



Release-News 23/R1

ibi systems iris



systems

ibi systems GmbH
Rudolf-Vogt-Straße 6
93053 Regensburg
www.ibi-systems.de

Content

1	Important Notes	3
1.1	New user role permissions and assessment activities	3
1.2	New user role permissions for the management of technical background jobs	4
2	Highlights.....	5
2.1	Standardization of assessment automations and extension with dynamic assessment contents.....	5
2.2	Assessment activities for automated audit planning.....	7
2.3	Result-dependent required comment attribute for controls.....	10
3	Overview of all new functions and improvements.....	11
3.1	Comprehensive aspects and usability	11
3.2	Assessments.....	12
3.3	Architecture.....	14
3.4	Repository	15
3.5	Risks.....	16
3.6	Findings.....	17
3.7	Measures.....	18
3.8	Technical adjustments.....	19
3.9	Reporting and Dashboarding	20

1 Important Notes

1.1 New user role permissions and assessment activities



For assessments, it is now possible to schedule the automatic creation of assessments via so-called assessment activities (see chapter 2.2). A prerequisite for the availability of the assessment activities is that the user's user role contains the corresponding permissions. The new permissions are not automatically assigned to the existing user roles with the installation of the new release, i.e. it is deactivated by default for all user groups. To activate the permission, the corresponding entry must be assigned to the respective user role (activate checkbox).

The screenshot shows the 'User management' interface with the 'User roles' tab selected. A 'Filter' section is visible above a list of permissions for a 'New user role'. The 'Assessments' permission is highlighted with a green box and is currently unchecked. Other permissions are checked, including 'Create and edit templates automatically', 'Export assessment templates', 'View assessments', 'Create and edit assessments', 'Delete assessments', 'Import assessments', 'Create and edit assessment contents', 'Delete assessment contents', 'Create and edit assessment scheduling', 'View assessment groups', 'Create and edit assessment groups', and 'Delete assessment groups'. The 'Assessments' section includes 'View assessment activities', 'Create and edit assessment activities', 'Delete assessment activities', and 'Export assessment activities', all of which are currently unchecked. The dialog has 'Save', 'Save and open', and 'Cancel' buttons at the bottom.

Permission	Checked
Create and edit templates automatically	<input checked="" type="checkbox"/>
Export assessment templates	<input checked="" type="checkbox"/>
Assessments	<input type="checkbox"/>
View assessments	<input checked="" type="checkbox"/>
Create and edit assessments	<input checked="" type="checkbox"/>
Delete assessments	<input checked="" type="checkbox"/>
Import assessments	<input checked="" type="checkbox"/>
Create and edit assessment contents	<input checked="" type="checkbox"/>
Delete assessment contents	<input checked="" type="checkbox"/>
Create and edit assessment scheduling	<input checked="" type="checkbox"/>
View assessment groups	<input checked="" type="checkbox"/>
Create and edit assessment groups	<input checked="" type="checkbox"/>
Delete assessment groups	<input checked="" type="checkbox"/>
View assessment activities	<input type="checkbox"/>
Create and edit assessment activities	<input type="checkbox"/>
Delete assessment activities	<input type="checkbox"/>
Export assessment activities	<input type="checkbox"/>

1.2 New user role permissions for the management of technical background jobs



With the appropriate permission, the technical job administration is now also visible (see chapter 3.8). **However, this permission should only be activated for individual dedicated support users in very rare cases.** The link to the Hangfire Dashboard that is thereby enabled is only necessary for system administrators in the context of error analysis in the case of support and can impair the functionality of the software to the point of data loss if used improperly.

The screenshot shows the 'User management' interface with the 'User roles' tab selected. A 'Filter' section is visible at the top. A modal window titled '(New user role)' is open, displaying a list of permissions. The 'System' role is selected, and the 'Job management (technical)' permission is highlighted with a green box. The 'Job management (technical)' checkbox is currently unchecked.

Permission	Checked
Delete risk treatment options	<input checked="" type="checkbox"/>
System	<input checked="" type="checkbox"/>
View persons in register	<input checked="" type="checkbox"/>
Create and edit persons in register	<input checked="" type="checkbox"/>
Delete persons from register	<input checked="" type="checkbox"/>
Import persons	<input checked="" type="checkbox"/>
View topics	<input checked="" type="checkbox"/>
Create and edit topics	<input checked="" type="checkbox"/>
Delete topics	<input checked="" type="checkbox"/>
View text blocks	<input checked="" type="checkbox"/>
Create and edit text blocks	<input checked="" type="checkbox"/>
Delete text blocks	<input checked="" type="checkbox"/>
View notification rules	<input checked="" type="checkbox"/>
Create and edit notification rules	<input checked="" type="checkbox"/>
Delete notification rules	<input checked="" type="checkbox"/>
Export notification rules	<input checked="" type="checkbox"/>
Manage system notification rules	<input checked="" type="checkbox"/>
Import center	<input checked="" type="checkbox"/>
Import licenses	<input checked="" type="checkbox"/>
Export configurations	<input checked="" type="checkbox"/>
Import configurations	<input checked="" type="checkbox"/>
Job management (technical)	<input type="checkbox"/>

Buttons: Save, Save and open, Cancel

2 Highlights

2.1 Standardization of assessment automations and extension with dynamic assessment contents

The assessment automations for the assessments and assessment templates have been standardized and supplemented by the possibility of defining dynamic assessment contents. The list of assessment automations defined for an assessment or an assessment template can now no longer be found under the tab assessment content, but under a separate tab.

The basis of an assessment automation is the **rule definition** with any number of conditions. As a condition, it can be specified that the result of a control should take on or deviate from a predefined (target) value, or that a defined status should (not) occur. In addition, several conditions can be nested using the AND and OR functions.

The screenshot shows the configuration page for an assessment automation. The main title is 'Prüfautomation Application Security Check'. Below the title are tabs for 'Overview', 'Master data', and 'History'. The 'Master data' tab is active.

Rule definition: This section allows defining conditions. It includes dropdowns for 'Control' (set to 'Vertraulichkeit') and 'Result' (set to 'Is equal'). There are also checkboxes for 'Target value' (checked) and 'Is not equal' (unchecked). A 'remove' link is present for each condition.

Dynamic assessment content: This section shows 'Controls' (e.g., 'Personenbezogene Daten') and 'Assessment blocks' (e.g., 'Über welche Geräte erfolgt der Zugriff'). A note states: 'The selected controls and assessment blocks are hidden when performing the assessment until the defined rule is fulfilled.'

Modification of affected elements: This section allows selecting elements to be modified. It includes dropdowns for 'Asset' (set to 'Confidentiality') and 'Process' (set to 'Availability'). A 'From control' section has a checkbox checked for 'Vertraulichkeit' and a dropdown set to 'High'. 'remove' links are provided for each element.

Measure recommendations: This section lists measures with their application settings. The table below summarizes the visible data:

Measure recommendations	Valid for the whole assessment	Valid for the following controls	Deduce automatically when assessment is closed	remove
A04_040 a Implementierung eines Virenschutzes	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>	remove
A05_030 a Regelmäßige Behebung von Schwachstellen	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>	remove

At the bottom, there are 'Save' and 'Cancel' buttons.

Figure 1 Assessment automation using the example of the Application Security Check

There are three types of automations: Dynamic assessment content, modification of affected elements and measure recommendations.

In the context of **dynamic assessment content**, controls and assessment blocks can be selected which are displayed in the wizard for the assessment performing when the defined automation rule occurs. Without firing the automation, these controls or assessment blocks are not visible to the assessor during performing the assessment.

When **modifying affected elements**, it is possible to select for the assets and processes mapped with the assessment how the protection requirement of which protection target should be automatically modified. The protection requirement for the assets or processes can either be taken from the result of a control or set to a predefined value. The modification of the affected elements takes place as soon as, on the one hand, the conditions of the automation are fulfilled and, on the other hand, the assessment has been closed.

With regard to the **measure recommendations**, various measures can be selected that are to be recommended to the user when the condition occurs. Here it can be selected whether the recommended measures are to be recommended for the

whole assessment or only for individual controls. In the latter case, the recommendations are displayed in the assessment wizard directly at the individual controls at the option of deducing recommended measures. In addition, an overview of all recommended measures occurring in the assessment can be found on the overview page of the assessment in the widget *Recommendations*. If the checkbox *deduce automatically when assessment is closed* is set, the recommended measures are automatically deduced as soon as the assessment is closed. The deduced measures can then be seen in the widget *Measures*.

The screenshot shows the 'Application Security Check' overview page. The 'Recommendations' widget is highlighted with a green box. It contains the following data:

<input type="checkbox"/>	Measure	Compendium	Deduce automatically when assessment is closed	Origin
<input type="checkbox"/>	A/04.040 a Implementierung eines Virenschützes	Maßnahmenkatalog Application Security Check [DE]	No	Application Security Check
<input type="checkbox"/>	A/05.030 a Regelmäßige Behebung von Schwachstellen	Maßnahmenkatalog Application Security Check [DE]	No	Application Security Check

Figure 2 Automatically recommended measure recommendations in the widget on the overview page of an assessment

2.2 Assessment activities for automated audit planning

With the new release features a new entry called *Assessment activities* under the tab *Assessments*.

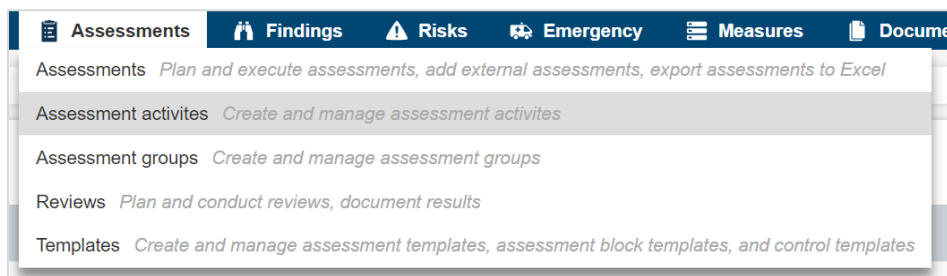


Figure 3 New sub-entry "Assessment activities" at the assessments

Here you have the possibility to plan upcoming assessments in advance and to determine when the corresponding assessments are to be created automatically. When planning, both static and dynamic dataset contents can be defined, which are automatically stored in the generated assessments.

In the master data, under **general** and **subject areas**, the master data of the assessment activity is first stored. Here, for example, the *responsibilities* of the assessment activity as well as its *life cycle* can be specified.

In the **properties** area, you can determine from which *assessment template* the assessments are to be generated. In addition, the *assessment type*, the *assessment method*, the *assessment group* and the *caption* for the future assessments can be defined here. In the assessment activity, the **documents** and the **description** for the future assessments can also be stored and the **affected elements** of the future assessments can be selected. The assessment type, the assessment method, the *assessment group*, the *caption*, the documents and the description are preset when the assessment template is selected and can be adjusted or supplemented. All listed attributes are automatically transferred to the master data of the respective assessment created.

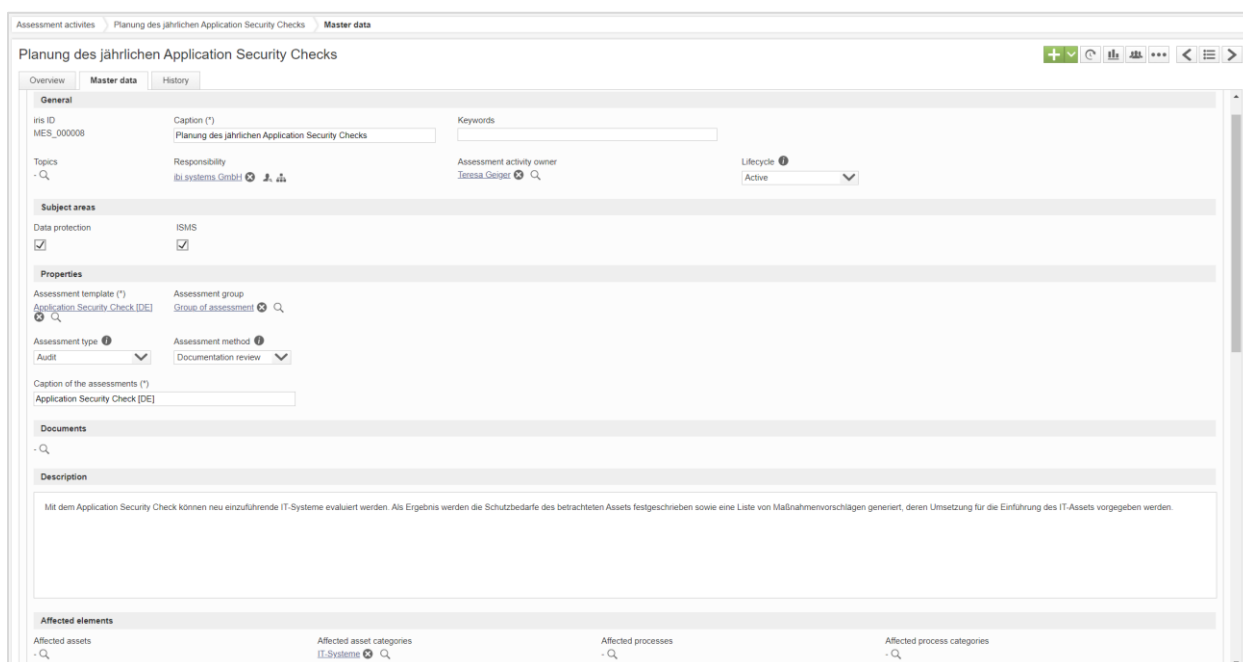


Figure 4 Master data of an assessment activity using the example of the Application Security Check (Part 1)

Assets, processes or organization units can be defined as *assessments objects* in the **assessment settings**. For each selected assessment object, a separate assessment is automatically generated from the assessment template when the assessment activity is due. For each of the generated assessments, the relevant assessment object is automatically stored as an affected

element (in addition to the generally defined ones). Based on the selected type of the assessment objects (assets/processes/organization units), the selection options for the dynamic attributes, such as for the *dynamic assignment of assessor* (see section **assessment scheduling**), are automatically adjusted. For example, the responsibility of the assets/processes or the managing organization unit of the assets/processes can be selected for the dynamic assignment of the assessor in the case of the assessment objects assets or processes. If organization units are defined as assessment objects, the contact persons of the organization units or the organization units themselves can be selected here, for example. The corresponding attributes are then automatically filled for each of the future assessments depending on the assessment object.

Both for the *responsibility* of the assessment in the **assessment settings** and for the assignment of *Assessment closing by*, *Assessor* and *Reviewer* under **assessment scheduling**, there is a static attribute for the direct selection of users or organization units to be assigned. These are adopted for all automatically generated assessments. In addition, it is possible that responsible users or organization units are automatically assigned in future assessments depending on the selected assessments objects using the dynamic assignment. For example, the user *John Doe* can be defined as the static assessor for an assessment activity and the responsibility of the assessment object for the dynamic assignment of the assessor can also be selected. If, for example, the responsibility of the assessment object *asset 1* were the organization unit *ibi systems*, then both *John Doe* and the organization unit *ibi systems* would be assigned as assessors for an automatically generated assessment for *asset 1*.

In the **assessment settings**, you can also specify how much time before the actual start of the assessment period the assessments are to be created via *Create assessments prior to start date*. The assessment period is specified under **assessments schedule**.

In the **assessments schedule** section, you can also set whether the assessments are to be created once or as a series of assessments and, if so, at what interval they are to be created in series.

In the **assessment settings** as well as in the **scheduling settings**, further settings can be made for the assessments created in the future. For example, it can be determined whether the *assessment is only visible to assessors from the start of their individual assessment periods* or whether the *assessment period is set*.

Figure 5 Master data of an assessment activity using the example of the Application Security Check (Part 2)

All assessments created from the assessment activity can be seen on the overview page of the assessment activity in the widget *Assessments*. The automatic creation of assessments always takes place the night before the selected assessments creation time.

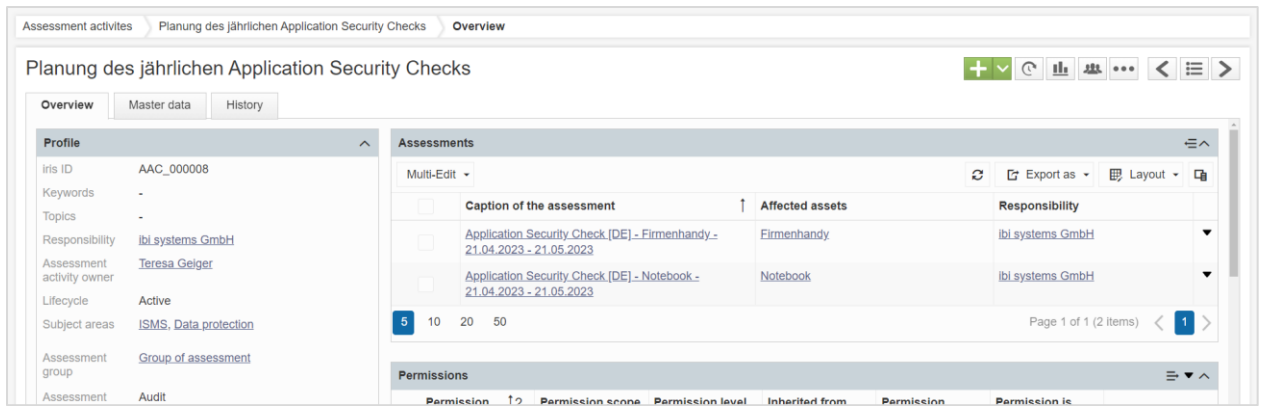


Figure 6 Overview page of an assessment activity with automatically generated assessments in the widget

2.3 Result-dependent required comment attribute for controls

When creating a control or control template, the **visibility** can be set to determine whether the *comment* on a control is always required when performing the assessment or whether it is required depending on the result or status of the control. In this regard, it can be set that the comment is either required if the status of the control is indicated as *not applicable* or if the result of the control doesn't meet the target value.

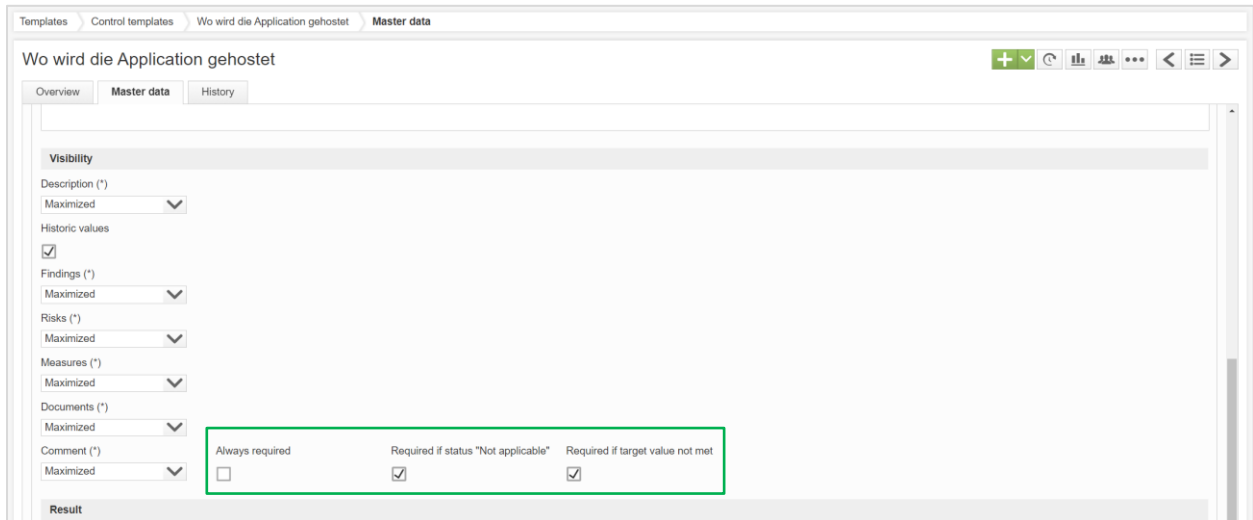


Figure 7 Setting of the comment as a required attribute in the master data of a control template

If no comment is given during performing the assessment, although it would be required, an error message appears indicating that the comment is required.

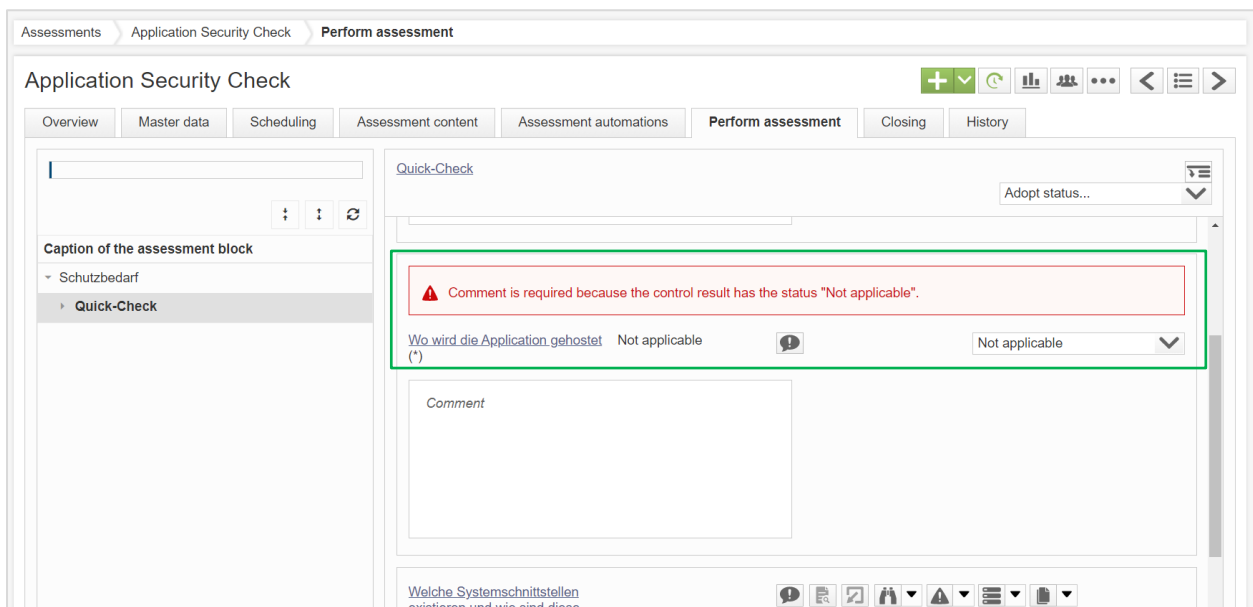
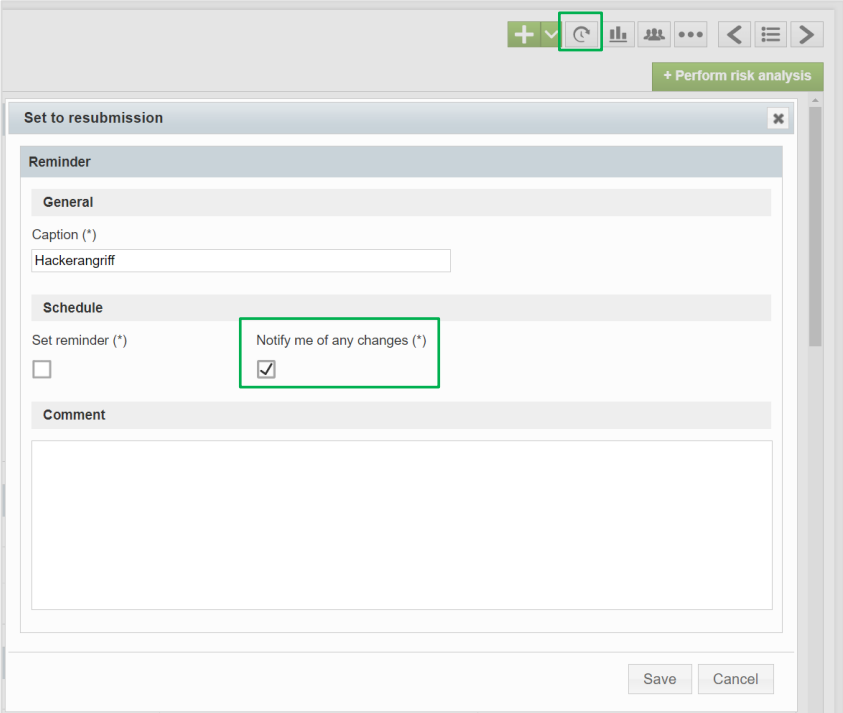




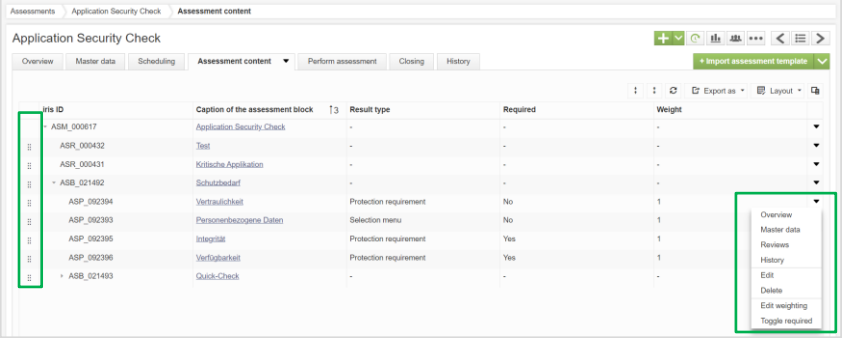


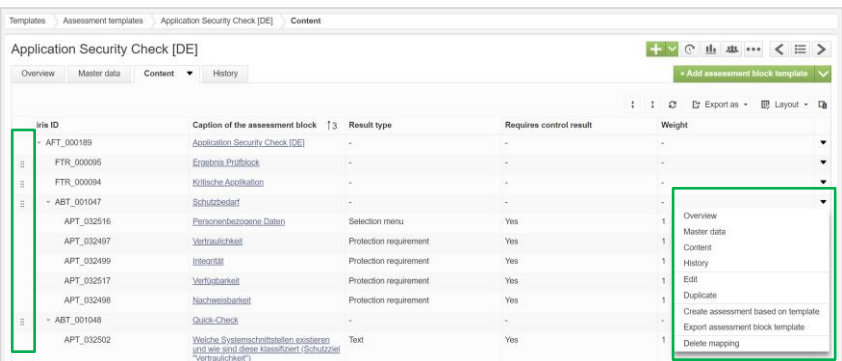
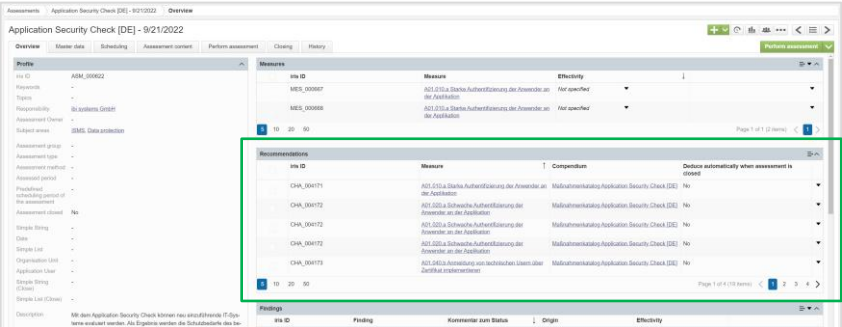
Figure 8 Error message for missing required comment

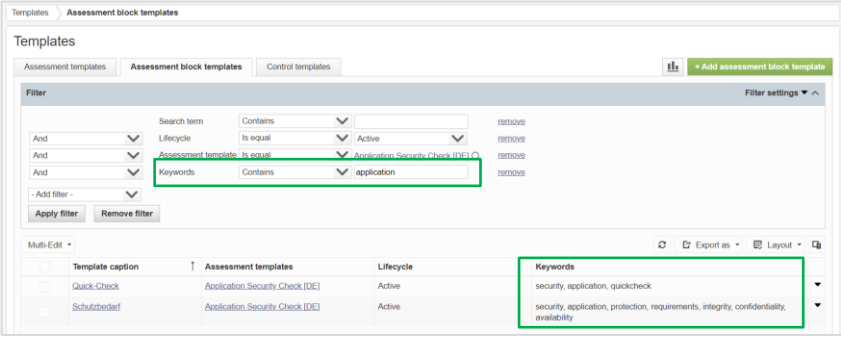
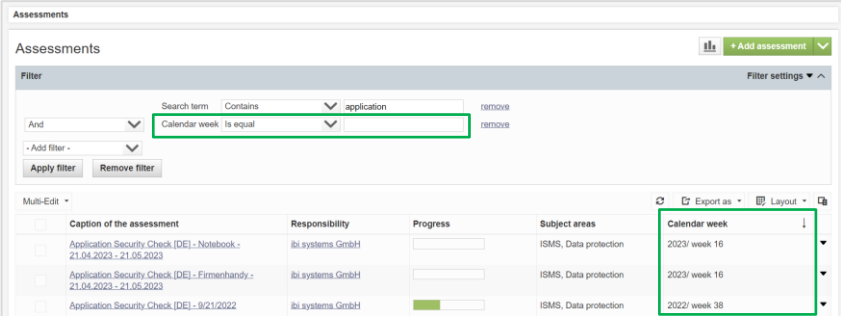
3 Overview of all new functions and improvements

3.1 Comprehensive aspects and usability

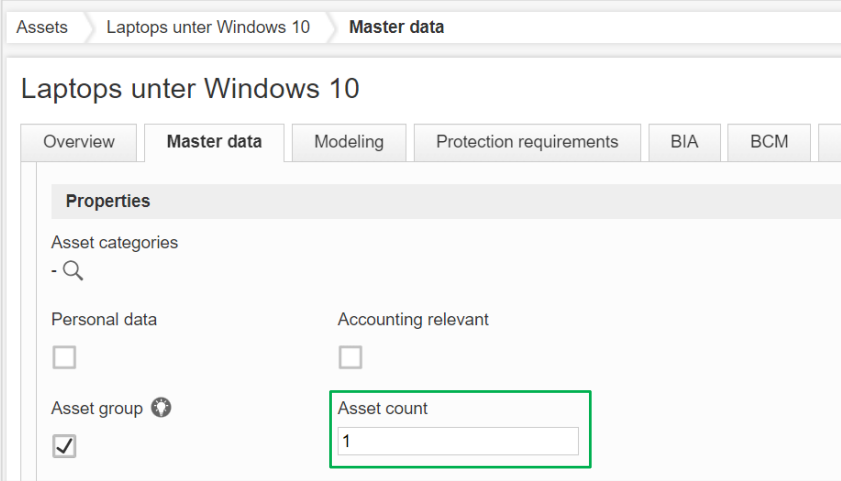
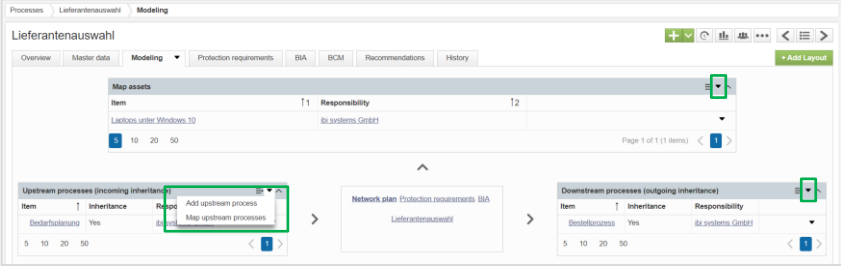
Caption	Description
<p>Extension of reminders with notification of dataset changes</p>	<p>It is now possible for the current user to be informed when any change is made to a particular dataset. This notification can be set in addition to the previous scheduling reminder in the reminder.</p>  <p>The screenshot shows a dialog box titled 'Set to resubmission'. It has a 'Reminder' section with three sub-sections: 'General', 'Schedule', and 'Comment'. In the 'General' section, the 'Caption (*)' field contains 'Hackerangriff'. In the 'Schedule' section, there are two checkboxes: 'Set reminder (*)' (unchecked) and 'Notify me of any changes (*)' (checked). The 'Notify me of any changes (*)' checkbox is highlighted with a green box. At the bottom right of the dialog are 'Save' and 'Cancel' buttons.</p>
<p>Clearer e-mail layout for the notification of dataset changes</p>	<p>The layout of the outgoing e-mails for the notification of dataset changes was adjusted to improve clarity.</p>

3.2 Assessments

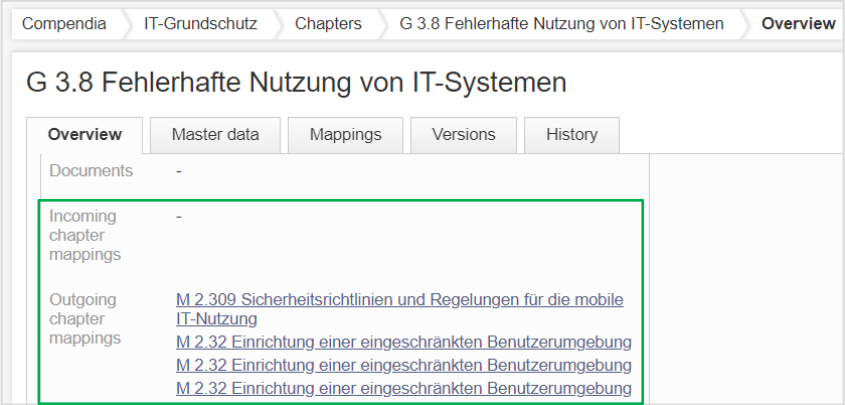
Caption	Description
<p>Tree structure in the edit mode of the assessment content of assessments</p>	<p>The assessment content for assessments is now also displayed as a tree structure in the edit mode. The order of all assessment blocks and controls in the assessment content can be changed by drag and drop using . Furthermore, various actions can be carried out directly via the action arrow .</p> 
<p>Content of assessment (block) template as tree structure</p>	<p>Analogous to the assessment content of assessments, the assessment content of assessment (block) templates is now also displayed in the form of a tree structure. Here, too, the order of assessment block and control templates can be changed by drag and drop using , but only of those elements at the top level. Furthermore, various actions can now be carried out directly via the action arrow .</p> 
<p>Widget for measure recommendations at assessments</p>	<p>With the new release, the <i>Recommendations</i> tab at the assessments moved directly to the overview page to the widgets. This means that the measures that have already been deduced or mapped are directly opposite the recommended ones, which provides a quick overview. In addition, measure recommendations can now be deduced directly on the overview page of the assessment without having to navigate to the previous tab.</p> 
<p>Standardization of assessment automations and extension with</p>	<p>The assessment automations for the assessments and assessment templates have been standardized and supplemented by the possibility of defining dynamic assessment contents.</p>

<p>dynamic assessment contents</p>	<p>The list of assessment automations defined for an assessment or an assessment template can now no longer be found under the tab assessment content, but under a separate tab (see chapter 2.1). The basis of an assessment automation is the rule definition with any number of conditions. There are three types of automations: Dynamic assessment contents, modification of affected elements and measure recommendations. In the context of dynamic assessment contents, controls and assessment blocks can be selected which are displayed in the wizard for the assessment performing when the defined automation rule occurs. Without firing the automation, these controls or assessment blocks are not visible to the assessor during performing the assessment.</p>
<p>Assessment activities for automated audit planning</p>	<p>With the new release there is a new sub-entry <i>Assessment activities</i> under the tab <i>Assessments</i> (see chapter 2.2). Here you have the possibility to plan upcoming assessments in advance and to determine when the corresponding assessments are to be created automatically. When planning, both static and dynamic dataset contents can be defined, which are automatically stored in the generated assessments.</p>
<p>New column <i>Keywords</i> for assessment (block)/control templates</p>	<p>At the assessment, assessment block and control templates, the keywords can now also be added as a column in the list view. In addition, it is possible to filter by this column.</p> 
<p>New column <i>Calendar week</i> of assessment begin in the assessment list</p>	<p>It is now possible to add the calendar week as a column in the list view of the assessments. The calendar week is calculated from the assessment start date of the respective assessment period. The column can be sorted chronologically and the attribute can be used for filtering.</p> 
<p>Result-dependent required comment attribute for controls</p>	<p>When creating a control or control template, the visibility can be set to determine whether the comment on a control is always required when performing the assessment or whether it is required depending on the result or status of the control (see chapter 2.3).</p>
<p>Removal of the mappings to findings and documents at assessment blocks</p>	<p>In order to increase clarity and reduce complexity, it is no longer possible to add, deduce, map or import findings and documents in the assessment blocks during performing the assessment. If these functions have already been used here, the corresponding mappings are reassigned from the assessment block to the higher-level assessment. For the individual controls, the functions for the two attributes mentioned as well as for the risks and measures are of course still available.</p>


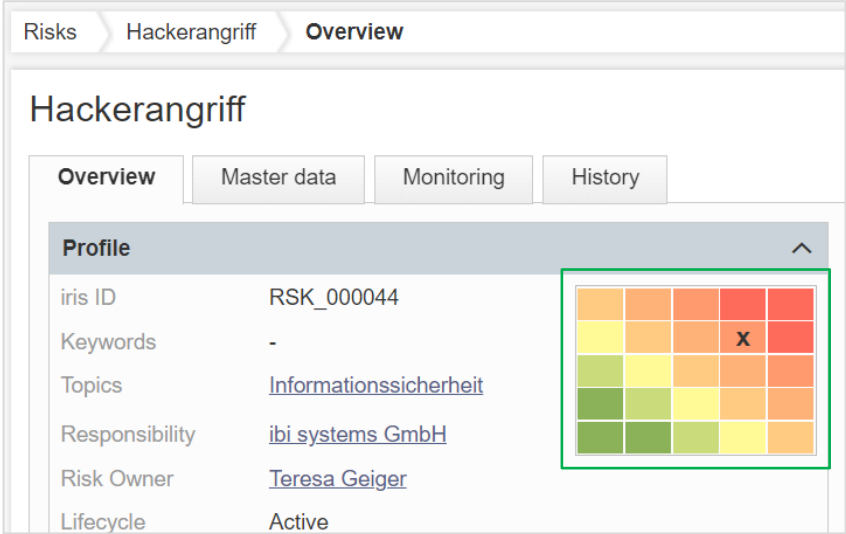
3.3 Architecture

Caption	Description
<p>Removal of the required information for the asset count of the asset group</p>	<p>If the checkbox is set for the asset group in the master data of assets, the attribute <i>Asset count</i> that appears is no longer a required attribute. This means that the values 0 or 1 can now also be entered here.</p> 
<p>Category-independent modeling: Widget functionality for upstream and downstream assets and processes</p>	<p>Up to now, upstream and downstream assets/processes could only be added or mapped in the modeling tab via the green button at the top right. With the new release, these can be added or mapped directly in the widgets of the upstream and downstream assets/processes via the arrow button in the context menu.</p> 

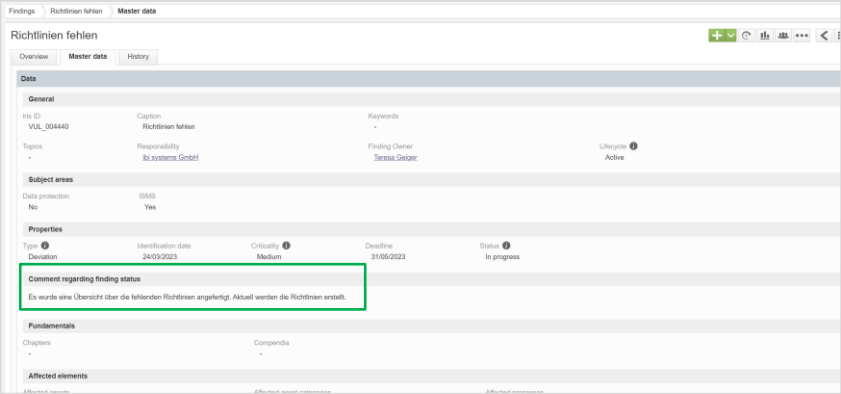
3.4 Repository

Caption	Description
<p>Extension of the profile for chapters with chapter mappings</p>	<p>The profile in the overview of the chapters has been extended to include incoming and outgoing chapter mappings.</p> 

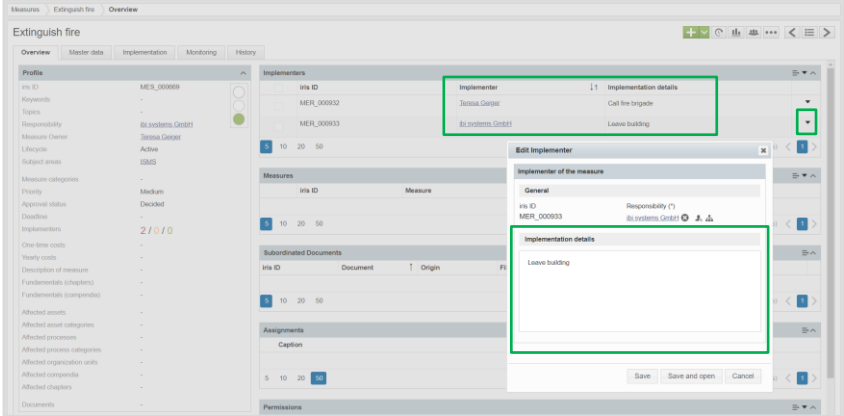
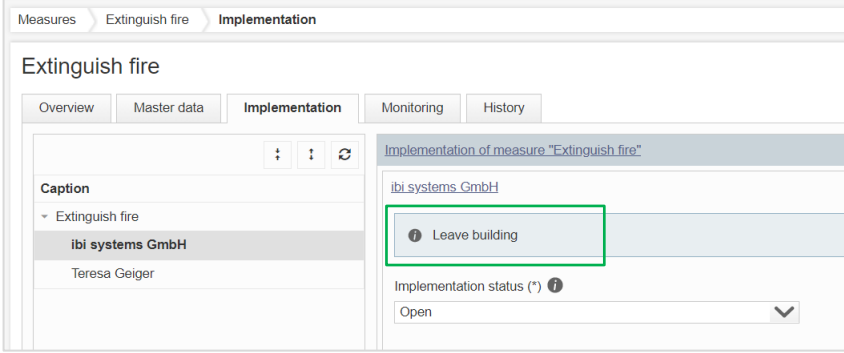
3.5 Risks

Caption	Description
<p>New Button <i>Perform risk analysis</i></p>	<p>For the risks, the risk analysis can now no longer only be performed via the action arrow in the <i>Risk analysis</i> widget, but for better visibility there is now also a green button <i>Perform risk analysis</i> directly on the overview page at the top right.</p> 
<p>Display of the current risk map in the risk profile</p>	<p>With the new release, the current risk map is also displayed in the profile of a risk and no longer only in the widget <i>Classification in risk map</i> on the overview page of a risk. This has the advantage that the current risk map can also be viewed directly in the preview of a mapped risk in other datasets such as measures.</p>  <p>The prerequisite for this is that a current analysis has been performed for the corresponding risk. As in the widget <i>Classification in risk map</i>, a mouseover with information on risk value and class, likelihood of damage and damage impact is possible.</p>

3.6 Findings

Caption	Description
<p>New attribute <i>Comment regarding finding status</i></p>	<p>A new multi-line text field for the comment regarding the status has been added to the findings. This field is located in the master data below the properties and the status attribute.</p> 

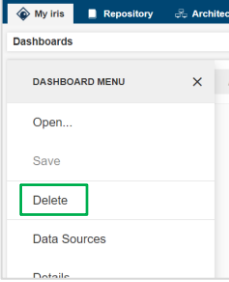
3.7 Measures

Caption	Description
<p>New attribute <i>Implementation details</i> for individual instructions per implementer</p>	<p>With the new release, additional implementation details can now be specified when editing the implementers of a measure. This has the advantage that several different tasks of a measure can be described and assigned to implementers. For example, for the measure <i>Extinguish fire</i>, the two tasks <i>Leave building</i> and <i>Call fire brigade</i> can be assigned to either the same user or different users.</p>  <p>These implementation details are also displayed in the <i>Implementation</i> tab of the measures in accordance with the corresponding implementer entered.</p> 

3.8 Technical adjustments

Caption	Description
Job management (technical) as entry in the admin menu	With the new release, the job administration for the administration of technical background jobs was implemented. However, this is only visible with the corresponding permission (see chapter 1.2). But the permission should only be activated for individual dedicated support users in absolutely exceptional cases. The link to the Hangfire Dashboard that is thereby enabled is only necessary for system administrators in the context of error analysis in the case of support and can impair the functionality of the software to the point of data loss if used improperly.
Update DevExpress to version 22.2	For DevExpress, the update to the latest version 22.2 was carried out.

3.9 Reporting and Dashboarding

Caption	Description
Delete entry in the Dashboard Designer	<p>Dashboards can now be deleted directly in the dashboard menu of the designer and no longer only in the dashboard management due to better findability.</p>  <p>The screenshot shows a software interface with a top navigation bar containing 'My Iris', 'Repository', and 'Architect'. Below this is a 'Dashboards' panel. A 'DASHBOARD MENU' is open, displaying options: 'Open...', 'Save', 'Delete', 'Data Sources', and 'Details'. The 'Delete' option is highlighted with a green rectangular box.</p>
Extension of the reporting data sources	<p>The reporting data sources were extended to include the attributes from the assessment closing, assessment activities and the risk classes (current and target).</p>