

Being More Productive with Type Declaration Files



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Overview



Type declaration files

- What are they?
- Where do I get them?
- How do I use them?



What Are Type Declaration Files?

TypeScript wrapper for JavaScript libraries

- Types for variables, functions, etc.
- Define valid property names
- Define function parameters
- And much more!

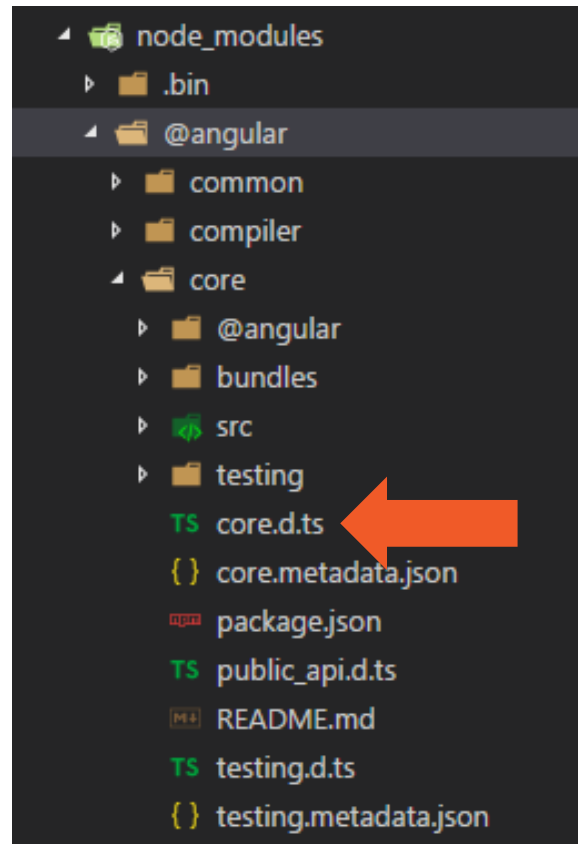
Development-time tool

Filenames end with .d.ts

Available for thousands of libraries



Obtaining Type Declaration Files



DefinitelyTyped

Github repository containing thousands of type declaration files

Declaration files often maintained independent of related JavaScript library

Source for installation utilities



Installing Type Declaration Files

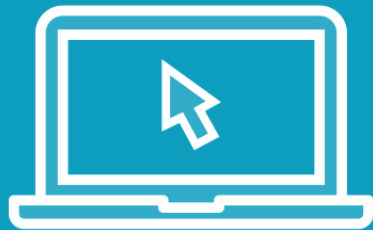
Installed with npm

Packages installed from @types/<name>

Sourced from the DefinitelyTyped repo



Demo



**Installing and using a type declaration
file**



Summary



Write code faster

Find errors faster

Provide value faster



Next Steps...

The image shows two overlapping YouTube course cards. The background card is titled 'TypeScript In-depth' by Brice Wilson, with a description stating it covers major language features. The foreground card is titled 'Advanced TypeScript' by Brice Wilson, with a description stating it teaches advanced features that build on fundamentals. Both cards have a dark background with a person wearing headphones. The foreground card has a 'Resume Course' button and icons for 'Bookmark', 'Add to Channel', and 'Download Course'.

TypeScript In-depth
by Brice Wilson

This course will help you learn all of the major language features in the latest versions of TypeScript.

[▶ Resume](#)

Advanced TypeScript
by Brice Wilson

TypeScript is a modern language with many advanced features. This course will teach you those features that build on the fundamentals you already know and allow you to harness its full power to write better code with fewer errors.

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Thanks for watching!

