Yarn Node package manager

CONCEPTS

Yarn 4 is set per project: yarn set version stable writes the version into package.json (packageManager), and Corepack picks it up.

package.json ranges you want
↓ resolve
yarn.lock exact versions
↓ fetch
Cache zipped packages
↓ link
Install PnP or node_modules

By default Yarn 4 uses Plug'n'Play and writes no node_modules; set nodeLinker: node-modules in .yarnrc.yml if a tool needs the folder.

INSTALL AND ADD

yarn install
Install all dependencies

yarn add *<pkg>*
Add a dependency

yarn add -D *<pkg>*
Add a dev dependency

yarn add *<pkg>*@*<version>*
Add a specific version or tag

yarn install --immutable
Fail if the lockfile would change

REMOVE AND UPDATE

yarn remove *<pkg>*
Remove a dependency

yarn up *<pkg>*
Upgrade a package

yarn up "*"
Upgrade everything

yarn up -i
Pick upgrades interactively

yarn set version stable
Pin the latest stable Yarn

RUN SCRIPTS

yarn run *<script>*
Run a package script

RUN SCRIPTS (cont.)

yarn *<script>*
Shorthand for yarn run

yarn run *<bin>*
Run a dependency's binary

yarn dlx *<pkg>* **[args]**
Fetch and run without installing

yarn init
Create a package.json

INSPECT

yarn info *<pkg>*
Show info about a package

yarn why *<pkg>*
Show why a package is installed

yarn npm audit
Check for known vulnerabilities

WORKSPACES

yarn workspaces list
List all workspaces

yarn workspace *<name>* *<cmd>*
Run a command in one workspace

yarn workspace *<name>* **add** *<pkg>*
Add a dependency to one workspace

yarn workspaces foreach -A run *<script>*
Run in every workspace

yarn workspaces foreach -Apt run *<script>*
Parallel, dependencies first

yarn workspaces foreach --since=*<ref>* **-A run** *<script>*
Only workspaces changed since a ref

Workspaces in package.json

```
{
  "private": true,
  "workspaces": ["packages/*"]
}
```

CONFIG, PATCHING AND PUBLISHING

yarn config set *<key>* *<value>*
Write a project setting

yarn npm publish
Publish the workspace