

IBM Architecture Room LIVE!

Version 9.7

User Guide

Sep 25, 2018



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Administration - Startup

- ▶ Install the IBM Architecture Room LIVE! application. For installation information, see the installation document (IBM_Architecture_Room_LIVE_Vxxxx.pdf, where Vxxxx is the version such as V9.7) that comes along with the product package.
- ▶ Can be installed on both Windows x64 and Linux x64 platforms.
- ▶ Supports the following web browsers:

- Windows:

- Chrome
- Firefox v57 and later

Note: Although the Edge browser is supported, you might find some features not working as expected currently.

- OS X

- Chrome
- Firefox v57 and later
- Safari

Administration – Starting the application

- ▶ In a web browser, launch IBM Architecture Room LIVE! using the following URL:

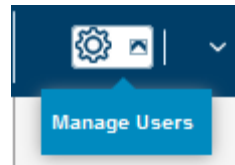
<https://<server name>/index.html>

- ▶ Login using the built-in admin user:

- Username: admin
- Password: password

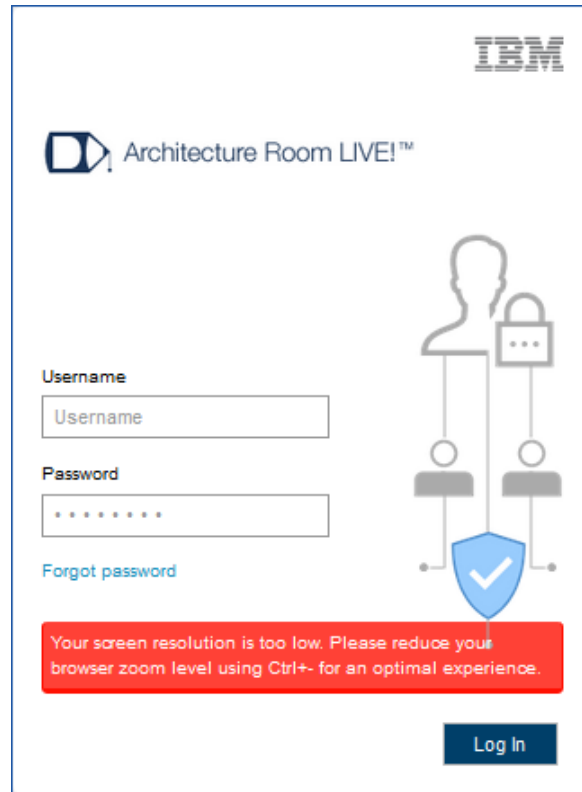


- Create Users using the Manage Users menu:



Administration – setting screen resolution

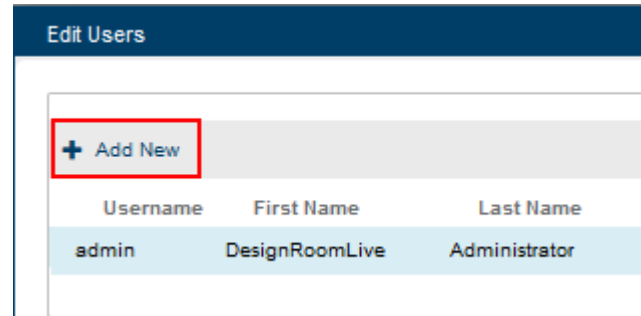
- ▶ IBM Architecture Room LIVE! is designed for displays with 1920x1080 (or (1080p) resolution. Using a display with a resolution lower than this will result in a less than optimal experience. User will be shown a warning on the Login dialog for lower resolutions.
- ▶ Use the Ctrl and + keys or Ctrl and – keys to adjust the browser zoom level.



The screenshot shows the login interface for IBM Architecture Room LIVE!™. At the top right is the IBM logo. Below it is the product name with a small icon. The login form includes a 'Username' field, a 'Password' field with masked characters, and a 'Forgot password' link. To the right of the form is an illustration of a person with a padlock icon. At the bottom right is a 'Log In' button. A red warning box at the bottom of the form contains the text: 'Your screen resolution is too low. Please reduce your browser zoom level using Ctrl+- for an optimal experience.'

Administration – Creating users

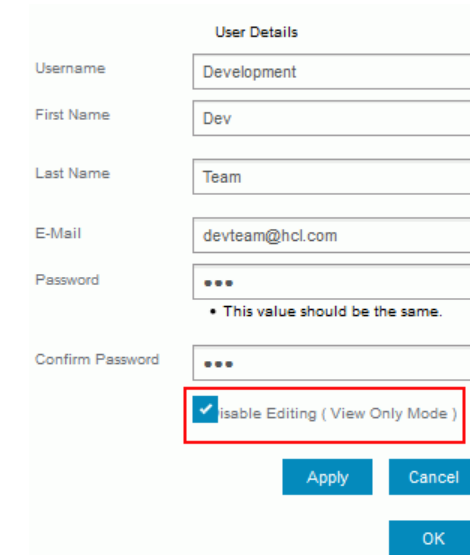
- ▶ Click on Add New:



The screenshot shows a web interface titled "Edit Users". Below the title is a table with three columns: "Username", "First Name", and "Last Name". The first row of the table contains the values "admin", "DesignRoomLive", and "Administrator". Above the table, there is a button labeled "+ Add New" which is highlighted with a red rectangular box.

- ▶ Fill in User details and Click apply to create the User:

- ▶ Note: The Username must be unique



The screenshot shows a "User Details" form. It contains several input fields: "Username" (filled with "Development"), "First Name" (filled with "Dev"), "Last Name" (filled with "Team"), "E-Mail" (filled with "devteam@hcl.com"), "Password" (masked with "•••"), and "Confirm Password" (masked with "•••"). Below the password fields, there is a checkbox labeled "Disable Editing (View Only Mode)" which is checked and highlighted with a red rectangular box. At the bottom of the form, there are three buttons: "Apply", "Cancel", and "OK".

Administration – View-only access to users

- ▶ Administrator provides the profile access to the users, such as edit or view only accesses based on the requirement:
- ▶ Based on the selection of “Disable Editing (View Only Mode)” check box, a user gets the edit or view access.

The image shows a 'User Details' form with the following fields and values:

- Username: Development
- First Name: Dev
- Last Name: Team
- E-Mail: devteam@hcl.com
- Password: (masked with dots)
- Confirm Password: (masked with dots)

Below the password fields, there is a note: "• This value should be the same."

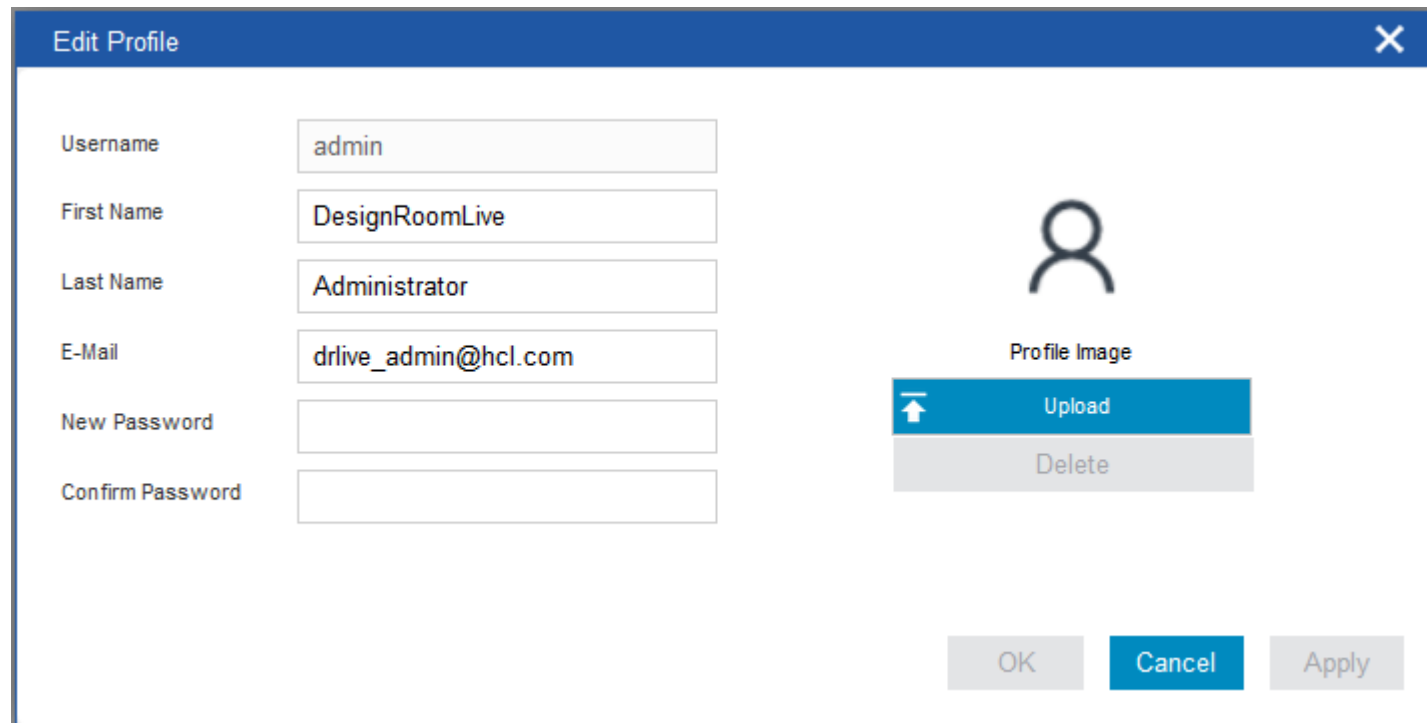
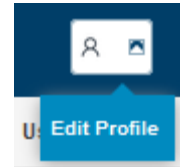
The checkbox for "Disable Editing (View Only Mode)" is checked and highlighted with a red box.

At the bottom of the form, there are three buttons: "Apply", "Cancel", and "OK".

Note: If you have a view-only access, then you can view and switch between whiteboards, edit your profile, perform searches, present or follow presentations, and zoom and pan across the whiteboards; but you cannot edit, transform, or delete the whiteboards.

Administration – Profile Picture

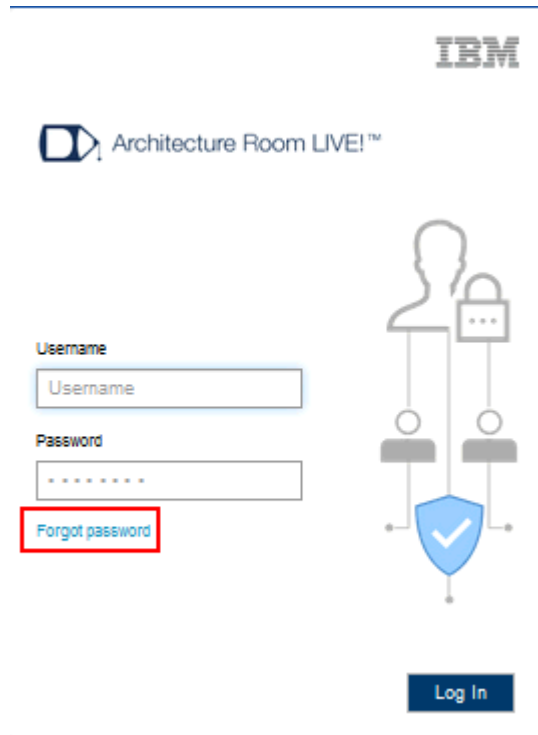
- ▶ Each user should assign their Profile picture after logging in using Edit Profile menu:

A screenshot of the 'Edit Profile' dialog box. The dialog has a blue header with the title 'Edit Profile' and a close button. On the left, there are input fields for 'Username' (admin), 'First Name' (DesignRoomLive), 'Last Name' (Administrator), 'E-Mail' (drive_admin@hcl.com), 'New Password', and 'Confirm Password'. On the right, there is a profile image placeholder (a person icon) and a section labeled 'Profile Image' with 'Upload' and 'Delete' buttons. At the bottom, there are 'OK', 'Cancel', and 'Apply' buttons.

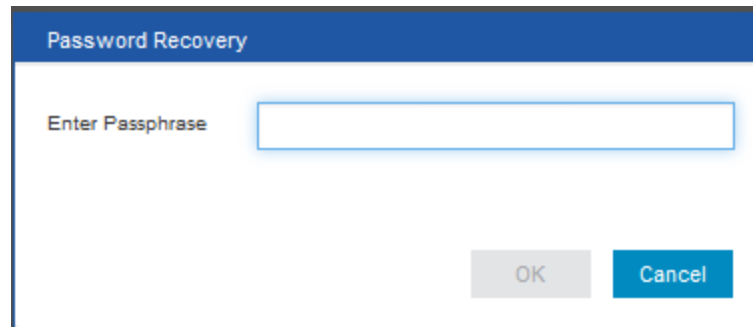
- ▶ Note: Use images approximately 300x300 pixels

Administration – reset administrator password

- ▶ Administrator can reset his password by clicking the Forgot password link. Administrator will be prompted to provide the secure passphrase that is provided in the configuration file. If the passphrase matches, then the administrator can log in. After logging in, he can change the password.



The image shows the login interface for IBM Architecture Room LIVE!™. It features the IBM logo at the top right. Below the logo is the product name "Architecture Room LIVE!™" with a small icon. There are two input fields: "Username" and "Password". The "Forgot password" link is highlighted with a red rectangle. To the right of the input fields is a graphic showing a person icon, a lock icon, and a shield icon with a checkmark. At the bottom right is a "Log In" button.



The image shows a "Password Recovery" dialog box. It has a title bar "Password Recovery". Inside, there is a label "Enter Passphrase" followed by a text input field. At the bottom right are two buttons: "OK" and "Cancel".

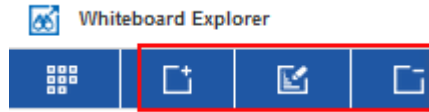
Keyboard shortcuts


- ▶ Use the keyboard shortcuts to create or edit content or to navigate easily across the whiteboard.

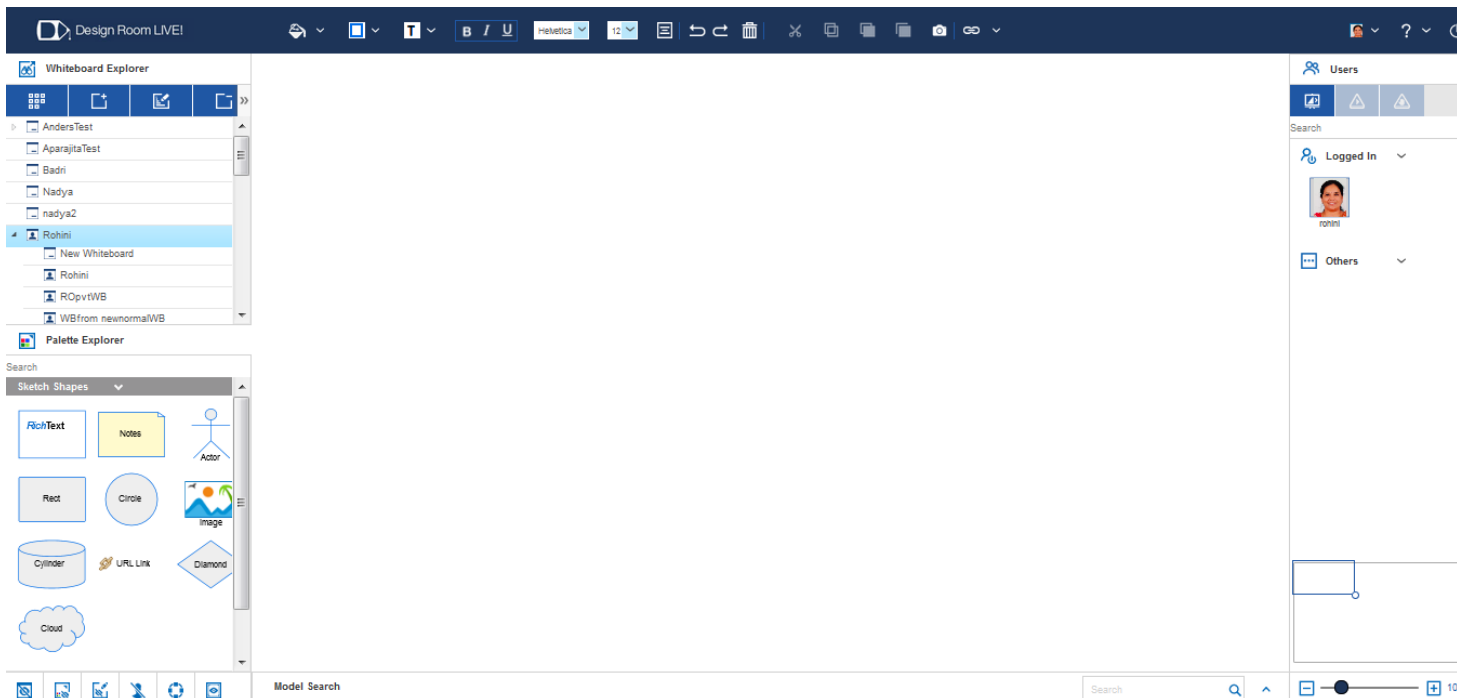
Keyboard shortcuts	Functions
Alt+t	Toggle between whiteboard explorer window and the whiteboard area
Alt+n	Create whiteboard
Alt+Delete	Delete whiteboard
Alt+r	Edit whiteboard
Alt+o	Whiteboard overview
Alt+w	Show/Hide whiteboard explorer toolbar
Alt+p	Show/Hide stencil
Alt+c	Show/Hide control toolbar
Alt+u	Show/Hide user
Alt+m	Show/Hide connection point
Alt+h	Show/Hide highlight elements
Alt+s	Go to search

Whiteboards

- ▶ Whiteboards can be created/deleted/edited using the Whiteboards toolbar at the top left:



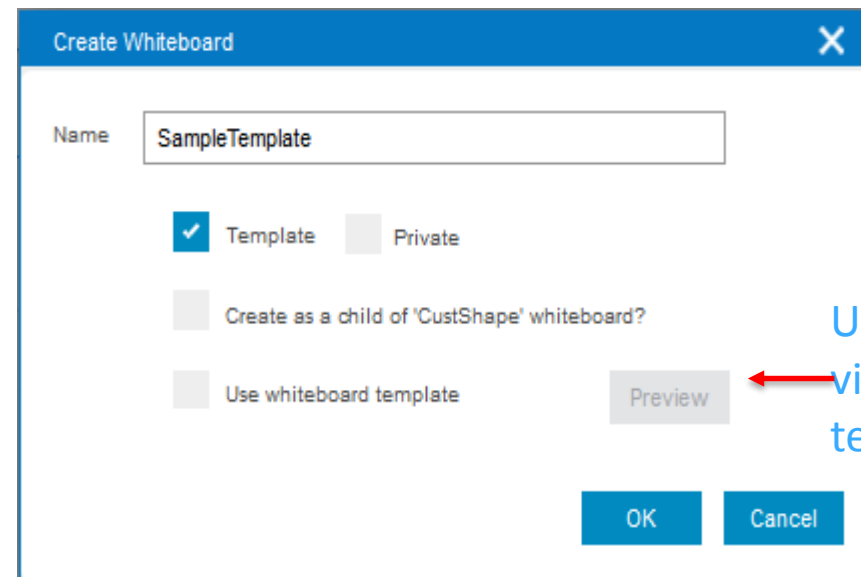
- ▶ Use the  icon to create the first whiteboard.
- ▶ This will create and open the new whiteboard.



Whiteboards – whiteboard templates

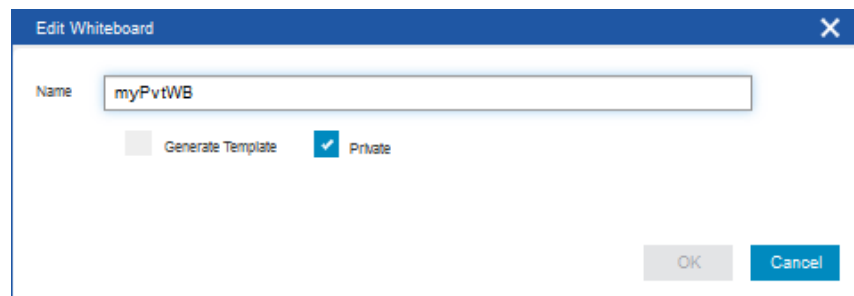
- ▶ You can create your own whiteboard templates from the scratch or use an existing pre-defined or sample whiteboard templates to create new whiteboard templates. If you plan to base your new template on an existing template, then you must select the “Use whiteboard templates” check box and choose a template from the list.

Note: A whiteboard template cannot have a child template, hence the **Create a child of "X" whiteboard** check box is disabled when the Template check box is selected.



Use the Preview button to view the list of available templates.

- ▶ You can also convert an existing whiteboard into a template.



Whiteboards – private whiteboards

- ▶ You can create private whiteboards and templates to work on your own workspace, which will not be visible to other users. This is useful when you want to work in private, you are working on confidential content that you do not want other users to view, or you are working on a proof of concept that you do not want others to view yet, etc. Private whiteboards have a unique icon for identification.

Create Whiteboard

Name: myPvtWB

☐ Template ☒ Private

Username	First Name	Last Name

☐ Create as a child of 'thisisfortestingexport' whiteboard?

☐ Use whiteboard template Preview

OK Cancel

Whiteboards – sharing private whiteboards with other users

- ▶ Optionally, you can provide access to other users, who can view or edit your private whiteboard based on their user profile. A list of available users is populated to choose from.

Create Whiteboard

Name: myPvtWB

☐ Template ☒ Private

<input type="checkbox"/>	Username	First Name	Last Name
<input checked="" type="checkbox"/>	sandeep	Sandeep	Katoch
<input type="checkbox"/>	anders	Anders	Ek
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

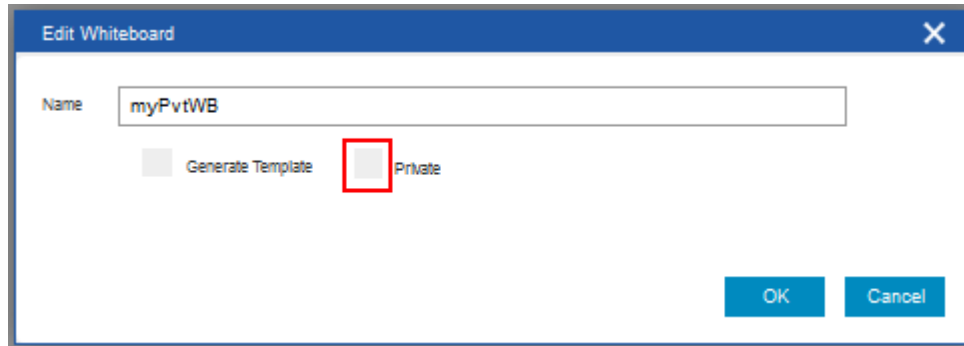
☐ Create as a child of 'Whiteboard Templates' whiteboard?

OK Cancel

- ▶ You can revoke or provide access to other users, that can view or edit your private whiteboard based on their user profile. The check box that is selected against users indicate the current users that have access to the private whiteboard.

Whiteboards – convert private to public whiteboard

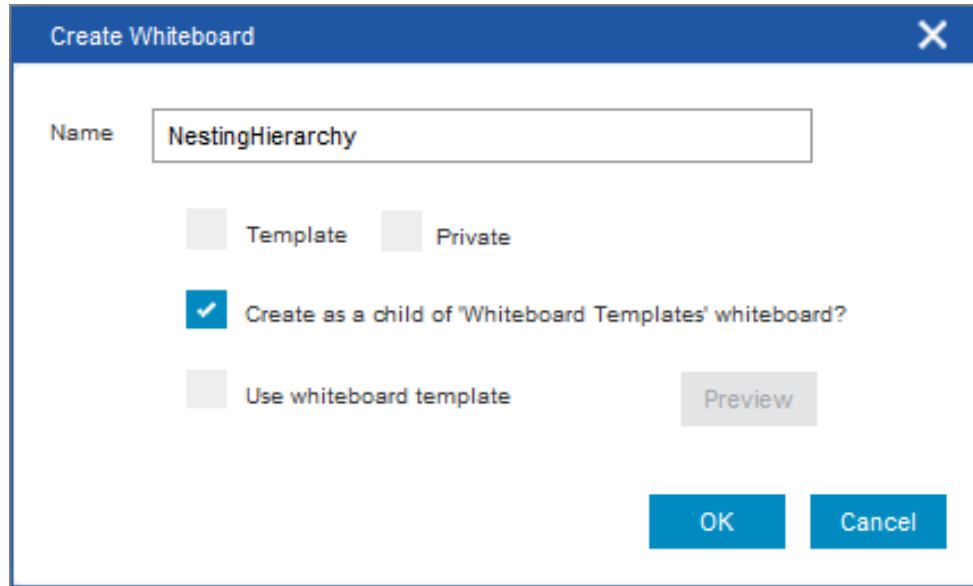
- ▶ You can convert your private whiteboard to public and vice versa at any point in time. Clear the “Private” check box to change the private whiteboard to public whiteboard.



The screenshot shows a dialog box titled "Edit Whiteboard". It features a text input field labeled "Name" containing the text "myPvtWB". Below this field are two checkboxes: "Generate Template" and "Private". The "Private" checkbox is currently checked and is highlighted with a red square. At the bottom right of the dialog are two buttons: "OK" and "Cancel".

Whiteboards – Nesting / Hierarchy

- ▶ When creating a whiteboard you can create it as a child of the current whiteboard:



The 'Create Whiteboard' dialog box shows the following options:

- Name: NestingHierarchy
- ☐ Template
- ☐ Private
- ☒ Create as a child of 'Whiteboard Templates' whiteboard?
- ☐ Use whiteboard template
- Preview button
- OK and Cancel buttons

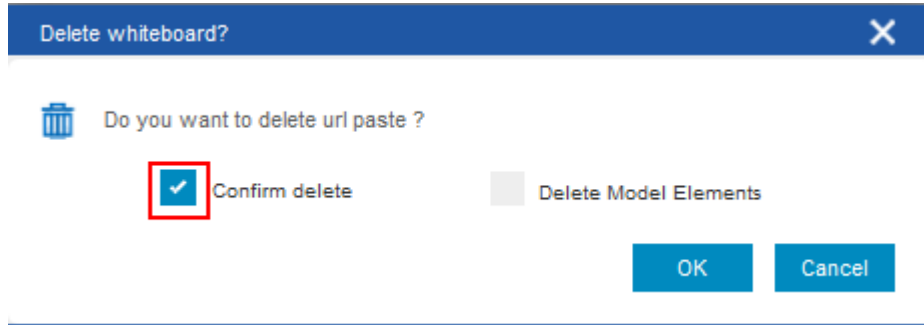
- ▶ You can also change the hierarchy of whiteboards using drag and drop on the whiteboards pane:



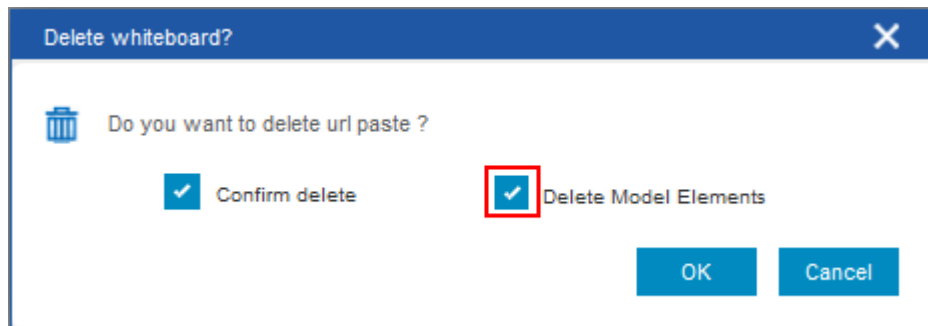
Note: Please use slideshow mode for this slide to view the animation

Whiteboards – Deleting whiteboards and their model elements

- ▶ You can delete whiteboards using the “Delete whiteboard” icon on the Whiteboard explorer. A dialog box appears asking for your confirmation.



- ▶ You can also delete the underlying model elements that are referred by the shapes on the whiteboard by choosing the “Delete Model Elements” check box.

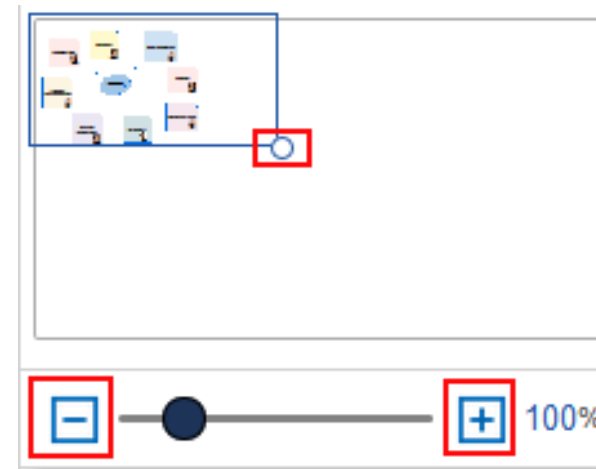


- ▶ **NOTE:** If the model elements in the deleted whiteboard have references in any other whiteboard, that is if they are used in some other whiteboards, then the model elements are not deleted. Only the view of those model elements in this whiteboard is deleted.

Note: Please use slideshow mode for this slide to view the animation

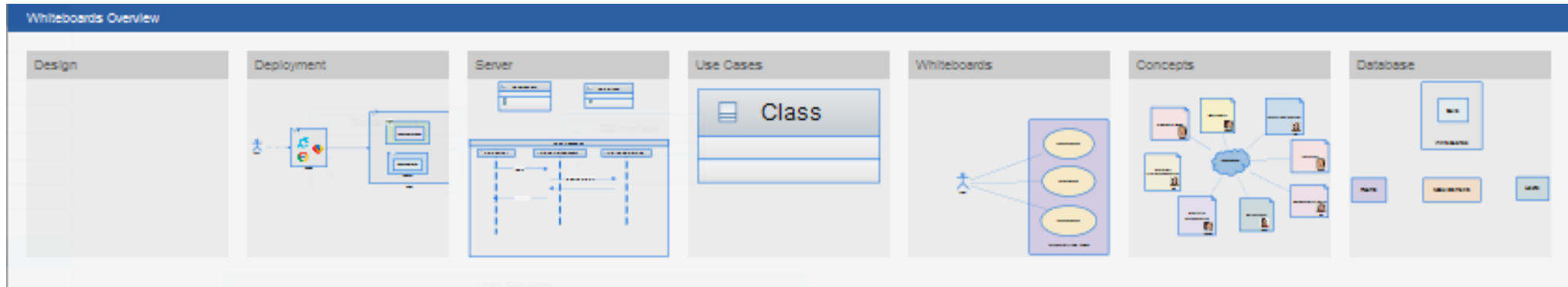
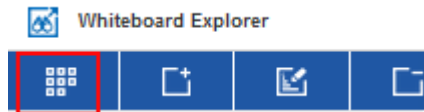
Whiteboards – Pan / Zoom

- ▶ You can pan around a Whiteboard by:
 - Holding down middle mouse button and dragging on an empty area of the whiteboard
 - Or by clicking on the Navigator window in the bottom right
- ▶ You can Zoom In/out by:
 - Dragging the small circle in the Navigator window.
 - Using the Zoom toolbar at bottom.
- ▶ Besides using the mouse, touchpad, and touchscreen, you can use the arrow or cursor movement keys on the keyboard to move the shapes on the whiteboard.



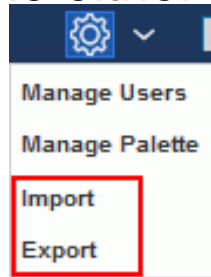
Whiteboards - Overview

- ▶ You can get an overview of all Whiteboards using the Whiteboards overview button on the toolbar at the top left:

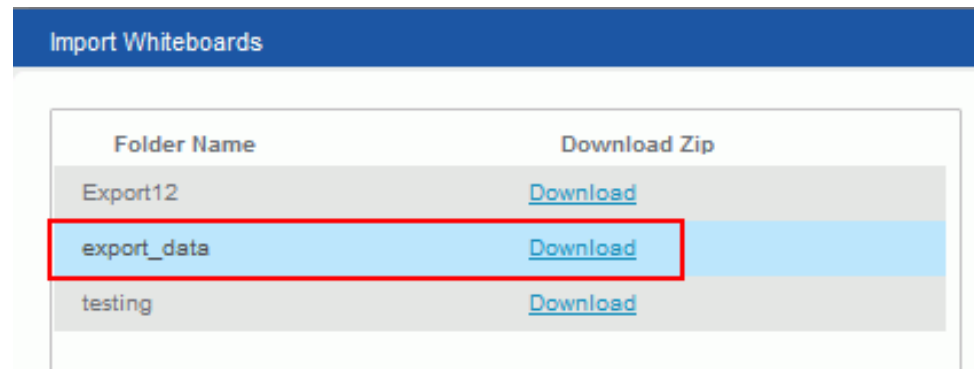
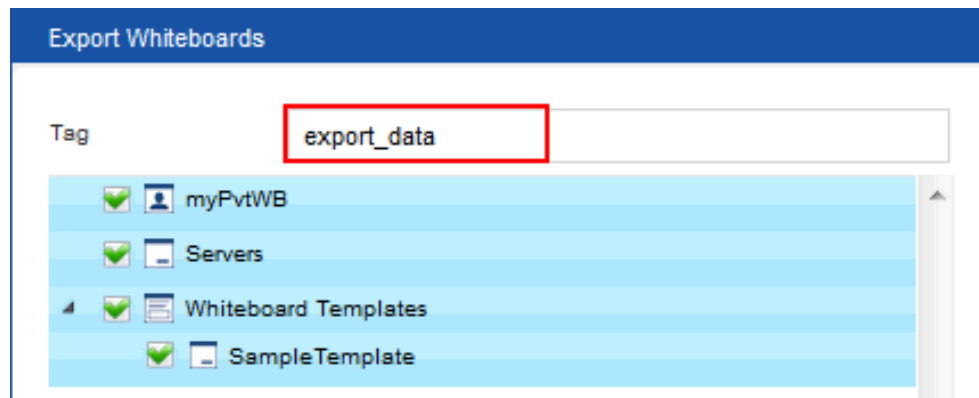


Export and Import - Whiteboards and Users

- ▶ Only the administrator has the authority to export or import whiteboards and users. The export and import feature is primarily useful for backing up and restoring data.
- ▶ Exporting and importing data can be done either from the command line or by using the menu options available in the user interface.

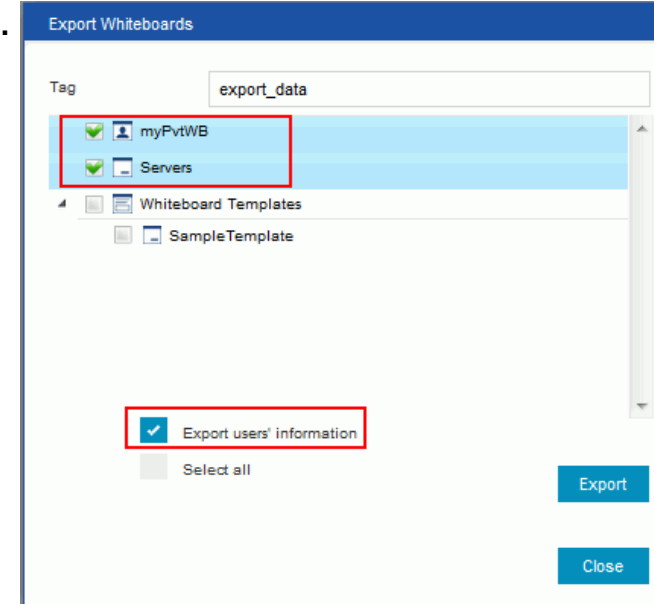


- ▶ A valid and intuitive tag name is important while exporting or importing whiteboards or users; the tag name then is used as the name of the folder where the data is stored.

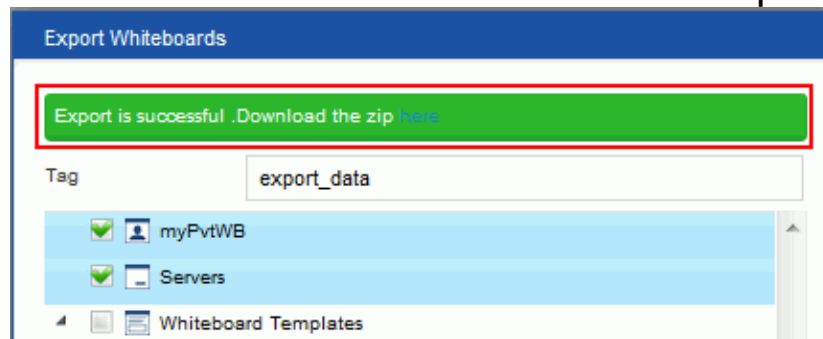


Exporting Whiteboards and Users (contd..)

- ▶ You can export the whiteboards and users together or separately. All the whiteboards and templates are selected to be exported by default. Clear the **Select all** check box if you do not want to export all data, and then select the whiteboards and templates that you want to export individually from the list.

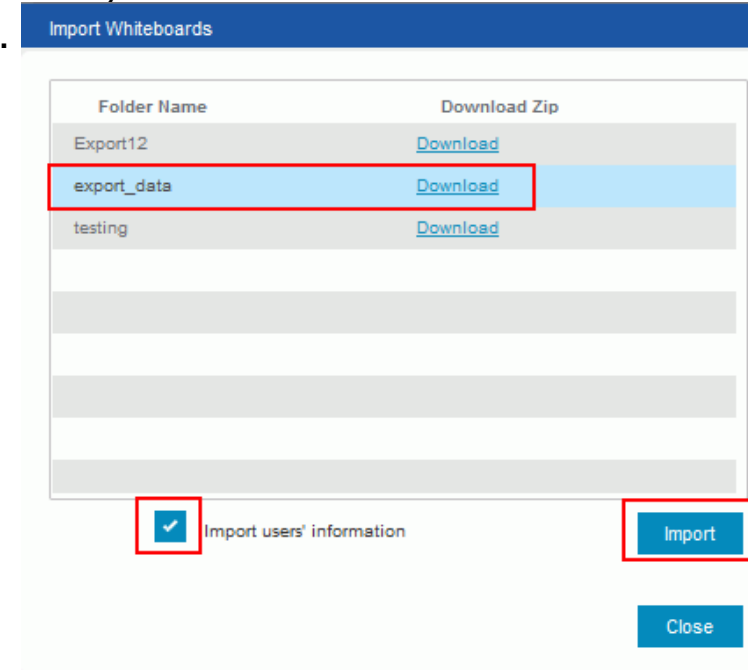


- ▶ A message is displayed after the export is successfully completed. There is also a download link to the data that is exported. You can click the link to download the exported data in the zip file format.



Importing Whiteboards and Users

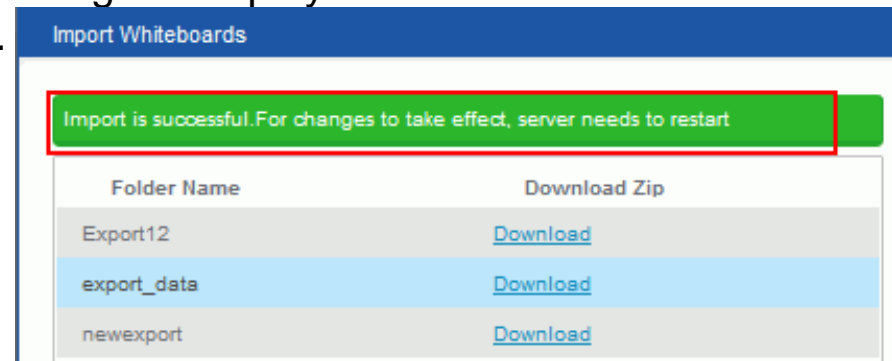
- ▶ You can import the whiteboards and users together or separately. View the list of folders that contain the previously exported data and select the folder that you want to import.



Folder Name	Download Zip
Export12	Download
export_data	Download
testing	Download

☒ Import users' information Import Close

- ▶ Once the import process is complete, a message is displayed to state the success of the operation. You can also use the Download link to download the zip file.

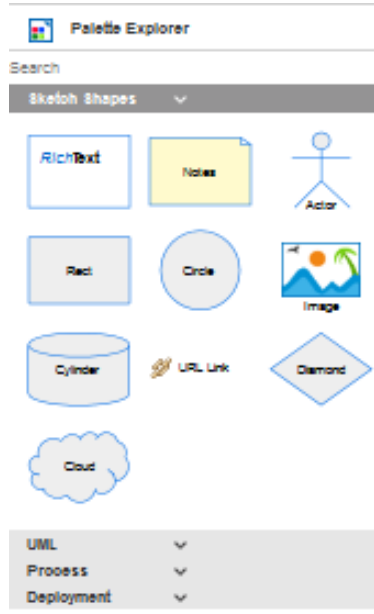


Import is successful. For changes to take effect, server needs to restart

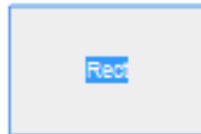
Folder Name	Download Zip
Export12	Download
export_data	Download
newexport	Download

Shapes

- ▶ Drag and drop shapes from the Stencil on the left to create them on the Whiteboard



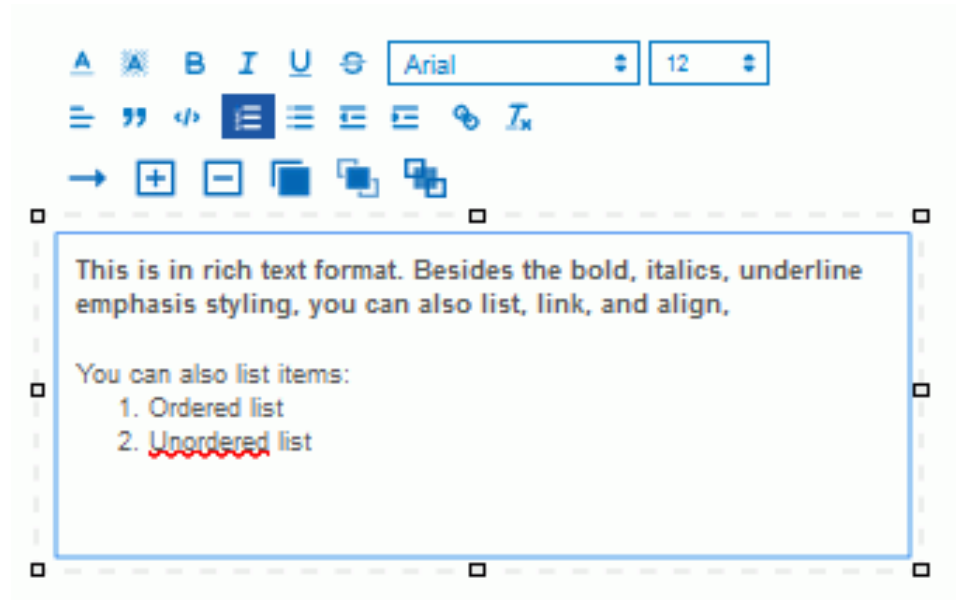
- ▶ You can edit the name of the shape immediately after dropping it on the whiteboard (just start typing)



- ▶ To Edit the label of an existing shape, just double-click on it
- ▶ When you create a shape, a Model Element is created automatically for it

Shapes – Rich Text note

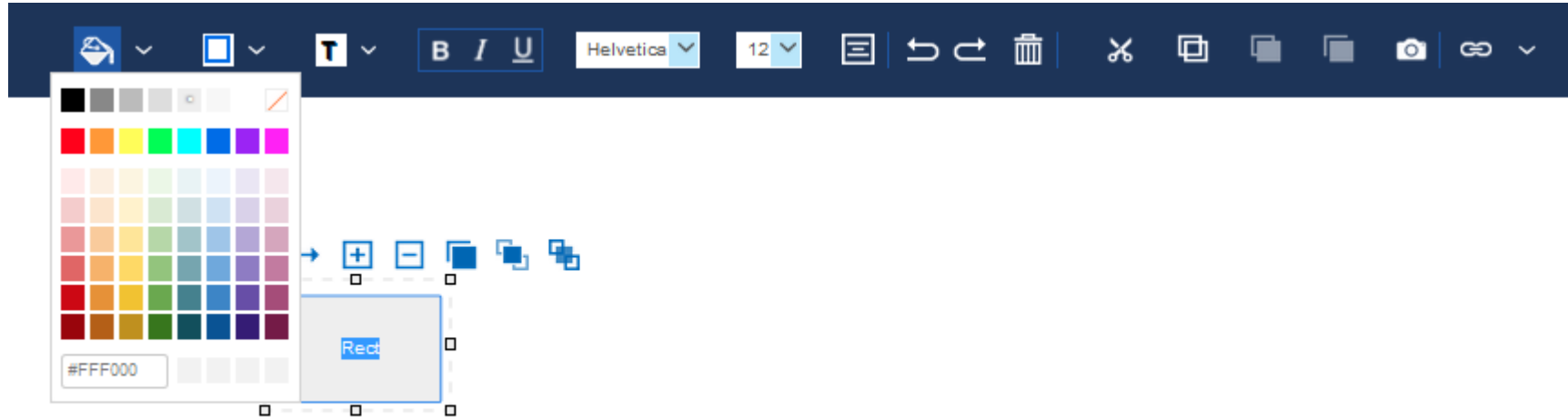
- ▶ Rich Text note is added with enriched text formatting options. Besides emphasizing the text with bold, italics, underline, strikethrough, and quotation mark options, you can also list, align, link, and change the font and its size.



Limitation: The display of the Rich Text note shape might not be as expected on Chrome browsers and on monitors with screen resolutions other than the recommended 1920 x 1080 pixels.

Shapes - Formatting

- ▶ Change the formatting of the shape by selecting it and using the top toolbar:



Shapes – Copy and Duplicate

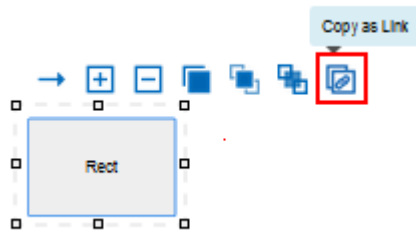
- ▶ You can either create a “Copy” of a shape or “Duplicate” it using the toolbar above the shape:



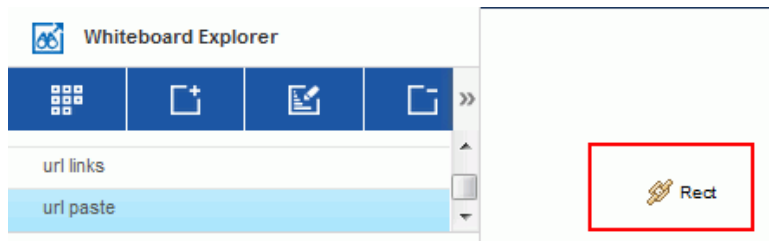
- ▶ “Copy” creates a new “view” of the same shape (same Model Element)
 - E.g. if you re-name the original, the “Copy” view also get re-named automatically
 - Note: Each view preserves its own formatting
- ▶ “Duplicate” create a completely new shape (and new Model Element)

Shapes - Copying the shape as a link for reuse

- ▶ You can make a copy of the shape as a link and paste it another whiteboard, which can provide an easy navigation back to the shape. to allow quicker navigation to the shape.
- ▶ Copy the link to the shape using the Halo edit icon

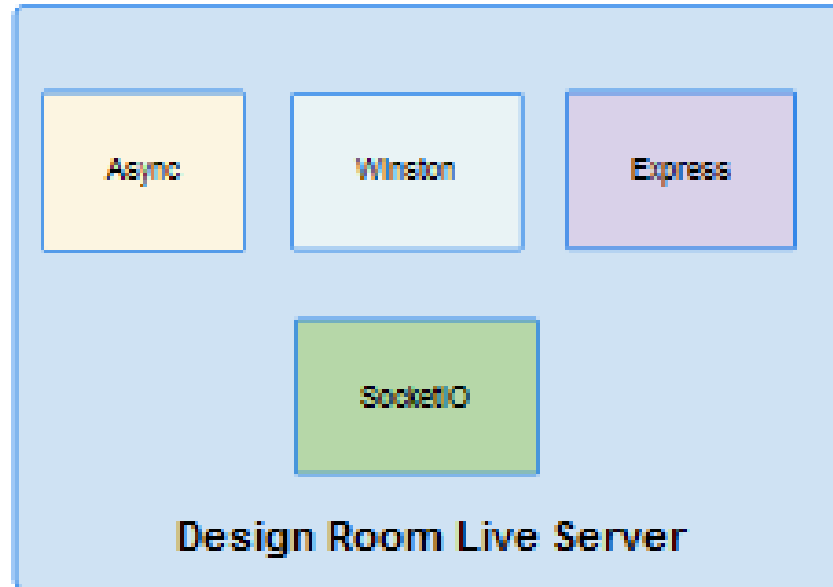


- ▶ Press Ctrl+V to paste the link in the destination whiteboard.
- ▶ This will paste the link to the shape in the Whiteboard. Click the link icon to navigate back to the shape.



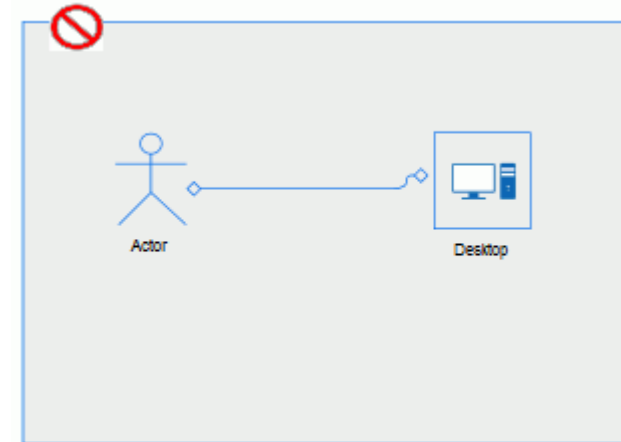
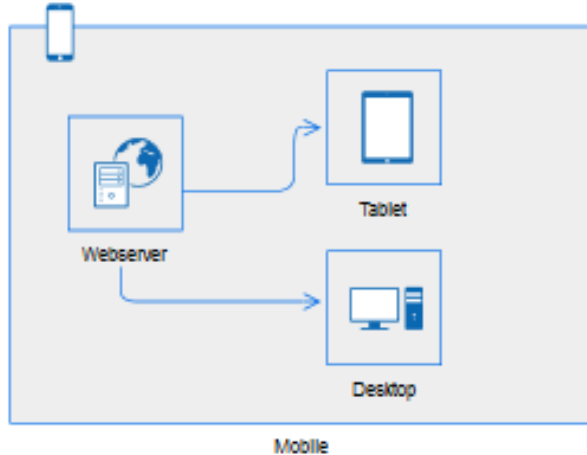
Shapes - Embedding

- ▶ You can embed shapes within other shapes, e.g. to create a High-Level Architecture Diagram
- ▶ To embed, hold down “Ctrl” key and drag one shape over another



Shapes – Embedding by using the image and deployment shapes

- ▶ Besides using the sketch shapes, you can also embed shapes within deployment shapes or an image shapes and create a High-Level Architecture Diagram. You can select an image or paste an image from the clipboard onto a whiteboard and use that image shape as a container to embed more shapes to use it as a deployment shape.



Shapes – Custom palette group

- Users with administrative privileges can create custom palettes and add custom shapes to it. The custom palette groups can be created by using the Manage Palette menu or in the Add Shape window while creating a new custom shape.

Edit Palette Groups

+ Add New ✕ Delete ↑ ↓

Palette Group Name	Type
Sketch Shapes	default
UML	default
Process	default
Deployment	default
NewCustomGroup	custom
CustomPalette	custom

Palette Group details

☒ Show in Palette Explorer

✕ Delete ↑ ↓

Shape Name	Type
Star	custom
CS	custom

Add Shape

Shape Text

Tooltip

+ Add New

Palette Group name

NewCustomGroup

CustomPalette

OK Cancel

Shapes – Editing a custom palette group

- ▶ You can search for a custom palette groups, differentiate the inbuilt and custom palette groups by their types such as “default” or “custom”, and reorder the shapes.

Edit Palette Groups

Q: Name

+ Add New

✕ Delete

↑

↓

Palette Group Name	Type
Sketch Shapes	default
UML	default
Process	default
Deployment	default
NewCustomGroup	custom
CustomPalette	custom

Palette Group details

Q: Name

✕ Delete

↑

↓

Shape Name	Type
Star	custom
CS	custom

Shape details

☒ Show in Palette Explorer

Shape Text

Tooltip


Restore to default groups

(Note: Deletes custom groups and shapes)

OK

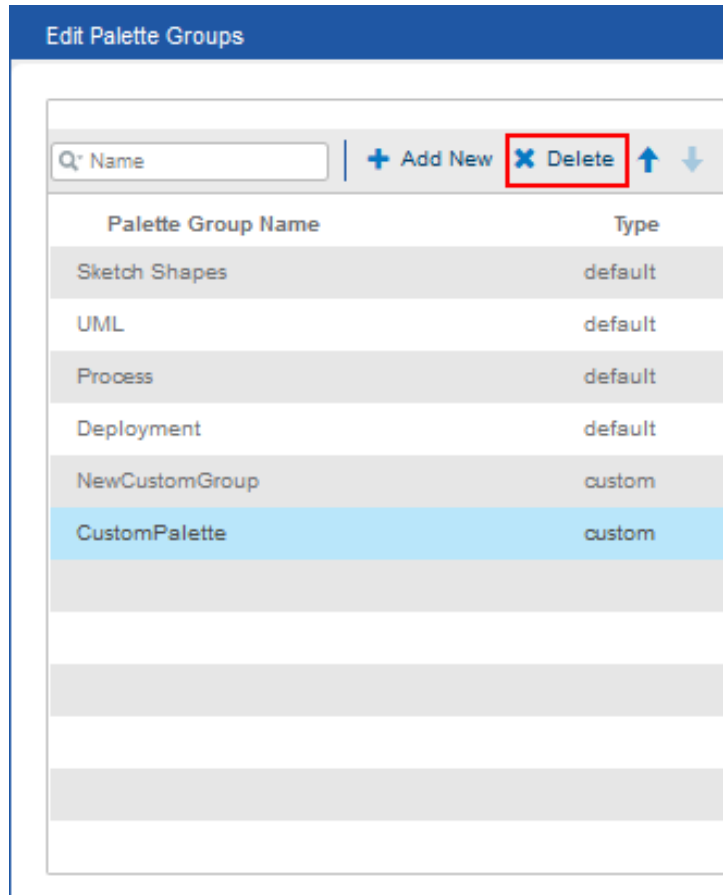
Cancel

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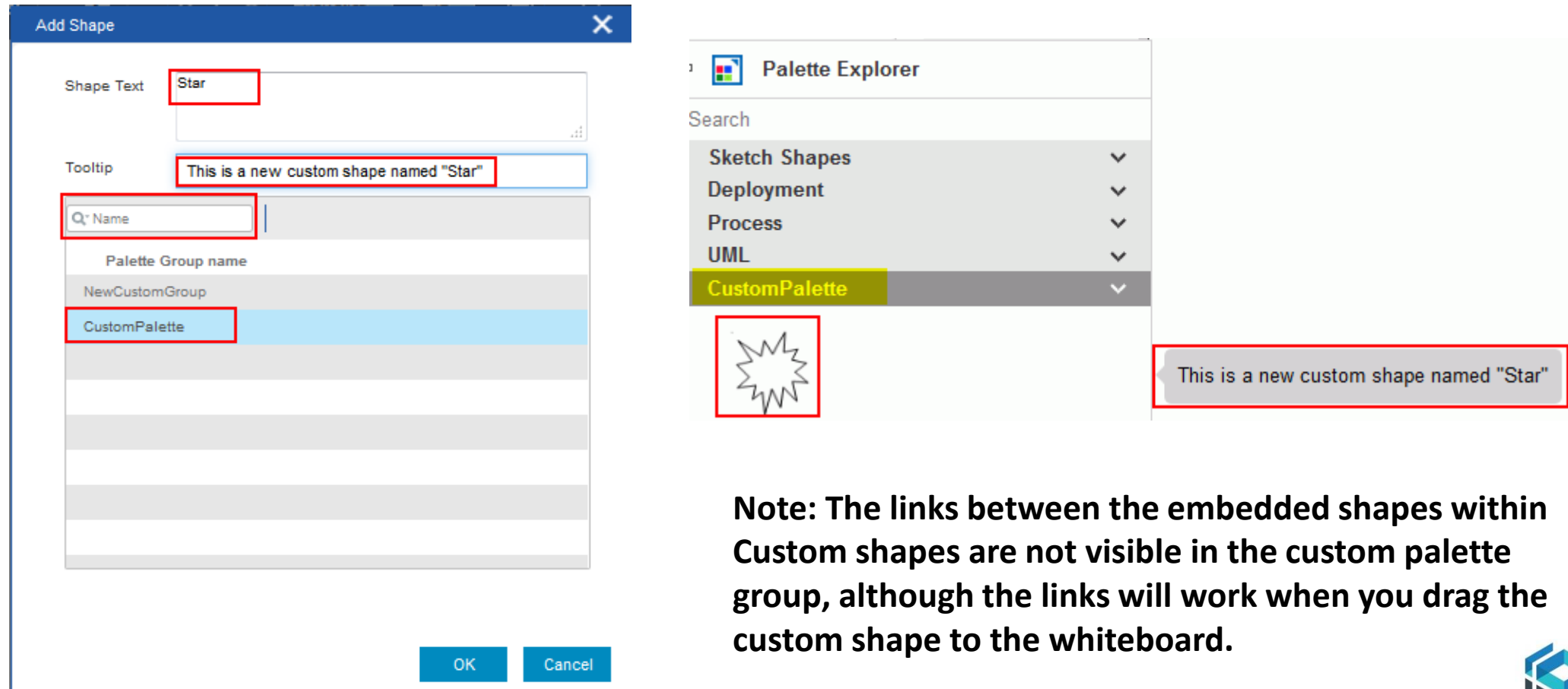
Shapes – Deleting a custom palette group

- ▶ User with the administrative rights alone can delete a custom palette group using the Manage Palette menu. Deleting the palette group deletes it from the Palette Explorer view.



Shapes – Custom shapes

- Besides the pre-defined palettes and their shapes that are available in the Palette explorer, the administrator can create custom shapes and add them to a custom palette. You can provide an intuitive name to the custom shape that you create.



Note: The links between the embedded shapes within Custom shapes are not visible in the custom palette group, although the links will work when you drag the custom shape to the whiteboard.

Shapes – Editing custom shapes

- ▶ You can search for a custom shapes, edit the shape labels and tooltips, differentiate the inbuilt and custom palette groups by their types such as “default” or “custom”. and reorder the shapes.

The image displays three screenshots of the HCL Shapes editor interface, illustrating the process of adding, editing, and managing custom shapes.

Top Left: Add Shape Dialog

- Shape Text:** Star
- Tooltip:** This is a new custom shape named "Star"
- Q* Name:** (highlighted with a red box)
- Palette Group name:** NewCustomGroup, CustomPalette (highlighted with a blue box)
- Buttons:** OK, Cancel

Top Right: Palette Group details and Shape details

- Palette Group details:** Shows a table with columns Shape Name and Type. The first row is Star (custom). The "Show in Palette Explorer" checkbox is checked.
- Shape details:** Shows a star shape with the label Star. The Shape Text (Star) and Tooltip (This is a new custom shape named "Sta") are highlighted with a red box.

Bottom: Edit Palette Groups

- Palette Group Name:** Sketch Shapes, UML, Process, Deployment, NewCustomGroup, CustomPalette (highlighted with a blue box).
- Type:** default, default, default, default, custom, custom (highlighted with a red box).
- Buttons:** + Add New, X Delete, Move up, Move down (highlighted with a red box).
- Shape details:** Shows a circle shape with the label CS. The Shape Name (CS) and Type (custom) are highlighted with a red box.

Shapes – Deleting a custom shape

- ▶ User with the administrative rights alone can delete a custom shape. Deleting the custom shape deletes it from the custom palette group that contained it.

The screenshot shows the 'Edit Palette Groups' dialog box. On the left, a list of palette groups includes 'CustomPalette', which is selected. The 'Palette Group details' section shows a table of shapes within this group. The 'Star' shape, which is of type 'custom', is highlighted. A red box highlights the 'Delete' button in the toolbar above this table. To the right, the 'Shape details' section shows a preview of the 'Star' shape, its name 'Star', and its tooltip text: 'This is a new custom shape named "Sta'.

Edit Palette Groups

Q: Name | + Add New | X Delete | ↑ ↓

Palette Group Name	Type
Sketch Shapes	default
UML	default
Process	default
Deployment	default
NewCustomGroup	custom
CustomPalette	custom

☐ Show in Palette Explorer

Q: Name | X Delete | ↑ ↓

Shape Name	Type
Star	custom
CS	custom

Shape details

Shape Text: Star

Tooltip: This is a new custom shape named "Sta

OK Cancel

☐ Restore to default groups
(Note: Deletes custom groups and shapes)

Shapes – Resetting palette explorer view

- ▶ User with the administrative rights can reset the Palette Explorer to its original settings, that is, to remove all custom palette groups with their shapes and restore the default palette groups and their shapes.

Edit Palette Groups

Q: Name | + Add New | X Delete | ↑ ↓

Palette Group Name	Type
Sketch Shapes	default
UML	default
Process	default
Deployment	default
NewCustomGroup	custom
CustomPalette	custom

Palette Group details

☒ Show in Palette Explorer

Q: Name | X Delete | ↑ ↓

Shape Name	Type
Star	custom
CS	custom

Shape details

Star

Shape Text: Star

Tooltip: This is a new custom shape named "Sta"

☐ Restore to default groups
(Note: Deletes custom groups and shapes)

OK Cancel

Shapes – Hide/show custom palette groups

- ▶ User with the administrative rights can hide or show the palette groups in the Palette Explorer view.

Edit Palette Groups

Q: Name

+ Add New

✕ Delete

↑

↓

Palette Group Name	Type
Sketch Shapes	default
UML	default
Process	default
Deployment	default
NewCustomGroup	custom
CustomPalette	custom

Restore to default groups

(Note: Deletes custom groups and shapes)

Palette Group details

Q: Name

✕ Delete

↑


↓

Shape Name	Type
Star	custom
CS	custom

Show in Palette Explorer

☒

Shape details



Star

Shape Text

Star

Tooltip

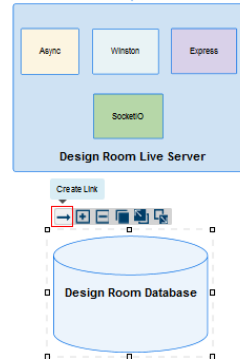
This is a new custom shape named "Sta

OK

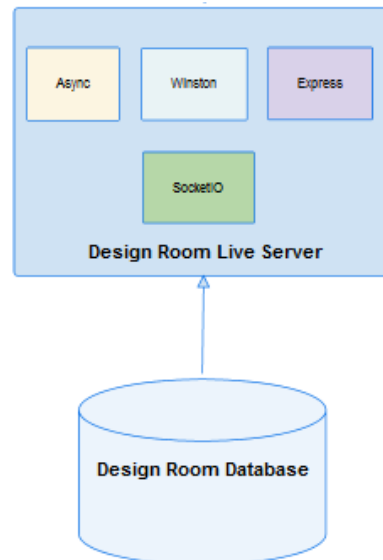
Cancel

Links

- ▶ You can create Links using the shape's toolbar:

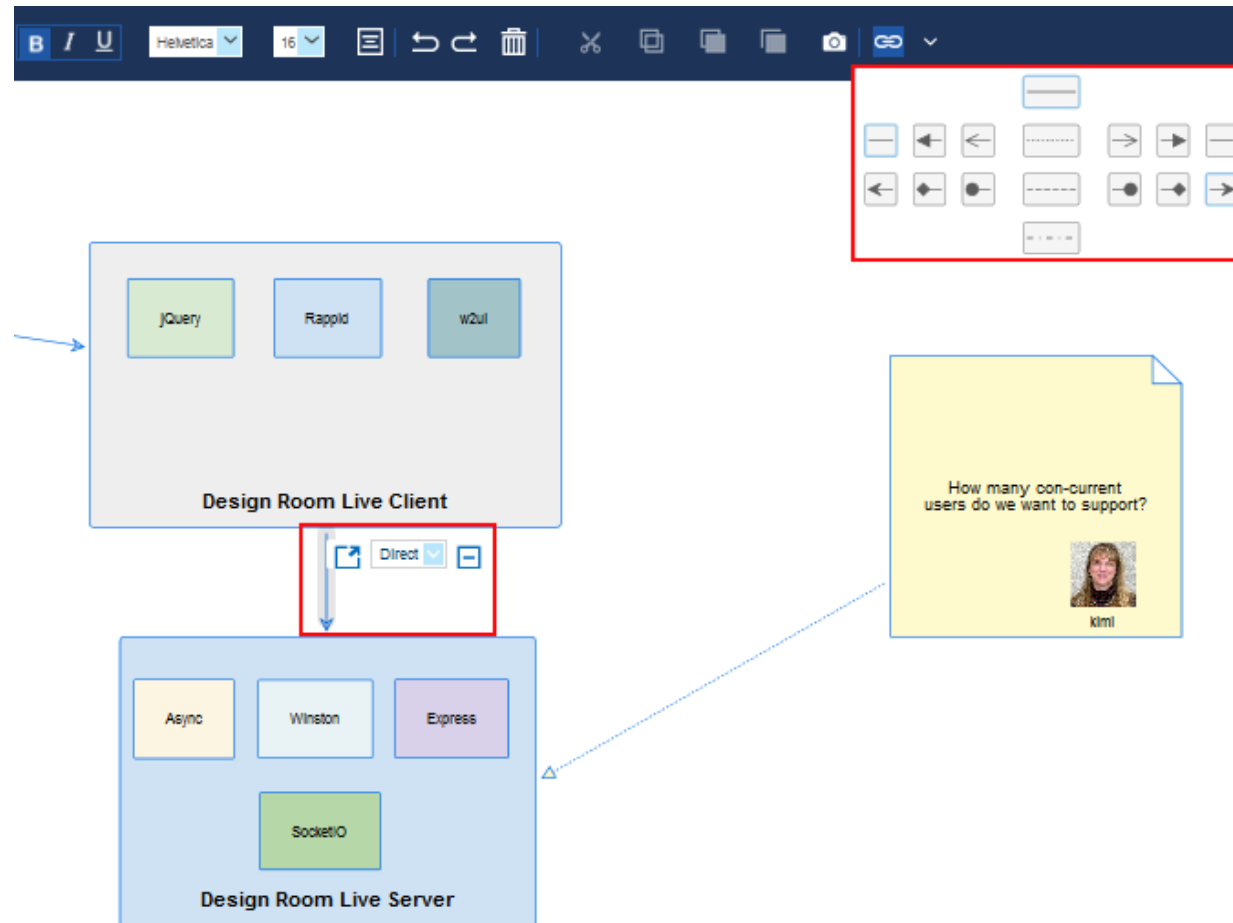


- ▶ As you move the end of the link over another shape, it will highlight the connectable points on that shape in small green circles:



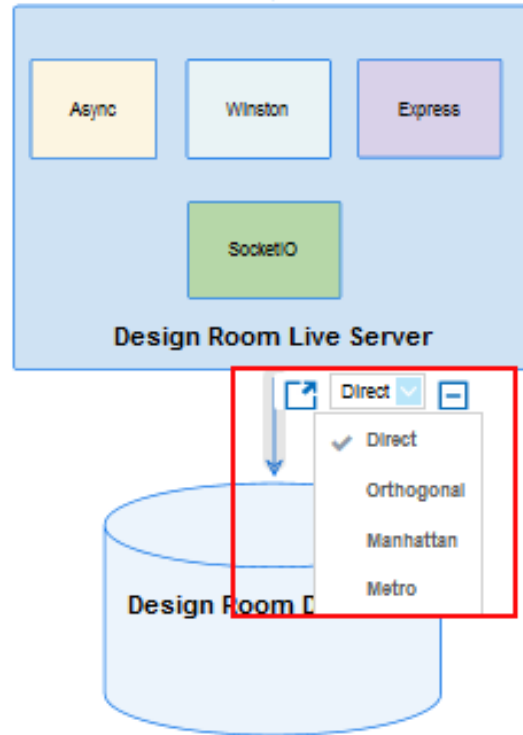
Links – Line/Arrow Style

- ▶ You can change the Link's line/arrow style by selecting a link and using the toolbar at the top:



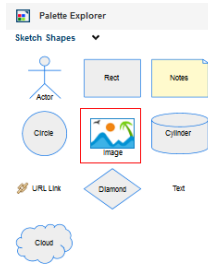
Links – Routing Style

- ▶ You can change the Link's routing style by selecting a link and using the toolbar above it:

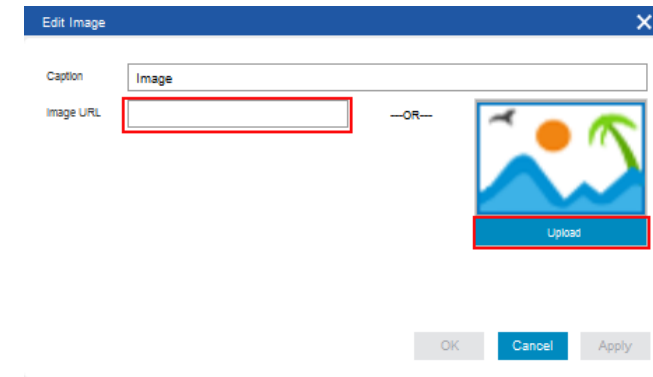


Images

- ▶ Use the Image shape from the stencil to put images on whiteboards

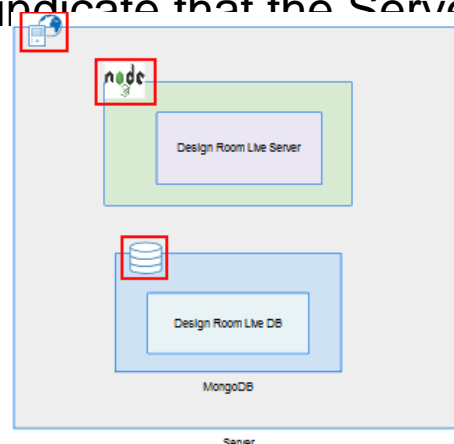


- ▶ You can either provide the URL to Image or Upload an image from your Computer



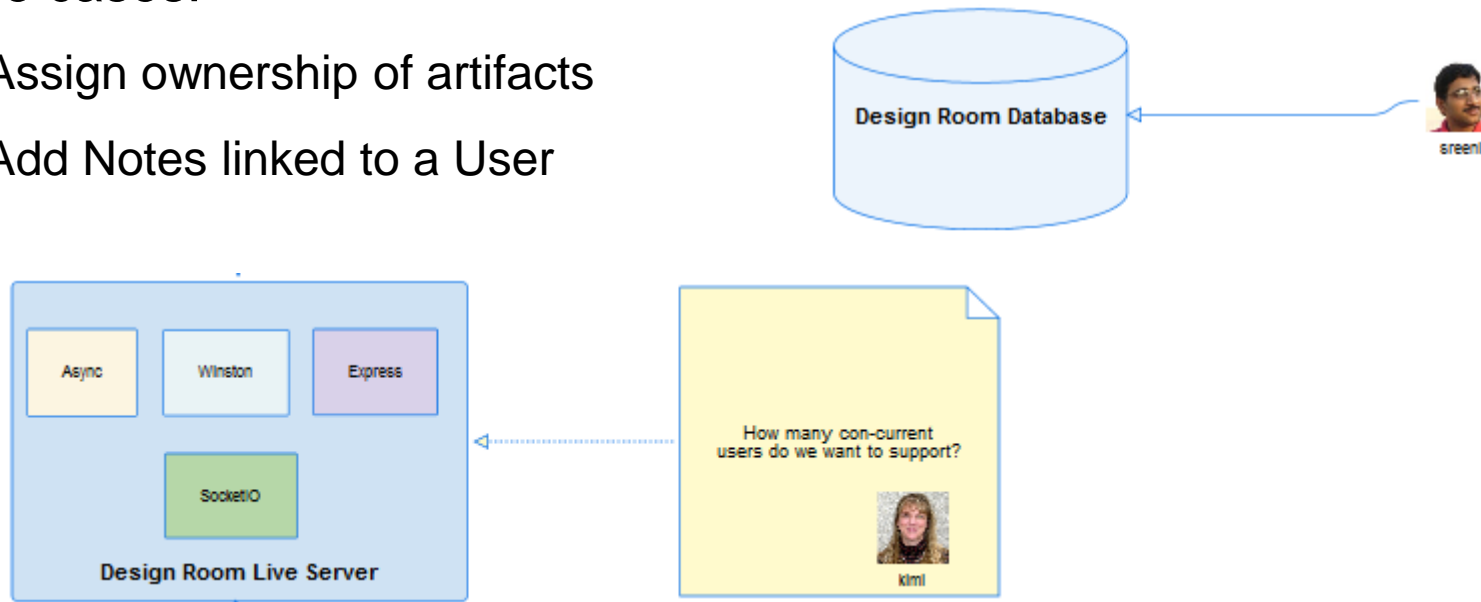
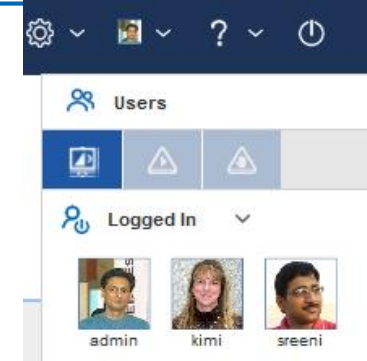
- ▶ Use Cases

- Show Images for showing content from other Applications, e.g. Diagrams from RSAD, Erwin etc
- Annotate shapes, e.g. to indicate that the Server is a NodeJS Server:



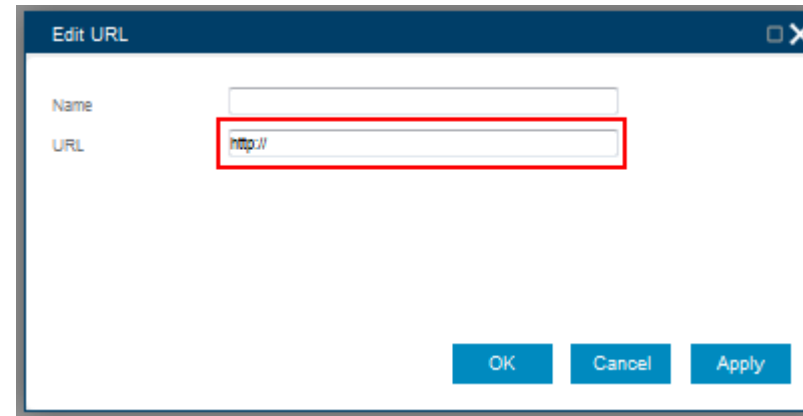
Images - User Images

- ▶ You can also use User Images from the User stencil on the right:
- ▶ Simply drag and drop a User Image from the stencil on to the Whiteboard
- ▶ Use cases:
 - Assign ownership of artifacts
 - Add Notes linked to a User



URL Links

- ▶ Use the URL Link shape from the stencil to put links on whiteboards

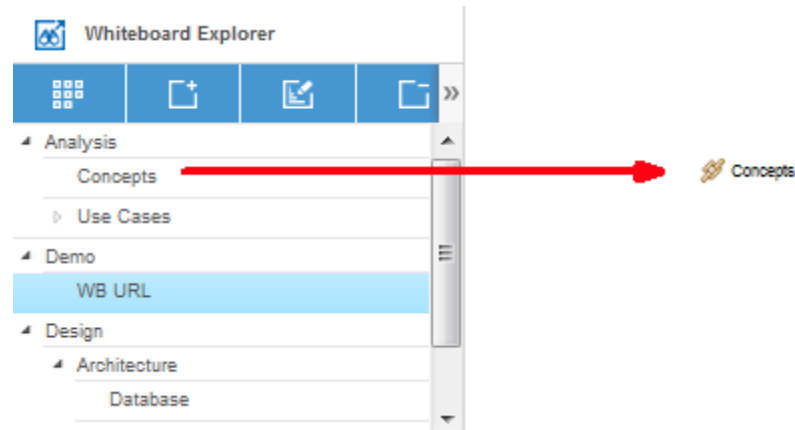


- ▶ Use Cases

- Link to websites/documents/videos on Internet/Intranet
- Link to Work Items in RTC, Requirements in DoorsNG etc

URL Links – Whiteboard links

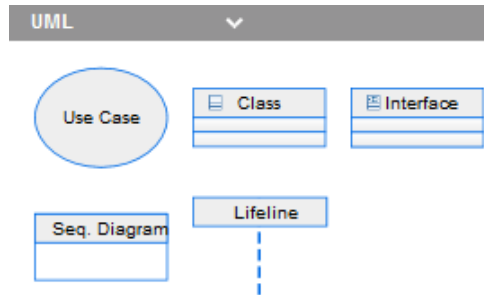
- ▶ You can create links to the other whiteboards in two ways:
 - Dragging the source whiteboard to the target whiteboard
 - Copying using the Ctrl+C and pasting using the Ctrl+V keys on the keyboard



- ▶ Click the URL link to navigate to the whiteboard.

Classes / Interfaces

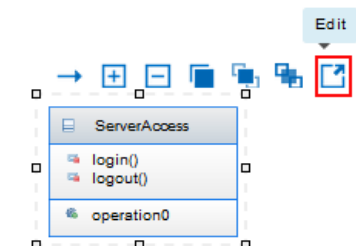
- ▶ Create Use Case/Classes/Interfaces/Sequence diagrams/Lifelines using the shape icons from the UML section of the stencil:



- ▶ You can change the Class name, add/delete Attributes/Operations in the Edit Class dialog:

The 'Edit Class' dialog box for the 'ServerAccess' class. It has a 'Name' field containing 'ServerAccess'. Below it are two sections: 'Attributes' and 'Operations'. The 'Attributes' section has a table with 'login()' and 'logout()' listed. The 'Operations' section has a table with 'operation0' listed. Both sections have '+ Add New' and 'X Delete' buttons. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

- ▶ The “Edit Class” dialog is shown automatically when you first create a Class
- ▶ You can also launch it later using the Edit button on the Class shape:



Classes / Interfaces

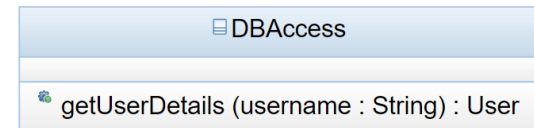
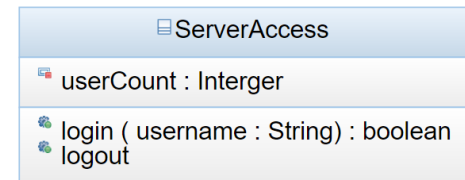
- ▶ You can model Attribute type or Operation signature by **naming** them using the following conventions:

- Attribute

- <attribute name> : <type>
- E.g.
 - userCount : Integer

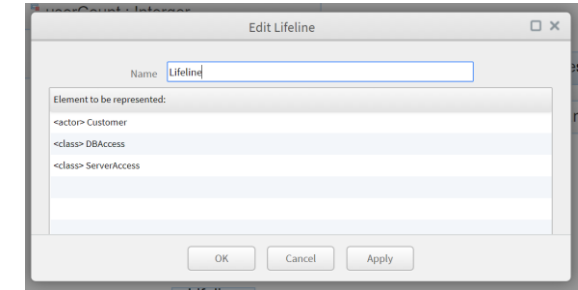
- Operation

- <operation name> (<param1> : <param1 type>, <param2> : <param2 type>) : <operation return type>
- E.g.
 - login (username : String) : boolean

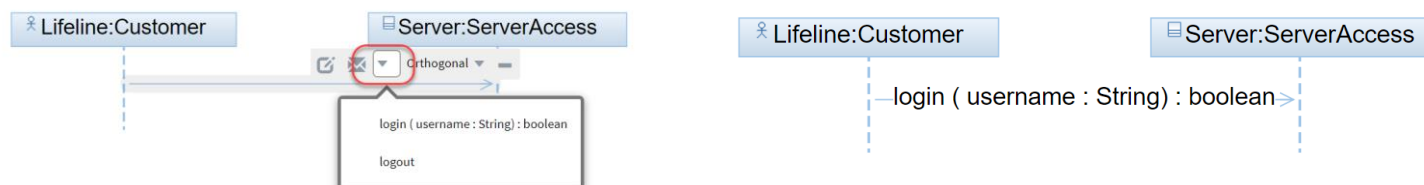


Lifelines

- ▶ When you create a Lifeline, you will be prompted to select its Type:
- ▶ The Type can from any of these existing shapes:
 - Class / Interface / Actor
- ▶ To create Messages between Lifelines, select the source Lifeline and hover over one of the circles, and then start click-drag operation to drag to the target Lifeline:

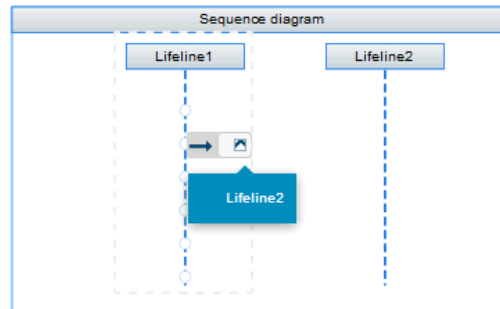


- ▶ Select the newly created message, and select the Operation from the drop down:

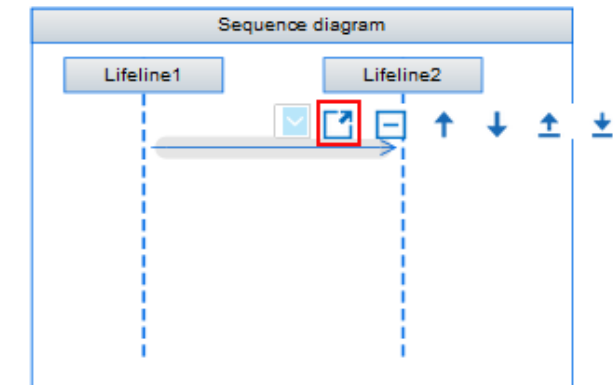
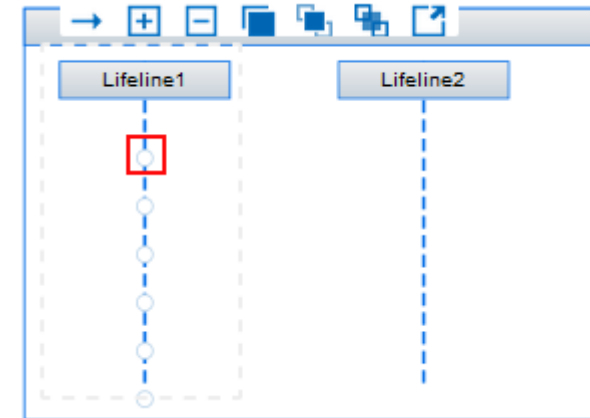


Messages – create lifeline messages

- ▶ Select the lifeline and click the magnet to create a link.
- ▶ Select an operation from the Operations list.



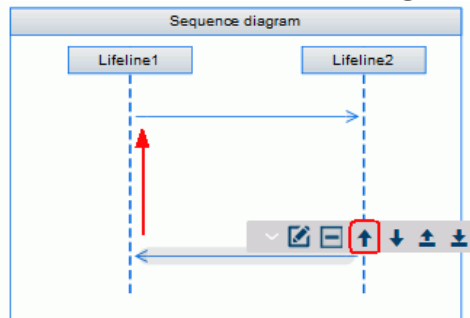
- ▶ You can edit the label of the message at a later time.



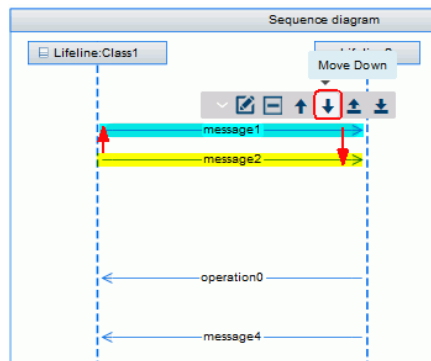
- ▶ Provide the label, source, and the target names in the **Edit Link** window.

Messages – moving single message across the lifeline

- ▶ You can reorder the lifeline messages by moving them up or down the lifeline to change the order in which they appear or interact with each other.
- ▶ Moving the messages up or down can help you to create or delete extra space between the existing messages. For example, in the following image, use the Move Up icon to delete the unnecessary space between the existing messages.

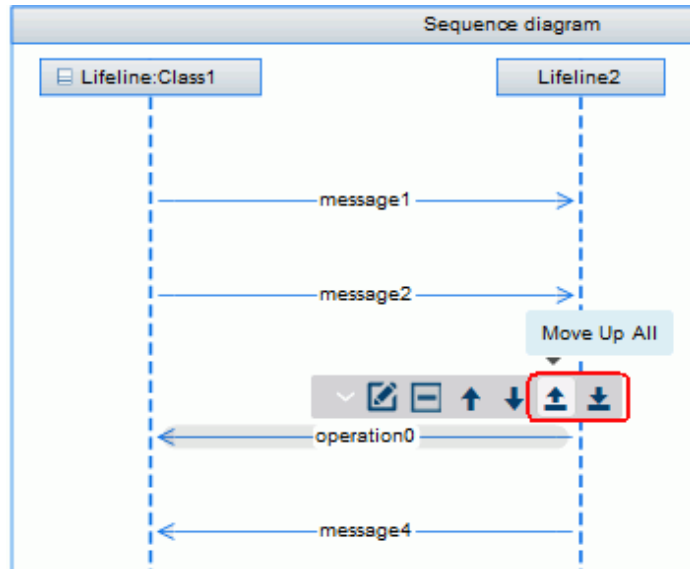


- ▶ If there is a messaging already in the target location, the message locations are swapped.



Messages – moving multiple messages across the lifeline

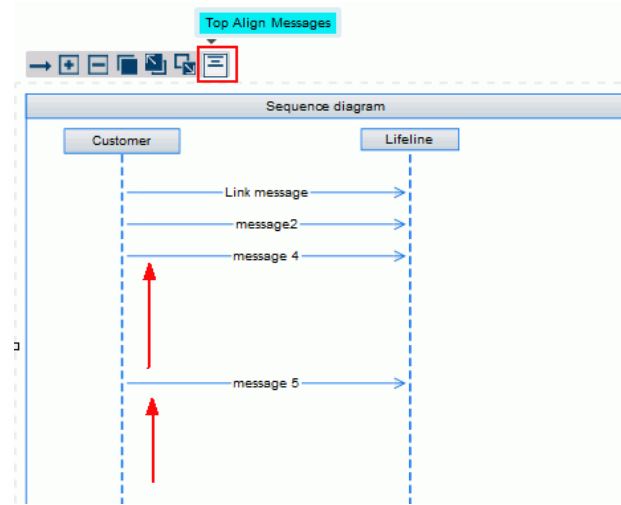
- ▶ You can also move multiple message by selecting the Move Up All or Move Down All options.



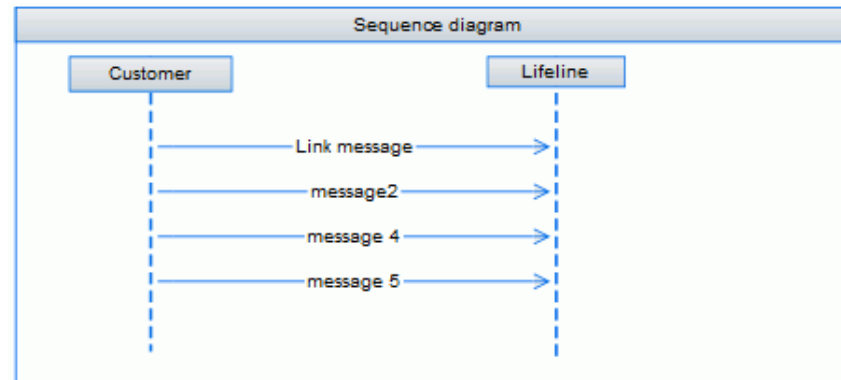
When you are trying to move all the messages up or down, you must ensure that there is space for the messages to move, otherwise the movement does not happen.

Messages – top aligning messages

- ▶ If you find extra spaces in between the messages due to some removal or creation of messages in the lifelines, you can reorder all the messages in the sequence diagram by using the option **Top Align Messages**.

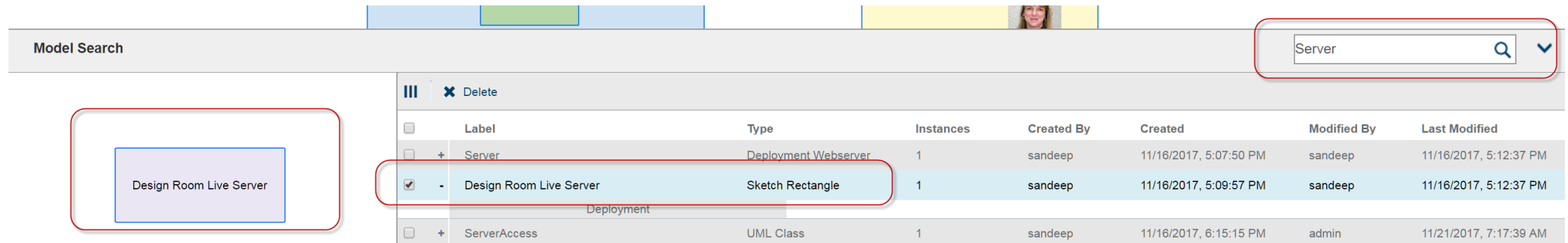


- ▶ After the alignment, the lifeline messages will look as follows:



Search

- ▶ You can Model Elements (and instances of shapes referencing them) using Model Search at the bottom



- ▶ You can then select individual rows in the search results to see a preview of that Model Element
- ▶ From the preview, just drag and drop the shape to a whiteboard to create a shape instance from that Model Element
- ▶ Search string does not require any wild-cards like *, hence enter you search string without any wildcards
- ▶ Search results are limited to first 100 matches

Search

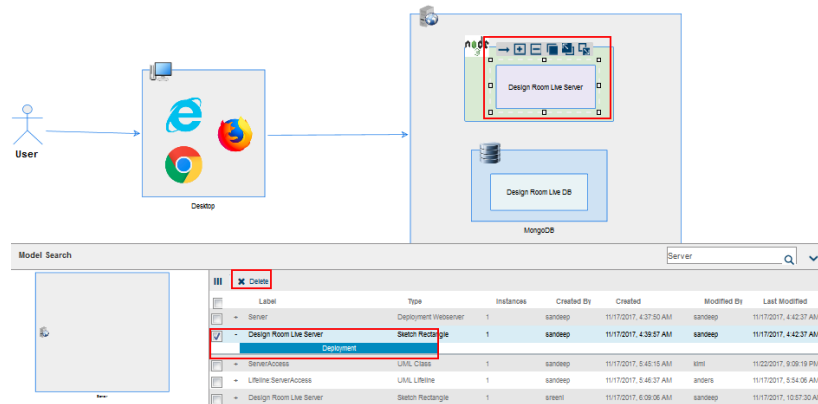
- ▶ You can also click on the '+' icon next to the search result to see which whiteboards have shapes instances based on that Model Element
- ▶ Just click on the Whiteboard name and that whiteboard will be opened with that shape selected

The screenshot shows the 'Model Search' interface. At the top, there is a search bar with the text 'Server' and a magnifying glass icon. Below the search bar, there is a table with the following columns: Label, Type, Instances, Created By, Created, Modified By, and Last Modified. The table contains three rows of results. The first row is 'Server' (Deployment Webserver) with 1 instance. The second row is 'Design Room Live Server' (Sketch Rectangle) with 1 instance, and it is highlighted with a blue background. The third row is 'ServerAccess' (UML Class) with 1 instance. To the left of the table, there is a sidebar with a button labeled 'Design Room Live Server'. A red box highlights the 'Deployment' label in the table, and another red box highlights the search bar.

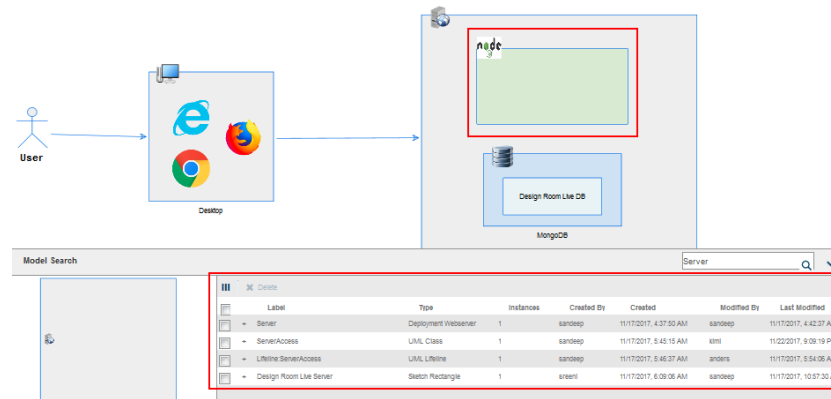
	Label	Type	Instances	Created By	Created	Modified By	Last Modified
<input type="checkbox"/>	Server	Deployment Webserver	1	sandeep	11/16/2017, 5:07:50 PM	sandeep	11/16/2017, 5:12:37 PM
<input checked="" type="checkbox"/>	Design Room Live Server	Sketch Rectangle	1	sandeep	11/16/2017, 5:09:57 PM	sandeep	11/16/2017, 5:12:37 PM
<input type="checkbox"/>	ServerAccess	UML Class	1	sandeep	11/16/2017, 6:15:15 PM	admin	11/21/2017, 7:17:39 AM

Search – Delete model element

- ▶ You can select a model element from the search result and click the Delete button to remove the model element.

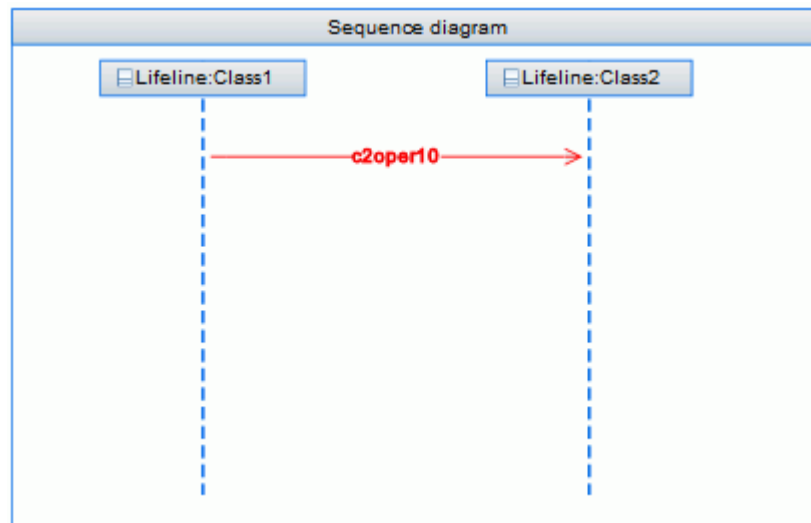


- ▶ All instances of the model elements across all whiteboards will be deleted, and the list of results will reflect the change in the number of instances found for the element.



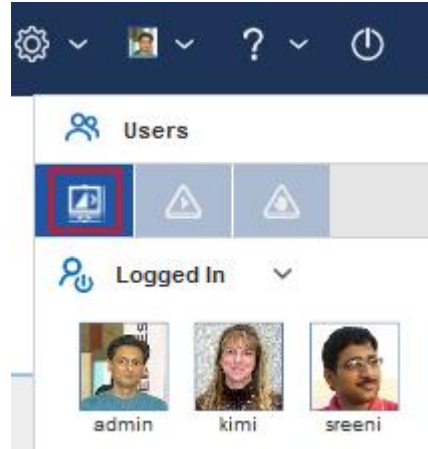
Search – Deleted elements are marked in red

- ▶ If a class referred in a lifeline is deleted, the reference to the deleted model element in the lifeline is marked in red to indicate that it is an invalid reference as the model element is no longer available.
- ▶ Likewise, if an operation referred by a Message is deleted, then the Message is marked in red to indicate that it has an invalid reference.

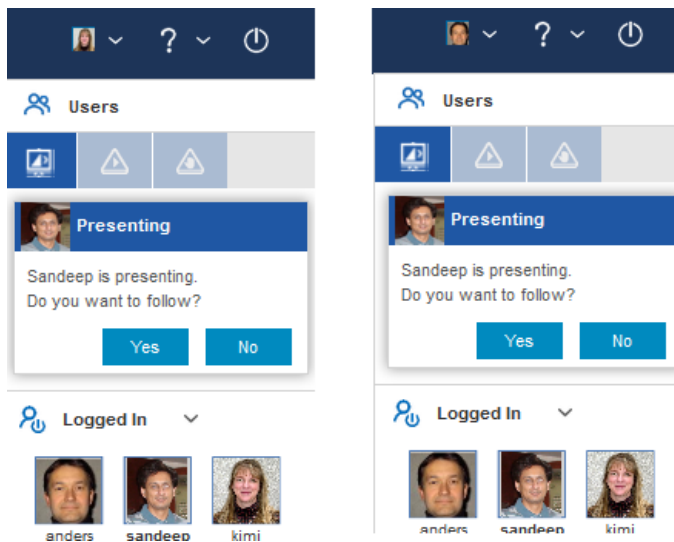


Presentation Mode

- ▶ You can start the presentation mode using the “Start Presentation” button on the toolbar above the Users stencil:

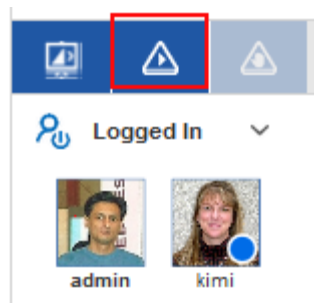
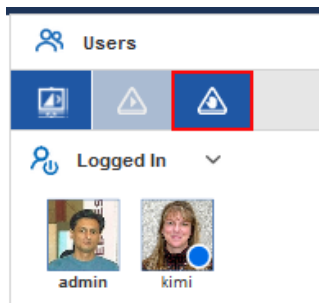


- ▶ Other Users (Viewers) will get a notification asking them if they want to follow your presentation:



Presentation Mode

- ▶ If they choose Yes, then their active Whiteboard will switch automatically to the Presenter's Whiteboard
- ▶ As the Presenter, switches Whiteboards, or pans/zooms, the Viewers Whiteboards will also switch/pan/zoom
- ▶ Anyone can still make changes on the active Whiteboard, regardless of being the Presenter/Viewer
- ▶ Any Viewer, can choose to pause the Presentation using the “Pause” button
 - Doing so allows the Viewer to switch Whiteboards on his own, i.e. be on his own
 - He can later use the “Play” button to resume following the Presenter



Sharing Shape/Whiteboard Links via email

- ▶ Sharing a shape:
 - Select the shape and press Ctrl+C to copy the shape to the clipboard.
 - Paste using Ctrl+V and share it via email.
 - When a user clicks on a shared link, it will open the application in a browser, prompt for login if required, and highlight that shape.
- ▶ Sharing link to a Whiteboard
 - Open the Whiteboard and press Ctrl+C to copy the whiteboard to the clipboard.
 - Paste the link to share the whiteboard, for example, in another whiteboard.

Copying Images from other Applications

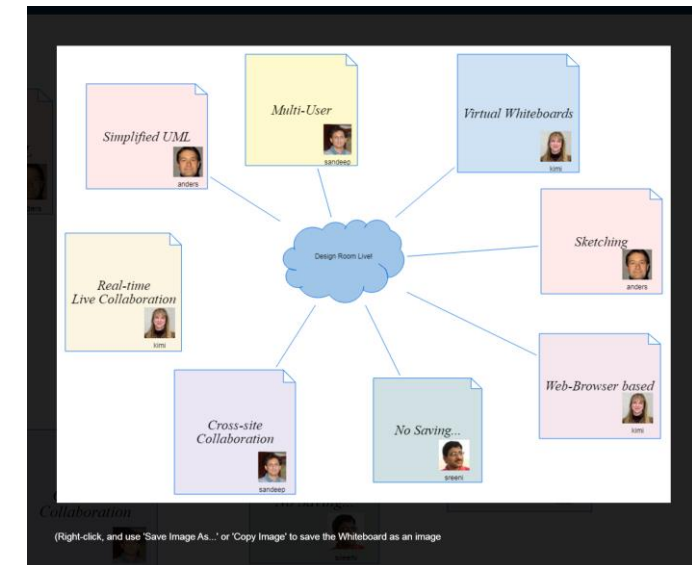
- ▶ You can copy images as Image shape directly into whiteboards from other Application which support image copying, e.g. RSAD, Microsoft Word/Power Point/Visio etc.
- ▶ Open the other Application and copy an image to the clipboard
 - E.g. in RSAD, open a diagram, select the element in the diagram to be copied, press Ctrl-C
- ▶ Open a Whiteboard and press Ctrl-V.
- ▶ This will copy the image into the Whiteboard.

Copying Images to other Applications

- ▶ You can copy images of shapes or entire whiteboard to other applications as images
- ▶ Open a Whiteboard and click on the 'Camera' icon in the toolbar

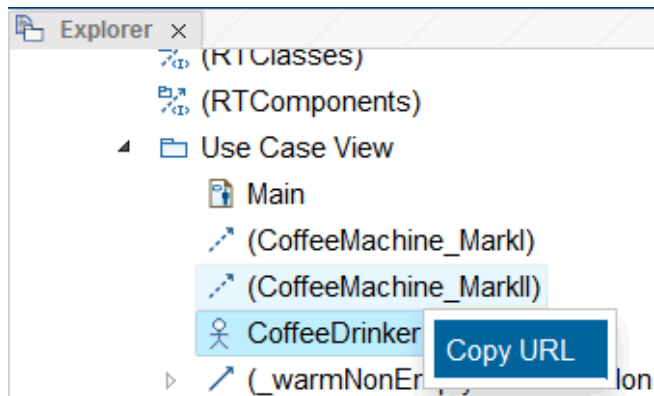


- ▶ This will open the image of the whiteboard in a pop-up, which can then right-click save as an image and import into other Application
- ▶ You can also select an individual shape to copy just its image



Integration – Integrating with Design Room ONE

- ▶ Modeling elements from the other modeling applications can be integrated with IBM Architecture Room LIVE!
- ▶ You can copy a modeling element that is referenced in the form of a URL from IBM Design Room ONE and paste it in the whiteboard of IBM Architecture Room LIVE!
- ▶ Log in to Design Room ONE application and copy the element that you want to use in IBM Architecture Room LIVE! The element is placed in the clipboard.



- ▶ Go to the whiteboard in IBM Architecture Room LIVE! and click Ctrl+V to paste the element. The image of the element is created in the whiteboard.

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