

# NPM: Node Package Manager

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# Why NPM?

**Share code with  
other developers**

**Re-use own code  
in other projects**

**Use code written  
by others**



**Code Sharing**

**Composability**



**Team Work**

**Versions**



NPM revolutionized the way  
JavaScript developers work

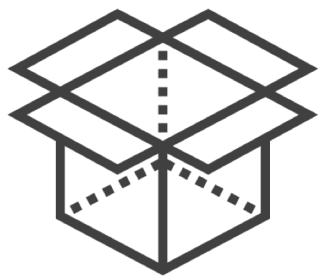


# What is a Package Manager?



# What is a Package?

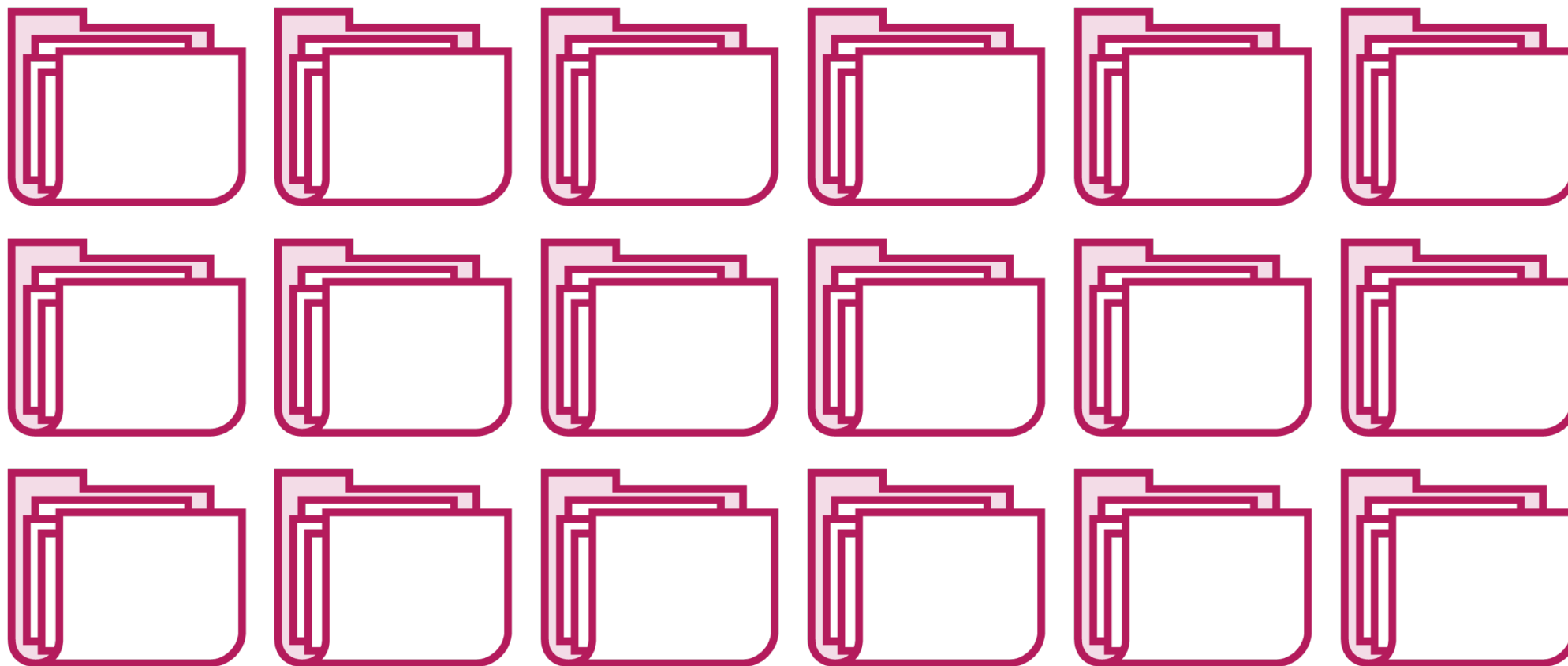




# Package (AKA Module)



# Managing Packages





# What Exactly is NPM?

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# The NPM Command

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# The package.json/package-lock.json Files

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# Semantic Versioning (SemVer)

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# 4.2.0

**Major**  
Breaking Changes

**Minor**  
Backward Compatible

**Patch**  
Bug Fixes



# ~ 1.2.3

1.2.4

1.2.5

1.3.0



# ^ 1.2.3

1.3.0

1.4.5

2.0.0



# Installing and Using NPM Packages

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# Creating and Publishing an NPM Package

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# NPX and the NPM Run Scripts

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# Updating NPM Packages

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npm update



## Wrap Up



Yarn ([yarnpkg.org](https://yarnpkg.org))

Why NPM

The npm command

package.json & package-lock.json

Semantic versioning

Local and global installs

Using npm packages in Node

Creating and publishing packages

NPX and run-scripts

Updaing packages



Next Up



**Node.js Concurrency**

