

Tools

npm run

Tools in JS

- Transpilers
- Linters
- Bundlers
- Testers
- Builders

Transpilers

- Why? Javascript variants / versions
- Browser / NodeJS implementations
- ES5 —> ES6 —> ES7
- Babel
 - Write ES7, Deploy ES5
 - Take advantage of latest language features

Linters

- Why? Aim to write code for others
- Static Code Analysis
- ESLint: highly configurable rules

Bundlers

- Why? Dependencies
- Webpack
 - Live updates
 - Workflows
 - Track dependencies

Testers

- Why? Quality
- Mocha
 - Write tests
 - Coverage
 - Continuous Integration

Builders

- Why? Code needs to run elsewhere
- npm run...

Continuous Integration

code

run

code

push

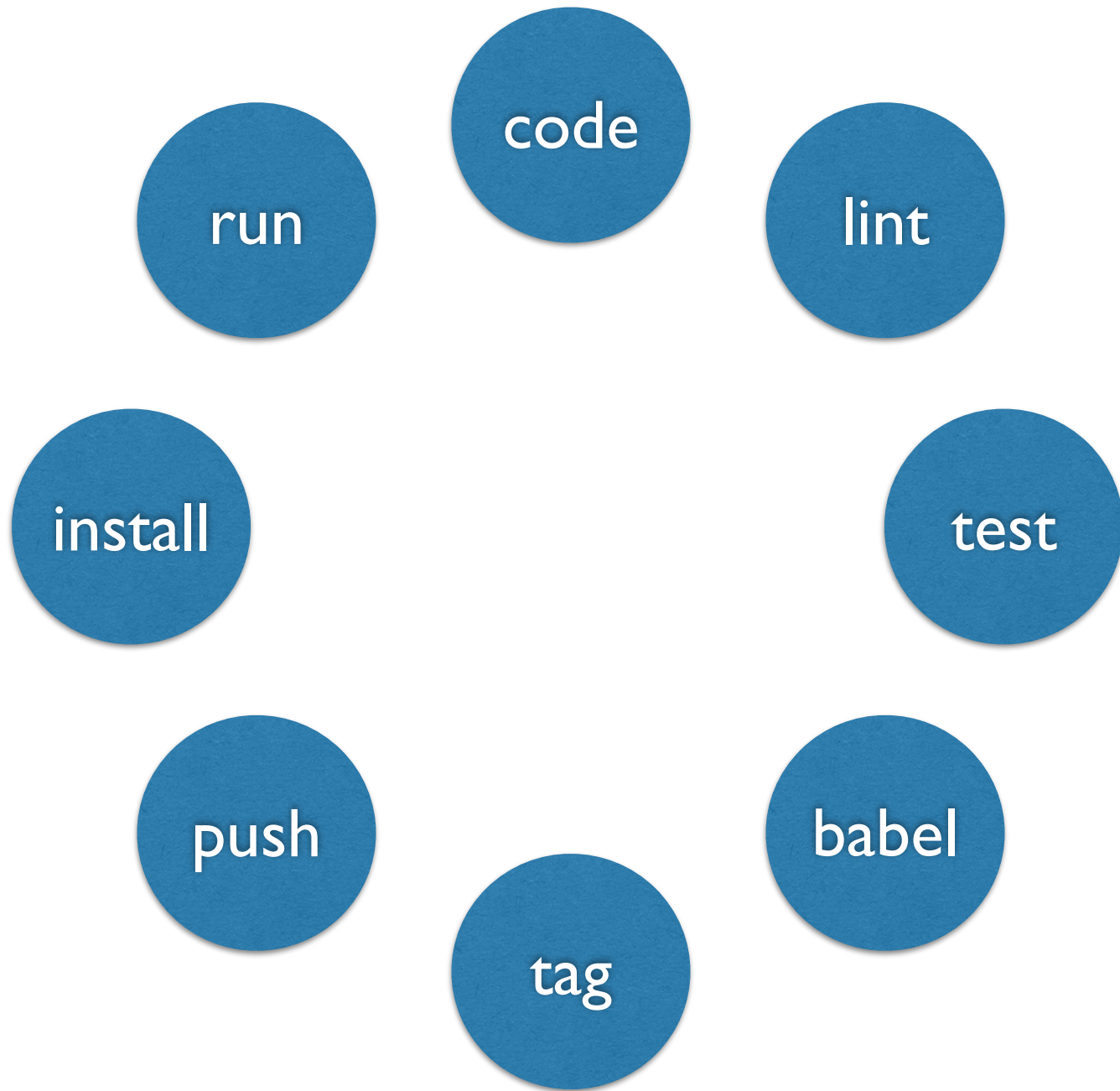
run

code

test

run

push



C.I.

- Best Practices
 - Automate Build process
 - Self-Test
 - Everyone commits to main branch
 - New commits trigger build/deploy
 - Test in a Production clone

Trends

- Microservices
- Cloud-based computing
- Dynamic load balancing
- Serverless
- Zero-downtime.