

# NPM VS YARN

WHAT ARE THE DIFFERENCES



vs



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# Yarn and npm are both package managers for JavaScript



# They automate the process of:

- installing
- upgrading
- configuring
- and removing dependencies from a project's environment.





## Speed & Performance

Yarn installs packages in parallel optimizing the process to fetch and install multiple packages at once which generally results in faster installation times.



npm on the other hand installs packages sequentially, handling each package one at a time which can be slower compared to Yarn's parallel installation process.





# Security

Yarn performs check behind the scenes to ensure the integrity of installed packages, adding an extra layer of security by verifying every installed package before its code is executed.



npm has made significant improvements in its security features over recent versions, including performing security checks on each install.



# Dependency Management



Yarn uses a lockfile by default to ensure that the same versions of a project's dependencies are installed across all machines providing more reliable and consistent installations.



npm also uses a lockfile but has been criticized for not being as strict as Yarn's which can lead to inconsistencies in dependency versions across different environments.



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