

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](#)