

# TypeScript In-depth

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## INTRODUCTION



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# Why Use TypeScript?

**Superset of JavaScript**

**Types add safety**

**Types enable faster development**

**Compiles to plain JavaScript**

- ES3
- ES5
- ES6/ES2015

**Cross-platform**

**Open source**



# Prerequisites



**Basic understanding of JavaScript**

**Node.js ([www.nodejs.org](http://www.nodejs.org))**

**TypeScript editor**

# Course Modules

Installation and Setup

TypeScript Basics

Functions

Interfaces

Classes

Modules and Namespaces

Generics

Compiler Options and Project  
Configuration

Type Definitions



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**Let's get started!**

