directory=quack --style=none
```

# Nx Affected

```
yarn nx affected:graph --open=false
```

```
# CI/CD
```

```
yarn --silent nx affected:apps --plain
```

```
yarn --silent nx affected:libs --plain
```



# Module Boundaries




```
// .eslintrc.json
{
  // ...
  "@nrwl/nx/enforce-module-boundaries": [
    // ...
    "depConstraints": [
      {
        "sourceTag": "type:feature",
        "onlyDependOnLibsWithTags": ["type:ui", "type:util", "type:data-access"]
      },
      {
        "sourceTag": "type:ui",
        "onlyDependOnLibsWithTags": ["type:ui", "type:util"]
      },
      {
        "sourceTag": "type:data-access",
        "onlyDependOnLibsWithTags": ["type:data-access", "type:util"]
      },
      {
        "sourceTag": "type:util",
        "onlyDependOnLibsWithTags": ["type:util"]
      }
    ]
  }
  // ...
}
```

see [Nx docs](#) for more info



# Recapitulation



- part 1
  - initiate Nx tools 
  - generate apps and libs
  - tasks: serve, lint, format
  - dependancy graph 
  - affected 
- part 2
  - ⚡ library types
  - ⚡ boundaries

# More Resources



- <https://monorepo.tools/>
- <https://nx.dev/>
- Effective React Development with Nx - free 90 pages PDF

# Thank you for your attention! 🙏

<https://github.com/heracek/practical-nx>

- `initial-state` branch
- `main-part1` branch (state at the end of presentation part 1)
- `main-part2` branch (state at the end of presentation part 2)
- `final` branch (full monorepo)