

Release Notes: ProcessMaker 3.4.0

Release Date: October 15th, 2019

This document contains Release Notes for ProcessMaker 3.4.0. Release Notes are cumulative, and document new features and improvements 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](#)

Products Available With This Release

ProcessMaker 3.4.0 was released concurrently with the following products:

- Enhanced Home Experience (EHX) plugin ([Release Notes](#))
- SAML plugin ([Release Notes](#))

New Features

This section documents the following new features for ProcessMaker 3.4.0:

1. **MySQL 5.7 Support:** ProcessMaker now supports [MySQL 5.7](#)
 - **Business Value:** Performance benefits, security improvements, JSON support, Optimizer enhancements and more. To know more about the features added to MySQL 5.7, see [What Is New in MySQL 5.7](#).
2. **Laravel Framework Upgrade to version 5.7:** ProcessMaker now supports Laravel Queue to work with PHP version 7.1.x.
 - **Business Value:** Use a Queue system architecture to monitor your ProcessMaker instance throughput and queue workload.
3. **Full-Text index for the APP_TITLE:** [Full-Text](#) index for the [APP_TITLE](#).
 - **Business Value:** Full-Text index for the APP_TITLE improves the performance in the [Advanced Search](#) when filtering by Case Title.

Improvements

This section documents improvements for ProcessMaker 3.4.0:

1. **Deprecation Marks in the Designer:** Dynaforms display [deprecation marks](#) to denote deprecated controls. This mark is represented as a warning icon that links to documentation that explains the deprecation reasons.
2. **Dynaforms improve the usability of Dependent Fields:** There is a spinner instead of [dependent fields](#) to wait while data loads. Its data now loads asynchronously and in parallel. This spinner applies to:
 - [Dropdown](#)
 - [Textbox](#)
 - [TextArea](#)
 - [Checkgroup](#)
 - [Radiogroup](#)
3. **Suggest Control improved:** The [Suggest control](#) was improved in the following way:
 - As a process designer, set the result limit in the Suggest control.
 - As an operator, use the Suggest control to display results when the Suggest field is focused. In this way, you quickly realize if the Suggest field has results or not.
 - As an operator, get alerted when the value written in the Suggest field is valid in the query domain. In this way, avoid sending incorrect values and receiving an error.
4. **Email Response in Actions by Email:** The [Actions by Email](#) adds a new Email Response type. You have the option to open a Dynaform when a button is used in the email sent via Action By Email. In this way, you can retrieve more information about the case, as when the case is rejected.
5. **Advanced Search improved:** The search in the [Advanced Search](#) now keeps the search filter after a case is opened. The case has an option to go back to the filter in the Advanced Search.
6. **Upgrade process improved:** Due to that some Customer servers spent a lot of time upgrading their long databases, the upgrade process improved their performance.
7. **Emails for Tasks:** Manage [Tasks](#) with [Email Intermediate Events](#), [Email End Events](#) and PM Functions ([PMFSendMessage](#), [PMFSendMessageToGroup](#)) in the background using [Queue](#) system architecture. In this way, you can work without having delays nor problems onto execution.

Deprecated Functions

This section documents the following deprecated functions for ProcessMaker 3.4.0:

1. **Deprecated File Control:** The [File](#) control is deprecated. There are alert messages in the Dynaform designer that prevent its use.
 - **Alternative:** Instead of the File control, use the [Multiple File Uploader](#) control.

Changes to Current Functionality

This section documents changes in functionality to the following features in ProcessMaker 3.4.0:

1. **Full-Text index for the APP_TITLE:** Due to the new Full-Text index for the APP_TITLE, there are some [reserved words](#) when [filtering by Case Title](#).

Database Scheme Changes

This section documents database scheme changes for ProcessMaker 3.4.0:

1. **Email Response in Actions by Email:** Due to the Email Response improvement, new columns are added to the following tables:
 - **EMAIL_SERVER table:** MESS_INCOMING_SERVER and MESS_INCOMING_PORT
 - **ABE_CONFIGURATION table:** ABE_ACTION_BODY_FIELD and ABE_EMAIL_SERVER_RECEIVER_UID
2. **Deprecated Controls in the Designer:** Due to [deprecation marks](#) to denote deprecated controls, the PMDYNAFORM_FIRST_TIME column is added to the **USERS_PROPERTIES** table.
3. **Emails for Tasks:** Due to this improvement, new tables added:
 - **JOBS_PENDING**
 - **JOBS_FAILED**
4. **Case List performance improvement:** Due to the Case List Performance improvement, the following columns were created:
 - **PRO_STATUS: ACTIVE | INACTIVE | DISABLED** creates the column `PROCESS.PRO_STATUS_ID`
 - **PROCESS.PRO_CATEGORY** creates the column `PROCESS.CATEGORY_ID`
 - **PROCESS_CATEGORY.CATEGORY_UID** creates the column `PROCESS_CATEGORY.CATEGORY_ID`
 - **GRP_STATUS: ACTIVE | INACTIVE** creates the column `GRP_STATUS_ID`
 - **GROUP_USER.USR_UID** creates the column `GROUP_USER.USR_ID`
 - **TASK.PRO_UID** creates the column `TASK.PRO_ID`
 - **TASK_USER.TAS_UID** creates the column `TASK_USER.TAS_ID`

- **TASK_USER.USR_UID** creates the column **TASK_USER.ASSIGNED_ID** (can be group or user)
- 5. **Full-Text index for the APP_TITLE:** Due to this feature, the **indexAppTitle** Full-Text index is added to the **APPLICATION** table
- 6. **Indexes added:** Indexes added to:
 - **LIST_PARTICIPATED_LAST** table – composite index added on **DEL_DELEGATE_DATE** and **USR_UID**
 - **PROCESS_VARIABLES** table – composite index added on **PRJ_UID** and **VAR_NAME**
 - **LIST_INBOX** table – index added on **APP_NUMBER**
 - **APP_ASSIGN_SELF_SERVICE_VALUE** table – index added on **APP_UID**

For more details about database scheme changes, see [ProcessMaker Database Model](#).

Previous Release Notes

Refer to the previous Release Notes from ProcessMaker versions 3.2 through 3.3.17:

- [3.3.17](#)
- [3.3.16](#)
- [3.3.15](#)
- [3.3.14](#)
- [3.3.13](#)
- [3.3.12](#)
- [3.3.11](#)
- [3.3.10](#)
- [3.3.9](#)
- [3.3.8](#)
- [3.3.7](#)
- [3.3.6](#)
- [3.3.5](#)
- [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](#)