

Thanks for watching!

Summary

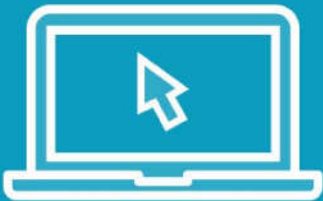


Benefits of type definitions

DefinitelyTyped

Managing type definitions

Demo



Installing type definitions with typings

Managing Type Definitions with “typings”

Find and download type definitions

Uses multiple sources

Manages references to installed definitions

Stores “triple-slash” references in a single file

But...it’s new and not yet widely adopted

Demo



Installing type definitions with tsd

Managing Type Definitions with “tsd”

Find and download type definitions

Uses DefinitelyTyped exclusively

Manages references to installed definitions

Stores “triple-slash” references in a single file

But...it’s deprecated

Demo



Using definitions from `DefinitelyTyped`

DefinitelyTyped

Huge repository of type definitions

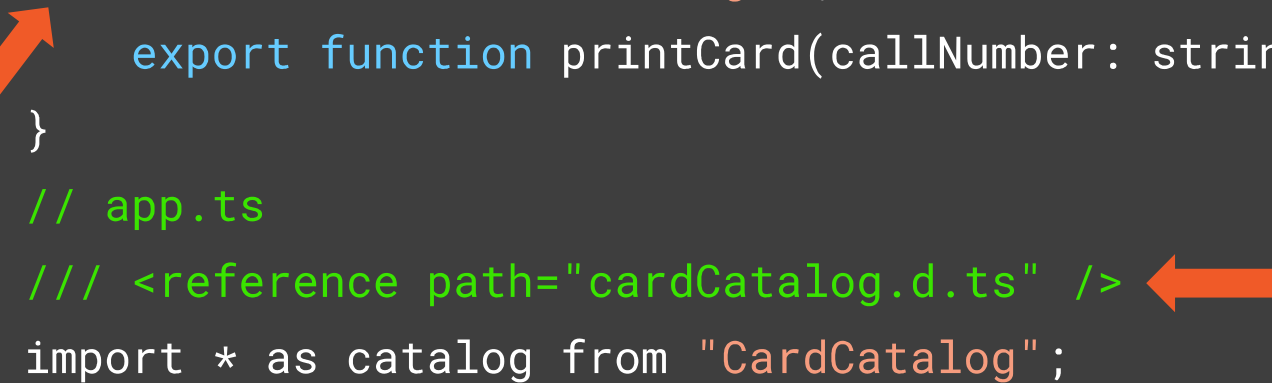
All definitions in a single Github repo

Download several ways

- Direct download from Github
- Nuget
- tsd
- typings


```
// cardCatalog.d.ts
declare module "CardCatalog" {
  export function printCard(callNumber: string): void;
}

// app.ts
/// <reference path="cardCatalog.d.ts" />
import * as catalog from "CardCatalog";
```



Ambient Modules

Created with the “declare” keyword

Don’t define an implementation

Type Definition Sources

DefinitelyTyped

Typings Type Definition
Manager (multiple sources)

npm packages

Write your own!

What Are Type Definition Files?

Files with type information for a library

Contain no implementation details

Primarily used as a TypeScript wrapper for JavaScript libraries

Design-time tool for type-checking and editor support

File names end with .d.ts

Overview



Role of type definitions

DefinitelyTyped

Managing type definitions with tsd

Managing type definitions with typings