

# Integration Testing Framework

## Release Notes

### Table of Contents

Pre-release 0.12.0 .....	1
Pre-release 0.11.0 .....	3
Pre-release 0.10.0 .....	4
Pre-release 0.9.0 .....	7
Pre-release 0.8.0 .....	9
Pre-release 0.7.0 .....	10
Pre-release 0.6.0 .....	11
Pre-release 0.5.0 .....	12
Pre-release 0.4.0 .....	13
Pre-release 0.3.0 .....	14
Pre-release 0.2.0 .....	15
Pre-release 0.1.0 .....	15

This document contains the *change log* for all Integration Test Framework releases since 0.1.0.

Please refer to the [User Guide](#) for a comprehensive overview and detailed instructions how to use the Integration Testing Framework.

### Pre-release 0.12.0

**Date of Release:** ??, 2021

#### Scope:

- ??

#### Details

- [Fixed #226](#) - itf-assertj dependency is missing in README
- [Fixed #210](#) - Removed unused dependency commons-compress.
- [Pull request #211](#) - Add @MavenTest annotation to README example
- [Fixed #230](#) - Get rid of commons-io
- [Fixed #260](#) - Test project's file attributes & links get lost when copied to test target/maven-it  
Upgraded maven-filtering and maven-artifact-transfer and added explicitly maven-shared-utils to prevent using transitive dependency.

- [Fixed #264](#) - The `targetBaseDirectory` in `MavenProjectResult` points to wrong location. Added some tests to prevent the issue.
- [Fixed #278](#) - Enhance list of Maven versions
- [Fixed #279](#) - Typos / Minor Code cleanups
- [Fixed #282](#) - Add missing equals/hashCode for custom assertions.
- [Fixed #285](#) - Add some tests.
- `{issue-??}` - ?

## Breaking Changes

- [Fixed #276](#) - Replace File with Path
  - The return type of the methods `getTargetProjectDirectory()`, `getTargetBaseDirectory()` and `getTargetCacheDirectory()` of the class `MavenProjectResult` has been hanged from `File` into `Path`. That means you have to check your code. It will be obviously getting compile errors if you have used one of the above methods in your own code.
  - The method `Model readProject(File pomFile)` of the class `ProjetHelper` has been marked deprecated and will be removed with release 0.13.0. This means you have to replace the call of that method with the same which has a parameter `Model readProject(Path pomFile)`.
  - Technically the class `ArchiveAssert` extended before from `AbstractAssert<ArchiveAssert, File>` while it now extends `AbstractAssert<ArchiveAssert, File>` instead.
- [Fixed #281](#) - Lifting Maven minimum version for itf-maven-plugin to Maven 3.2.5+

## Reporter of this release

- [Simon Martinelli Fixed #226](#)
  - Reported that itf-assertj dependency is missing in README
- [Stephan Schroevers](#)
  - Reported: Add `@MavenTest` annotation to README example

## Contributors of this release

- [Stephan Schroevers](#) with [Pull request #211](#)
  - Add `@MavenTest` annotation to README example

## Dependency Upgrades

- [Fixed #184](#) - Upgrade to JUnit Jupiter 5.8.0
- [Fixed #212](#) - Upgrade smpp parent to 5.3.4
- [Fixed #214](#) - Upgrade mockito-core to 3.12.4
- [Fixed #216](#) - Upgrade smpp parent to 5.3.5
- [Fixed #217](#) - Upgrade meltwater/drone-cache to version 1.2.1
- [Fixed #218](#) - Upgrade to JUnit Jupiter 5.8.1

- [Fixed #219](#) - Upgrade mockito-core to 4.0.0
- [Fixed #221](#) - Upgrade Byte Buddy to 1.11.21
- [Fixed #223](#) - Upgrade assertj-core 3.21.0
- [Fixed #224](#) - Upgrade meltwater/drone-cache to version 1.2.2
- [Fixed #225](#) - Upgrade to Maven 3.8.3
- [Fixed #228](#) - Upgrade to JUnit Jupiter 5.8.2
- [Fixed #229](#) - Upgrade mockito-core to 4.2.0
- [Fixed #249](#) - Upgrade dependencies in IT's
- [Fixed #256](#) - Upgrade dependencies in IT's - Part II
- [Fixed #257](#) - Upgrade dependencies in IT's - Part III
- [Fixed #261](#) - Upgrade mockito-core to 4.4.0
- [Fixed #267](#) - Remove unused dependencies.
- [Fixed #268](#) - Upgrade smpp parent 5.3.9
- [Fixed #265](#) - Upgrade JUnit Jupiter 5.9.0
- [Fixed #274](#) - Upgrade smpp parent 5.3.10
- [Fixed #275](#) - Upgrade mockito 4.6.1
- {issue-???} - ??

### Build Improvements

- [Fixed #215](#) - Lift build to JDK17.
- [Fixed #222](#) - Use Maven Compiler Release only.
- [Fixed #227](#) - Upgrade to Maven 3.8.4
- [Fixed #238](#) - Upgrade smpp to 5.3.7
- [Fixed #258](#) - Upgrade smpp to 5.3.8
- [Fixed #263](#) - Upgrade maven-surefire/failsafe-plugin to 3.0.0-M6.
- [Fixed #280](#) - Upgrade Maven to 3.8.6
- [Fixed #283](#) - Build on JDK18+

The full release notes can be found here [Release 0.12.0](#).

## Pre-release 0.11.0

**Date of Release:** July 24, 2021

### Scope:

- Bug Fix Release [Fixed #204](#), [Fixed #206](#).
- Refactoring/Code cleanups

- [Fixed #200](#) - Example in user guide does not work.

## Details

- [Fixed #202](#) - Bug during generation of usersguide.adoc.
- [Fixed #204](#) - Goal itf-maven-plugin:resources-its did not replace placeholder.
- [Fixed #206](#) - Annotation @MavenRepository used wrong directory.

## Breaking Changes

- [Fixed #152](#) - Remove deprecated marked code.
  - MavenProjectResult
    - Method `getBaseDir()` has been removed.
  - MavenExecutionResult
    - Method `isSuccessful()` has been removed
    - ExecutionResult
      - `Error` has been removed. Based on that we have to remove `MavenExecutionResult.isError()` as well.

## Reporter of this release

- Roland Weisleder
  - [Fixed #204](#) - Goal itf-maven-plugin:resources-its did not replace placeholder.
  - [Fixed #206](#) - Annotation @MavenRepository used wrong directory.

## Contributors of this release

- Roland Weisleder
  - [Fixed #204](#) - Goal itf-maven-plugin:resources-its did not replace placeholder.
  - [Fixed #206](#) - Annotation @MavenRepository used wrong directory.

## Dependency Upgrades

- [Fixed #208](#) - Updated asserj-core to 3.20.2

The full release notes can be found here [Release 0.11.0](#).

# Pre-release 0.10.0

**Date of Release:** May 16 , 2021

## Scope:

- Refactoring/Code cleanups
  - [Fixed #140](#) - Remove deprecated marked annotation elements and code

- [Fixed #142](#) - Reduce visibility of classes
- [Fixed #143](#) - Deprecate `ExecutionResult.Error`
- [Fixed #145](#) - Remove not used dependency to testcontainers.
- [Fixed #150](#) - Make `LogoutOutputIT` more stable
- [Fixed #151](#) - Refactor code.
- [Fixed #156](#) - Remove unused code.
- [Fixed #173](#) - Improve issue template.
- [Fixed #174](#) - Improve the output in case of an error.
- [Fixed #175](#) - Enhance the `MavenProjectResult`.
- [Fixed #176](#) - Remove needless import on `MavenProjectResult` in docs.
- [Fixed #186](#) - Typo in method name should be `isSuccessful`.

## Enhancements

- [Fixed #180](#) - Enable debugging of plugin while running integration tests.

## Details

- [Fixed #128](#) - Add automatic module name.

## Breaking Changes

- [Fixed #140](#) - Remove deprecated marked annotation elements and code
- [Fixed #142](#) - Reduce visibility of classes; If you have used the following classes `ApplicationExecutor` or `DirectoryHelper` in your code they have be made invisible for users. No alternative available.
- [Fixed #143](#) - Deprecate `ExecutionResult.Error`; If you have used that directly within your code you should change your code. This is being marked deprecated and will be removed with release 0.11.0.
- [Fixed #175](#) - Enhance the `MavenProjectResult`. Based on the enhancements we have added `getTargetBaseDirectory()` and `getTargetCacheDirectory()`. `getTargetBaseDirectory()` is the same as `getBaseDir()` to keep compatibility in release 0.10.0. The `getBaseDir()` has been marked deprecated and will be removed with release 0.11.0.
- [Fixed #163](#) - You have to change the configuration within your test `pom.xml` file. The configuration to filter the content of the `resources-its` directory.

```
<testResource>
  <directory>src/test/resources-its</directory>
  <filtering>true</filtering>
</testResource>
```

This is not allowed anymore. This means you have to bind the `itf-maven-plugin` with a supplemental goal in your pom file as shown in the following example:

```

<plugin>
<groupId>com.soebes.itf.jupiter.extension</groupId>
<artifactId>itf-maven-plugin</artifactId>
<version>0.10.0</version>
<executions>
  <execution>
    <id>installing</id>
    <phase>pre-integration-test</phase>
    <goals>
      <goal>install</goal>
      <goal>resources-its</goal>
    </goals>
  </execution>
</executions>
</plugin>

```

You have to add the supplemental goal `resources-its` in your configuration.

- [Fixed #186](#) - based on a typo in the method name `isSuccesful()` of the class `MavenExecutionResult` instead of `isSuccessful()` the method `isSuccesful()` is marked deprecated and should not being used anymore and will be removed with release 0.11.0. Replace it with `isSuccessful()`.
- [Fixed #177](#) - Move creation of target structure into `beforeEach`. This change could influence your integration tests. So please check your build. If you have issues please report them.

## Reporter of issues

- Vincent Privat
  - [Fixed #197](#) - README example does not compile.

## Reporter of this release

- ??
  - {pr-???} - ..

## Contributors of this release

- ??
  - {issue-??} - ??

## Dependency Upgrades

- [Fixed #47](#) - Upgrade to JUnit Jupiter 5.7.0
- [Fixed #141](#) - Upgrade mockito to 3.5.0
- [Fixed #144](#) - Upgrade assertj to 3.17.0
- [Fixed #146](#) - Upgrade commons-io to 2.7
- [Fixed #147](#) - Update byte-buddy to 1.10.14

- [Fixed #148](#) - Upgrade equalsverifier to 3.4.2
- [Fixed #149](#) - Upgrade mockito to 3.5.7
- [Fixed #153](#) - Upgrade assertj-core to 3.17.1
- [Fixed #155](#) - Upgrade assertj-core to 3.17.2
- [Fixed #157](#) - Upgrade asciidoctor-maven-plugin to 2.1.0.
- [Fixed #166](#) - Upgrade mockito to 3.6.0
- [Fixed #181](#) - Upgrade assertj-core to 3.18.1
- [Fixed #182](#) - Upgrade mockito-core to 3.7.7
- [Fixed #183](#) - Remove unused dependency xmlunit-assertj
- [Fixed #185](#) - Upgrade to JUnit Jupiter 5.7.1
- [Fixed #164](#) - Upgrade smpp 5.3.3
- [Fixed #198](#) - Upgrade to JUnit Jupiter 5.7.2
- {issue-??} - ??

## Build Improvements

- [Fixed #162](#) - Removed JDK 13+JDK14 and keep only JDK8, 11 based on JaCoCo issue.
- [Fixed #190](#) - Building on JDK11 only.
- [Fixed #191](#) - javadoc.io is abandoned
- [Fixed #189](#) - Using drone for building.
- [Fixed #196](#) - Remove SonarQube
- [Fixed #199](#) - Remove jacoco plugin from pom. Followup for [Fixed #164](#)

The full release notes can be found here [Release 0.10.0](#).

# Pre-release 0.9.0

**Date of Release:** August 12, 2020

## Scope:

- Refactoring/Code cleanups
  - [Fixed #130](#) - Moving Conditions into separate package
  - [Fixed #131](#) - Reduce visibility of MavenITExtension.
  - [Fixed #132](#) - Remove StringInterpolator from public API
  - [Fixed #134](#) - Maven test should use options = "--errors" by default
  - [Fixed #135](#) - Split properties of @MavenTest across multiple (@Repeatable) annotations
  - [Fixed #136](#) - Remove **debug** from MavenJupiterExtension annotation
  - [Fixed #138](#) - Rename **MavenOptions** into **MavenCLIOptions**.

## Details

- [Fixed #139](#) - Typos in License Text

## Breaking Changes

- [Fixed #135](#) - Split properties of `@MavenTest` across multiple (`@Repeatable`) annotations
  - Deprecate the `@MavenTest` annotation elements `goals`, `activeProfiles`, `options`, `systemProperties`, `debug` with release **0.9.0**.
    - Add replacements `@MavenGoal`, `@MavenProfile`, `@MavenOption` and `@SystemProperty`.
      - This means all the annotation elements of `@MavenTest` will be removed with release **0.10.0**.
    - You have to migrate your code accordingly otherwise you will face compile errors with the upgrade to release **0.10.0**.
    - The users guide has been updated to represent only the new annotations and no usage of annotation elements.
    - Changed the users guide accordingly to the new annotations.
- [Fixed #130](#) - Moving Conditions into separate package
  - The annotations `DisabledForMavenVersion` and `EnabledForMavenVersion` have been moved from `com.soebes.itf.jupiter.extension` into `com.soebes.itf.jupiter.extension.condition` package. The consequence is that you have to change your imports if you use them.
- [Fixed #138](#) - Rename `MavenOptions` into `MavenCLIOptions`.
- [Fixed #132](#) - Remove `StringInterpolator` from public API If you have used it you have to remove the usage. No replacement available.
- [Fixed #136](#) - Remove `debug` from `MavenJupiterExtension` annotation If you have used to turn on debugging via the annotation `@MavenJupiterExtension` this means you need to change your tests and use the `@MavenTest(options=MavenCLIOptions.DEBUG)` to get the same behaviour. Related to [Fixed #135](#) you have to replace it with `@MavenOption(MavenCLIOptions.DEBUG)` or you can use `@MavenDebug`.

## Reporter of this release

- Andreas Sewe
  - [Fixed #134](#) - Maven test should use options = "--errors" by default
  - [Fixed #135](#) - Split properties of `@MavenTest` across multiple (`@Repeatable`) annotations

## Contributors of this release

- ??
  - {issue-??} - ??

## Dependency Upgrades

- [Fixed #125](#) - Upgrade mockito to 3.4.0.



- [Fixed #126](#) - Upgrade testcontainers to 1.14.3.
- [Fixed #127](#) - Upgrade equalsverifier to 3.4.1
- [Fixed #129](#) - Upgrade mockito to 3.4.3.
- [Fixed #137](#) - Upgrade mockito-core to 3.4.6.

### Build Improvements

- {issue-??} - ??

The full release notes can be found here [Release 0.9.0](#).

## Pre-release 0.8.0

**Date of Release:** July 11, 2020

### Scope:

- Bug Fixing and improvements.
- Failure Plugin [Fixed #113](#).

### Details

- [Fixed #87](#) - Remove duplicate implementations for PomReader/PomUtils
- [Fixed #106](#) - Wrong usage of a function InstallMojo
- [Fixed #104](#) - Improve code based on SonarQube
- [Fixed #110](#) - Separate usersguide / release notes.
- [Fixed #112](#) - Fix Links to ReleaseNotes 0.7.0
- [Fixed #114](#) - Assertion on logoutput either debug/info does not work.
- [Fixed #117](#) - Output of builds should be consistently named `*.log`
- [Fixed #118](#) - Add error() for LogAssert.
- [Fixed #119](#) - Code Cleanups
- [Fixed #113](#) - Create a plugin which fails the build.
- [Fixed #121](#) - Change itf-extension-maven dependency scope from compile to test.
- [Fixed #122](#) - We should use itf-maven-plugin instead of maven-invoker-plugin for itf-failure-plugin

### Breaking Changes

- If you have used the names of the build output like `mvn-stdout.out` or `mvn-stderr.out` those names have been changed related to [Fixed #117](#). This means you have to change your file names to `mvn-stdout.log` or `mvn-stderr.log` accordingly.

### Reporter of this release

- Roland Weisleder
  - [Pull request #100](#) - Remove duplicated line from code block in README.md

### Contributors of this release

- Sandra Parsick
  - [Fixed #93](#) - Add support for editorconfig
  - [Pull request #115](#) - Initial start for the log assertion documentation related to [Fixed #114](#).
- Roland Weisleder
  - [Pull request #100](#) - Remove duplicated line from code block in README.md

### Dependency Upgrades

- [Fixed #99](#) - Upgrade equalsverifier from 3.1.13 to 3.3
- [Fixed #101](#) - Upgrade smpp from 5.1.0 to 5.2.0
- [Fixed #108](#) - Upgrade smpp from 5.2.0 to 5.3.0
- [Fixed #116](#) - Upgrade asciidoctor-maven-plugin to 2.0.0

### Build Improvements

- [Fixed #60](#) - Building on JDK15
- [Fixed #102](#) - JDK15 Build fails based on jacoco; Need to wait for a new release of JaCoCo.
- [Fixed #103](#) - Add SonarQube analysis
- [Fixed #105](#) - Change the used JDK for running SonarQube analysis
- [Fixed #107](#) - Remove empty module itf-executor
- [Fixed #108](#) - Reconfiguring cache handling in GitHub Actions.
- [Fixed #111](#) - Add .sdkmanrc.
- [Fixed #123](#) - Cache usage does not work.
- [Fixed #124](#) - Duplicate executions of builds on merge onto master.

The full release notes can be found here [Release 0.8.0](#).

## Pre-release 0.7.0

**Date of Release:** May 17, 2020

### Scope:

- Bug Fixing [Fixed #88](#).
- Version in rendered documents [Fixed #98](#).

### Details

- [Fixed #98](#) - Version/dates in HTML documents.

## Breaking Changes

- None in this release.

## Reporter of this release

- Philippe Marschall
  - [Fixed #91](#) - Small FileSystem usage Review
- Sandra Parsick
  - [Fixed #88](#) - System property maven.home is set but 'java.lang.IllegalStateException: We could not find the maven executable mvn somewhere' is thrown

## Contributors of this release

- none.

## Dependency Upgrades

- [Fixed #85](#) - Upgrade AssertJ from 3.15.0 to 3.16.0
- [Fixed #89](#) - Upgrade AssertJ from 3.16.0 to 3.16.1
- [Fixed #86](#) - Upgrade xmlunit-assertj from 2.6.3 to 2.6.4
- [Fixed #95](#) - Upgrade Testcontainers from 1.14.1 to 1.14.2
- [Fixed #96](#) - Upgrade commons-compress from 1.19 to 1.20
- [Fixed #97](#) - Upgrade xmlunit-assertj from 2.6.4 to 2.7.0

## Build Improvements

- [Fixed #90](#) - Improving build with cache usage on GitHub actions.
- [Fixed #91](#) - Cache is not correctly configured

The full release notes can be found here [{release-0.7.0}\[Release 0.7.0\]](#).

# Pre-release 0.6.0

**Date of Release:** May 6, 2020

## Scope:

- Documentation cleanup
- Better naming for MavenIT.

## Details

- [Fixed #67](#) - Cleanup userguide

- [Fixed #68](#) - Rename @MavenIT into @MavenJupiterExtension.
- [Fixed #76](#) - "Getting started" is hard to find.

## Breaking Changes

- With [Fixed #68](#) - we have renamed the @MavenIT annotation into @MavenJupiterExtension to make the intention more clear.
- With [Fixed #80](#) - We have removed the previously needed log4j dependencies at all. In testing projects there is no need anymore in adding [log4j-core](#) dependency.

## Reporters of this release

- Roland Weisleder
  - [Fixed #76](#) - "Getting started" is hard to find.
  - [Fixed #77](#) - Code in section "Configuration in Maven" (user guide) should be copy-pastable
  - [Fixed #80](#) - Error message "Log4j2 could not find a logging implementation"

## Contributors of this release

- Sandra Parsick [Fixed #78](#) - put section "configuration in maven" before section "Structuring Integration Tests"

## GitHub Improvements

- [Fixed #69](#) - Add templates for issues/features requests
- [Fixed #74](#) - Recreate issue templates
- [Fixed #75](#) - Separate documentation for master and release
- [Fixed #81](#) - Added CONTRIBUTION.md guide.
- [Fixed #84](#) - Rename CONTRIBUTION.md into CONTRIBUTING.md

The full release notes can be found here [Release 0.6.0](#).

# Pre-release 0.5.0

**Date of Release:** May 3, 2020

## Scope:

- Removed usage of internal API's. [Fixed #49](#), [Fixed #52](#).
- Fixing Bug while running several IT's while using the same cache.
- Fixing Bug related to @MavenProject [Fixed #53](#).

## Details

- [Fixed #48](#) - Accidentally deleting the local cache.

- We should not delete the whole cache between executions cause a given `@MavenRepository` is otherwise useless for several methods.
- [Fixed #49](#) - Change to use only maintained API's of JUnit Jupiter
- [Fixed #52](#) - Remove usage `org.junit.platform.commons.logging`
- [Fixed #53](#) - Deleting project under test during `@MavenProject` tests
- [Fixed #65](#) - Create github pull request template file.

## Breaking Changes

- The `MavenVersion` enum type has been moved from package `com.soebes.itf.jupiter.maven` to `com.soebes.itf.jupiter.extension` to take advantage of using internal classes.

## Dependency Upgrades

- [Fixed #50](#) - Upgrade Testcontainers to most recent version 1.14.1
- [Fixed #51](#) - Upgrade smpp parent to version 5.0.3
- [Fixed #54](#) - Upgrade equalsverifier from 3.1.12 to 3.1.13
- [Fixed #55](#) - Upgrade log4j from 2.13.1 to 2.13.2
- [Fixed #56](#) - Upgrade mockito from 3.3.0 to 3.3.3
- [Fixed #57](#) - Upgrade smpp-parent from 5.0.3 to 5.1.0

## Build Improvements

- [Fixed #58](#) - WARNING JAR will be empty in itf-documentation module.
- [Fixed #59](#) - Removed option `-Dcheckstyle.skip=true`
- [Fixed #61](#) - Bug in pipeline - Using wrong checkout
- [Fixed #62](#) - WARNING JAR will be empty in itf-examples
- [Fixed #63](#) - Cleanup pom and remove plugins which are inherited from smpp-parent
- [Fixed #64](#) - Automatic site publishing
- [Fixed #66](#) - Release failure based on missing javadoc/sources packages for itf-examples

The full release notes can be found here [Release 0.5.0](#).

# Pre-release 0.4.0

**Date of Release:** April 19, 2020

## Scope:

- Renamed `invoker-repo` into `itf-repo`
- Added `.predefined-repo` for integration tests.
- Support for finding Maven executable in a portable way.

## Details

- [Fixed #40](#) - Changed from `invoker-repo` to `itf-repo`.
- [Fixed #41](#) - Activate apache-rat plugin to check all files for license
- [Fixed #42](#) - MavenRepository contains `@ExtendWith`
- [Fixed #43](#) - Create MavenPredefinedRepository annotation
- [Fixed #45](#) - Searching for the Maven executable in a portable way.

## Breaking Changes

- `itf-maven-plugin` uses now the location `itf-repo` instead `invoker-repo`. This can break tests which have been written with version 0.3.0 and before.

The full release notes can be found here [Release 0.4.0](#).

# Pre-release 0.3.0

**Date of Release:** April 18, 2020

## Scope:

- Working build on Windows.
- Basic Maven Plugin for installation of artifacts.
- License file in project.
- Release Notes documentation.

## Details

- [Fixed #32](#) - Build on Windows as well
- [Fixed #33](#)
  - Create a maven plugin which handles the installation of artifacts
  - This removes the need to use `maven-invoker-plugin` with a weird configuration.
- [Fixed #34](#) - Add LICENSE file to the project
- [Fixed #36](#) - Create a release notes documentation.
- [Fixed #31](#)
  - Imports in documentations are not correct anymore.
  - Fixed includes
  - building of html/pdf during the build.
  - Fixed site generation to render also docs in correct location.
  - Moved docs to `itf-documentation` project.

The full release notes can be found here [Release 0.3.0](#).

# Pre-release 0.2.0

**Date of Release:** April 15, 2020

**Scope:**

- Changed package names and maven coordinates to make it possible to publish in [Central Repository](#).

**Details**

- [Fixed #30](#) - Upgrade parent to 5.0.1 smpp
- [Fixed #29](#) - Change coordinates / Change Names
  - renamed groupId.
  - Renamed artifactId's.
  - Renamed modules
  - Renamed packages.
  - Renamed documents.
  - Fixed docs.

The full release notes can be found here [Release 0.2.0](#).

# Pre-release 0.1.0

**Date of Release:** April 14, 2020

**Scope:**

- First public release as github packages.

The full release notes can be found here [Release 0.1.0](#).