Changelog yuuvis RAD 9.0

Schlüssel	Zusammenfassung	Beschreibung

ERA-7601	Schema supports new field type: Set	As a schema modeler, I would like to model sets, in order to be able to use clear data models instead of 1-column-table as before.
		
		Acceptance criteria:
		
		• Multifield that is shown in client is modeled as a set and will be visualised with multi-chips, as before
		• Set can be only created with the following simple data types
		  ○ Strings / StringsEx
		  ○ IDs
		  ○ CatalogueEntries
		• Single column tables behave as ordinary tables, without any special semantics (~~ERA-9230~~)

ERA-8505	User is prevented from creating datafield ending with _meta	As a modeler, I would like to be informed that certain data-field names are reserved and cannot be used in a process model, in order to reduce subsequent errors after process deployment. In this case, variable name shall not end with "_meta" since it is used as a suffix in the REST interface (to describe the properties of a field). Acceptance criteria: • If a data field ends with "_meta" (case-insensitive) it is marked as invalid and the data field cannot be created nor edited (in the same way that data fields starting with a number cannot be created)

ERA-8880	User can unclaim all his/her tasks	As a user I would like to be able to return all claimed tasks, so that other colleagues can claim them and work on them.
		
		Acceptance criteria:
		
		• User can return all claimed tasks
		
		Technical details:
		
		• Idea from refinement: extend admin-endpoint from ~~ERA-8885~~ in core-service
		  ○ user without system privileges:
		    ■ provides own user id as personalizerId => returns own tasks
		    ■ provides other user id => response: "Unauthorized"
		  ○ user with system privileges:
		    ■ provides any user id (may be his/her own) as personalizerId => returns tasks of that user
		• we add new testcase for this, that tests both this and ~~ERA-8885~~ (implicitly)

ERA-9012	Allignment of column values in form tables can be configured	As a user, I want to be supported by aligned columns in form tables so that I can better read the contained values.
		
		Acceptance criteria:
		
		• In the DMS and BPM forms table, a value is aligned as configured for the field in the form.
		• The alignment can be
		  ○ Left
		  ○ Right
		  ○ Centered
		  ○ Undefined/Nothing (in this case, default alignment in client is being used, same as in 8.16LTS). This is the default value.
		    "Undefined" will not be explicitly sent to client, but the form json will omit the alignment property.

ERA-9167	Table cannot be a null-value	As a modeler, I would like to see configuration options in designer that have effect on system behavior. Since it is not possible to have null-able tables in DMS schema, the checkbox that allows null-values for table field shall be removed. Acceptance criteria: • Checkbox for "Allow NULL values" for field of type table in DMS schema is removed

ERA-9192	Object types can be derived from more than one abstract type	As a solution developer, I want to be able to derive an object type from more than one abstract object type, for e.g. to assign my basic metadata to several object types as well as a system abstract type that covers properties for a signature process.

Acceptance criteria:

- It is possible to derive an object type from more than one abstract object types
- in case of a name clash (an objecttype inherits fields from two abstract types that contain field with the same name)
  - a validation error is shown and schema cannot be activated
  - designer marks the erroneous fields in list of fields of an object so that user can resolve the issue more easily

ERA-9202	Remove binary fields from designer and schema	As a modeler, I would like that yuuvis RAD supports me during modeling so that I create not only technically correct schema, but also good solutions. Metadata fields of binary type shall not be used since it is better to handle such content as document-content of an object (it can be properly handled by rest of the system, while binary field will be handled as BLOB data that cannot be rendered, properly searched, etc.)

Acceptance criteria:

- Management of binary fields is removed from designer and thus no longer possible
- If schema is opened that contains binary fields, these fields are shown as erroneous and can be only removed
- If user attempts to activate schema that contains binary fields, an error is shown in validation and schema cannot be activated

ERA-9210	Missing classification targets are identified in validation	As a system administrator, I would like that missing classification targets are identified in validation in order to reduce the possibility of an error during system activation.

Acceptance criteria:

- If a schema contains an ID fields that has a classfication and the target object-type of this classification is missing in the schema, validation identifies this issue and reports an error

TUK-105	Document files of type PDF, audio and video are previewed with the support of ranging	As a user, I don't want to wait until the document file is completely loaded, so I can start to view/play the file.

Prerequisite: The viewer service is part of the service infrastructure.

Acceptance criteria:

- The backend supports ranging of document files of types PDF, video, and audio.
- The viewer is able to request a specific page/range of such a file.

TUK-573	The old ESQL documentation is reworked and published on the developer portal	The just secret documentation can get from Frank Klingebiel, should be given over to documentation, reworked and published on the developer portal.

Now available here: https://yuuvisdevelop.atlassian.net/wiki/spaces/onpremise/pages/319622189/Using+eSQL

TUK-1156	Users are supported by an increased performance while creating an object with file because the Prepare Service will no more move files that should be saved on the same medium	As a user, I want to be supported by an increased performance because the Prepare Service will no more move files that should be saved on the same medium.

Acceptance criteria:

- The prepare service does not move the file if it should be saved on the same medium.

TUK-1217	Users get a meaningful notification if more than the listed processes are found	As a user, I want to be informed about more found processes than listed so that I can modify my search to get fewer.

Acceptance criteria:

- If the limit is exceeded, a notification is displayed with this information:
  en: "There are more processes found than listed. Modify your search to get fewer processes.
  de: "Es wurden mehr als die gelisteten Prozesse gefunden. Passen sie Ihre Suche an, um die Liste zu reduzieren."

TUK-1357	Administrators can return accepted tasks of a user	As an administrator, I would like to be able to return all accepted tasks of a user (for instance due to the user's absence, or for any other reason) so that other colleagues can accept them and work on them.

As an administrator, I would like to be able to return all accepted tasks of a user (for instance due to the user's absence, or for any other reason) so that other colleagues can accept them and work on them.

Acceptance criteria:

- Administrators with the functional right MANAGE_PROCESSES can return all accepted tasks of a user.
- In the view 'Organization' a new action 'Return all accepted tasks'/'Alle übernommenen Aufgaben zurückgeben' in the new section 'Processes' is offered.
    - ■ After a click on this action, a security question is offered.
    - ■ After 'OK' the internal endpoint DELETE bpm/process/activitylocks?userId=id is called.
        - In this case of an error, a notification is shown: "This action could not be executed."/"Diese Aktion konnte nicht ausgeführt werden."
        - Otherwise, a notification is shown: "Number of returned tasks: <number>."/"Anzahl der zurückgegebenen Aufgaben: <number>."
- Below the checkbox 'Present' this information is given: "Accepted tasks can be returned by an action."/"Übernommene Aufgaben können über eine Aktion zurückgegeben werden."

TUK-1406 — Users are supported by values in DMS and BPM form table columns that are aligned as configured

As a user, I want to be supported by aligned (left, right, mid) columns in DMS and BPM form tables so that I can better read the contained values.

Acceptance criteria:

- In the forms table, a value is aligned as configured for the field in the form.

TUK-1425 — The Viewer Service is part of the service infrastructure

As an administrator, I will be able to install the Viewer Service together with all other services so that it can be used by the client for viewing files as defined.

Acceptance criteria:

- The viewer service is built as a nodejs application executable that is part of the service manager setup.
- After setup: The gateway configuration does know about the viewer service and is documented.
- In case of updates and if it is not possible to adapt the configuration: the necessary manual configuration is documented in the update steps description.

- ○ The service watcher is configured for controlling the viewer service so the administration page shows the existence of the viewer service.
- The viewer service shows the file in the browser with an open session if the URL is correctly given.

TUK-1427 — The client uses the Viewer Service for previewing the content

As the system responsible, I want the system to offer an additional extendible viewer service that offers the viewing components, and that the client is requesting this viewer service so that the client source is reduced.

Acceptance criteria:

- In a new installation, the client is using the new viewer service by default.
    - ○ The old viewer components are removed from the client, only the old email viewing component is still part of the client and can be configured to be used instead of the new one of the viewer service. This is the configuration that can be put in the extend.json file:

```
"preview": {
    "viewers": [
        {
            "mimeType": ["message/rfc822", "application/vnd.ms-
outlook"],
            "viewer": "() => parameters.defaultViewer + '#'"
        }
    ]
},
```

- The documentation of the supported file formats as given below is available for yuuvis RAD as well: https://help.optimal-systems.com/yuuvis_develop/display/YMY/Usage+of+Viewer+Service

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TUK-1505 — The index and search service are based on Elasticsearch 7.17.8

As a system responsible, I want the system to be based on Elasticsearch 7.17 so that it is kept supported over the whole lifecycle of yuuvis RAD version 9.

Acceptance criteria:

- There is a new setup that installs Elasticsearch 7.17 or updates it.
    - ○ There is a documentation on how to update.
- The index and search service is based on this version.

TUK-1510	The management studio ng can be installed with the service-manager setup	As an administrator, I will be able to let the management studio ng being installed while installing the system.

Acceptance criteria:

- After the setup the management studio ng is reachable with the URL ../app/management10
- In case of an update of a system with a custom configuration, this has to be configured after the installation:
  TBD

TUK-1536	Administrators can toggle between light and dark mode	As an administrator, I want to be able to toggle between light and dark modes if this is better for my eyes.

Acceptance criteria:

- In the settings view the user can choose between the light and dark modes.
- The default is the light mode.
- The selected mode is remembered locally
- All dialogs are optimized for dark mode.

TUK-1571	Users can edit their profile images in the settings	As an administrator or user, I want to add, delete, or change my profile image, so that I can differentiate the accounts I may need to use.

Acceptance criteria:

- A pencil symbol is offered in the profile image area if the mouse is hovering over it.
- A click on this symbol opens the file selection dialog with jpg and png formats set for filtering.
  - After the selection of a file, its image is shown in an upload dialog with a preview. If fine the 'Save' button becomes active. A 'Cancel' button allows canceling the action. After 'Save' the profile image is shown in the profile area of the settings view as well as in the appbar.
  - If the file size exceeds 512 Kbyte an error dialog is offered with the file name and information. With a 'Back'/'Zurück' the file selection dialog is opened again.
  - If the file format is not png or jpg an error dialog is offered with the file name and information. With a 'Back'/'Zurück' the file selection dialog is opened again.
- If a profile image exists a trash bin symbol is offered when the mouse is hovering over the profile image area. After a click on this symbol, a security question is asked. After 'Delete' the profile image is removed from the profile image in the settings as well as from the appbar.
- It is possible to change an existing image.
- The icons can be controlled by the keyboard.

TUK-1633	Users are getting resolved Reference-IDs in the exported CSV file for a result list if this is configured	As a user, I want to get resolved Reference-IDs in the exported CSV file for a result list if this is configured and if the use case requires that.

Acceptance criteria:

- The search service can be requested to export data in a CSV file by resolving reference-IDs. In the search options of the endpoint's payload, the parameter 'resolvereferences' hast to be set to true.
- It is possible to configure in the main.json or extend.json the client to request the resolving for CSV-export including a threshold. The default is not resolving. The default threshold is 10.000.

```
"search": {
  "resolveReferencesCSV": true,
  "resolveReferencesCSVThreshold": 5
},
```

- If the threshold is exceeded the user is informed with a dialog that the resolving will take some time to resolve the reference fields if the threshold is exceeded. And he can cancel the request in that dialog.
  - Titel of the dialog: 'CSV Export'/'CSV-Export'
  - Notification:
    en: 'Exporting this amount of data will take longer. Export anyway and wait for the result?'
    de: 'Der Export dieser Datenmenge wird länger dauern. Dennoch exportieren und auf das Ergebnis warten?'
  - Buttons: 'Cancel'/'Abbrechen', 'Export'/'Exportieren'

TUK-1640	The gateway closes the sessions if the header parameter „x-os-session-keep-alive" is set to false	As a programmer, I want to be able to force the gateway to close the just-opened session to avoid too much open sessions if they are only closed after the configured time.

Acceptance criteria:

- The gateway closes the sessions if the header parameter „x-os-session-keep-alive" is set to false

TUK-1641	Administrators can change the logo on the login-view by configuration	**Originalbeschreibung:**

As an administrator, I want to be able to change the logo of the login page in this case my organization wants to see its own.

Acceptance criteria:

- The login page shows the logo that is configured for the dashboard in the main.json or extend.json:

```
{
   "appLogo": "<path of the file>",
}
```

This is also used by default in the about page.

Optionally the about page can also have an individual logo. In that case, it has to be configured like this:

```
{
   "about": {
      "headerLogo": "<path of the file>"
   }
}
```
 |
| TUK-1652 | Users can see the name of the used saved search in the result view | As a user, I want to see the name of the saved search that I have used in the result list so that I do know my context coming back to my workstation after a small pause.

Acceptance criteria:

- If the user has used a saved search its name is shown in the title of the result list. e.g.:
  Saved search/Gespeicherte Suche: My saved search xyz |
| TUK-1661 | Users are supported by an automated '*' search when opening the quicksearch dialog for a reference field | As a user, I will be supported by an automated '*' search when opening the quicksearch dialog for a reference field so that I do not have to enter that search all the time.

Acceptance criteria:

- If OK to do so: After opening the dialog the '*' search is executed and a list is offered. The focus is at the empty search field. |
| TUK-1747 | Administrators are supported by a signed java.exe so that virus scanners don't filter artifacts | Acceptance criteria:

- The service manager installs the same JDK as used for the core-service (the build is changed) |
| TUK-1756 | Administrators can change the favicon by configuration | As an administrator, I want to be able to change the favicon that is shown in the browser tab by configuration that indicates my OEM product.

Acceptance criteria:

- The favicon is delivered in a way that it is exchangeable by configuration in the main.json or extend.json file in the root definition:

```
"favicon": "<path>"
```

The "path" can be relative or absolute.

- These formats are supported: ico, svg, jpg, png |
| TUK-1770 | Users see the list of object types they have searched for in the title of the result list | As a user, I want to be supported by a list of all object types I have selected for my search in the title of the result list so that I know about my used selection.

Acceptance criteria:

- In the title, this is shown: MyDocType1, MyDocType2, ...
- And if the list is too long three dots are shown at the end and the complete list is shown when hovering over this list. |

TUK-1780	A custom queue can be configured to be used by a custom service	As a programmer, I want to be able to configure a custom queue for my custom service so that it can fetch the objectIds of the objects that should be processed by it so that my service is independent of the infrastructure queues.

Acceptance criteria:

- It is possible to configure custom queues for a custom service in the file messaging-prod.yml:

```
customqueue:
  - name: myQ
    event: renditionText
  - name: myQ2
    event: renditionText,indexDataChanged
```

'name' is the name of the custom queue
'event' is the name of an event that should be saved in the queue

- There is a description of how the custom service can consume the queue items. |
| TUK-1792 | Administrators can exchange the logo of the notification emails | As an administrator of an OEM-operated environment, I want to be able to exchange the yuuvis logo on the notification emails to show the logo of my product to the users.

Todo: Check current feature and documentation.

Acceptance criteria:

- It is possible to configure the own logo for the email notifications in the management studio:

The file has to be saved here:
..\core-service\standalone\configuration\communication
After restart of core-service the configured files are used.
Updates of core-service do **not** overwrite the manually added files!

Path to system mails:
..\core-service\standalone\configuration\template\system\mails\images (system-mails) |
| TUK-1797 | Users get the list of the last used text filters in the inbox | As a user, I want to be supported by the list of the last used text filters in the inbox so that I can easily select one instead of typing it again.

Acceptance criteria:

- when focussing the text filter field the list of the last five used ones is listed. The user can pick one by using the keyboard. |
| TUK-1800 | The service manager is based on JDK 17 | As the system responsible, I want the service manager to be based on JDK 17 to keep the system future proved.

Acceptance criteria:

- The service manager setup is deploying JDK 17.
- All services are able to run on this JDK version.
- In this case of an update, JDK 11 is overwritten.
- Customers are informed about the necessity to adapt their customer services. |
| TUK-1801 | Users can reuse the saved search form in the result list | Acceptance criteria:

- In the header of the result list the subtitle show 'Saved search: '/'Gespeicherte Suche: ' followed by:
  - if no form is available a string with the name of the used saved search
  - otherwise, the same button as seen on the dashboard is offered. A click on it opens a popup form and the search can be restarted with changed values. |
| TUK-1825 | The search and index services are compiled for JDK 17 | As a programmer of this service, I want the code to be better readable so that it can be better maintained.

Acceptance criteria:

- The service is compiled for JDK17
- The code for CSV export code is optimized
- The code in general is more readable |

TUK-1830	Administrators can see the requesting host of a call in the rest-ws interface	As an administrator, I want to be able to see the requesting host of a call in the rest-ws interface in case of an attack. Acceptance criteria: • The Gateway adds/forwards the X-Forwarded-For header to the core-service.
TUK-1843	Administrators are supported by a service manager installation dialogue that keeps staying if the entered server name is wrong	As an administrator, I will be supported by a service manager installation dialog that keeps staying if the entered server name is wrong so that I can correct it. Acceptance criteria: • The dialogue keeps staying if the entered server name is wrong.
TUK-1849	Administrators can derive an object type from more than one abstract object type	As an administrator, I want to be able to derive an object type from more than one abstract object type, for e.g. to assign my basic metadata to several object types as well as a system abstract type that covers properties for a signature process. Acceptance criteria: • core-service: object types with more than one abstract object type assigned are handled well.

TUK-1865	The version numbers of the frontend library components in the gateway login dialog are removed	As an administrator, I will be supported by dynamically referenced library components so that I do not have to change the version numbers after an update of yuuvis RAD in case of a customized gateway login page.
		
		Acceptance criteria:
		
		• The template files (login.html, loggedout.html, error.html) do not contain a version number for:
		• angularjs
		• jquery
		• i18next
		
		Background:
		As described here:
		https://help.optimal-systems.com/yuuvisRAD/v80/admin/en/administration/client-config/config_custom_login.htm?Highlight=resources.static-locations
		
		A user can add a "customized" login/logout dialog for the gateway (for the "old" managementstudio and rest-ws the gateway has an own built-in dialog)
		To customize the dialog the normal use case is: to copy the existing dialog pages and make some little adjustments (logo, title)
		But until now there where hardcoded library-version inside the dialog:
		
		But from now on the gateway works without these numbers (it will always use the latest available version delivered with the gateway):
		screenshot-2.png🖼
		
		If an administrator already has created an customized login/logout-page he should remove the version numbers to prevent conflicts in the version 9.x:
		login.html
		
		``` <script>...'/webjars/angularjs/angular.min.js'"></script> <script>...'/webjars/jquery/jquery.min.js'"></script> <script>....'/webjars/i18next/i18next.min.js'"></script> ```
		
		loggedout.html
		
		``` <script>....'/webjars/jquery/jquery.min.js'"></script> ```

TUK-1867	Administrators are supported by a security log that lists failed login attempts, locking a user, and changing system configuration	As an administrator, I will be supported by logged not successful login attempts, locking of a user, and changes of the schema and roles so that I can see whether the system is attacked. Acceptance criteria: • In the management studio, it is possible to enable the security log. The default is disabled. • The core-service logs failed logins into the database as well as into the security log file. The log contains the original IP address. ○ Additional log entries are written for locking a user, and changes of the schema and roles. • There is a new monitoring GET endpoint ../monitor/seclog that supports querying the security log entries. The GET endpoint ../monitor/seclog/{id} gets the log info of the given event with id.

TUK-1869	Users are informed about the mime type of the documet file in the object details summary	As a user, I want to be informed about the mime type of the document file in the object details summary so that I can use this information for further handling on my device. Acceptance criteria: • The summary is listing the 'Mime type' below 'File type'.
TUK-1870	The core-service can be updated without a new installation	As an administrator, I want to be supported by an update installation of the core-service 9.0 without a new installation so that I do not lose configurations. Acceptance criteria: • The update installation of the core-service 9.0 is possible without a new installation • TODO: describe this topic: The wildfly configurations are contained in the yas-app.properties
TUK-1871	Programmers can extend the extraction service with a custom plugin	As a programmer, I want to be able to extend the extraction service with a custom plugin if I want to analyze file formats that are not supported by the service yet. Acceptance criteria: • It is possible to extend the service with a plugin if configured in the file extraction-prod.yml:

```
plugins:
  enabled: true
  directory: "../../data/plugins"
```

Default is enabled: false

• The existing extraction capability for pgn-formatted files is no more part of the service but there is a plugin example that supports this extraction of these pgn-formatted files.
• There is documentation about how to write a plugin and how to set it up here: https://yuuvisdevelop.atlassian.net/wiki/spaces/onpremise/pages/380567559/Extending+the+Extraction+Service+Using+Plug-ins

TUK-1882	Administrators are getting only the running processes when requesting processes for an inbox	As an administrator, I want to get only the running processes when requesting processes for an inbox so that I usually do not reach the limit of 10.000 listed processes. Acceptance criteria: • In this case applying the inbox of a user, the endpoint is only requested for running processes
TUK-1917	The extraction service suppports ZUGFeRD 2.2 based invoices	As a user, I want to be supported by the extraction of ZUGFeRD 2.2 based invoices so that I can save them getting well mapped propperties. Acceptance criteria: • The extraction service is updated to ZUGFeRD 2.2 • Example-Files should be attached to this ticket.
TUK-1925	The alignment of result list columns can be configured by the users	As a user, I want to be able to align the result list columns if this helps me better read the values. Acceptance criteria: • In the result list configuration, it is possible to align each column with 'align'/'ausrichten'. The default is none as it was, possible alignments are left, rigth and centered which are indicated by an arrow. • The result list column values are aligned as configured.

TUK-1926	Administrators are supported by metrics logging of the agent service, gateway service, dms-sidecar, and rendition-sidecar (9.0)	As an administrator, I want to be supported by all system microservices offering metrics-logs so that I can analyze all REST-WS calls for example with Kibana.
		
		Acceptance criteria:
		
		• These services are enabled by adding the @EnableTracing annotation to the Application class as shown below and are written into the file services.log.metrics:
		
		• These services are enabled as well:
		  ○ agentservice
		  ○ Gateway
		  ○ extraction service
		  ○ OCR service

TUK-1942	Administrators are supported by a clean-up operation for the security log	As an administrator, I will be supported by a clean-up operation for the security log. Acceptance criteria: - There is a new organization operation "clean up security logs" in the management studio that supports removing security log items from the database. - After installation, a standard operation is set up that cleans up the logs every day which are older than 6 months. The number of months can be changed.
TUK-1948	Administrators are supported by a visualization of the security log in the REST-WS interface	As an administrator, I will be supported by a visualization of the security log in the REST-WS monitoring interface so that I don't have to go remote onto the system. Acceptance criteria: - In the session monitoring view of REST-WS interface, a list of the youngest 1.000 log entries is shown with information about the time, the type of event, the user name, and IP address.
TUK-1970	Administrators are supported by a core-service that runs with SQL Server 2022	As an administrator, I want to be able to use Microsoft SQL Server 2022 with yuuvis RAD so that I can stay on the latest version and within the support. Acceptance criteria: - The database driver is updated-.
TUK-1973	Repositorymanager 4.3 : Integreate new minor release into yRAD-installation	Kooka did some bugfixing and so there is a new version of repositorymanager4.3 which needs to be integrated into servicemanager setup for yR 8.16 LTS. Person to contact in case of technical question; Nemanja Zutic / Ivan Ristic
TUK-1974	The setup for Elasticsearch 7.17.8 is available	- The setup is available

TUK-2008	The extraction service can be configured to skip the EXIF analyses to prevent performance issues	As an administrator, I want to be able to configure the extraction service so that it skips the EXIF analyses and prevents performance issues.
		
		Acceptance criteria:
		
		- The EXIF analyses is skipped if this configuration is given in the extraction-prod.yaml file:
		
		`skipexif:`
		`  extensions: "xml,xsd"`
		`  threshold: 10MB`
		
		'extension' must be a list of extension shortcuts or "*" for each file
		'threshold' is the size of the file in KB and MB for kilobytes and megabytes. If no threshold is given all files with the given extensions are skipped.

TUK-2078	The accessibility of the profile menu and settings view is optimized	As a user, I want to be able to navigate through the settings view using only the keyboard so that I don't have to touch the mouse that I can't control well.
		
		Acceptance criteria:
		
		- The profile menu is completely controlled by the keyboard.
		  - If the profile image is focused the menu can be opened by pushing the 'Enter' or 'Space' key.
		  - If the menu is opened the first element is focused.
		  - The focused element can be activated by pushing the 'Enter' or 'Space' key.
		  - The focus on an element can be moved by pushing the tab and shift-tab as well as by the cursor up and down keys.
		- The settings view is completely controlled by the keyboard.
		  - After opening the view the 'Present' button is selected.
		  - All controls can be reached by pushing the 'Enter' or 'Space' key.
		  - The controls for 'Password change' and 'Roles' are indicated as focused. If focused the control is expanded and again collapsed by pushing 'Enter' or 'Space' key. If expanded the next tab push is focusing the first field and so on. If collapsed the next control is focused.
		    - The eye symbol can be focused as well and be toggled by pushing 'Enter' and 'Space' as well. When the symbol is focused this is indicated. Hovering over the eye the cursor is changed to the hand and the color changes.
		  - The same new control is used in the summary tab as well for expanding and collapsing the different sections (refactoring).
		  - The whole data area can be moved up and down pushing the page up and down key.

TUK-2156	After opening the settings view, the button 'Present' is focused	As a user, I want after opening the settings view, the button 'Present' to be focused so that I can start tabbing through the view. Acceptance criteria: • After opening the settings view, the button 'Present' is focused.
TUK-2164	It is possible to upload a profile image via the new user service REST-WS endpoint	As a programmer, I want to be able to call an endpoint in the context of a user to upload his profile image so that the user can do this instead of an administrator. Accpetance criteria: • There is an REST-WS PUT endpoint ../service/user/image that allows to upload an image of the formats png and jpg with a maximum of 512 KBytes.

TUK-2193	Sets and single column tables are supported by the client	As a user, I want to be supported by multi-value form controls that are based on the new sets so that I can use them like the old single-column table controls.
		
		Acceptance criteria:
		
		• These multi-value fields are working well in DMS and BPM forms:
		  ○ string (email, URL, phone, dynamic list)
		  ○ catalog
		  ○ ID (ID, user/group, and reference fields)
		• These single-column tables are working well:
		  ○ string (email, URL, phone, dynamic list)
		  ○ catalog
		  ○ ID (ID, user/group, and reference fields)

TUK-2197	Users can see that the focused object is shared	As a user, I want to see whether an object is shared so that I can decide whether to check the sharing or to unshare the object.
		
		Acceptance criteria:
		
		• In the header of the object details the sharing icon is shown if the object is shared (parameter 'additionalvisibility' is not empty)
		• A tool tip is shown:
		  ○ EN: 'The object is shared'
		  ○ DE: 'Das Objekt ist geteilt'

57 Vorgänge