

# Release Notes: ProcessMaker 3.5.0

Release Date: July 31st, 2020

This document contains Release Notes for ProcessMaker 3.5.0. Release Notes are cumulative, and document new features, improvements and bug fixes associated with this release unless otherwise noted. [A list of older ProcessMaker Release Notes is included at the end of this document.](#)

## Links to System Requirements and Special Instructions for This Release

1. [Supported Stacks](#)
2. [Supported Web Browsers](#)
3. [Review the ProcessMaker versions to upgrade to ProcessMaker 3.5.0](#)
4. Due to the third and fourth improvements, the second bug fix, and the first new feature, the release installation requires to run the [upgrade](#) command to update the database.

## Plugins Available With This Release

ProcessMaker 3.5.0 was released concurrently with the following plugins:

- Case Archive 4.0.0 ([Release Notes](#))
- Data Reporting Tools 1.1.16 ([Release Notes](#))

## New Features

This section documents the following new features for ProcessMaker 3.5.0:

1. **New User interface - Task Scheduler:** Schedule Processmaker cron actions by jobs for:
  - Case actions
  - Email and notifications
  - KPI reports
  - Synchronization with Advanced LDAP
  - ProcessMaker custom Plugins

Ensure to run the [upgrade](#) command for this new feature.

## Improvements

This section documents improvements for ProcessMaker 3.5.0:

1. **The Unassigned list improves by displaying their highlighted label instead of counters:** After configuring the settings `highlight_home_folder_enable`, `highlight_home_folder_refresh_time`, and `highlight_home_folder_scope` in the [env.ini](#) file, the [Unassigned](#) list improves by displaying their [highlighted label](#) instead of counters. Future ProcessMaker versions will improve this functionality to all Case Lists besides the Unassigned list.
2. **Task Manager now works in emails notifications for Tasks, Case Routing, Actions By Email, Sub-Processes, Script and Service Tasks:** Task Manager with the queue processing architecture now works in email notifications for Tasks, Case Routing, Actions By Email, Sub-Processes, Script and Service Tasks. Internal jobs in the Task Manager make all the previous email notifications improve efficiency in run-time, performance and handling errors.

**Note:** All asynchronous case routing occurs in the background. Then, when a case is in the next task, the refresh time updates the view in the [Inbox](#). Therefore, to not wait too much time, as a best practice configure the [counters refresh time](#).

3. **Variable usage improved:** Variable usage improved in:
  - **Grids:** Establish dependencies and cross-references between grid elements and external controls to the grid in the same Dynaform. Dates in a grid now have the media and percentage functions. Date Dependencies are not implemented in ProcessMaker Mobile.
  - **Control Properties:** Control properties have autocompletion with the different variable types for defined variables.
  - **Dependent fields:** Dependencies with variables in a SQL statement.
  - **Control labels:** The control label set the variable ID.
  - **PM Tables:** Queries in PM Tables reference defined variables through the variables definition. Inside a Grid, it is `@=`, `@?`.

Ensure to run the [upgrade](#) command for this improvement.

4. **Case Notes improved:** Case Notes now can upload files as an action from the Case List. Ensure to run the [upgrade](#) command for this improvement. This improvement is not available for ProcessMaker Mobile.
5. **Asynchronous regeneration of Report Tables:** In the [PM Tables](#) interface, Report Tables generate asynchronously using batches with a customized value using the Task Manager.
6. **Asynchronous helpers setValueAsync and setTextAsync:** New asynchronous helpers work in ProcessMaker Mobile and the web application using callbacks to know when running has finalized to have a correct response in ProcessMaker functionality that use asynchronous dependencies.

## Deprecated and Removed Functions

This section documents the following deprecated and removed functions for ProcessMaker 3.5.0:

1. **Memory Limit features removed:** The [memory\\_limit](#) parameter in the `env.ini` and the [Memory Limit](#) setting are removed.
  - **Alternative:** Edit the [php.ini](#) file instead.

## Changes to Current Functionality

This section documents changes in functionality to the following features in ProcessMaker 3.5.0:

1. **Task Manager now works in email notifications:** Due to the Task Manager's email notifications improvement, case routing in the web application runs through the Task Manager. Therefore the before and after routing steps are queued in background, and the debugger does not work in those steps.
2. **Memory limit restriction:** To guarantee the functioning of all operations within ProcessMaker using a top memory limit of 256 MB, the `memory_limit` now is only configured in the [php.ini](#).
3. **The executeQuery function now uses the Laravel eloquent database handler:** ProcessMaker requires the PostgreSQL and Microsoft SQL Server external databases PDO drivers to work with the [memory\\_limit](#) and the [executeQuery](#) function, which now uses the Laravel database handler.

## Bug Fixes

This section documents bug fixes for ProcessMaker 3.5.0:

1. **The setValue and setText functions now properly work with Suggest fields:** The `setValue` function now correctly gets only the field label and the `setText` function now correctly gets only the field value. To clear a field, it is necessary to use both functions.
2. **The notification subject correctly saves the data:** The notification subject correctly saves the data in the `APP_MESSAGE` table that now accepts 998 size length. Ensure to run the [upgrade](#) command for this bug fix.
3. **Special characters in an Oracle connection no longer display errors:** Passwords with special characters in an Oracle connection no longer display errors when running in triggers.
4. **The email server configuration deleted in a process component no longer displays error messages:** Email Server deletion alerts when the process components will use the default email

server account. If the deleted email server is IMAP, the **Email Response** option in Actions by Email is empty.

5. **Suggest fields now correctly populate in Grids via JavaScript:** JavaScript now properly enters values in Suggest fields that are inside Grids.
  - **Scope:** This bug solution affects ProcessMaker 3.4.10 - 3.4.11.
6. **The reason why a case is canceled correctly displays in the case notes:** After opening a canceled case, the case notes display correctly the reason why a case was canceled.
  - **Scope:** This bug solution affects ProcessMaker 3.4.8 - 3.4.11.
7. **Array variables correctly work in Suggest fields:** Suggest fields correctly display values when they are configured with an array variable as their datasource.
  - **Scope:** This bug solution affects ProcessMaker 3.4.8 - 3.4.11 and ProcessMaker Mobile 2.2.1.

## Known Issues

This section documents known issues for ProcessMaker 3.5.0:

1. **If there are two dropdown controls with the same ID on different grids, only one dropdown control correctly works:** In Dynaforms, if there are two dropdown controls with the same ID on different grids dependent upon a dropdown control outside of the grid, only one dropdown control correctly works.
2. **Dependent values in a grid are not updated in a next task:** If there is a reference with a variable in the main Dynaform, dependent values in a grid are not updated in the next task.
3. **Dependency of the Datetime does not work in ProcessMaker Mobile:** Dependency of the Datetime even with the default value will work in a future ProcessMaker Web and ProcessMaker Mobile version.
4. **The sort menu in Report Tables is not correctly aligned:** In some cases you can experience an erroneous alignment. In Report Tables, the sort menu in columns aligns to the left side of the [Report Table data](#) window.

## Previous Release Notes

Refer to the previous Release Notes from ProcessMaker versions 3.2 through 3.4.11:

- [3.4.11](#)
- [3.4.10](#)
- [3.4.9](#)
- [3.4.8](#)
- [3.4.7](#)
- [3.4.6](#)
- [3.4.5](#)
- [3.4.4](#)
- [3.4.3](#)
- [3.4.2](#)
- [3.4.0](#)
- [3.3.17](#)
- [3.3.16](#)
- [3.3.15](#)
- [3.3.14](#)
- [3.3.13](#)
- [3.3.12](#)
- [3.3.11](#)
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- [3.3.4](#)
- [3.3.3](#)
- [3.3.2](#)
- [3.3.1](#)
- [3.3.0](#)
- [3.2.4](#)
- [3.2.3](#)
- [3.2.2](#)
- [3.2.1](#)
- [3.2](#)