

# NPM vs Yarn



2024

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NPM (Node Package Manager) and Yarn are JavaScript package managers, especially for Node.js projects. While both handle dependencies, they differ in speed, offline support, security, and commands, offering unique benefits for development.



# Speed

## Yarn

- Yarn is generally faster due to parallel installation and caching.

## NPM

- NPM has improved but may still be slower on large projects.



# Offline Mode

## Yarn

- Yarn fully supports offline installation via caching.

## NPM

- NPM's offline support is less robust.



# Dependency Locking

- Both use lock files (`yarn.lock` for Yarn, `package-lock.json` for NPM) to ensure consistent versions, though Yarn's was initially more reliable.



# Security

## Yarn

- Yarn uses checksums for integrity

## NPM

- NPM offers npm audit for security checks.



# Commands

## Yarn

- Yarn has shorter commands (yarn add, yarn remove)

## NPM

- NPM's are longer but more familiar to many developers.



# Community

## Yarn

- Yarn is popular for large, fast-paced projects.

## NPM

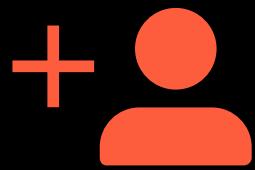
- NPM has a broader community as it's native to Node.js



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# That's it!



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