

# Visure 8.2

## Release Notes

DATE

DATE \@ "MMMM d, yyyy" February 18, 2025

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## 1 Visure Requirements ALM 8 Release Notes

### 1.1 Compatibility and migration

#### WARNING

Please review this chapter carefully, as there may be database changes that can affect compatibility between versions.

- Visure Requirements 8.2: This version is not compatible with Visure Requirements 8.1. There is a small database schema change and 8.1 clients will not be able to connect to Visure 8.2 server.
- Visure Requirements 8.1: This version is compatible with Visure Requirements 8.0. There is no database schema changes and 8.0 clients can connect to Visure 8.1 server, even though new features will not be available e.g. modified since last baseline.
- Visure Requirements 7.2 and older versions: These versions use an older database schema and require a database migration. Once the database is migrated to the latest version, Visure Requirements 7.2 and older clients will not be able to access the database.

#### IMPORTANT NOTE:

**While in most cases, once the migration is performed, it cannot be undone, in this particular case, the migration may be undone.** However, we highly recommend performing a database backup before upgrading.

For older Visure Requirements databases. The database upgrade process is simple: Install the new Visure Requirements ALM 8.2 Server and Visure Requirements ALM 8.2 Client, and open the database with the Administration Center. The Administration Center will automatically detect that the database was created with an older version and a message will prompt the user to migrate the database to the latest version. Click Yes to proceed with the migration. The process will depend on the version you are migrating from but may take some minutes.

- Visure Templates 5.2 and 5.3: Templates created with an older version of Visure will not be compatible.
- Visure Templates 6 and 7: Templates created with these versions will be compatible
- Visure Requirements ALM 8.2 is compatible with Visure Requirements Report Manager 8.2
- Visure Requirements ALM 8.2 is compatible with Visure Authoring 8.2
- Visure Requirements ALM 8.2 is compatible with Visure Contributor 8.2 (former Visure Reviewer)
- License Server 4.9.10 and License Server 4.9.25 are compatible with Visure Requirements ALM 8.
- Integrations and plugins: Some plugins and integration from version 7 are incompatible with version 8.2. The following plugins and integrations are available for version 8.2:
  - Integrations:
    - Compatible with v7, but newer versions available:
      - Visure Requirements integration with Atlassian JIRA
      - Visure Requirements integration with Azure DevOps
      - Visure Requirements integration with Enterprise Architect
      - Visure Requirements integration with Gitlab
  - Add-ins:





- Version 7 of these add-ins are incompatible with v8
  - MS Word Import plugin
  - MS Excel Import plugin
- Plugins and products:
  - Version 7 of these plugins are incompatible with v8 (newer version required):
    - Item Templates (free)
    - XRI (free)
    - Source Code Parser (free)
  - Version 7 of these plugins are compatible with v8:
    - QVScribe (product)
    - ReqIF (product)
    - Traceability Parser (free)
    - Test Management (free) – Newer version available
    - Risk Management (free)
    - Review Management (free) – Newer version available
    - Formulae (free)

## 2 What's New in Visure 8.2

### 2.1 Visure Authoring

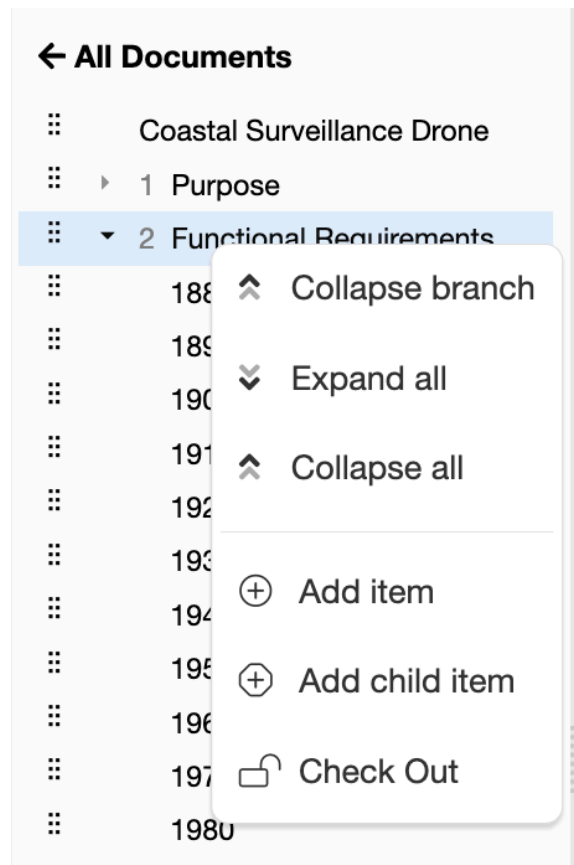
#### 2.1.1 Usability improvements

Visure 8.2 brings a whole plethora of UI and usability improvements, from streamlined interfaces to better icon placements to make the experience of Visure more pleasant to the end user.

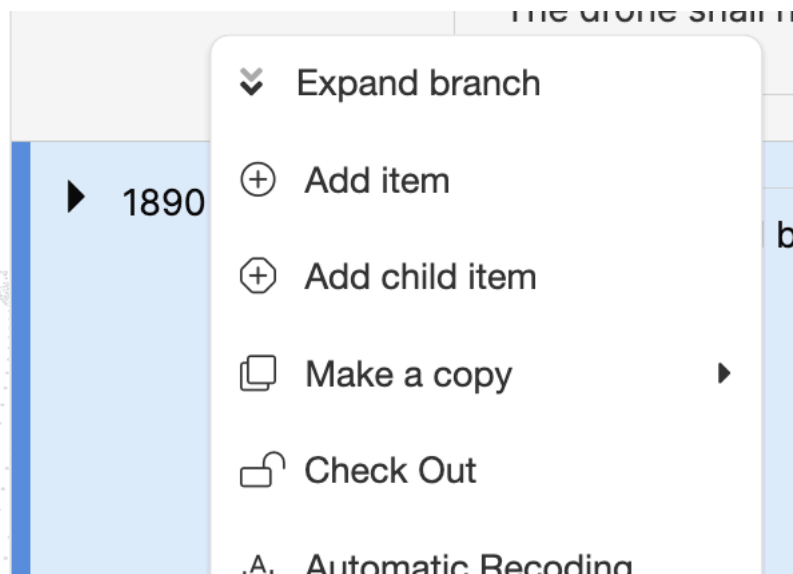
##### 2.1.1.1 *Expanding and collapsing hierarchies*

Visure 8.2 allows users to expand and collapse entire item hierarchy trees and branches from the document browser and document navigation panel, making the navigation through the documents easier.





The traceability tree view also incorporates the option to expand the tree to display all the links of a given item:



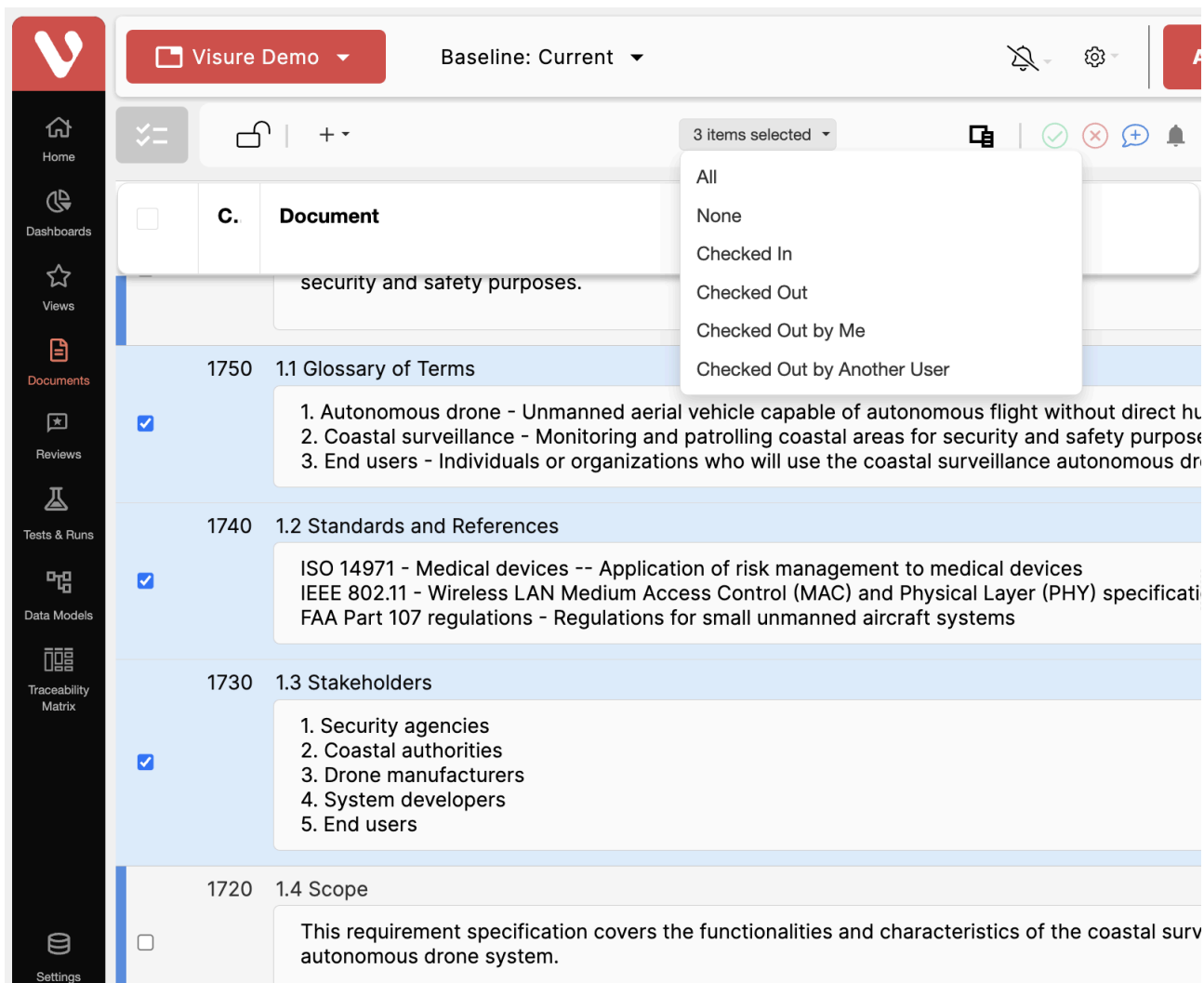
## 2.1.1.2 Scrolling

Scrolling in Visure 8.2 is done asynchronously, so that the loading of items feels smoother and quicker.

## 2.1.1.3 Multiselection

Users can now perform actions in bulk in a more effective way by selecting multiple items in a quick way through the selection combo box in the toolbar, or directly from the check boxes.

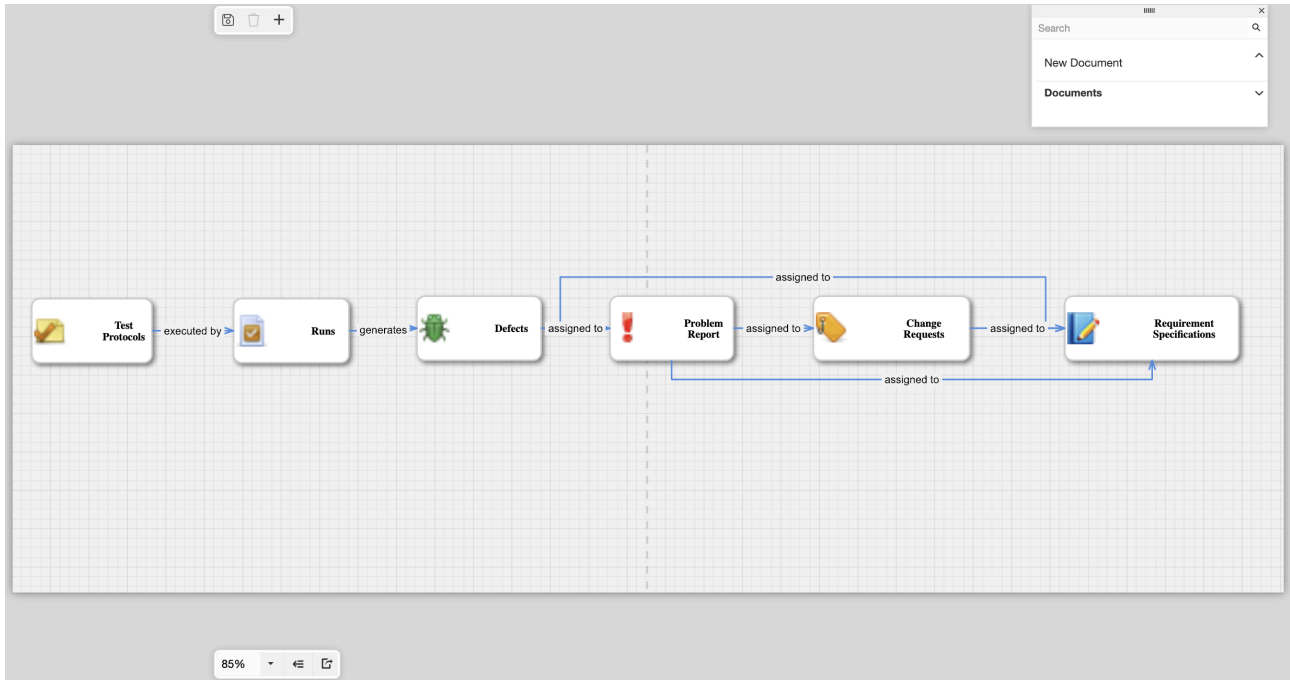




These checkboxes are available both in the list and document view and allow users to quick select all or none of the items in the document.

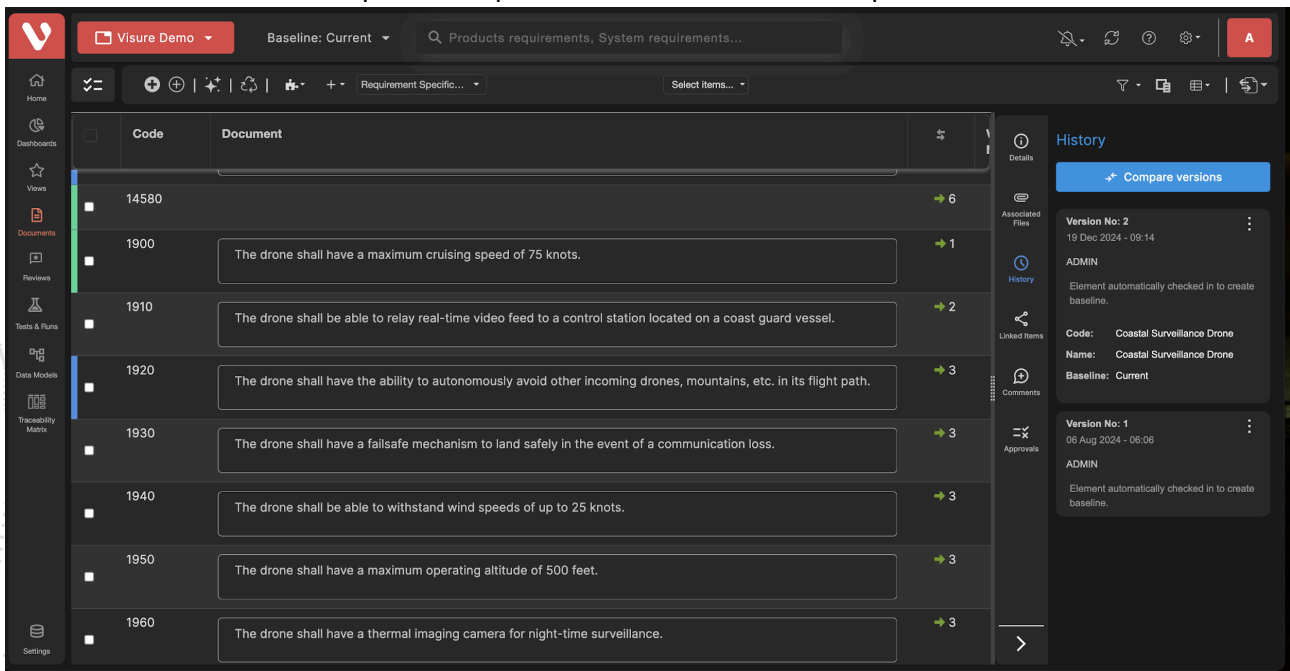
## 2.1.1.4 Data Models

It's now easier to create and edit data models. The new automatic link reorganization takes care of link positioning in the diagram, whereas the new "save" button allows for a smoother diagram editing experience.



## 2.1.1.5 Dark Mode

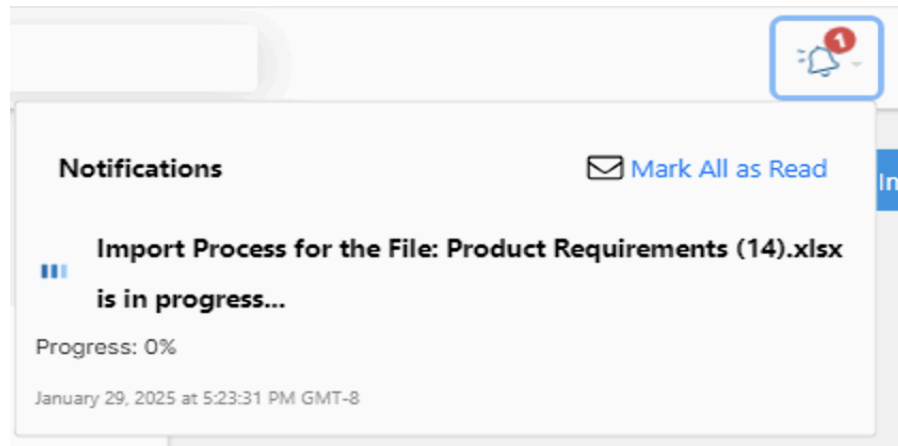
The dark mode has been improved to provide a more immersive experience:



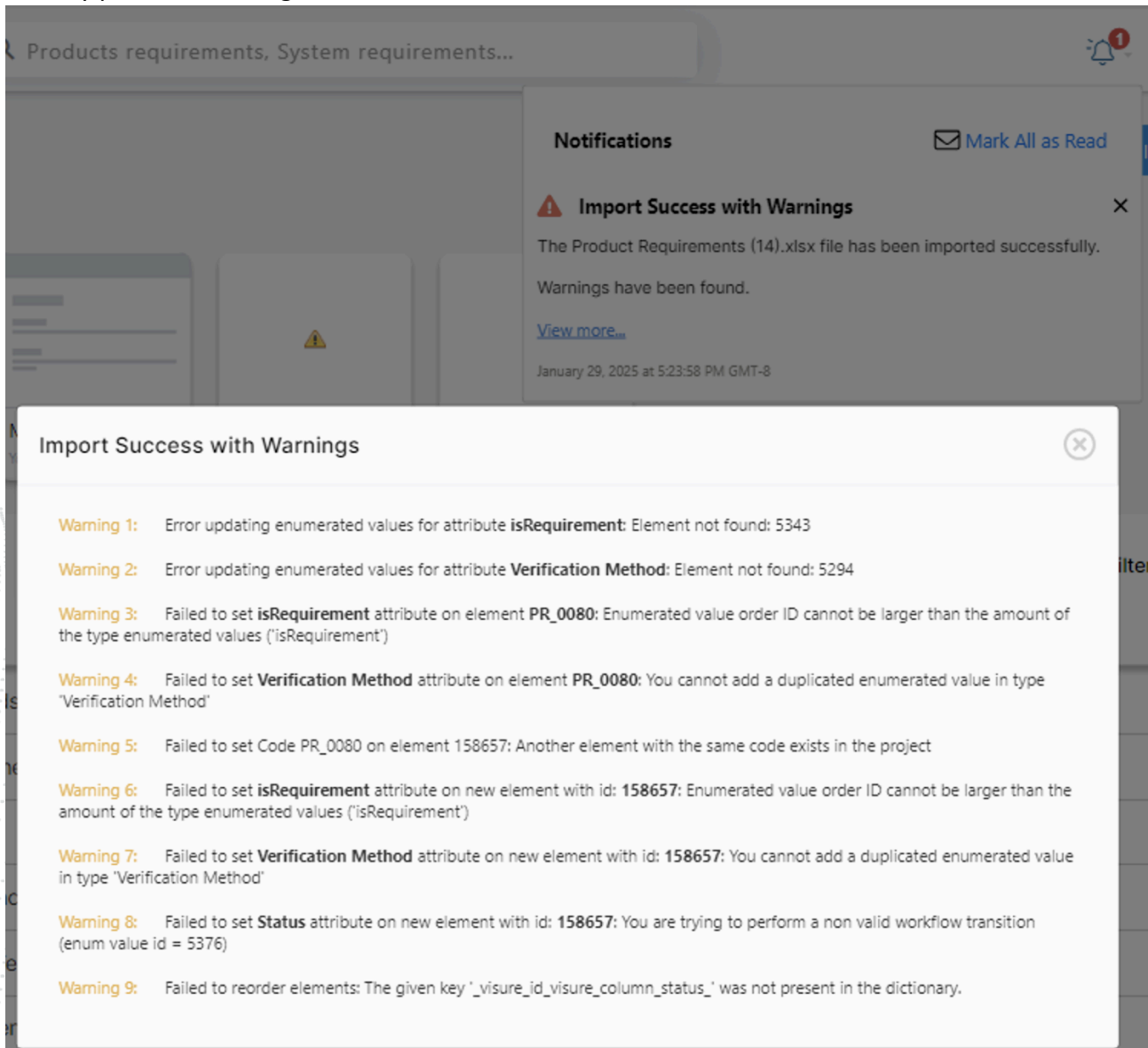
## 2.1.1.6 Background Actions and In-App Notifications

Actions expected to take more than several seconds such as import, project creation and review and test run creation, are now performed in the background, allowing the user to continue working while the original action is completed. The progress of these tasks can be checked in the notification center:



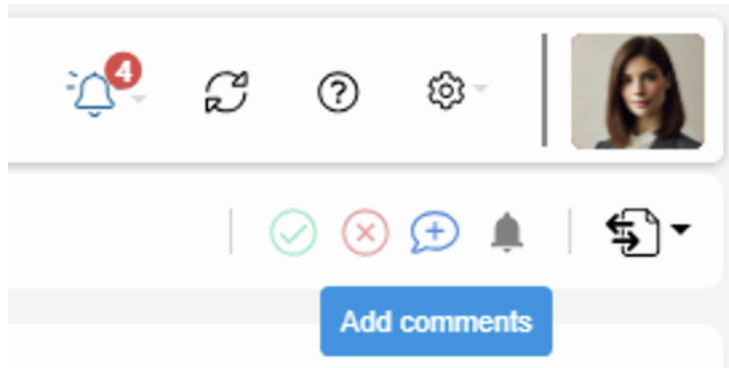


Once the task is complete, users will receive a completion notification with the status of the action and any possible warnings:



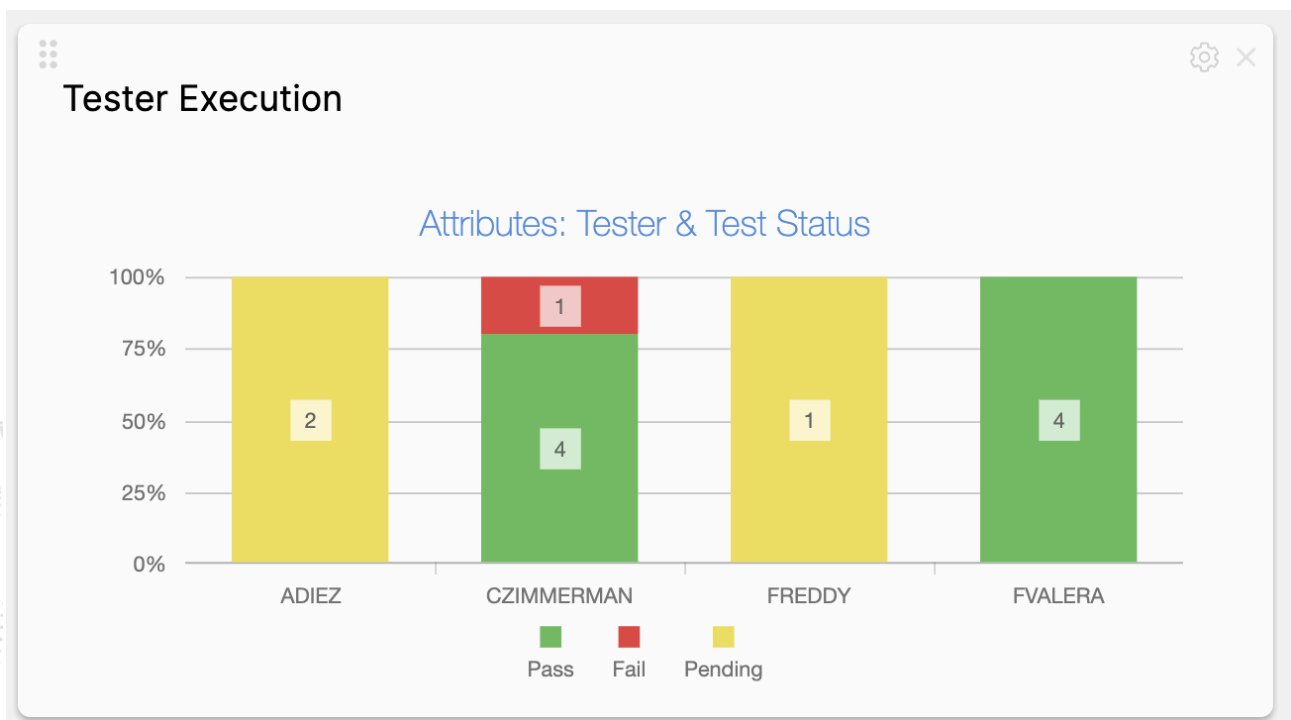
## 2.1.1.7 Comments

It's now possible to enter the same comment over multiple requirements at once, facilitating reviews and approvals. Users can simply select multiple items and click on the Add comment button



## 2.1.1.8 Dashboard widgets

New widget configurations allow stacked bar widget to display absolute numbers or percentages, allowing users to have a clearer picture of the status of the project.



## 2.1.2 Excel and Google Sheets import

Spreadsheets is one of the most common formats to edit and exchange requirement, test and risk information. Visure 8.2 now supports the import of MS Excel files and Google sheets. The import process provides a powerful interface to map columns on-the-fly and create new attributes. The import process will automatically detect items that are already in Visure and highlight the changes so that the user can perform a more information decision on which items to import. The import process also supports the synchronization of links.

This powerful import process allows users to perform round-trip operations, by exporting requirement information, editing it offline and reimporting it back.

Import from Excel

3/3 - Import items  
Select the items you want to import or update and click on Start Import.

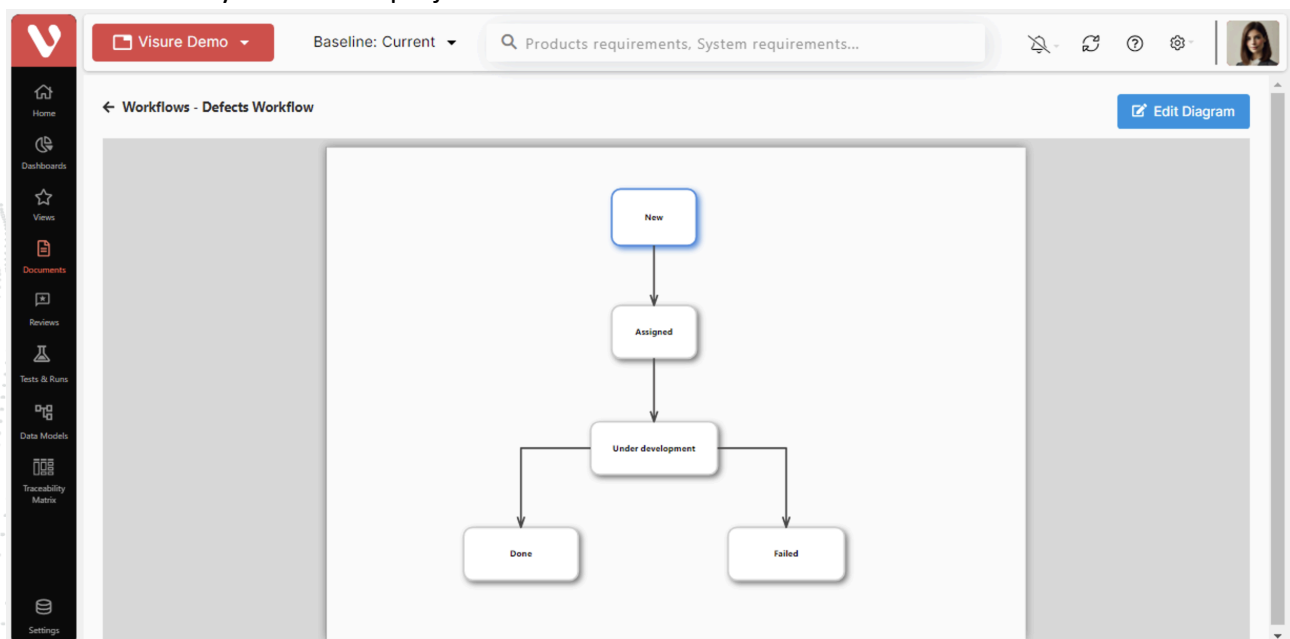
Back Start Import

	Status	Status Indicator	Code	Name	Description	isRequirement	Effort
		-- Ignore Column --	Code	Name	Description	isRequirement	-- Create New Attrib... Attribute type Text <input type="checkbox"/> Multivalued
<input checked="" type="checkbox"/>	Modified	Checked-in	PR_0300		The system shall not weight more than 6 kg	Item	5
<input checked="" type="checkbox"/>	Modified	Checked-in	PR_0080		The equipment shall be used in Hospitals in North America, including US, Canada and Mexico	Requirement	2
<input checked="" type="checkbox"/>	New	Checked-in	PR_0080		The equipment shall be compliant with local standards	Requirement	2
<input checked="" type="checkbox"/>	Modified	Checked-in	PR_0090		The equipment shall be capable of being calibrated by a technician with a maximum of 10 hours of training.	Item	5
<input checked="" type="checkbox"/>	Modified	Checked-in	PR_1550	Doğruluk Çözünürlük		Item	6

1 2

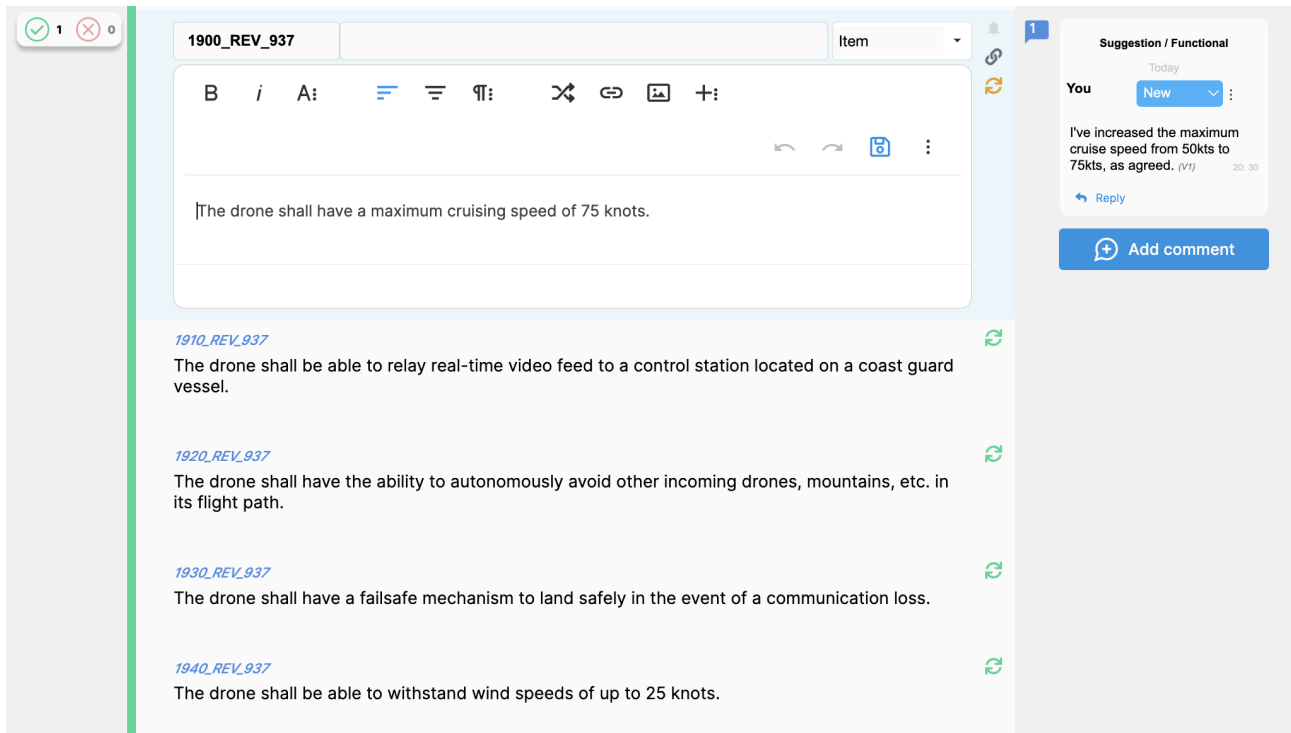
## 2.1.3 Workflows

Workflows are an essential part of the requirements, risk and test management process, as they allow defining the status of the different types of objects, and who can perform the transitions between them. Visure 8.2 supports a native workflow capability, allowing the creation of workflows for any item in the project



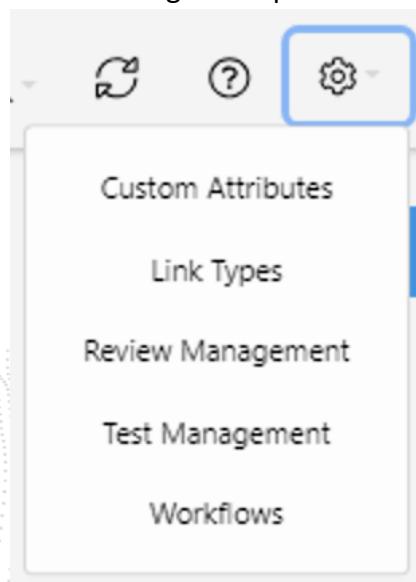
## 2.1.4 Review synchronization

Reviews help engineers establish a formal review and approval process, identifying who needs to review which requirements or documents. The existing review process is now completed with a new synchronization capability that allows users identify review items that have been modified since the review was created and synchronize the changes back to the original document.



## 2.1.5 Project configurations

Project Managers have all configurations of the project available directly from the project configuration window, where they will be able to create new attributes, workflows and link types, as well as configure the review and test management process:



## 2.1.6 New Email Notifications

As part of the existing email notifications, Visure 8.2 now incorporates a new one that allows project administrators and other users to receive an update when a user signs a baseline, or when the baseline has been fully signed.



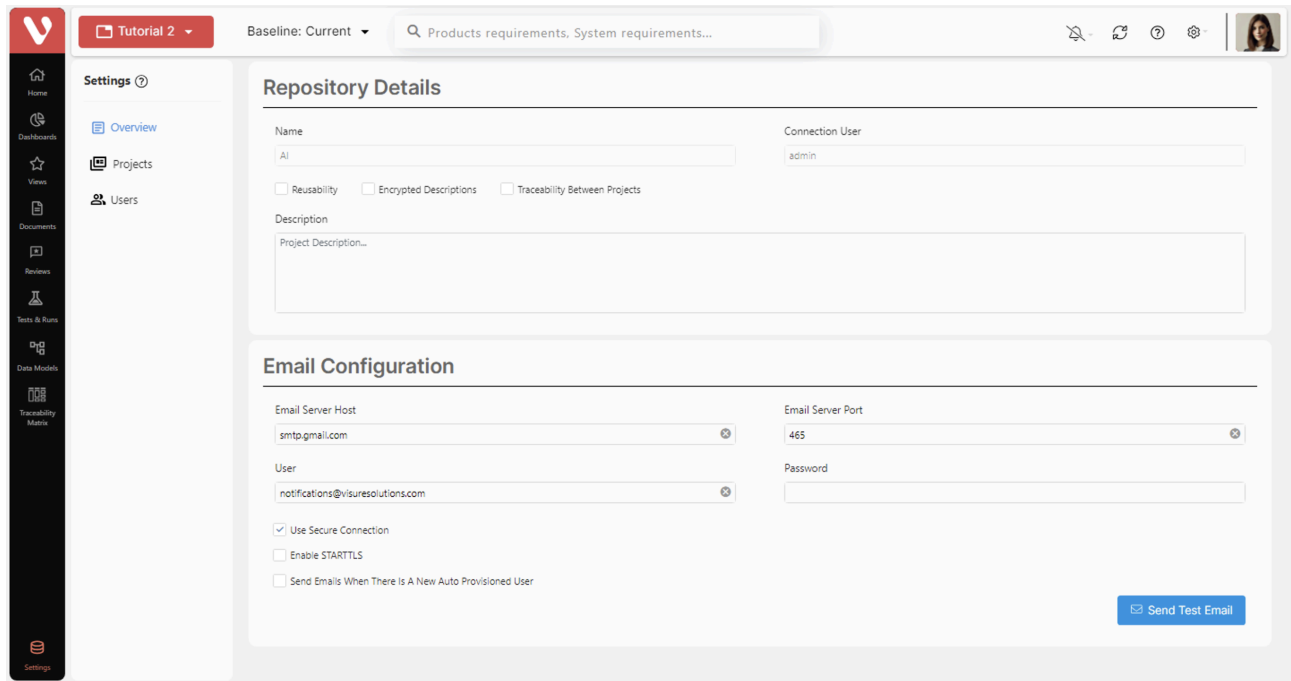
## 2.1.7 Repository and project settings

Visure 8.2 incorporates a major step in taking control of the repository and project, by allowing the ADMIN user, Super Administrators and Project Administrators to access and edit the repository and projects settings.

These settings, include:

### 2.1.7.1 Repository settings

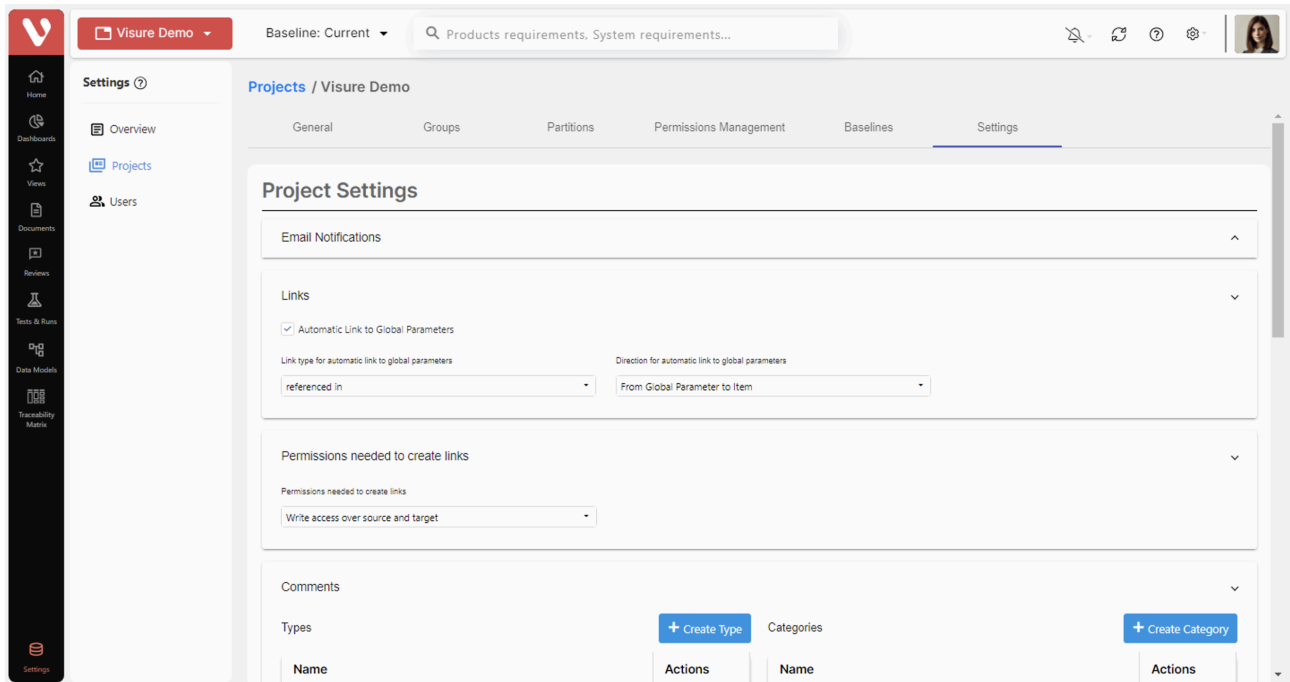
The repository settings allow editing all repository configurations such as enabling reusability or traceability between projects, as well as configure the email for the email notifications.



### 2.1.7.2 Project management

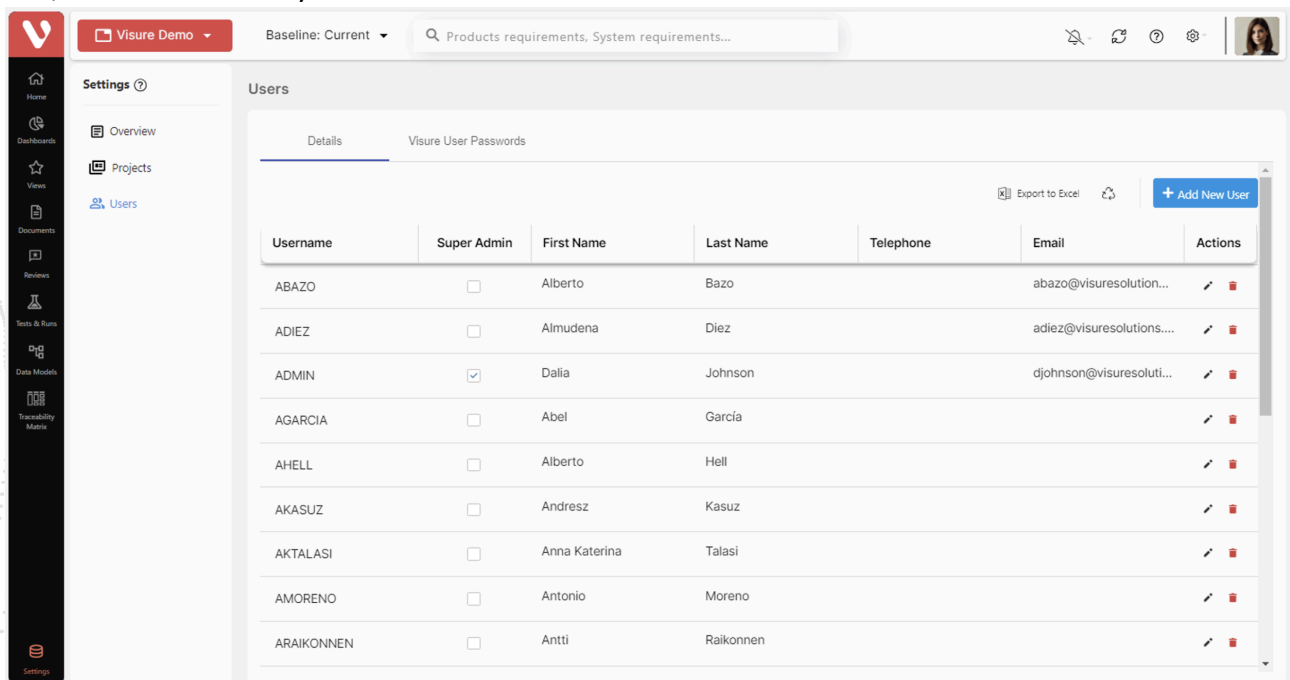
The project management section allows administrators create, edit, delete, destroy and purge projects, as well as manage project templates.

Within the project editing, administrators will be able to manage the details of the project (code, name, description, scope, etc.) as well as user groups, access partitions and access rights. Administrators will also be able to change the project settings.



### 2.1.7.3 User management

The user management section allows administrators to create (Visure, Azure, Windows, ODIC), edit, delete and destroy users.



## 2.2 Visure Desktop

### 2.2.1 Usability improvements

#### 2.2.1.1 Export to Excel

The export to Excel incorporates several usability improvements such as color export and more appropriate column widths.



**2.2.1.2 Horizontal scrolling in the list view**

Horizontal scrolling has been improved to prevent undesired reloading of the height of items, especially when working with text attributes containing many characters.

**2.2.1.3 Smart sorting of text columns**

When text columns include a combination of text and numbers, the sorting has been improved to reflect a more intuitive sorting as a combination of text and number sorting.

In this way, PR\_10, PR\_20, PR\_30, PR\_100 and PR\_200 will be sorted as:

PR\_10  
PR\_20  
PR\_30  
PR\_100  
PR\_200

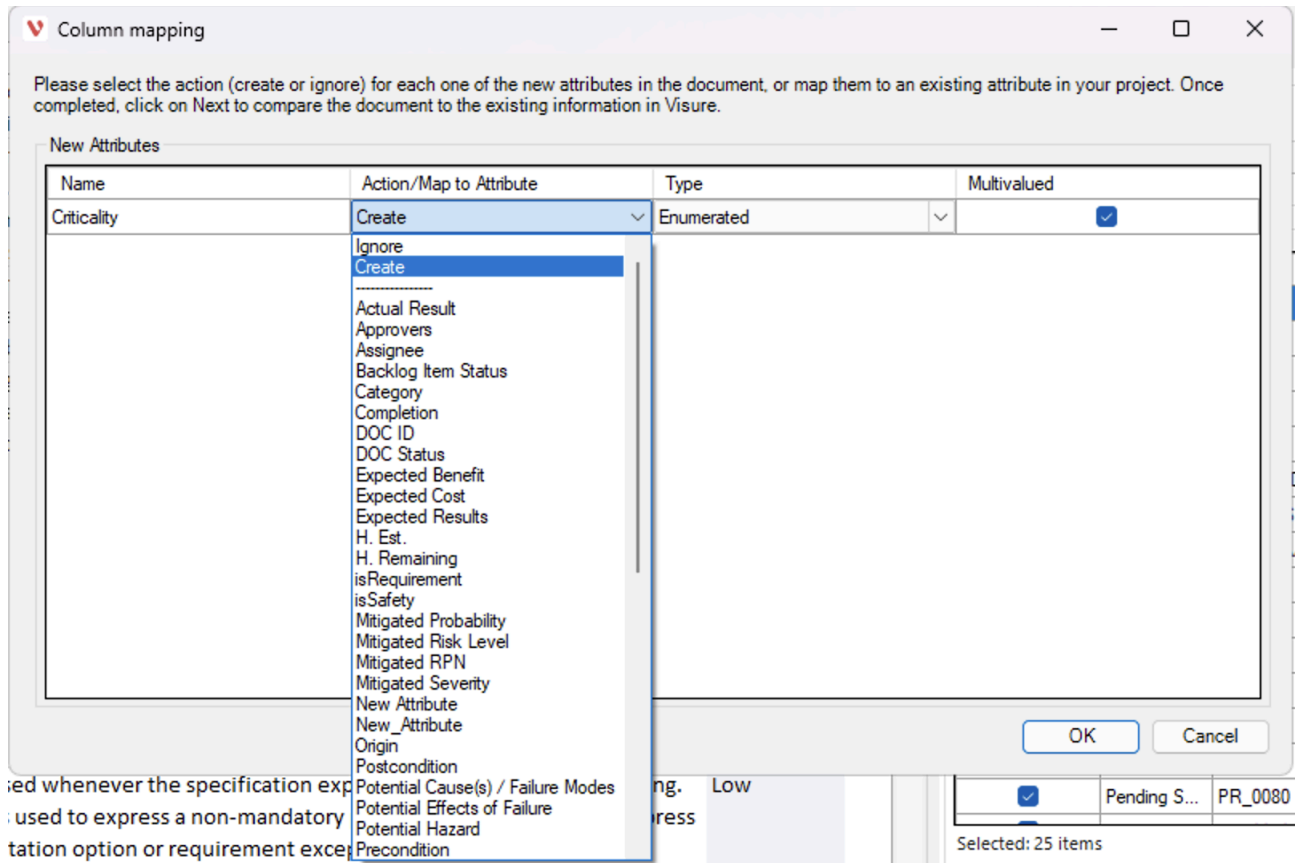
Whereas a pure alphabetical sorting would sort these items as:

PR\_10  
PR\_100  
PR\_20  
PR\_200  
PR\_30

**2.2.2 Import from Excel**

The import from MS Excel plugin now features many of the same improvements implemented in Visure Authoring, in which attributes can be created and updated during the import process, without having to go back to the Visure client.



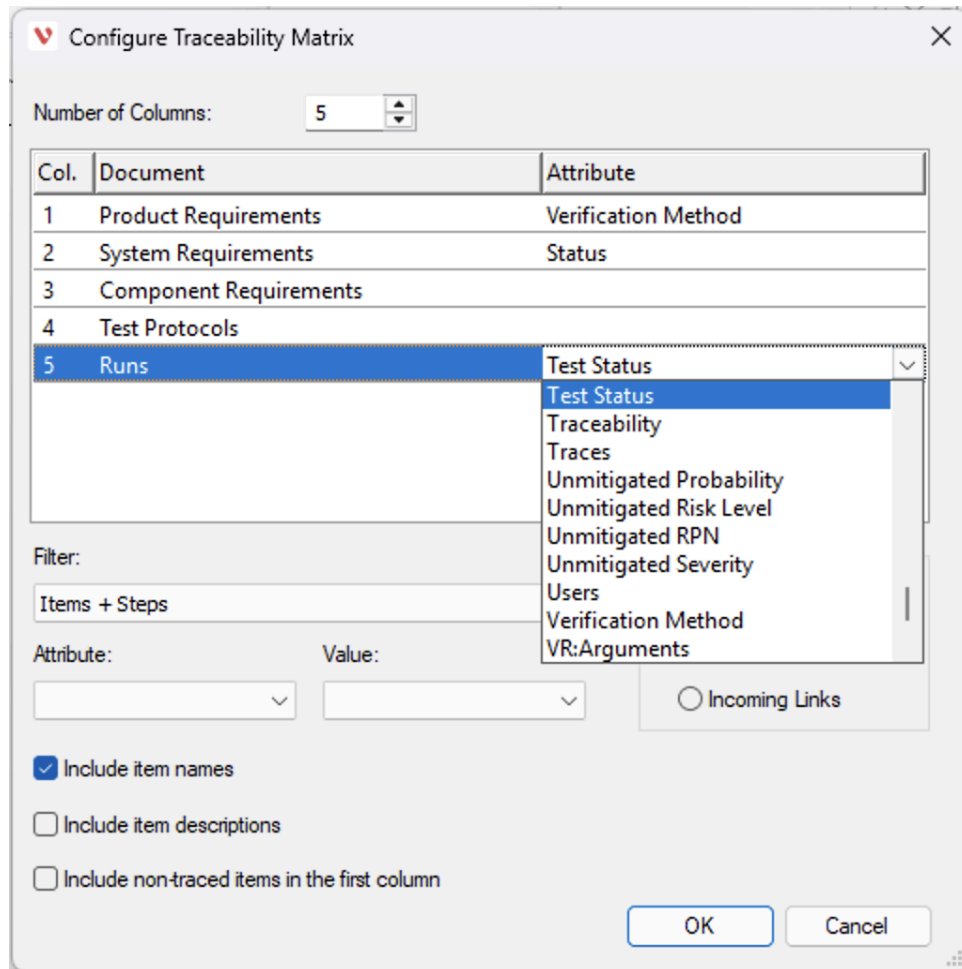


Along with the synchronization of existing and new attributes, the MS Excel plugin in Visure 8.2 allows the full synchronization of traceability by checking the “Overwrite existing links”. This option will not only create new links but delete links that may have been removed in the Excel spreadsheet, supporting a full round-trip to Excel for links.

## 2.2.2.1 Attributes in Traceability Matrix

The traceability matrix in Visure 8.2 now supports the selection of attributes in each column, so that users can, not only display all the links, but also related information in each column, like the type of requirement or execution status.





## 2.2.2.2 Performance

Organizations need to support the demands of fast-paced markets with ever growing amounts of data. Visure 8.2 improves the performance of specific areas related to:

- Reorganization of documents and folders
- Check out items in bulk
- Establishment of Global Parameters
- Creation and reuse of components
- Establishment of links via right-click Start/set
- Sorting columns with links
- Restore deleted items dialog window

## 2.2.2.3 New Email Notifications

As part of the existing email notifications, Visure 8.2 now incorporates a new one that allows project administrators and other users to receive an update when a user signs a baseline, or when the baseline has been fully signed.



## 2.3 Visure Server

### 2.3.1 Python update to 3.10

The Python version used by the server to run scripts has been updated from version 3.8 to 3.10. This means that some scripts may need to be upgraded to align to the packages provided or deprecated in this version.

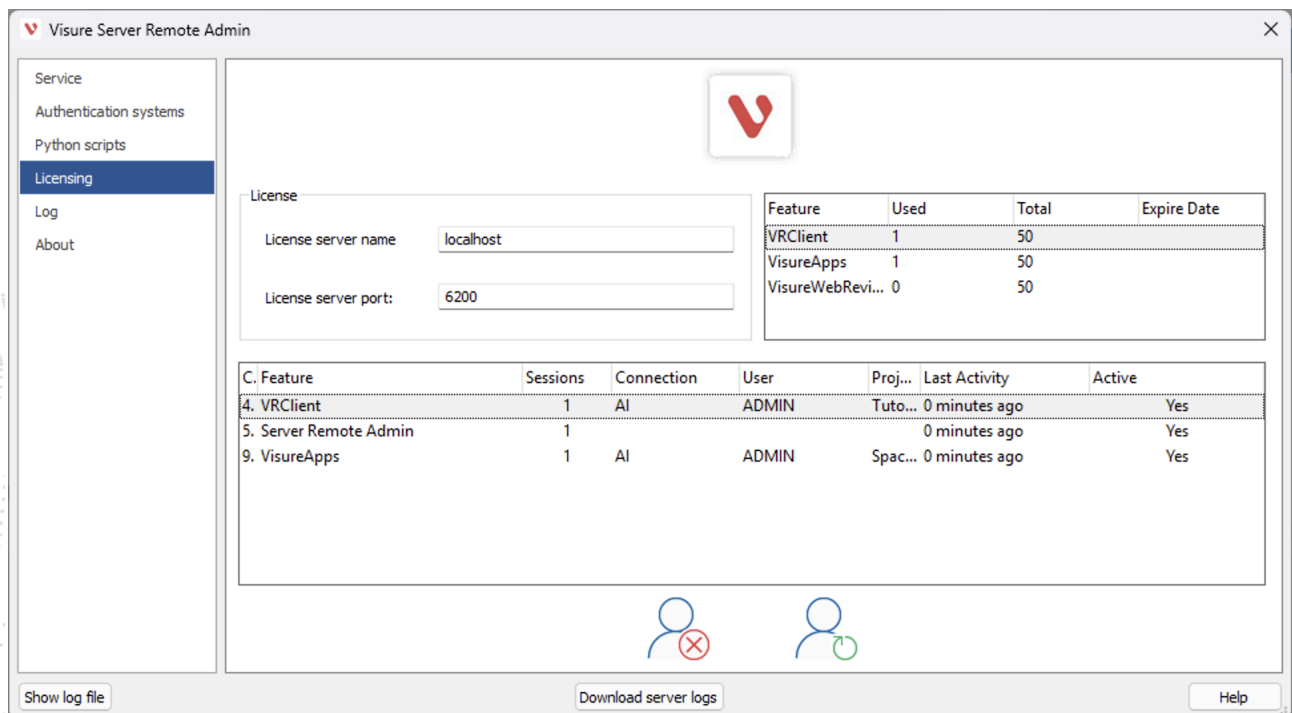
### 2.3.2 Remote Server Settings

The Remote Server Settings application allows remote users to configure certain aspects of the server such as the authentication methods used (Visure, Azure Entra ID, OIDC or Windows), select the log types or upload Python scripts.

The Licensing configuration of the Remote Server Settings allows users to have a better insight of the license usage.

Administrators will be able to see the existing number of licenses, their expiration dates and the number of licenses in use.

Administrators can also get more detail on the users using the licenses, in which repositories and projects, and whether they are active or not:



**License Configuration:**

License server name:

License server port:

Feature	Used	Total	Expire Date
VRClient	1	50	
VisureApps	1	50	
VisureWebRevi...	0	50	

C. Feature	Sessions	Connection	User	Proj...	Last Activity	Active
4. VRClient	1	AI	ADMIN	Tuto...	0 minutes ago	Yes
5. Server Remote Admin	1				0 minutes ago	Yes
9. VisureApps	1	AI	ADMIN	Spac...	0 minutes ago	Yes

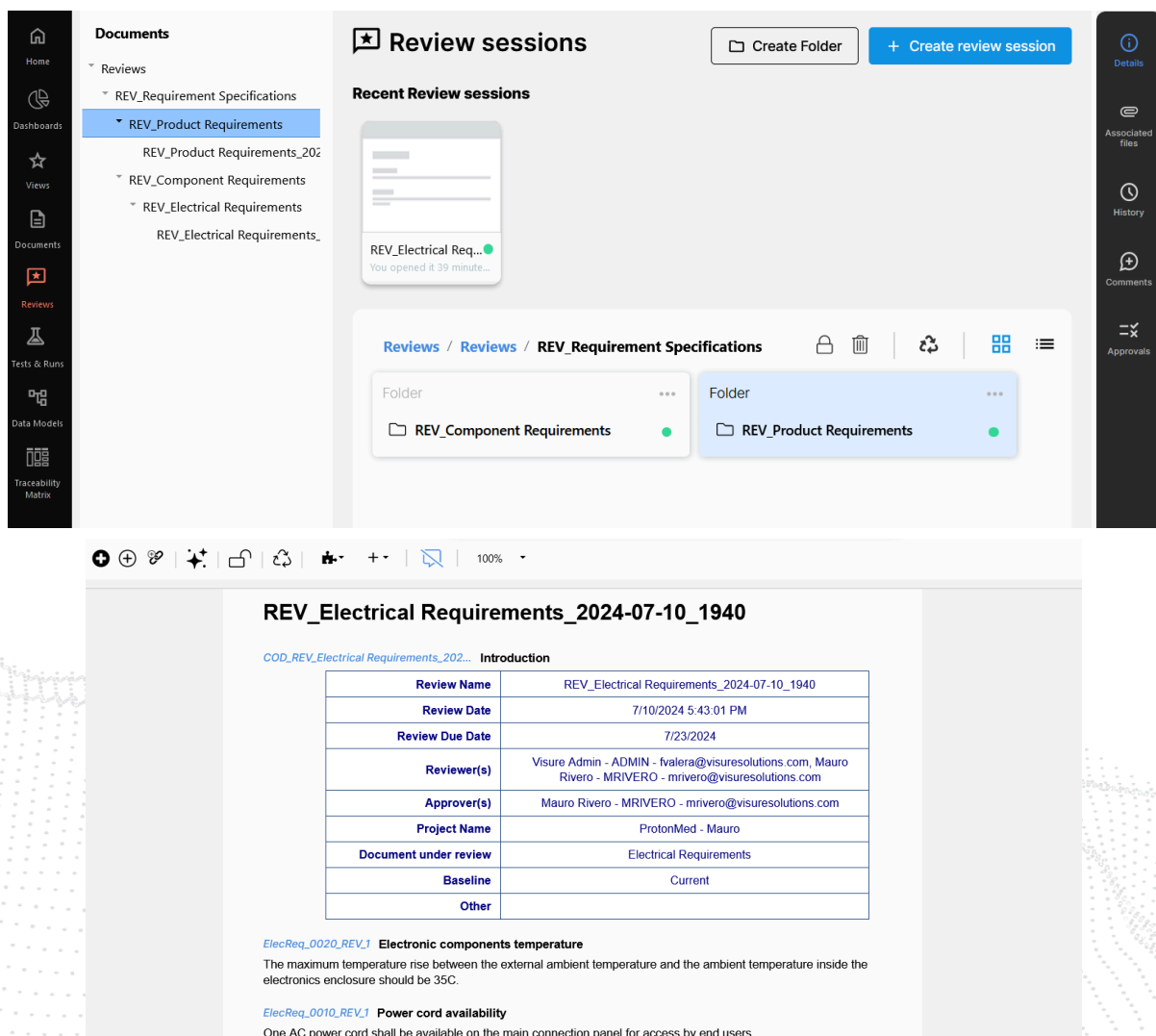
At the bottom of the interface, there are two user icons: one with a red 'X' (inactive) and one with a green checkmark (active). Buttons for 'Show log file', 'Download server logs', and 'Help' are located at the bottom right.

## 3 What's New in Visure 8.1

### 3.1 Visure Authoring

#### 3.1.1 Review Management

The Review Management feature, previously available on the desktop, is now accessible via Visure Authoring, making it easier and more accessible for end users. Using Review sessions, members of the team come together to evaluate and discuss the requirements of a project, ensuring clarity, completeness, and alignment of the requirements with project objectives. This feature has also been restructured for improved usability. When a new review is created, a folder structure that mirrors the reviewed document is automatically generated. This facilitates classification and organization, especially when dealing with numerous reviews.



**Documents**

- Reviews
  - REV\_Requirement Specifications
    - REV\_Product Requirements
      - REV\_Product Requirements\_202...
    - REV\_Component Requirements
      - REV\_Electrical Requirements
        - REV\_Electrical Requirements\_...

**Review sessions**

Recent Review sessions

REV\_Electrical Req...  
You opened it 39 minute...

Reviews / Reviews / REV\_Requirement Specifications

Folder REV\_Component Requirements

Folder REV\_Product Requirements

**REV\_Electrical Requirements\_2024-07-10\_1940**

COD\_REV\_Electrical Requirements\_202... Introduction

Review Name	REV_Electrical Requirements_2024-07-10_1940
Review Date	7/10/2024 5:43:01 PM
Review Due Date	7/23/2024
Reviewer(s)	Visure Admin - ADMIN - fvalera@visuresolutions.com, Mauro Rivero - MRIVERO - mrivero@visuresolutions.com
Approver(s)	Mauro Rivero - MRIVERO - mrivero@visuresolutions.com
Project Name	ProtonMed - Mauro
Document under review	Electrical Requirements
Baseline	Current
Other	

**ElecReq\_0020\_REV.1 Electronic components temperature**  
The maximum temperature rise between the external ambient temperature and the ambient temperature inside the electronics enclosure should be 35C.

**ElecReq\_0010\_REV.1 Power cord availability**  
One AC power cord shall be available on the main connection panel for access by end users.

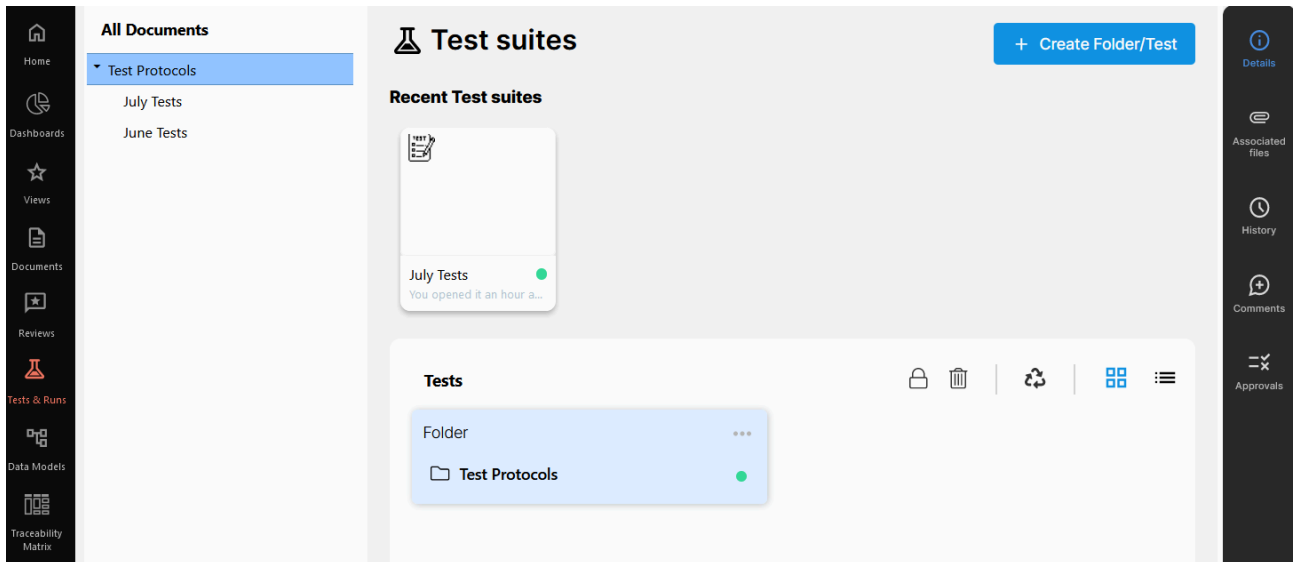
#### 3.1.2 Test Management

##### 3.1.2.1 Test Suites and Protocols

This section functions similarly to document management but distinguishes between document types such as requirements, defects, tasks, and testing protocols and procedures. The combination

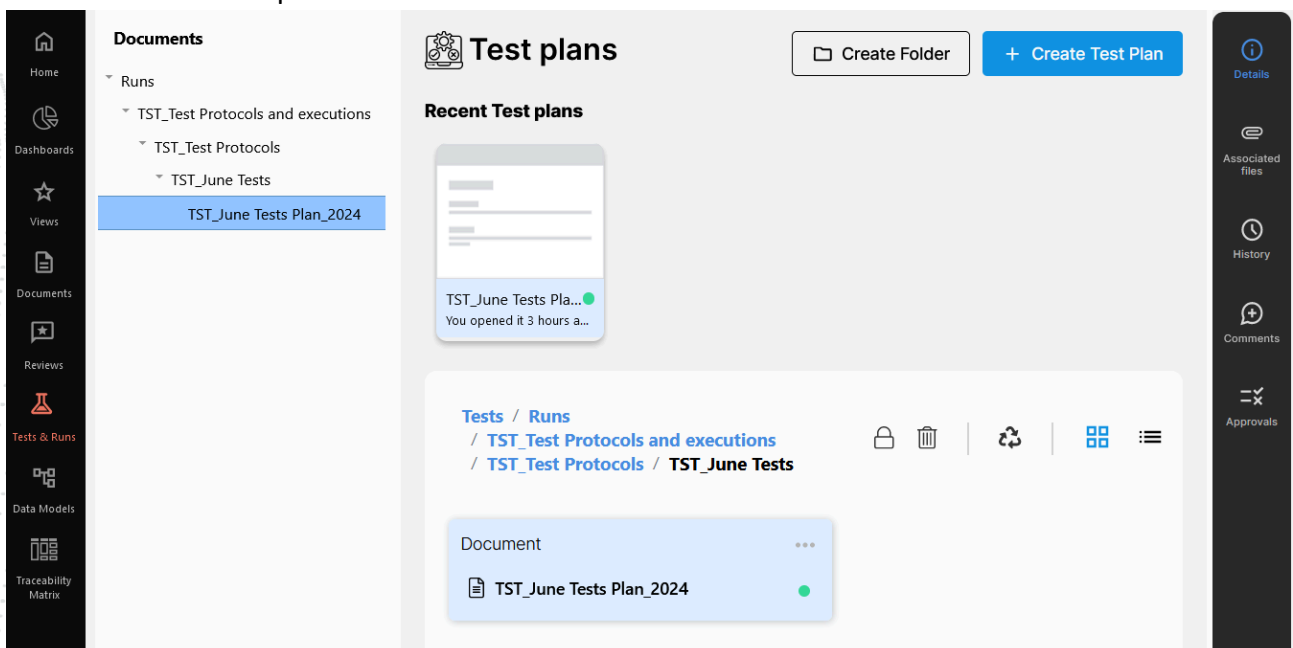


of protocols and procedures forms a test suite which streamlines the management and differentiation of testing documents. Tests suites group all test protocols and procedures, providing a dedicated workspace for testers, allowing them to concentrate more effectively on their tasks.



### 3.1.2.2 Test Plans and Executions

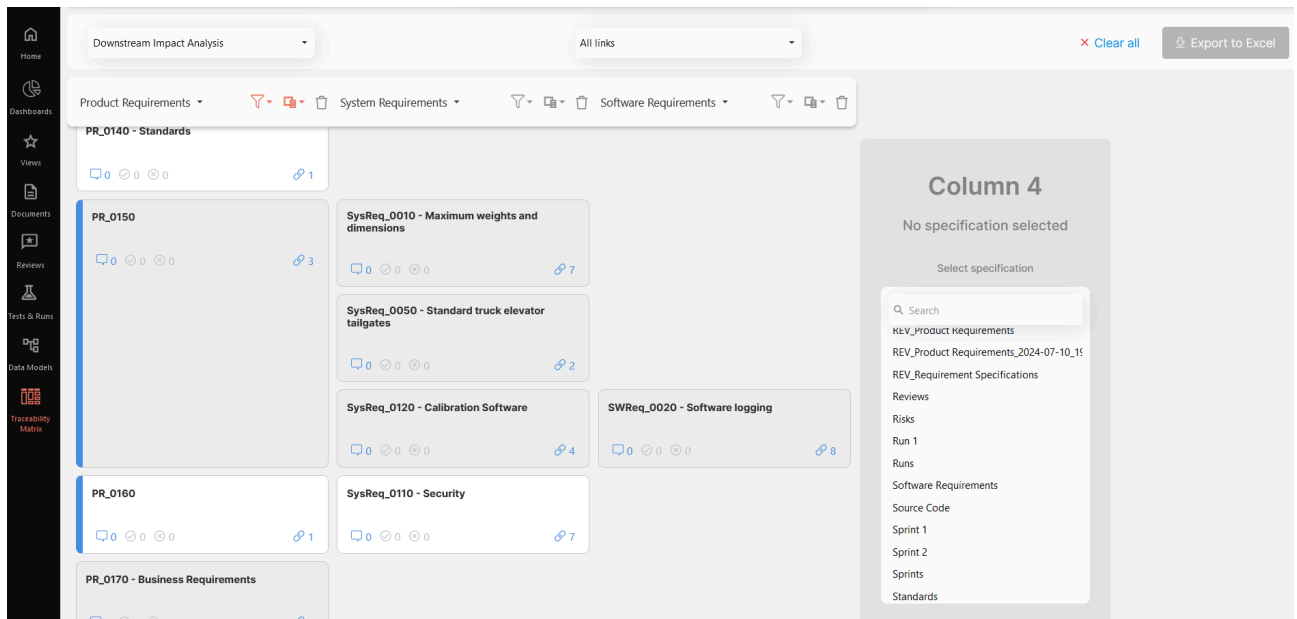
Test Plans and Executions are now accessible on Visure Authoring, enhancing ease of use and accessibility for end users. Test Plans contains the full list of test protocols and procedures that the users have selected to execute, presented in a more structured format. The history of all executions will be saved and easily accessible. When an execution is generated, a folder structure is automatically created to reflect the reviewed test protocol, facilitating the organization and classification of multiple executions.





## 3.1.3 Traceability Matrix

The new Traceability Matrix feature offers the ability to generate matrix with attributes and filters in each column to meet various documentation needs. This includes creating any type of traceability matrix, such as Requirements Verification Traceability Matrix (RVTMs), providing customizable matrices for precise documentation needs. The export functionality allows for easy sharing and distribution of matrix to clients. Additionally, saving options enable all users to access the same list of matrices, ensuring consistent and standardized matrix management across teams.

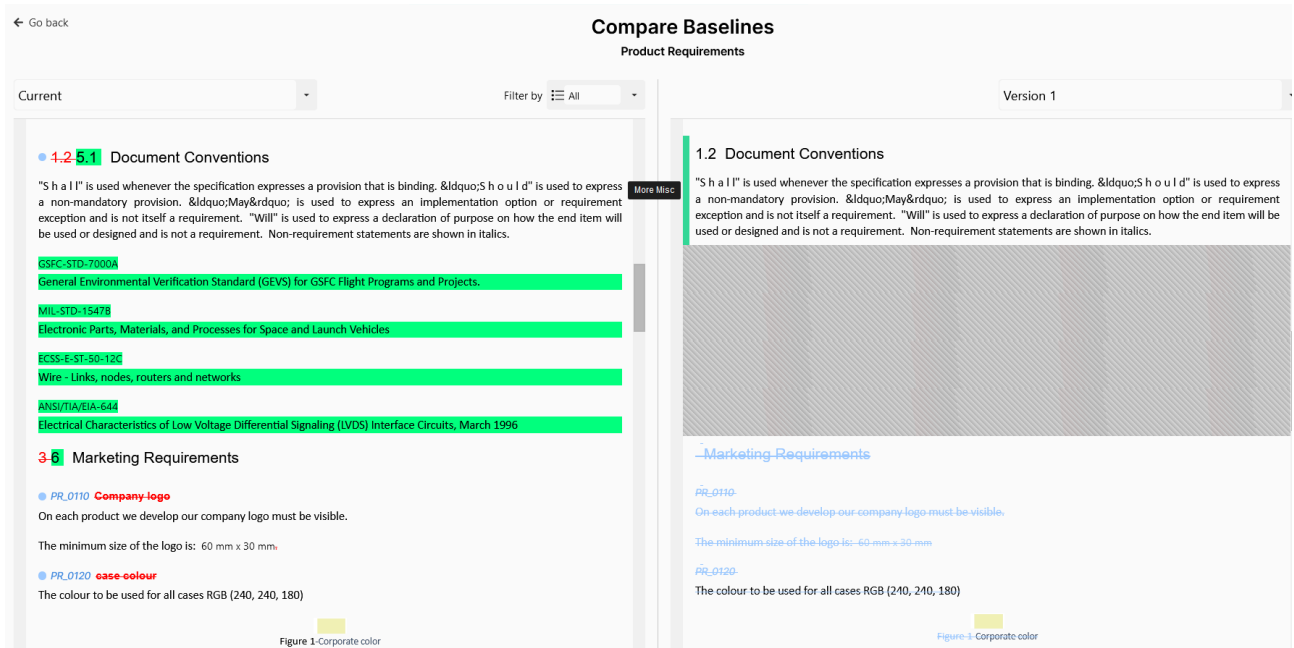


## 3.1.4 Baseline Management

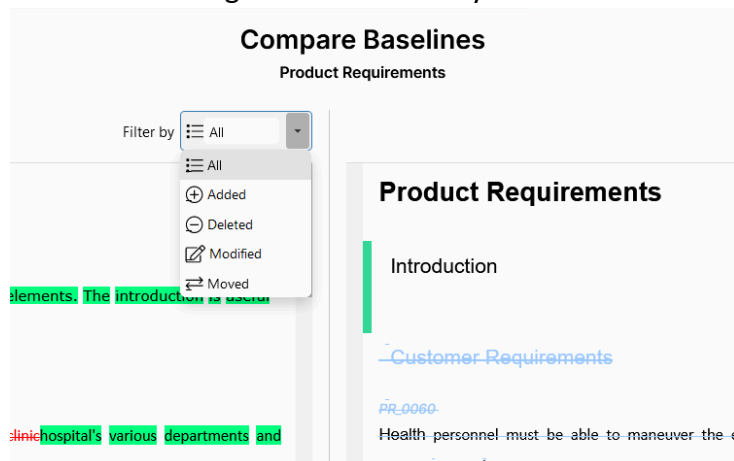
Baseline Management has seen significant improvements in this version, allowing for comprehensive management.

## 3.1.5 Baseline comparison

One of the key enhancements is the ability to generate redlined comparisons of two documents directly within Visure, showing differences between attributes as well. This eliminates the need to export to Word for comparisons, streamlining document comparison and highlighting changes efficiently.



It is now possible to filter modified or added items, as well as deleted and moved. This flexibility allows users to focus on relevant changes more effectively.



### 3.1.6 Baseline creation

Users can now create partial and complete baselines, enabling the generation of versions for documents, document sets, or entire projects, with the benefits of baseline management. Additionally, when creating a baseline, users can easily select approvers, simplifying the approval process and ensuring timely reviews. This flexibility enhances version and approvers control.

New Baseline

1 Baseline details
2 Documents
3 Electronic signature

Name \*

Release 3.0

Description

Version 3.0 will be released on September 2024. All approvers should review and approve until the end of August.

☒ Partial baseline

Cancel

Next

New Baseline

1 Baseline details
2 Documents
3 Electronic signature

Select users that will sign the baseline
☐ Select All

Search filter

Joe Sanders

Sarah Bennett

☐
☐

Back

Create

### 3.1.7 Baseline signature and list

The complete list of baselines can be viewed, filtered, and the signature status of each can be seen immediately. This feature enhances collaboration by allowing users to activate the baseline and go directly to the signature process with a simple click on "Need to Sign!". Simplifies baseline tracking and signature processes.



Tutorial

Baseline: Current

Products requirements, System requirements...

Refresh

Baselines

Search filter

Create Baseline

Automatic Number	Name	Description	Signature	Author	Partial	Created	Actions
122	Current		<div>Signature not required</div> 0/0	Dalia Jonhs...		2024-06-26T01:38:...	
104	ProductRequiremen...		<div>Signature not required</div> 0/0	Dalia Jonhs...		2024-06-18T00:28:...	
90	Version 1		<div>Need to Sign!</div> 1/4	Dalia Jonhs...		2024-06-06T20:20:...	
91	Version 2	This is the final vers...	<div>Signed</div> 2/5	Dalia Jonhs...		2024-06-17T23:22:...	
102	Version 3		<div>Need to Sign!</div> 0/4	Dalia Jonhs...		2024-06-26T01:38:...	

50100All

Page 1 of 1 (5 items)

During the approval process, some users may need to interact with each other to discuss specific aspects of the project or provide clarification on certain points. To facilitate this collaboration, we have added a new feature that allows approvers to view all comments made by their peers during the approval process, just hovering over the signature progress bar.

Electronic Signatures

Dalia Jonhson

Approved

Good job, team! We made it.

Fernando Valera

Conditional Approval

I see that everything is there, but we need to attach the additional documents along with the baseline documents.

DS

Diana Suzan

Not Signed

AD

Almudena Diez

Not Signed

Description

This is the final vers...

Signed

2/5

Dalia Jonhs...

### 3.1.8 Modified since last baseline

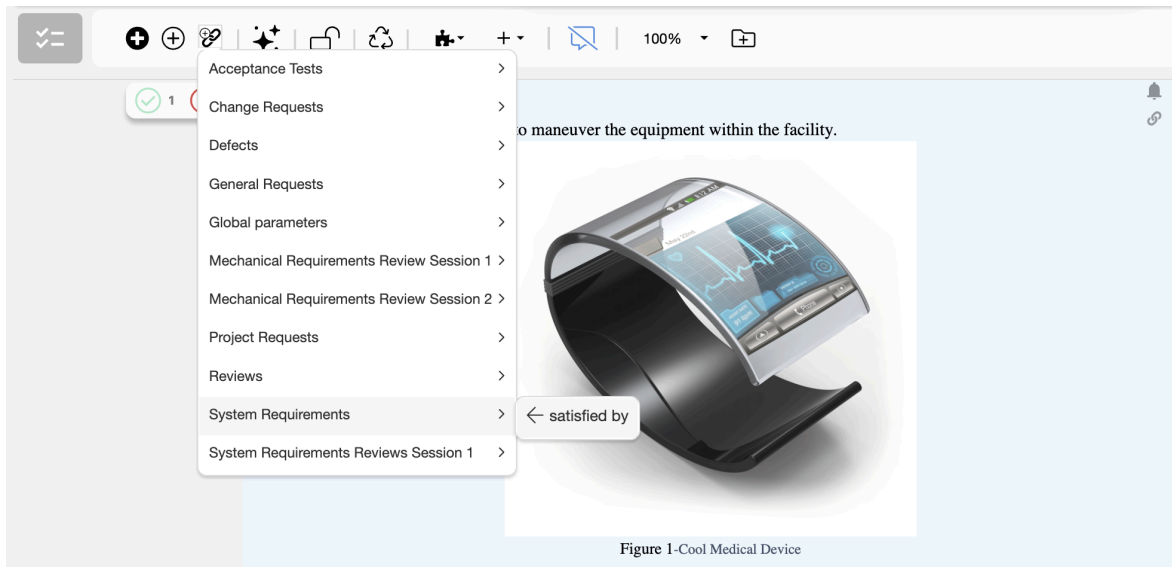
Elements modified since the last baseline are highlighted with a blue bar on the left or a blue circle on the right, allowing users to quickly identify and review modified items. This quick identification of recent changes enables efficient reviews.



## 3.1.9 Other

### 3.1.9.1 Add related

This feature allows users to create items directly related to the selected item, increasing efficiency by avoiding the need to switch documents and trace items separately. This boosts productivity by simplifying item creation and linking.



### 3.1.9.2 New Columns in List View

Document	Priority	satisfied by	Appr...	Revi...
Requirement Specifications				
1 Maximum weights and dimensions No single crate shall exceed maximum dimensions and weights for airplanes transporting systems to domestic or international municipal airports. Subassembly and field replaceable unit designs should consider install-ability and avoid the maximum shipping size where possible.	High	1 6 → MechReq_0110 - Fiber connector robustness → MechReq_0030 - Weight → MechReq_0080 - Shipping size → MechReq_0040 - Air shipment → PR_0150 -		
2 Packaging Packaging shall sufficiently protect the product during all approved shipping methods, including air and ground transportation modes. Standard shipping test methods shall be used to test packaging.	High	4 3 → MechReq_0120 - Mechanical cladding on fiber → MechReq_0050 - Shipping and distribution → ISO9241-11.020 - Effectiveness → MIL-STD-1547B - MIL-STD-1547B → ECSS-E-ST-50-12C - ECSS-E-ST-50-12C → GSFC-STD-7000A - GSFC-STD-7000A		
3 Cart mobility Rolling the mobile carts shall require a low enough pushing and pulling force to be transported throughout the hospital by a small adult	Medium	→ 3 → MechReq_0100 - Control Unit maneuverability → SWReq_0010 - Preference setting		
4 Doorway thresholds The mobile carts shall be capable of rolling over standard doorway thresholds.	Low	→ 3 → SWReq_0020 - Software logging → MechReq_0010 - Control Unit dimension		
5 Standard truck elevator tailgates The mobile carts shall be capable of rolling up standard truck elevator tailgates.	Low	1 1 → PR_0150 -		
6 Preference setting	Medium	2 2		

Several new columns have been added: Document and all columns of the link types, which were previously available on the desktop but are now accessible via the web. Enhanced visibility and organization of linked documents are now possible.



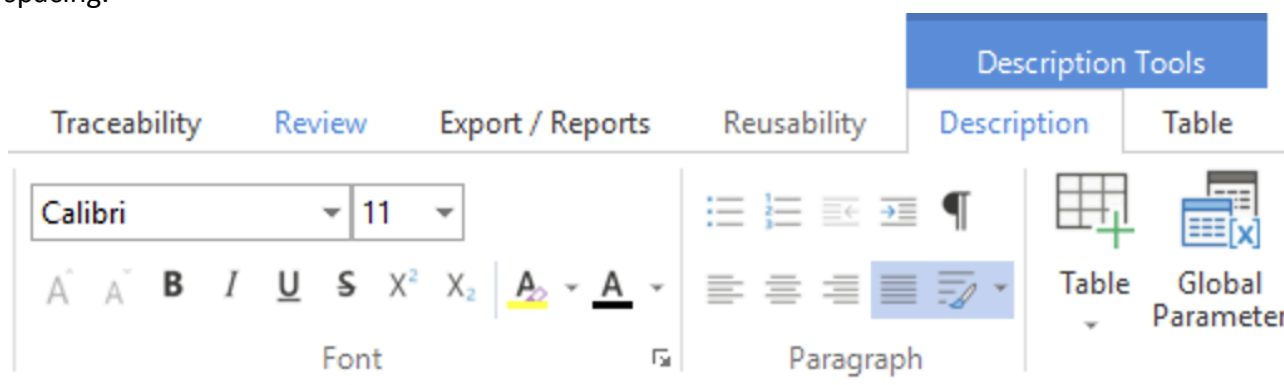
## 3.1.9.3 Document Management

User experience improvements include adding a navigation panel that was previously unavailable, making navigation and document access easier. Enabling multiple selection and bulk operations increases efficiency with batch processing capabilities. Converting documents into reviews, test suites, and test plans for better management allows flexible document conversion for streamlined test and review processes.

## 3.2 Visure Desktop

### 3.2.1 Description improvements

New features include superscript and subscript formatting options, along with improved paragraph spacing.



When tables are included, the width is reduced to ensure they fit on the page more easily, simplifying their creation.

### 3.2.2 Performance: New description cache

A new cache has been created to download all descriptions of a document, significantly improving performance after opening a document for the first time. Additionally, image descriptions are processed using a different algorithm, enhancing the display quality of images and special characters.

#### 3.2.2.1 Modified since last baseline

Elements modified since the last baseline are highlighted with a blue bar on the left or a blue circle on the right, allowing users to quickly identify and review modified items. This feature supports efficient reviews by clearly marking changes.

## 4 What's New in Visure 8

### 4.1 Review Management

A fundamental improvement in Visure 8 is the implementation of multiple features that support review management processes. Users can adjust these features and configure them to accommodate the needs of each specific project.

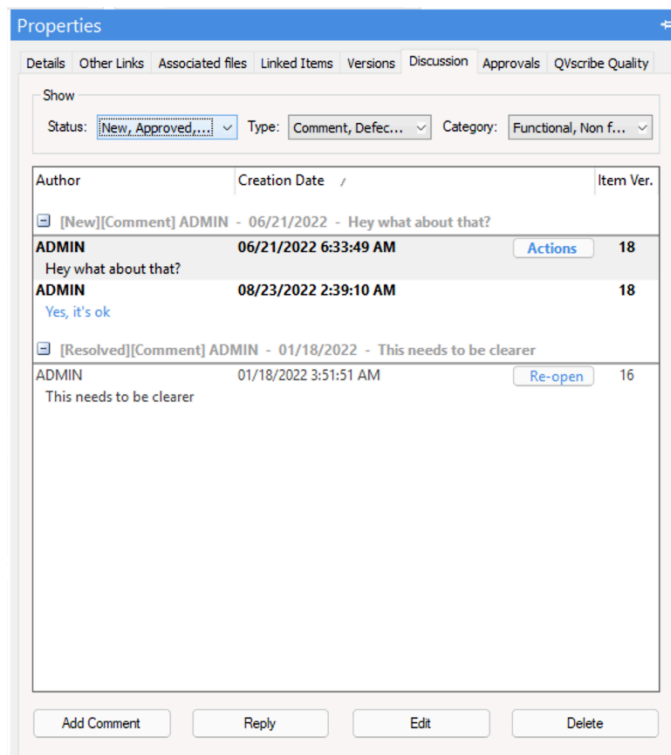
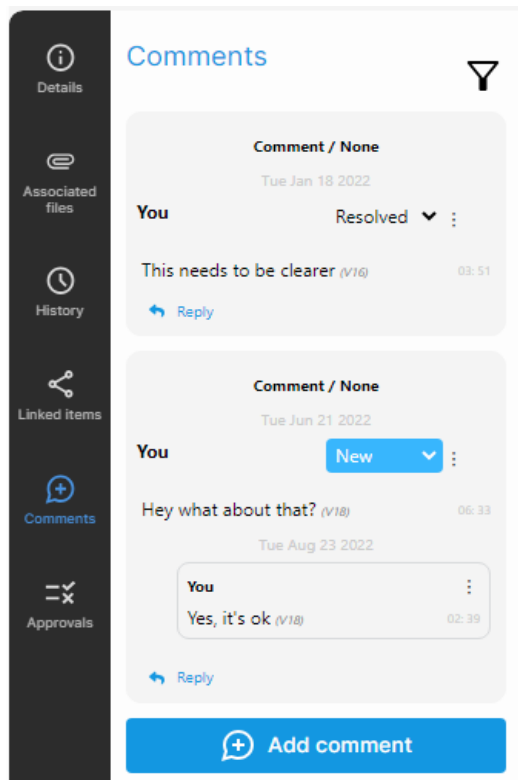


## 4.1.1 Comments attributes and workflow

Comments in Visure can now be categorized based on two new customizable attributes, Type (Functional, non-functional, by default) and Category (Comment, Question, Suggestion, Defect, by default). The use of these attributes in comments allows better tracking and follow-up of the results of reviews.

In addition, the status of the comments has also been improved to support additional states, including New, Approved, Rejected, On hold and Resolved. These states implement an internal workflow that guides the users through the resolution of a comment.

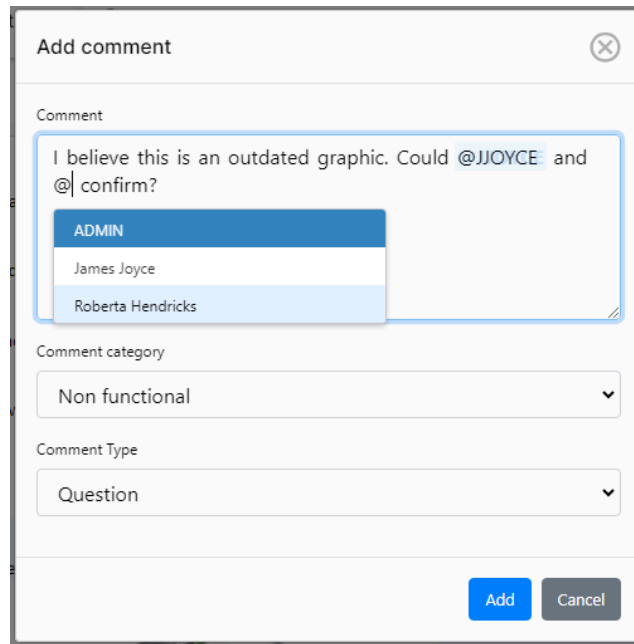
This option is available both in Visure Authoring and Visure desktop:



## 4.1.2 User references in comments

While performing a review, it is inevitable to have to engage with other users of the project. It is now possible to do so by simply mentioning them in a comment referencing their username, which will send them an email (if email notification is configured), letting them know that they have been referenced in a conversation.

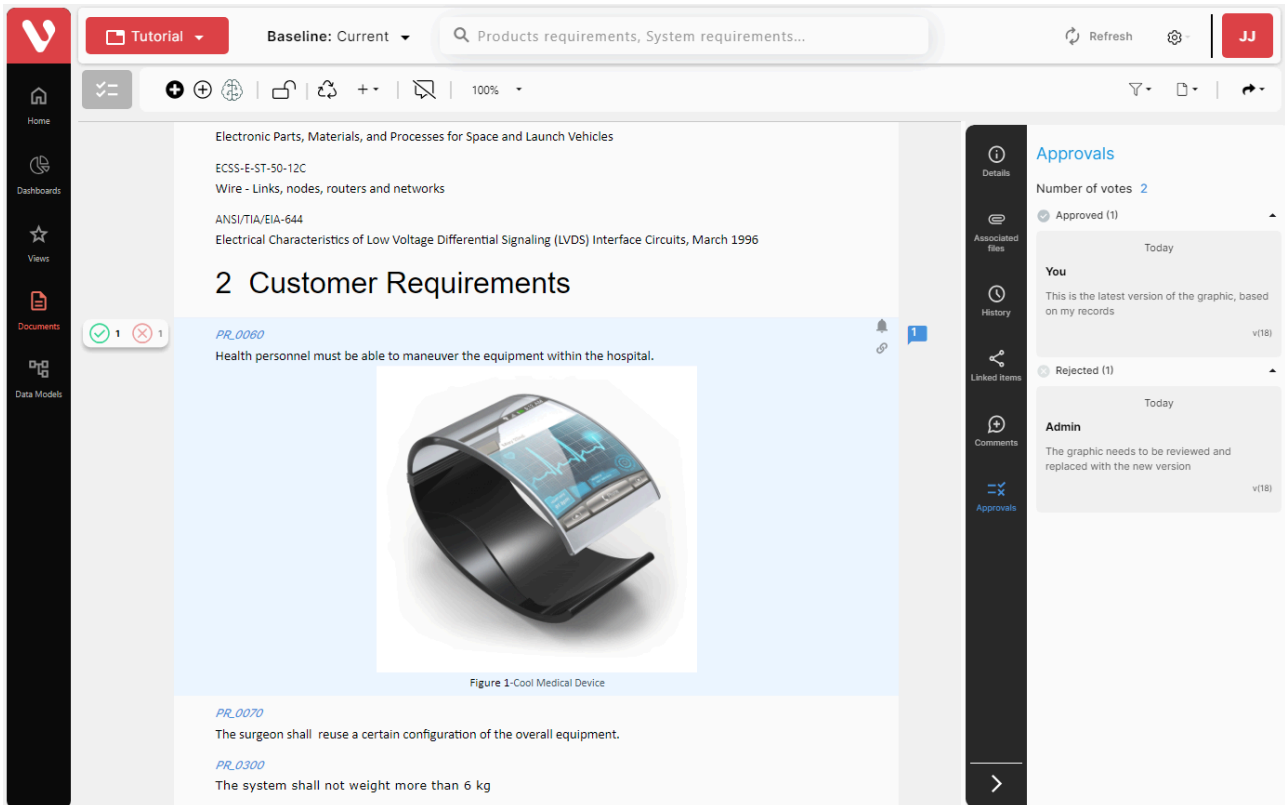
Just by typing an @, Visure Authoring will provide a list of the project users to select from:



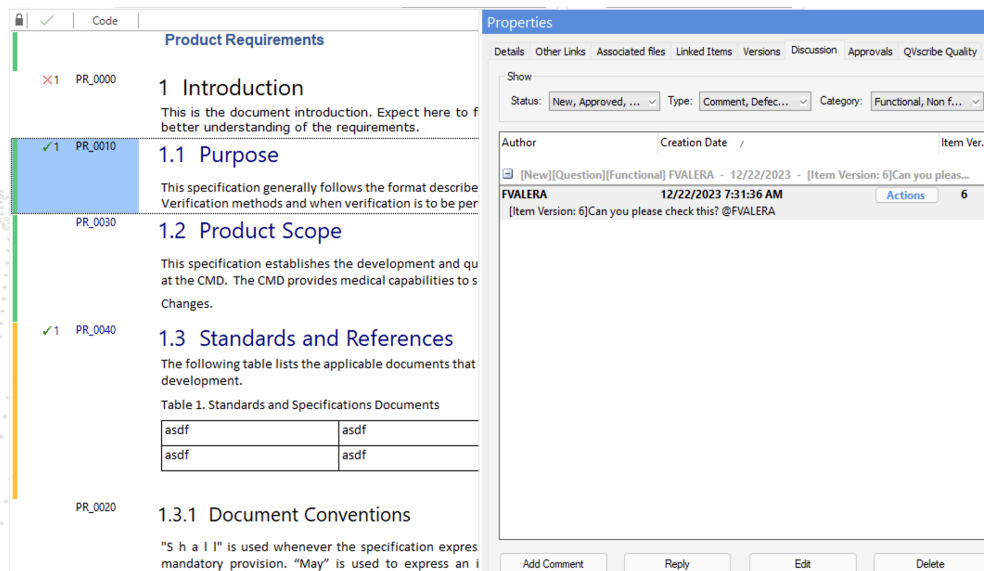
## 4.1.3 Approvals/rejections

Review processes typically rely on approvals provided by peers and/or customers. Visure 8 includes a new approval capability that leverages this part of the process to streamline the review process. Users can now Approve or Reject items without the need to have write access rights over them, which facilitates access to external users of the company. Each item will accumulate approvals and rejections from the team and will summarize them for the author of the item to make the appropriate corrections.

Visure Authoring can be leveraged to engage external users of the organization, as well as other less technical users:



All approvals and rejections made in the web client will also be available on the desktop and vice versa, so a user will be able to enter a rejection via Visure Authoring, while other responds through the desktop client.

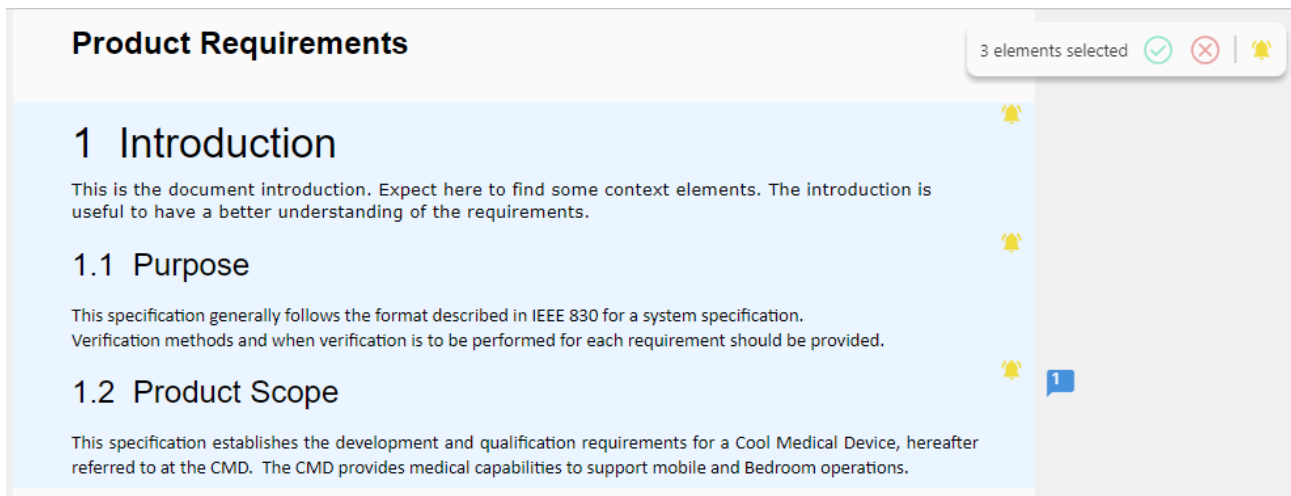


#### 4.1.4 Subscriptions and email notifications

To keep up with the review process, users will be notified via email notification if they are assigned to items, if a new comment or reply is entered in one of their items, if they are referenced in the comments, or if their items are approved or rejected. Users can also subscribe to individual items to receive email notifications whenever the items are modified or updated.



This option is available both through the desktop and the web client:

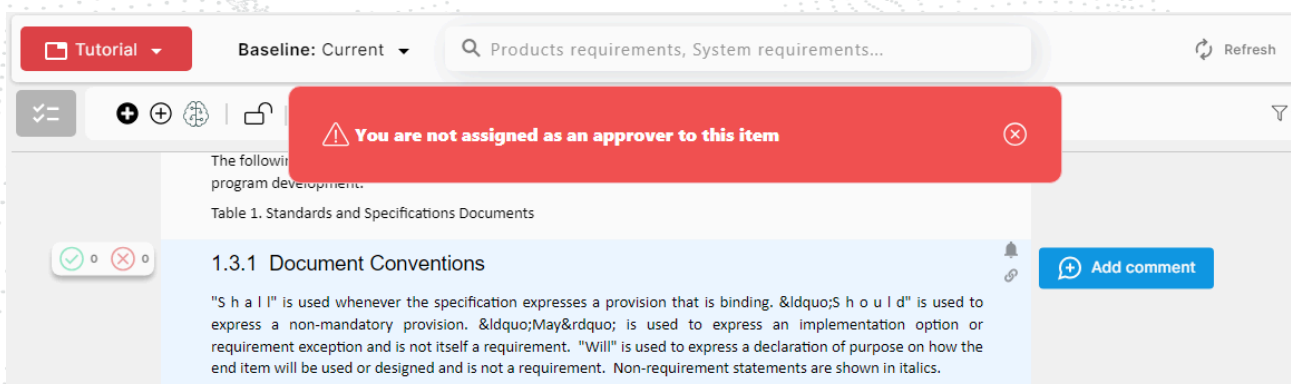


#### 4.1.5 Review Python script

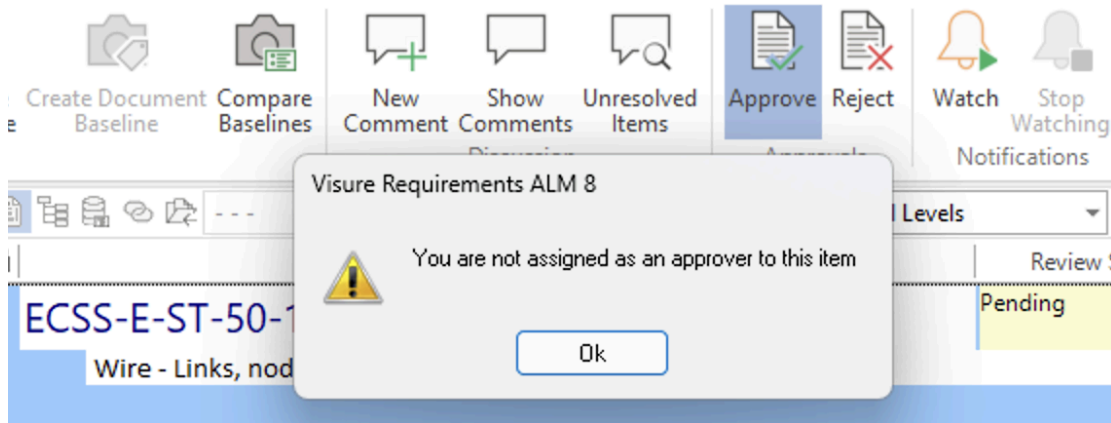
A new VisureReviewProcess.py Python script is installed by default in the Visure Server that enables the use of Review Due Date, Approvers and Reviewers attributes. If these attributes exist, users can use them to define a Review Due Date, and a list of Approvers and Reviewers per document. If a date is selected in the Review Due Date, the script will prevent users from approving/rejecting items or entering new comments after the due date. If users are included in the Approvers attribute, then only these users will be able to approve or reject items in that document. Approvers will also be able to enter comments on the items in that document. Finally, if users are included in the Reviewers attribute, these users will be able to enter comments on the items in that document, along with the approvers.

The scope of these attributes (approvers and reviewers) can be modified to apply to individual items, as opposed to the entire document. This script can also be modified to accommodate specific project needs.

Python scripts are server-based, which means that they will apply both to the desktop and the web interfaces.







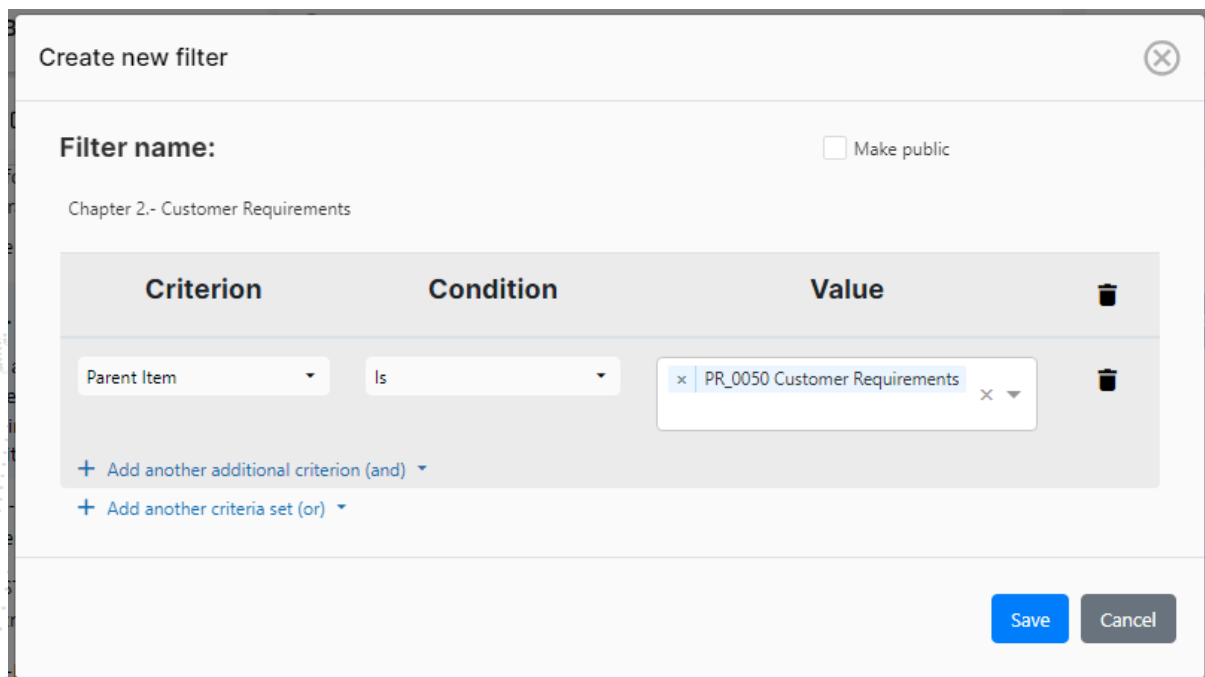
## 4.2 Filters

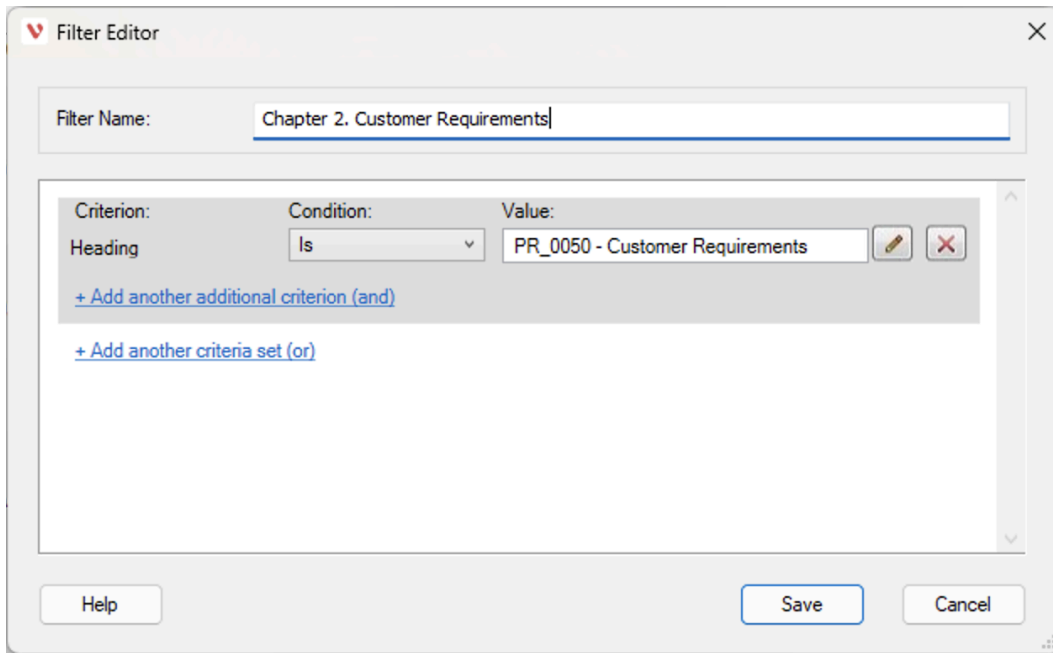
Filters have been improved to better support users' daily activities:

### 4.2.1 Heading filter

The Heading filter allows users to filter a document to display only a particular chapter. This can be especially useful when reviewing documents or assigning the items in a chapter to specific users for review, for instance.

This filter is available both in the desktop and web interface:

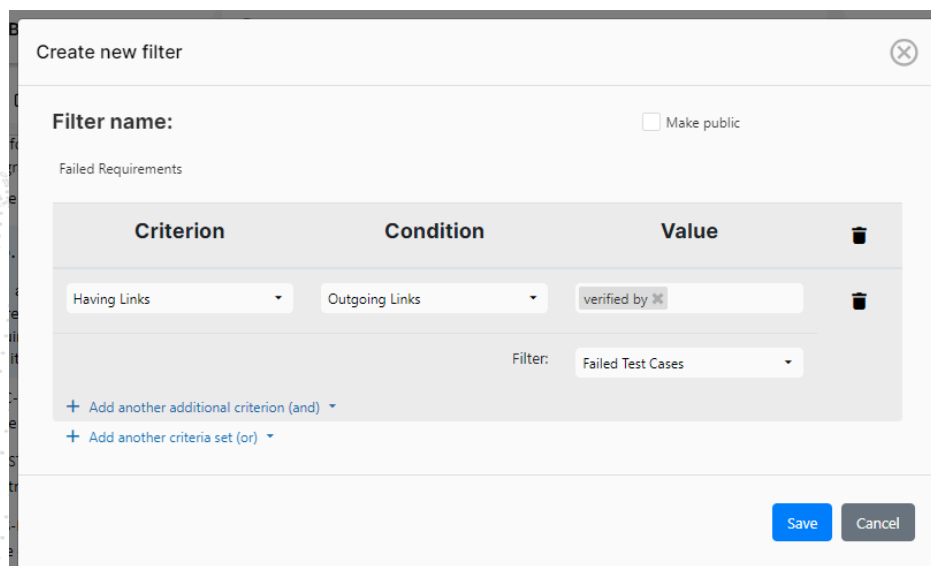


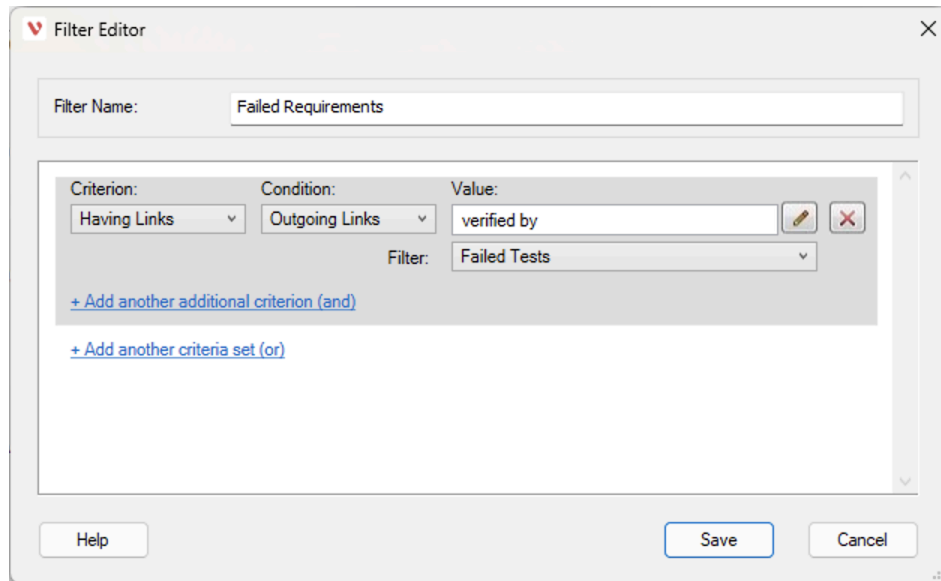


## 4.2.2 Multilevel filters

The multilevel filters allow users to apply an additional filter in the Having Links filter to see only the items that are related to other items that fulfill a condition. For instance, this type of filter allows users to display requirements that are traced to only software requirements, opposed to any other lower-level requirement e.g. mechanical requirements. It also allows displaying requirements that are related to tests that are “failed”. This failed tests filter would be a filter that would be applied to the related test cases.

This filter is also available both in the desktop and web interface:

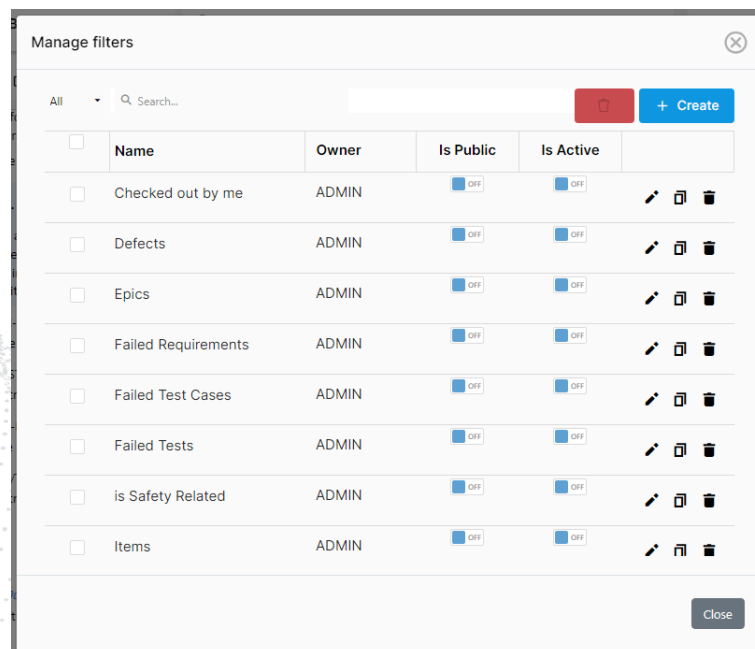


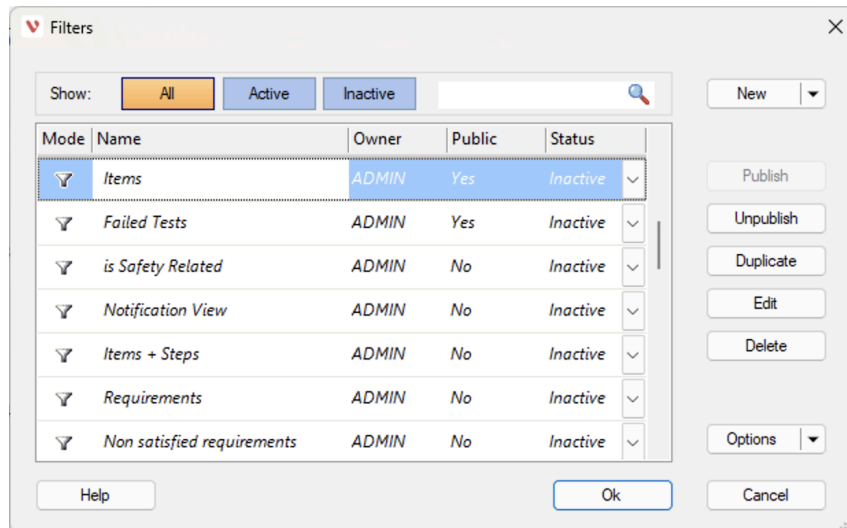


## 4.2.3 Sharing filters

Most users in the same group in a project have similar needs, and therefore, typically require the use of the same or very similar filters and views. Visure 8 allows users to publish and unpublish filters to the rest of the users in the project, so that other users can have them readily available when they log in to the project for the first time.

Users will be able to share filter from both the desktop and the web interface:

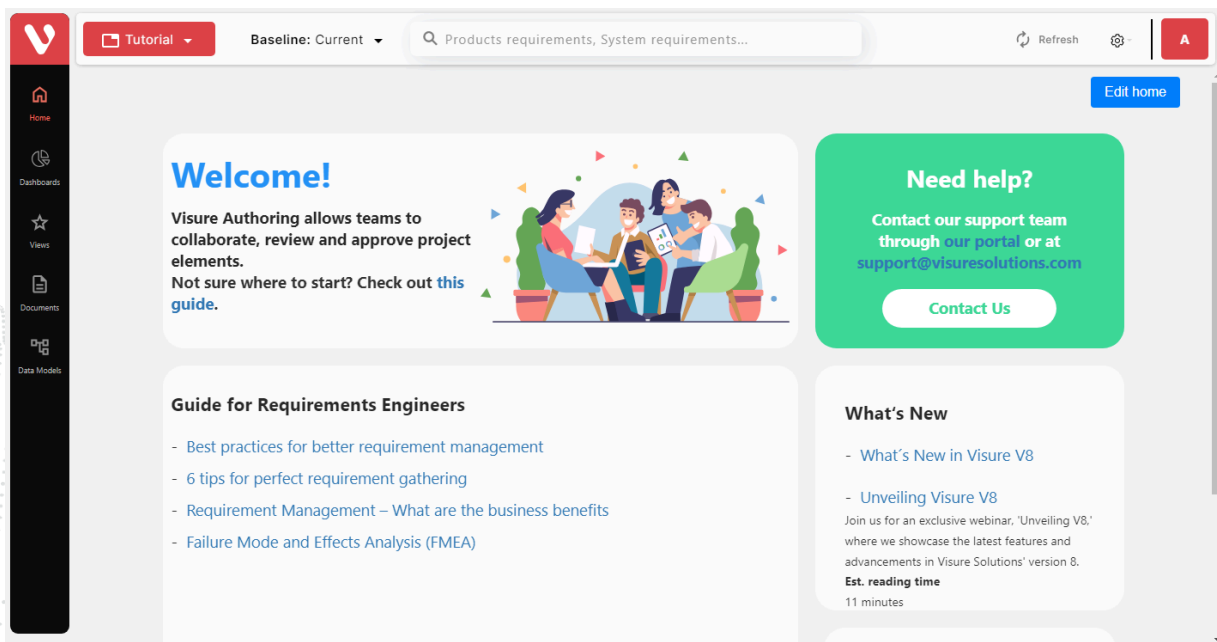




## 4.3 Visure Authoring 8

### 4.3.1 Gaudi User Interface

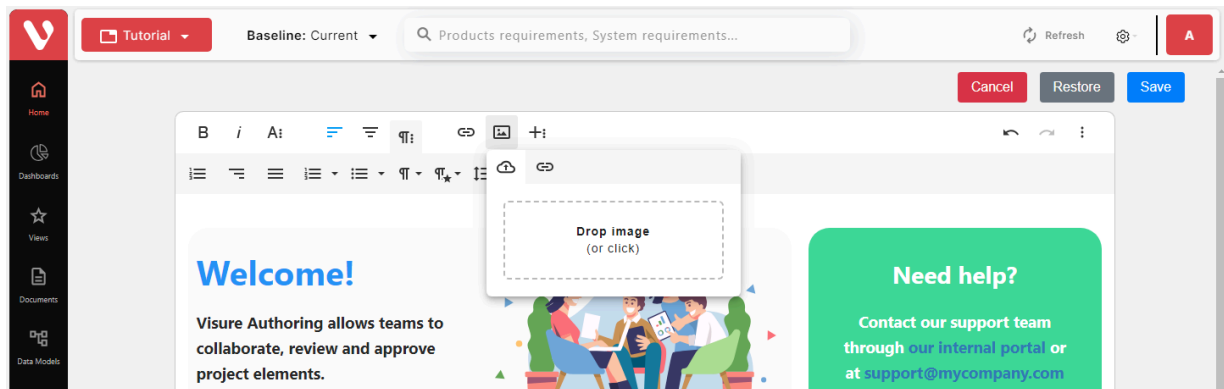
Inspired by the organic and rounded shapes that characterize the architecture of this iconic architect, Visure Authoring 8 aspires to provide a natural and intuitive interface to users that will improve their daily user experience.



### 4.3.2 Home page

Projects nowadays involve more users and are more dynamic and agile than ever before and sharing information and communicating effectively become essential for project success. The home page in Visure Authoring becomes a cornerstone to sharing important project and process information with the team such as links to internal resources, videos, documentation, as well as deadlines and company points of contact.

The home page provides project administrators with a simple HTML editor to create this landing page for the users of the project.

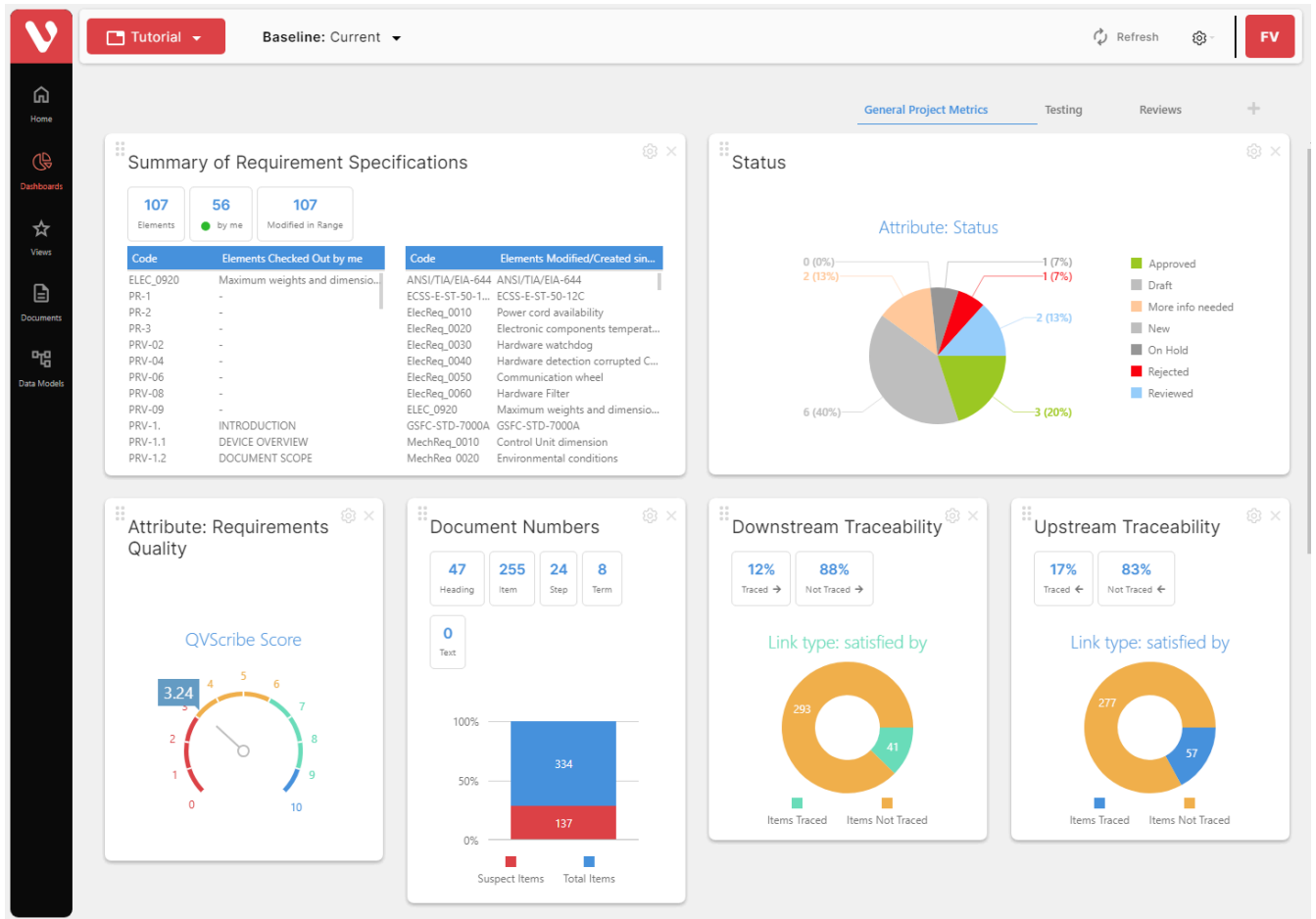


### 4.3.3 Dashboards

Dashboards are another essential part of project success by providing project stakeholders with critical information to make essential decisions in the project.

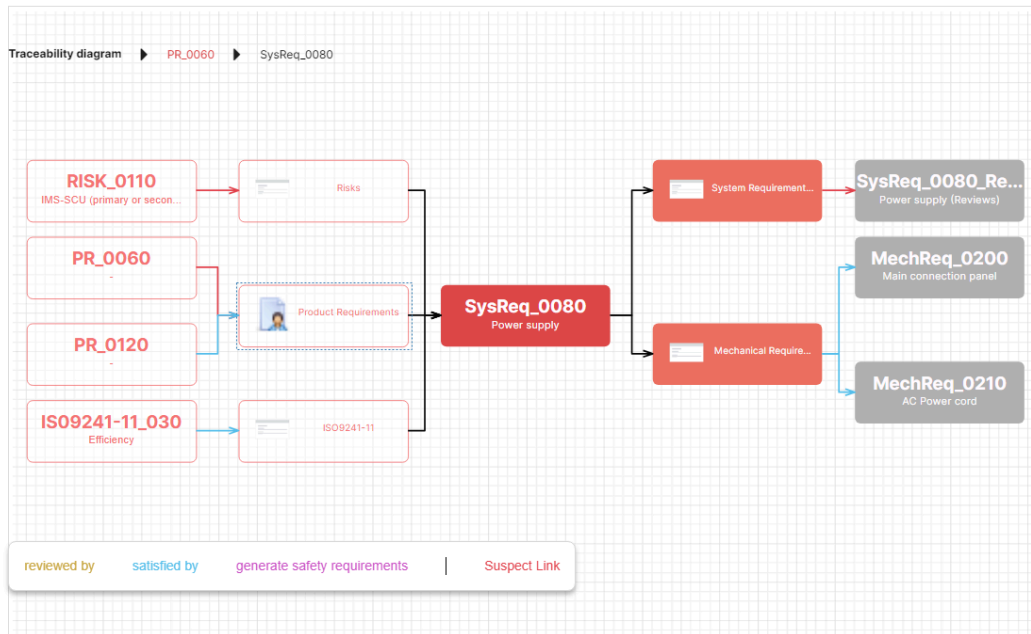
Visure Authoring 8 now incorporates powerful, yet easy-to-configure dashboards that summarize important project information and convey it to the users in a quick and understandable way. Dashboards in Visure can be created by project managers and tailored to the needs of each project and user group. End users will be able to navigate from these dashboards straight to the items simplifying the identification of pitfalls, bottlenecks, or non-compliances.





## 4.3.4 Traceability diagram

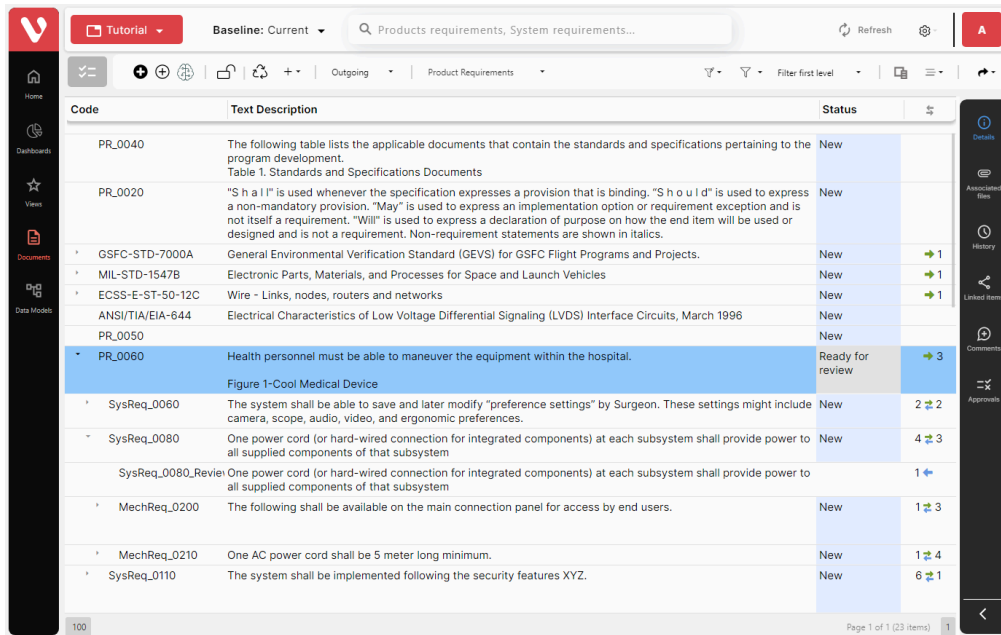
One of the most tedious tasks in Requirements Management is establishing and maintaining traceability in the project. However, this task pays off significantly when there are changes in the requirements and we need to analyze the impact of those changes. The traceability diagram is an especially useful way of representing project traceability, as it allows users to navigate through the traces of the items by clicking on the items and expanding on their links:



## 4.3.5 Traceability Tree View

Traceability trees are a very versatile way of displaying large quantities of items and associated information. They represent traces in a hierarchical format, either from higher to lower levels, or the other way around. Traceability trees can also display attribute information from items at each level, providing relevant information that may be useful for the analysis of the traces.

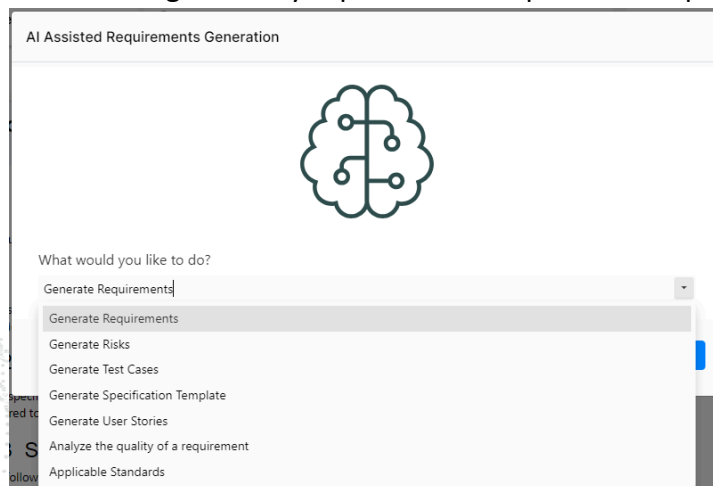
Visure Authoring now allows users to display documents in a Traceability Tree by selecting this type of view from the menu.



Code	Text Description	Status
PR_0040	The following table lists the applicable documents that contain the standards and specifications pertaining to the program development. Table 1. Standards and Specifications Documents	New
PR_0020	"S h a l l" is used whenever the specification expresses a provision that is binding. "S h o u l d" is used to express a non-mandatory provision. "May" is used to express an implementation option or requirement exception and is not itself a requirement. "Will" is used to express a declaration of purpose on how the end item will be used or designed and is not a requirement. Non-requirement statements are shown in italics.	New
* GSFC-STD-7000A	General Environmental Verification Standard (GEVS) for GSFC Flight Programs and Projects.	New
* MIL-STD-1547B	Electronic Parts, Materials, and Processes for Space and Launch Vehicles	New
* ECSS-E-ST-50-12C	Wire - Links, nodes, routers and networks	New
ANSI/TIA/EIA-644	Electrical Characteristics of Low Voltage Differential Signaling (LVDS) Interface Circuits, March 1996	New
PR_0050		New
* PR_0060	Health personnel must be able to maneuver the equipment within the hospital. Figure 1-Cool Medical Device	Ready for review
* SysReq_0060	The system shall be able to save and later modify "preference settings" by Surgeon. These settings might include camera, scope, audio, video, and ergonomic preferences.	New
* SysReq_0080	One power cord (or hard-wired connection for integrated components) at each subsystem shall provide power to all supplied components of that subsystem	New
SysReq_0080_Review	One power cord (or hard-wired connection for integrated components) at each subsystem shall provide power to all supplied components of that subsystem	1
* MechReq_0200	The following shall be available on the main connection panel for access by end users.	New
* MechReq_0210	One AC power cord shall be 5 meter long minimum.	New
* SysReq_0110	The system shall be implemented following the security features XYZ.	New

#### 4.3.6 Integrated Artificial Intelligence for automatic requirements generation

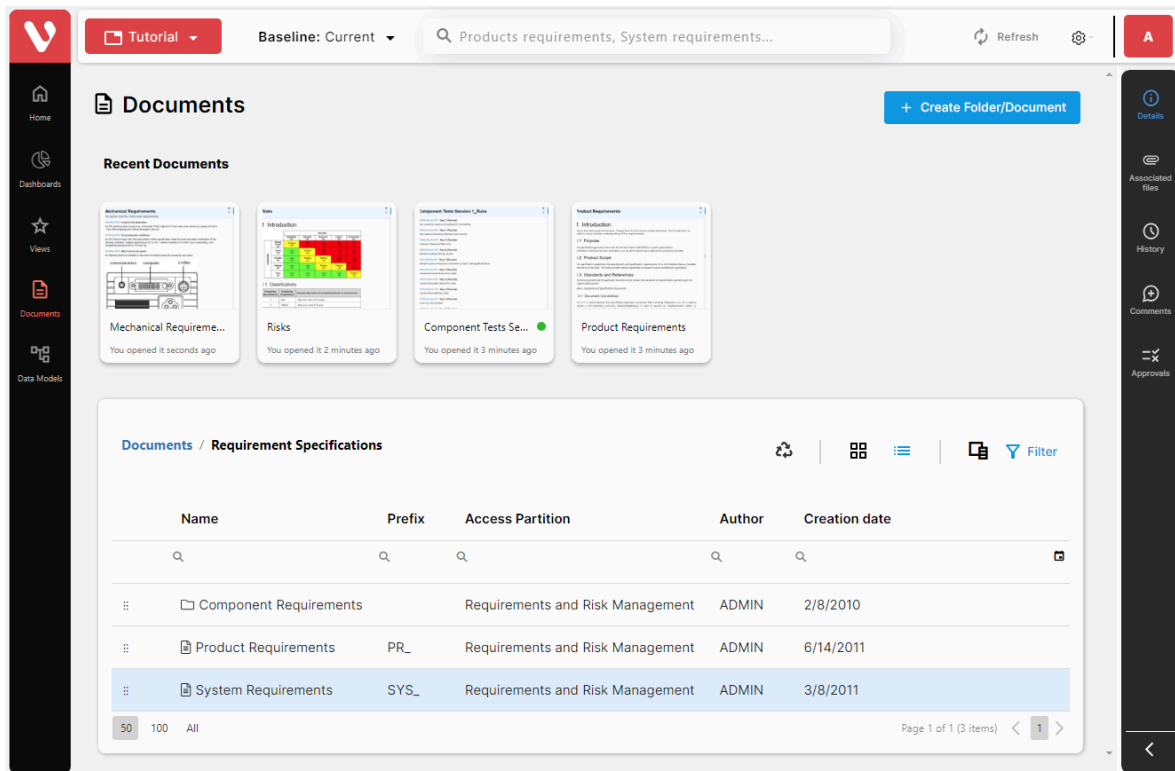
Generating *high quality* requirements automatically seemed like science fiction not that long ago. Visure Authoring now makes this a reality by leveraging Generative AI. This module can be enabled or disabled by administrators and allows users to generate project assets such as requirements, complete requirement specifications, risks or tests automatically, based on a given idea or request. This module can be used to generate requirements from scratch, fine-tune existing requirements, or cross-check that we haven't forgotten any aspect of our requirements specification.



#### 4.3.7 Improved Documents view

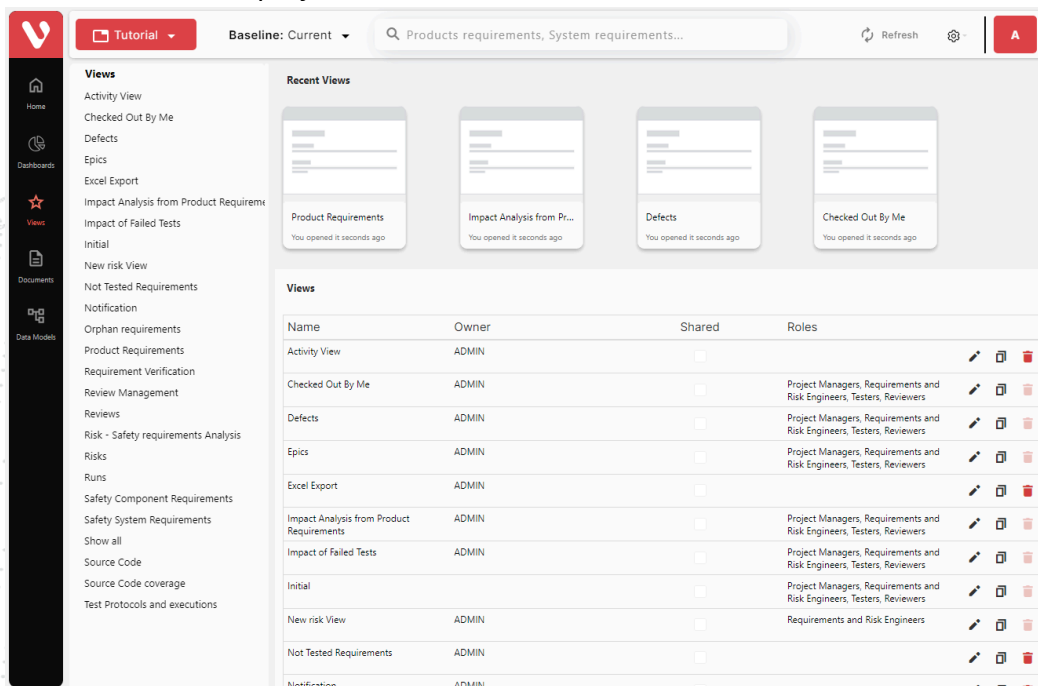
The new documents view provides a more natural and intuitive environment for users to create and manage their documents in a folder structure that will simplify their everyday life. The recent documents section provides a thumbnail of the documents the user has been working on recently, simplifying the access to these documents. The list view of documents allows users to display columns with information on the document and classify and filter them based on these.





## 4.3.8 Views Management

Views are a fundamental part of the use of Visure, allowing users to customize the way they work with each document in the project. Creating and sharing views between users is essential to an effective collaboration. Visure Authoring provides a full environment for users to create, share and manage their views within a project.



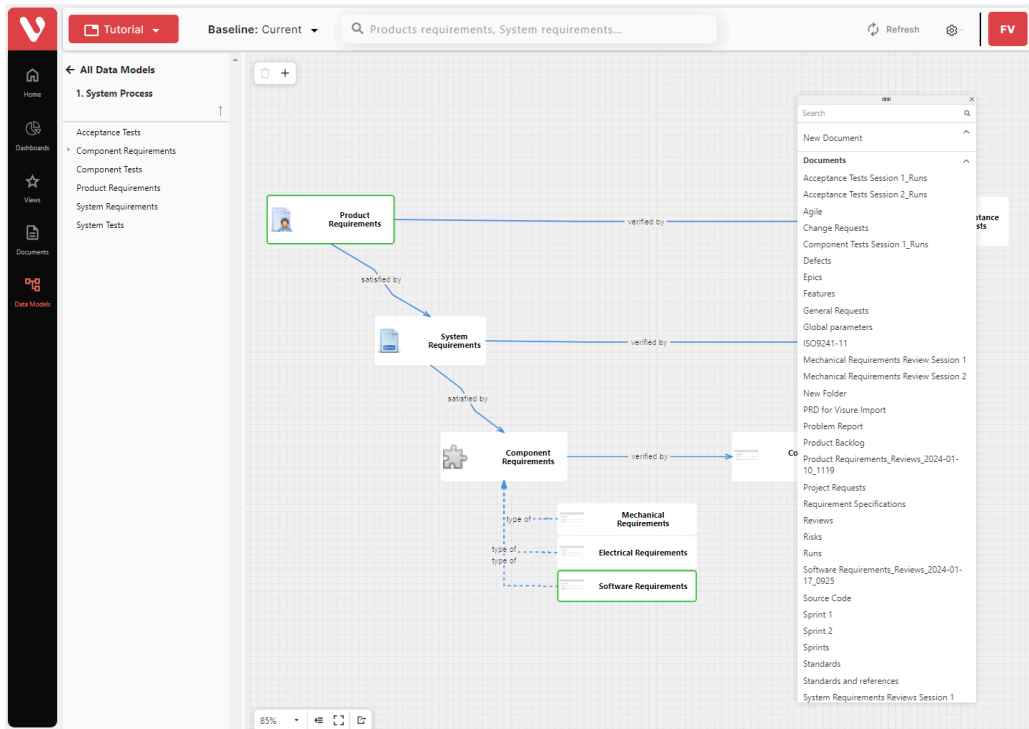
## 4.3.9 Managing Data Models

Data Models are the backbone of the process defined in Visure. They not only define the allowed links between the documents, but they create a common understanding among the project





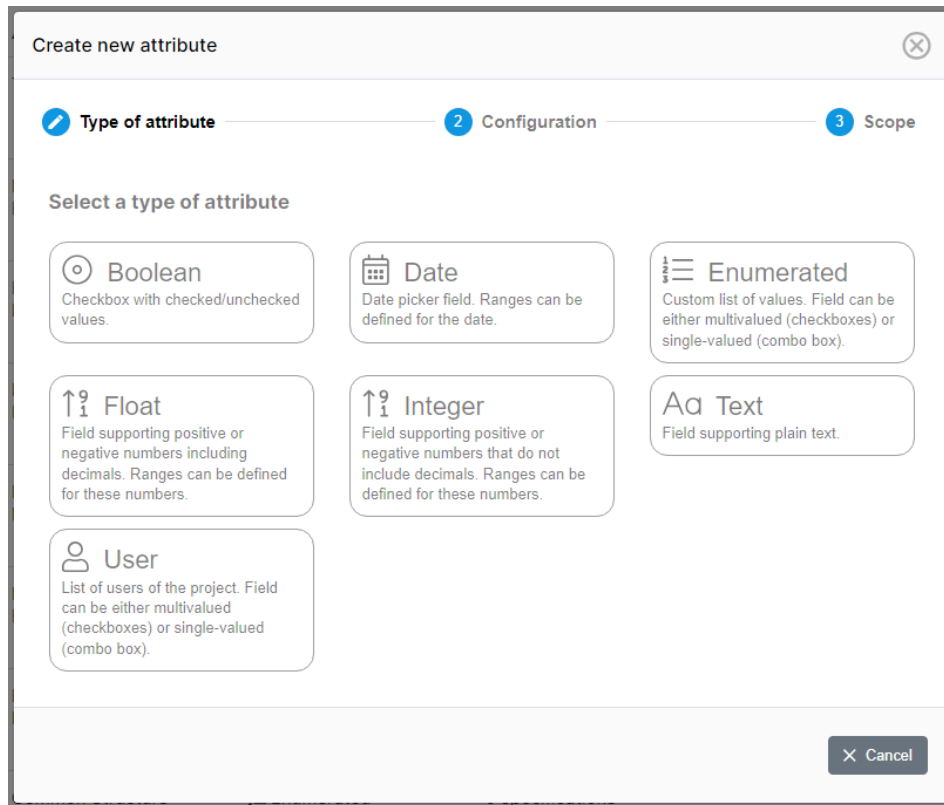
members, of the decomposition of the system and the break-down structure. Visure Authoring now allows project managers to create, edit and manage these data models in a simple way.



#### 4.3.10 Managing attributes

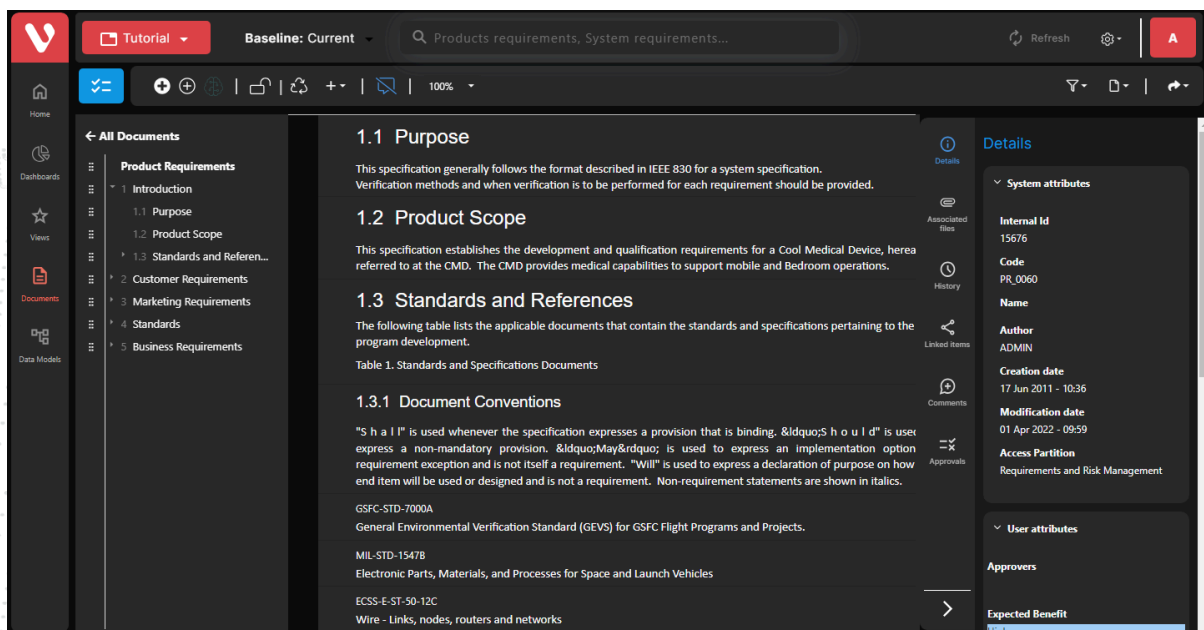
Custom attributes allow project managers to customize the processes to the specific needs of the organization and the project. Visure supports the definition of different types of user attributes and assigns them to the different documents in the project. The definition of these attributes can now be done entirely from Visure Authoring, in a simplified way, through a three-step wizard.





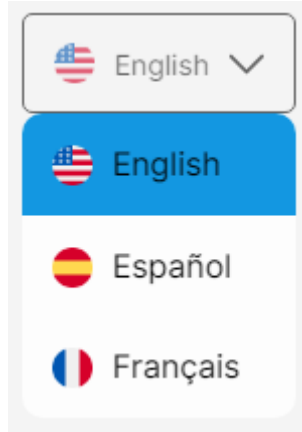
## 4.3.11 Dark Mode

Dark mode in applications have gained in popularity, due to the relaxing nature of its colors, especially when working inside offices without sufficient natural sunlight or at night. Visure Authoring users can now toggle between light and dark mode within Visure Authoring.



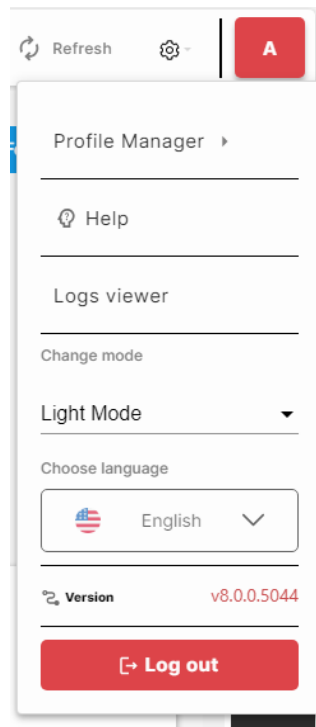
## 4.3.12 UI languages

Visure Authoring now provides new UI languages that the users will be able to select from:



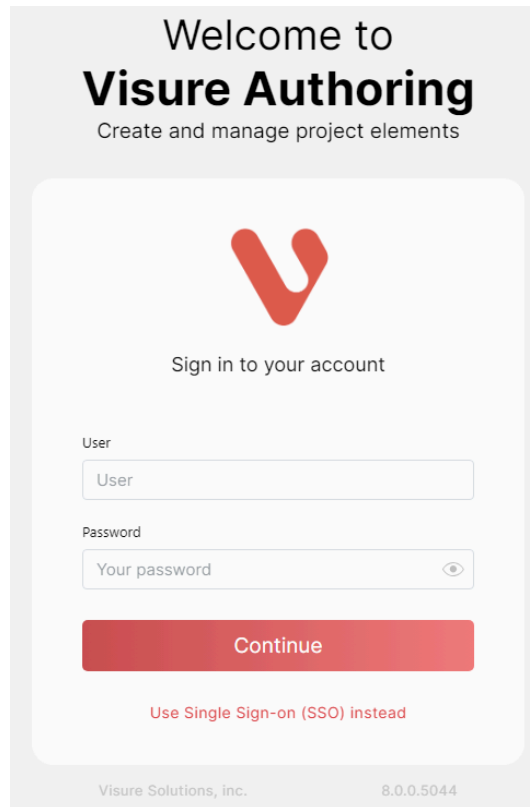
## 4.3.13 User menu

The new user menu provides users with multiple configuration settings, and profile management.



## 4.3.14 Login

The user login has been improved not only with SSO capabilities that will allow the user to login in seamlessly, but Visure saves information on the latest project and group used to load the same environment in subsequent logins.



## 4.4 Visure Server

### 4.4.1 Performance and stability

As part of our ongoing effort to support increasingly bigger databases and teams, the Visure database and server has been optimized to support even bigger repositories and a higher number of concurrent users.

### 4.4.2 Single Sign-On configuration

As organizations grow, it becomes increasingly necessary to manage users in a centralized way. Azure Entra ID (former Azure Active Directory), and other OpenID Connect applications such as Okta or MyID provide a solution for user authentication across the board.

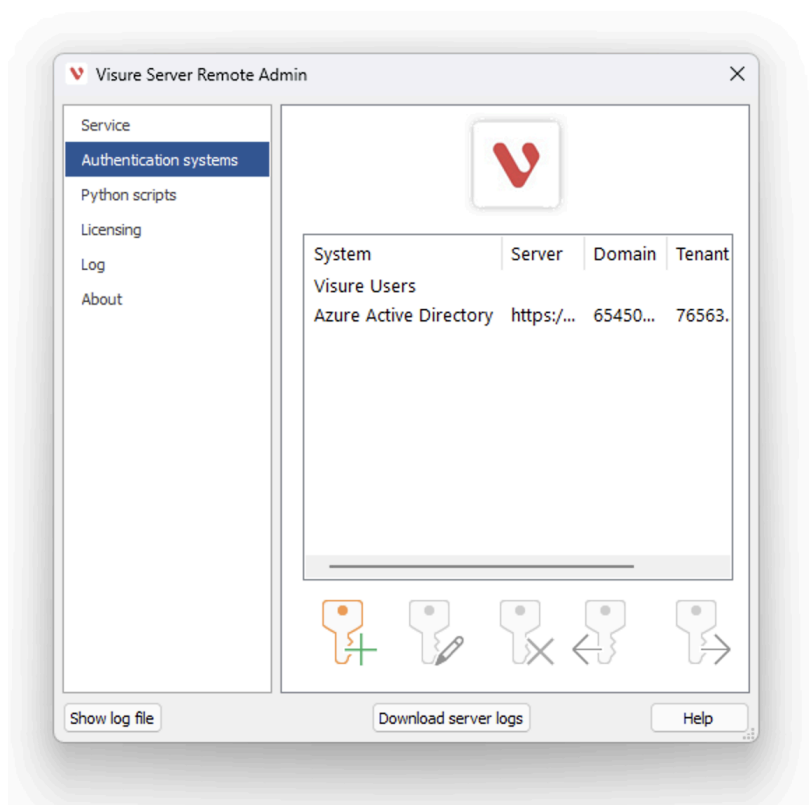
Visure can now integrate with these solutions for user authentication. Visure administrators can configure the integration via the Visure Server to provide a seamless user experience.

The user provisioning has also been improved to allow users defined in the user authentication application Sign Up to Visure. During the first login attempt, if the Visure administrator has enabled this option, sign up user will be created in Visure automatically retrieving all the information from the user authentication app, and will send an email to the Visure administrators, letting them know that a new user has been created in the application and is waiting to be assigned to a project.

### 4.4.3 Visure Server Remote Admin

The new Visure Server Remote Admin application allows administrators to manage some of the server features remotely and conveniently. This feature needs to be activated in the actual Visure Server, and allows the Administrators remotely restart the Visure server, configure Authentication Systems such as Azure Entra ID (former Azure Active Directory), upload python scripts, change license server configuration and download server log files.





## 4.4.4 Python Scripts

The support for Python scripts has been extended to incorporate more capabilities such as access to hierarchical and association links, for instance, to update an item based on its children or related items.

The Visure Server and client now include a complete Python Programmer's Reference Guide.

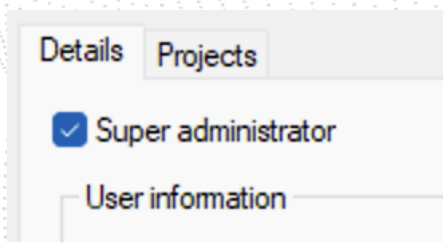
The Visure Server also automatically installs a sample python script that enables the use of Review Due Date, Approvers and Reviewers attribute for the use in the review process. This script can be used as an example for the development of new scripts.

## 4.5 Administration Center

### 4.5.1 Super Administrator users

Visure 8 now supports shared repository administration by allowing multiple users to have Super Administrator access rights over the database, easing the burden of project and user creation from the ADMIN user.

This feature can be enabled for individual users directly from the Administration Center.

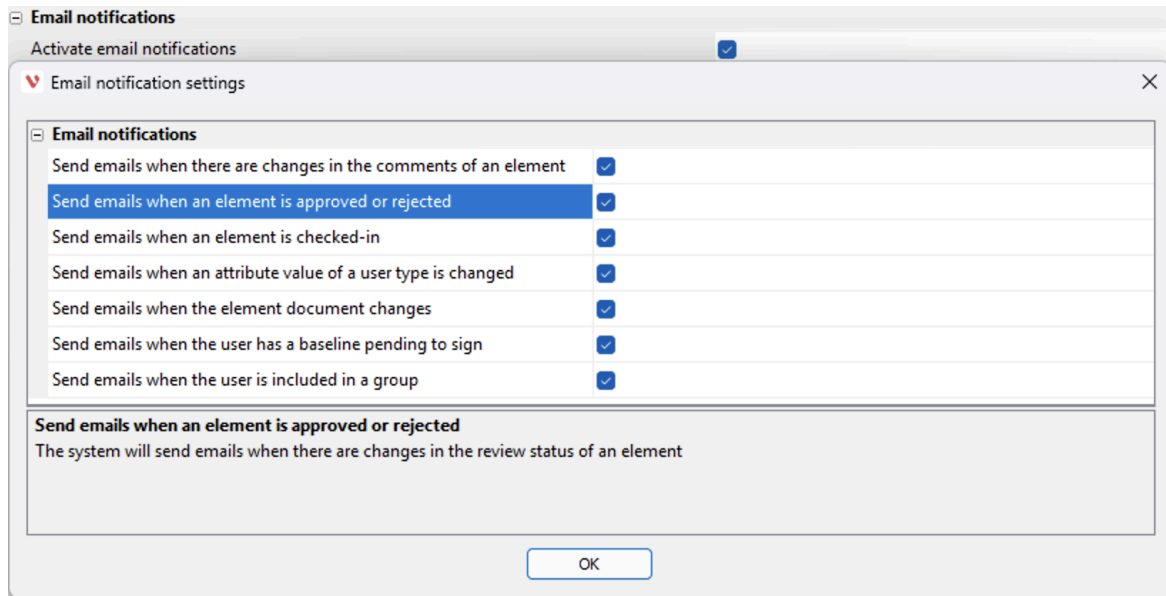




## 4.5.2 Email notifications

The new email notification feature in Visure 8 allows team member stay updated by receiving email notifications whenever there are new users in the repository, they are assigned to projects, there changes to items they own, or they subscribe to or if they are assigned to items, among other notifications.

These email notifications can be configured per project in the Administration Center



**Email notifications**

Activate email notifications ☒

**Email notification settings**

**Email notifications**

- Send emails when there are changes in the comments of an element ☒
- Send emails when an element is approved or rejected ☒
- Send emails when an element is checked-in ☒
- Send emails when an attribute value of a user type is changed ☒
- Send emails when the element document changes ☒
- Send emails when the user has a baseline pending to sign ☒
- Send emails when the user is included in a group ☒

**Send emails when an element is approved or rejected**  
The system will send emails when there are changes in the review status of an element

OK

## 4.5.3 Comments Category and Type

The review management process in Visure can be customized by customizing the values of the Comments Type and Category attributes

Comments	
Types	Comment
	Question
	Suggestion
	Defect
Categories	Functional
	Non functional