

When a blank view is first created, the side panel displays the ‘general’ tab, which is a set of properties of the view the user needs to define upfront before generating a diagram.

The screenshot shows a web browser window for 'ISO26262 Overview - Engineering Lifecycle Manager - Mozilla Firefox' at the URL <https://localhost:9443/jazz/relm>. The main content area displays a view titled 'ISO26262_overview' with a toolbar below it containing options for 'Container', 'Text', 'Image', and 'Shapes'. To the right, a side panel is open under the 'Properties' tab, which is highlighted. The 'General' tab is selected. The properties defined are:

- Name:** ISO26262_overview
- Description:** (Empty text area)
- Parameter:** (Table with columns: Type, Value, Mandatory, Actions. One row is present but empty.)
- Connections:** (Table with columns: Type, Description, Actions. One row is present but empty.)

A blue bracket on the right side of the screen points from the text 'Properties of the view that need to be defined first' towards the properties panel.

Properties of the view
that need to be defined first

In the dialog window, adding a type 'blocks' to the list, and select the query.

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla FireFox
https://localhost:9443/jazz/relm

Automated Meter Reader

Welcome Products v Views v Queries v Analysis v Reports v

Views > My Views >

ISO26262_overview

Add/Edit Connections

Type: Blocks

Select a query:
 Link Type
 Custom Query
rtc_cm:com.ibm.team....

Conditions: + Add

Save Cancel

General Properties

Name: ISO26262_overview

Description:

Parameter

Type	Value	Mandatory	Actions

Connections

Type	Description	Actions	
Blocks	block workitems		

Save Cancel

After the view's properties are defined, the user can start dragging and dropping elements into the page. Once an element is added, it is auto-selected and it switches to the 'properties' tab which shows the attributes of this element.

The screenshot shows the 'ISO26262 Overview - Engineering Lifecycle Manager' application running in Mozilla Firefox. The URL is <https://localhost:9443/jazz/relm>. The top navigation bar includes back, forward, search, and user profile icons. The main header is 'Automated Meter Reader'. The left sidebar has links for Welcome, Products, Views, Queries, Analysis, and Reports. The current view is 'Views > My Views > ISO26262_overview'. On the left, there's a toolbar with 'Container', 'Text', 'Image', and 'Shapes' options, followed by 'Grid Layout' and 'Tree Layout' buttons. A large empty rectangular area is available for dragging and dropping elements. A blue arrow points from the 'Container' button to a cursor icon over the empty area, labeled 'drag-and-drop action'. In the bottom-left corner of this area, there's a context menu with 'Show query' (disabled) and 'Remove container' (highlighted with a yellow background and a hand cursor). A blue arrow points from the text 'the panel shows the element type and its corresponding attributes' to the right-hand properties panel. The properties panel is titled 'General' (which is selected) and 'Properties'. It shows a preview of a 'Container' element. Below that is a 'Query' section with 'Query ID: Task' and 'Query Parameters' with an 'Add' button. There are sections for 'Layout and Size' (Column, Row, Width, Height, Margin, Spacing) and 'Style' (Stroke, Fill).

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla Firefox
https://localhost:9443/jazz/relm

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Automated Meter Reader

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ISO26262_overview

Container Text Image Shapes

Grid Layout Tree Layout

drag-and-drop action

the panel shows the element type and its corresponding attributes

General Properties

Container

Query

Query ID: Task

Query Parameters: + Add

Type	Value	Actions
------	-------	---------

Layout and Size

Column: [] Row: []

Width: [] Height: []

Margin: []

Spacing: [] []

Show query

Remove container

Style

Stroke: 2 pt #b6def3

Fill: #f6fbfe

The user can add or edit a query from the dialog window.

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https://localhost:9443/jazz/relm

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Container Text Image Shapes

Add/Edit Queries

Queries

- Product
- Task
- Child Task
- Requirement
- Test Case

Parameters

Type	Value	Actions
workitem_ID	600	+ Add

SPARQL

Preview

Save Cancel

General Properties

Container

Query

Query ID: Task

Query Parameters:

Type	Value	Actions
		+ Add

Layout and Size

Column: Row:

Width: Height:

Margin:

Spacing: ↔

Style

Stroke: 2 pt #b6def3

Fill: #f6fbfe

add a query to the list, then specify the parameter and the SPARQL from the right.

To preview the query:

Idea 1: Rich hover to preview the query result:

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla Firefox
https://localhost:9443/jazz/relm

Automated Meter Reader

Welcome Products Views Queries Analysis Reports

Views > My Views >

ISO26262_overview

Add/Edit Queries

Queries

- Product
- Task**
- Child Task
- Requirement
- Test Case

Parameters

Type	Value	Actions
workitem_ID	600	+ Add

SPARQL

Preview

Save Cancel

Query Result

Type	ID	Title	Status
Task	26	3.5 Item Definition	New
Task	27	3.6 Initiate Safety Lifecycle	New
Task	28	3.7 Hazard Analysis and Risk	New
Task	29	3.8 Functional Safety	New

Show More

General Properties

Container

Query

Query ID: Task

Query Parameters:

Type	Value	Actions
		+ Add

Row: Height:

Style

Stroke: 2 pt #b6def3

Fill: #f6fbfe

The screenshot shows a web-based application for managing engineering lifecycle queries. On the left, there's a sidebar with navigation links like 'Welcome', 'Products', 'Views', 'Queries', 'Analysis', and 'Reports'. Below that is a 'Views' section with a 'My Views' link. The main content area is titled 'ISO26262_overview'. A central window is open for 'Add/Edit Queries'. It has two tabs: 'Queries' and 'SPARQL'. The 'Queries' tab lists several items: 'Product', 'Task' (which is selected), 'Child Task', 'Requirement', and 'Test Case'. Below this is a 'Parameters' table with one row: 'workitem_ID' with value '600' and an '+ Add' button. The 'SPARQL' tab is currently empty. At the bottom of this window are 'Save' and 'Cancel' buttons. To the right of this window is a 'Query Result' panel. It contains a table with four rows, each representing a task: 'Task 26' (3.5 Item Definition, New), 'Task 27' (3.6 Initiate Safety Lifecycle, New), 'Task 28' (3.7 Hazard Analysis and Risk, New), and 'Task 29' (3.8 Functional Safety, New). There's also a 'Show More' link. Further right is a 'Container' configuration panel with tabs for 'General' and 'Properties'. It includes fields for 'Query ID' (set to 'Task'), 'Query Parameters', and style options for 'Stroke' (2 pt, #b6def3) and 'Fill' (#f6fbfe). The overall interface is designed for configuring and previewing complex engineering queries.

idea 2: Extended panel to show the query result

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla FireFox
<https://localhost:9443/jazz/relm>

Automated Meter Reader

Welcome Products v Views v Queries v Analysis v Reports v

Views > My Views >

ISO26262_overview

Container Text Image Shapes

General Properties Container

Add/Edit Queries

Queries

- Product
- Task**
- Child Task
- Requirement
- Test Case

Parameters

Type	Value	Actions
workitem_ID	600	+ Add

SPARQL

Query Result:

Type	ID	Title	Status
Task	26	3.5 Item Definition	New
Task	27	3.6 Initiate Safety Lifecycle	New
Task	28	3.7 Hazard Analysis and	New
Task	29	3.8 Functional Safety	New

Save Cancel

Previous | 0 - 0 of 0 | Next

Style

Stroke: 2 pt #b6def3

Fill: #f6fbfe

click the preview button expands a panel on the right that shows the results.

The screenshot shows a web browser window for the ISO26262 Overview in the Engineering Lifecycle Manager. The main content area displays a form for 'Add/Edit Queries'. On the left, there's a list of query types: Product, Task, Child Task, Requirement, and Test Case. 'Task' is selected and highlighted in blue. On the right, there are sections for 'Parameters' and 'SPARQL'. Below these is a 'Query Result' table showing four tasks from '3.x' series. To the right of the main content, there's a vertical toolbar with buttons for 'Container', 'Text', 'Image', and 'Shapes'. A large, semi-transparent 'Style' panel is overlaid on the right side, containing sliders for 'Stroke' and 'Fill' colors. At the bottom of the page, a note says 'click the preview button expands a panel on the right that shows the results.'.

When a node is selected, the user can change the content style. A default style is used that applies to all artifact types. The user can set up different styles for different artifact types using the content style editor.

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla Firefox
https://localhost:9443/jazz/relm

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Views > My Views >

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Container | Text | Image | Shapes

Content Style Editor

Name: Default

Content:

ID Title

Type Conditions: All Type

Fill:

None Solid Color: █

Size:

W: 150 H: 50

Preview:

Task 26
3_05 Item Definition
donec luctus leo n...

Save Cancel

General Properties

Node Task 26

Content Style: Default

The screenshot shows the 'Engineering Lifecycle Manager' application running in Mozilla Firefox. The URL is https://localhost:9443/jazz/relm. The main window displays a 'Views > My Views >' hierarchy under 'ISO26262_overview'. On the left, there's a vertical list of tasks: 'Task 26' (selected), 'Task 27', 'Task 28', and 'Task 29'. The 'Content Style Editor' dialog is open over the tasks. It has sections for 'Name' (set to 'Default'), 'Content' (checkboxes for 'ID' and 'Title' are checked), 'Type Conditions' (set to 'All Type'), 'Fill' (radio buttons for 'None' and 'Solid Color' are available, with a color swatch showing black), 'Size' (dimensions W: 150 and H: 50), and a 'Preview' section showing a small box with 'Task 26' and its content. At the bottom of the dialog are 'Save' and 'Cancel' buttons. To the right of the dialog, the task 'Task 26' is shown with its content '3_05 Item Definition donec luctus leo n...' and a 'Content Style' dropdown set to 'Default'. Above the preview in the dialog, there are tabs for 'General' and 'Properties'. The top navigation bar includes links for 'Welcome', 'Products v', 'Views v', 'Queries v', 'Analysis v', and 'Reports v'. The top right corner shows a user profile for 'Susan' with version numbers 'v1 v1 ?v'. The overall interface is light gray with blue highlights for selected items.

Applying a new content style:

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https://localhost:9443/jazz/relm

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Views > My Views >

ISO26262_overview

Container | Text | Image | Shapes

Content Style Editor

Name: Default Task

Content: ID Title

Type Conditions: Task

Fill: None Solid Color:

Size: W: 200 H: 50

Preview: 3.5 Item Definition

Save Cancel

General Properties

Node Task 26

Content Style: Task

Add a new style and set up the style profile on the right

The screenshot shows the ISO26262 Overview page in the Engineering Lifecycle Manager. On the left, there's a vertical process flow diagram with four steps: '3.5 Item Definition', '3.6 Initiate Safety Lifecycle', '3.7 Hazard Analysis and Risk Assessment', and '3.8 Functional Safety Concept'. In the center, the 'Content Style Editor' dialog is open, allowing users to define styles for specific content types like 'Task'. On the right, a preview panel shows a 'Node' labeled 'Task 26' with its style settings. A callout at the bottom right encourages users to 'Add a new style and set up the style profile on the right'.

Changing the style of the container:

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla FireFox
https://localhost:9443/jazz/relm

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Automated Meter Reader

Welcome Products v Views v Queries v Analysis v Reports v

Views > My Views >

ISO26262_overview

Container Text Image Shapes

3.5 Item Definition
3.6 Initiate Safety Lifecycle
3.7 Hazard Analysis and Risk Assessment
3.8 Functional Safety Concept

Color Picker

Container

Query

Query ID: Task

Type Value Actions

Add

Layout and Size

Column: Row:

Width: Height:

Margin:

Spacing: ↔ ↔

Style

Stroke: 2 pt #b6def3

Fill: #f6fbfe

changing the fill and stroke colors of the container

The screenshot shows a web-based engineering lifecycle management application. On the left, there's a vertical stack of four rounded rectangular boxes labeled 3.5 Item Definition, 3.6 Initiate Safety Lifecycle, 3.7 Hazard Analysis and Risk Assessment, and 3.8 Functional Safety Concept. In the center, a 'Color Picker' dialog box is open, displaying a color gradient from light blue to dark teal. It includes numerical values for RGB (r: 159, g: 222, b: 238) and HSL (h: 192°, s: 33%, v: 93%), and a hex code (#9fddeee). At the bottom of the color picker are 'OK' and 'Cancel' buttons. To the right of the color picker is a 'Container' configuration panel. This panel has tabs for 'General' and 'Properties'. Under 'General', there's a preview icon of a white rectangle, a 'Query' section with a 'Task' ID, and a 'Layout and Size' section with fields for column, row, width, height, margin, and spacing. Under 'Properties', there's a 'Style' section with 'Stroke' and 'Fill' settings. A blue arrow points from the text 'changing the fill and stroke colors of the container' towards the 'Style' section of the properties panel.

https://localhost:9443/jazz/relm

Automated Meter Reader

Welcome Products v Views v Queries v Analysis v Reports v

Views > My Views >

ISO26262_overview

Container | Text | Image | Shapes

```
graph TD; A[3.5 Item Definition] --> B[3.6 Initiate Safety Lifecycle]; B --> C[3.7 Hazard Analysis and Risk Assessment]; C --> D[3.8 Functional Safety Concept]
```

General Properties

Container

Query

Query ID: Task

Query Parameters:

Type	Value	Actions

Add

Layout and Size

Column: [] Row: []

Width: [] Height: []

Margin: []

Spacing: [] []

Style

Stroke: 2 pt #b6def3

Fill: #f6fbfe

Save Cancel

Drag and drop text editing: when a text is added, enable the text input for direct editing.

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla FireFox
<https://localhost:9443/jazz/relm>

Automated Meter Reader

Welcome Products v Views v Queries v Analysis v Reports v

Views > My Views >

ISO26262_overview

Container | Text | Image | Shapes

3. Conc

3.5 Item Definition

3.6 Initiate Safety Lifecycle

3.7 Hazard Analysis and Risk Assessment

3.8 Functional Safety Concept

Susan v l v l ? v

Search Artifacts

General Properties

Text

Text: 3. Conc

Font: Arial 14 pt

B I U

Stroke: 2 pt

Link: URL

Action:

Save Cancel

```
graph TD; A[3. Conc] --> B[3.5 Item Definition]; B --> C[3.6 Initiate Safety Lifecycle]; C --> D[3.7 Hazard Analysis and Risk Assessment]; D --> E[3.8 Functional Safety Concept]
```

Choose panel to be docked on the bottom:

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla FireFox
<https://localhost:9443/jazz/realm>

Automated Meter Reader

Welcome Products v Views v Queries v Analysis v Reports v

Views > My Views >

ISO26262_overview

Header Container | Container | Text | Image | Shapes

3. Concept

- 3.5 Item Definition
- 3.6 Initiate Safety Lifecycle
- 3.7 Hazard Analysis and Risk Assessment
- 3.8 Functional Safety Concept

4. Product Development: System level

- 4.5 Initiate Systems-Level Product Develop...
- 4.6 Specification of Technical Safety
- 4.7 System Design
- 4.8 Item Integration and Testing
- 4.9 Safety Validation
- 4.10 Develop Functional Safety Assessment
- 4.11 Develop Release for Product Report

7. Production and O

- 7.5 Production
- 7.6 Operations, Service, and Decommission

General Properties

Name: ISO26262_overv

✓ Dock on right

Dock on bottom

Description:

Parameter

Type	Value	Mandatory	Actions
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Connections

Type	Description	Actions
Blocks	block workitems	

Keeping the same layout when docking on the bottom. The user needs to scroll up and down.

ISO26262 Overview - Engineering Lifecycle Manager - Mozilla FireFox
<https://localhost:9443/jazz/relm>

Automated Meter Reader

Welcome Products Views Queries Analysis Reports

Susan v1 v1

Views > My Views >

ISO26262_overview

Container Text Image Shapes

3.5 Item Definition

3.6 Initiate Safety Lifecycle

3.7 Hazard Analysis and Risk Assessment

Save Cancel

General Properties

Container

Query

Query ID: Task

Query Parameters:

Type	Value	Actions
------	-------	---------

```
graph TD; A[3.5 Item Definition] --> B[3.6 Initiate Safety Lifecycle]; B --> C[3.7 Hazard Analysis and Risk Assessment];
```