

## Requirements

✓ [TNR-3896] - **EAP 7.1 Support**  
EAP JBoss 7.1 is required for this update

## Deprecated software

✓ Java JDK 1.6 and JDK 1.7 is now deprecated and will no longer be supported. ✓ MySQL 5.5 is now deprecated and will no longer be supported.

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## New features/Improvements

✓ [TNR-4942] - **Oracle 12.2 R2 Support**  
Oracle 12.2 (R2) is now officially supported.

✓ [TNR-2373] - **new role concept with matrix**  
A new role concept was implemented, which restricts the interaction with instances to participants.

✓ [TNR-2690] - **RulesMatrix Refactoring**  
The Rules Matrix allows to move rows via drag and drop and via buttons and to deactivate wildcards for specific columns. Additionally, a simulation mode was implemented.

✓ [TNR-4042] - **Extended filter functionality for tasks- and instances tab**  
New filters were implemented which can be stored. Filter over multiple columns can be created.

✓ [TNR-4422] - **Users can define individual columns by which tabs are sorted**  
Users are now able to set and store their sorting options.

✓ [TNR-4421] - **Extended Filter: Filter for index field which contain a date**  
If a timestamp is used for process variables, it can be configured via custom.js in order to enable correct sorting of index fields in clients.

✓ [TNR-4148] - **Refactor Search in Clients**  
In order to improve the performance of the search it was refactored and e.g. a min length of 3 signs has to be searched for.

✓ [TNR-4061] - **Add the capability to handle 10 more index fields**  
Now it's possible to create 20 index fields instead of 10.

✓ [TNR-3739] - **Add autocomplete fields for selecting users**  
User dropdowns with a lot of entries will now be shown as an autocomplete dropdown. This makes it easier to select out of a large list of users.

✓ [TNR-3640] - **MergePDFDocumentsHandler should also convert txt and csv files**  
The MergePDFHandler can now also convert txt/csv files to pdf.

✓ [TNR-3185] - **Folders in Document Tab**

In the document tab it is now possible to create a folder structure.

✓ [TNR-3219] - **Automatically delete browser cache before login**

Browser cache can be ignored via `tim.properties`.

✓ [TNR-4583] - **Deleting process instances after a given time**

A new timer was implemented which can delete instances after a given time. Be aware that all information to this instance will be irretrievably deleted.

✓ [TNR-4375] - **Open documents directly in Browser (documents folder)**

Documents (e.g. PDF) can now be displayed directly in the browser without downloading it.

✓ [TNR-4491][TNR-4784] - **New columns in delayedmail**

New columns ID and instance name were added to the Mail Queue.

✓ [TNR-4668] - **Confirm grabbing of tasks if task is assigned to somebody else**

User will get notification if he tries to grab task which is already assigned to another user.

✓ [TNR-4669] - **Converting to PDF right after upload of files**

A new property was added which enables the conversion of Office files to PDF right on the upload.

✓ [TNR-4672] - **Recipients of note mails can be chosen**

It is possible to select who will get informed after a notification for notes is created.

✓ [TNR-4746] - **Timer popup is now prefilled with `sys.timer`**

The execution user of new timers is now `sys.timer` and locked.

✓ [TNR-4810] - **Actionhandler to create viewer contextroles via variable or direct notation**

A new actionhandler was added which can create viewer contextroles in order to view instances for users.

✓ [TNR-4227] - **Encoding of user import and export can now be selected**

The encoding while import or export users via administration client can now be selected in order to ensure correct usage of special chars. Default encoding can be set via `tim.properties`. Now there is also a limit for max rows in the import csv file.

✓ [TNR-4359] - **do not refresh smartform on `saveSmartFormAndSetToDone`**

Now the Smartform is not refreshed, if a task is set to done.

✓ [TNR-4517][TNR-4530] - **make upload size of files configurable**

New properties were added which limit the maximal upload size of files in documents and resource folder.

✓ [TNR-4613] - **New Timer `signalNodesFromProcessVariablesWithLimit`**

A new timer which signals nodes/waitstates when the provided date is reached.

✓ [TNR-4657] - **Tasks must not be grabbed if the Smartform is locked by another user**

If a Smartform is locked by an user it cannot be grabbed by another user.

- ✔ [TNR-3042] - **Optimize text and subject of the error mail**  
Error mails now contain more information about the failed mail (ID, recipient, instance name and subject)
- ✔ [TNR-4660][TNR-4809] - **Refactor resource folder in admin client**  
A new resource folder was implemented. In order to migrate the old resource folder, please download the content of the old folder and upload it again.
- ✔ [TNR-4477] - **improve timer signalProcessInstanceInWaitStateAndSetProcessVariable to enable time values**  
It is now possible to run the timer with an exact time value. E.g. the timer is able to signal at 10.00 am.
- ✔ [TNR-4602] - **SAML without credential cache to avoid session stickyness on loadbalancers**  
Session stickyness is not necessary anymore for load balancing.
- ✔ [TNR-4496] - **Smartform locking will not be created via finished tasks**  
Opening Smartforms via finished tasks will not create Smartform locks anymore.
- ✔ [TNR-4901] - **rework updateEscalationStatus for performance improvements**  
Timer updateEscalationStatus got a refactoring in order to work faster on systems. For this rework the attribute "inTime" on processinstance was removed. Please check Dashboard widgets if they use it.
- ✔ [TNR-3212] - **create Roles via database initialization**  
Systemroles are now created with the creation of the tenant.
- ✔ [TNR-3045][TNR-3894][TNR-4750][TNR-4755][TNR-4872][TNR-4919] - **GUI improvements**  
Some changes in frontend for better client handling.
- ✔ [TNR-4702][TNR-4786][TNR-4849] - **Logging improvements**  
AliveCheckServlets now print their details also to the log files.
- ✔ [TNR-3766] - **LOOM\_DBQUERY querystring to small for complex queries**  
QueryString was increased to 4000 characters in order to enable complex queries.
- ✔ [TNR-2129] - **Licensefile handling**  
Servers will need a valid license to start. Please speak to your Project Manager to get details.
- ✔ [TNR-4021] - **Synch uploaded tim.properties over all nodes**  
If a tim.properties file is uploaded via the Resources tab, it will be synchronized to all other application servers.

## Bugfixes

- ✔ [TNR-3576] - **Process Repository created Task is not assigned to Swimlane**
- ✔ [TNR-3807] - **InstanceArchivationhandler does not work in Subprocesses**
- ✔ [TNR-3879] - **"Process" column in tab "search results" cannot be sorted**
- ✔ [TNR-4062] - **SignalLinkedSuperProcessHandler should take care about active client**

- ✓ [TNR-4140] - **RulesMatrix values sometimes swap columns**
- ✓ [TNR-4162] - **Scroll bar missing in Resource tab**
- ✓ [TNR-4418] - **Search results cannot be exported to XLS**
- ✓ [TNR-4465] - **Exception can't be triggered twice on same task**
- ✓ [TNR-4497] - **Deployment not possible due cached expression-validation**
- ✓ [TNR-4675] - **ADD\_BCC is not resolved in mailnodes**
- ✓ [TNR-4692] - **Files are not replaced on upload in resource tab if name matches**
- ✓ [TNR-4774] - **defaultRepresentative does not get active tasks from user with absence**
- ✓ [TNR-4929] - **Office365 errors do not fit in errormessage column**

## Known Bugs

[TNR-4736] - SAML signatures do not work for EAP 7.1

[TNR-4649] - Process variables are not replaced in task descriptions if process has been restored and published in repository

[TNR-4291] - Mailnodes in Repository cannot be extended with ATTACH REGEX

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