

This is the list of release activities needed for every TypeScript release. Additional activities are also needed if a new syntax is introduced or a new compiler option gets added.

The primary people managing a release should oversee these tasks along with the overall release process.

Release Candidate Activities

tslib

- ☐ Add all tslib updates
- ☐ Review next version number

@definitelytyped/header-parser and retag

Once `main`'s version is updated, the @definitelytyped packages must be aware of the nightly's new version so that nightly versions of ATA continue to work. ATA relies on `tsX.Y` tags on `@types/*` packages.

- ☐ Update @definitelytyped/typescript-versions to support *the next version*, and publish a new release.
 - in other words, if we're releasing TypeScript 3.9, the header parser needs to support 4.0.

Release Activities

Release

- ☐ Tag release branch
- ☐ Update AUTHORS.md for the release (script)
- ☐ Draft and publish new release
- ☐ Close milestone corresponding to the release

Project Health

- ☐ Review perf dashboard to identify regressions

Wiki

- ☐ Update What's new in TypeScript
- ☐ Update Breaking Changes
- ☐ Update API Breaking Changes

Handbook

- ☐ Add new Release Notes page for the new release
- ☐ Update Handbook (As needed)

npm

- ☐ Publish new version of typescript
- ☐ Publish new version of tslib (if needed) by creating a tag

Nuget

- ☐ Publish new release to <https://www.nuget.org/packages/Microsoft.TypeScript.MSBuild/>

Visual Studio Marketplace

- ☐ Publish VS 2015 and VS 2017 installers under TypeScript team

TypeScript-Sublime-Plugin

- ☐ Update version of tsserver, test, and tag

dtslint and types-publisher After the release version is published to npm:

- ☐ Update @definitelytyped/typescript-versions: move the newly published version from **supported** to **shipped** (in the example above, that's 3.9), and publish a new release of @definitelytyped.

Website

- ☐ Update Handbook
- ☐ Add new release notes page

Additional activities

When a new syntax or a new compiler option is introduced, find below the list of additional release activities needed:

New compiler option added

MSBuild tasks and targets

- ☐ Add support for new option in MSBuild tasks and targets (see handbook)

New syntax introduced

Colorization

- ☐ Add colorization support in TypeScript-TmLanguage

Babel

- ☐ Add parsing support in Babylon
- ☐ Add emit support to babel-plugin-syntax-typescript
- ☐ Update the TypeScript-Babel-Starter as needed

Handbook

- ☐ Add new section for the new feature in the handbook