



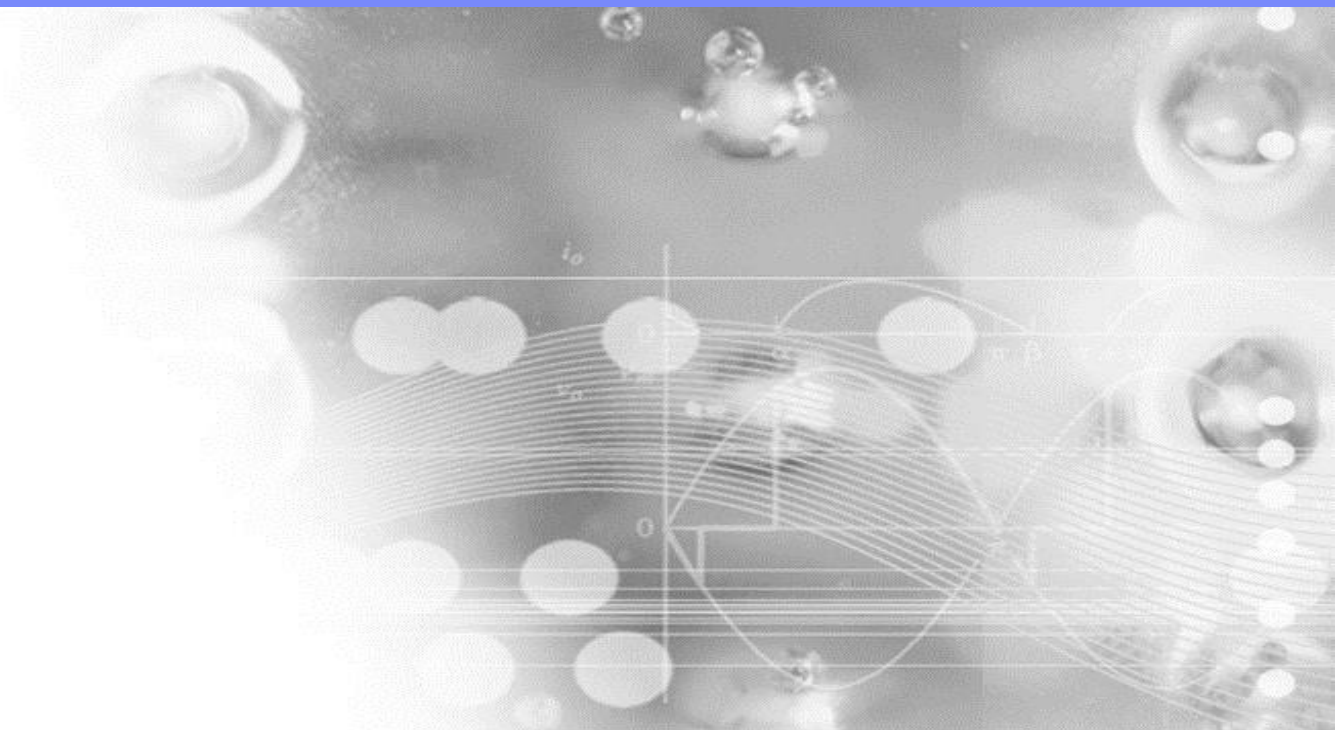
Software Group

IBM Architecture Room LIVE!

Version 9.7

User Guide

May 15, 2019, sprint 2019.19



| IBM Confidential |

© 2019 IBM Corporation

Contents

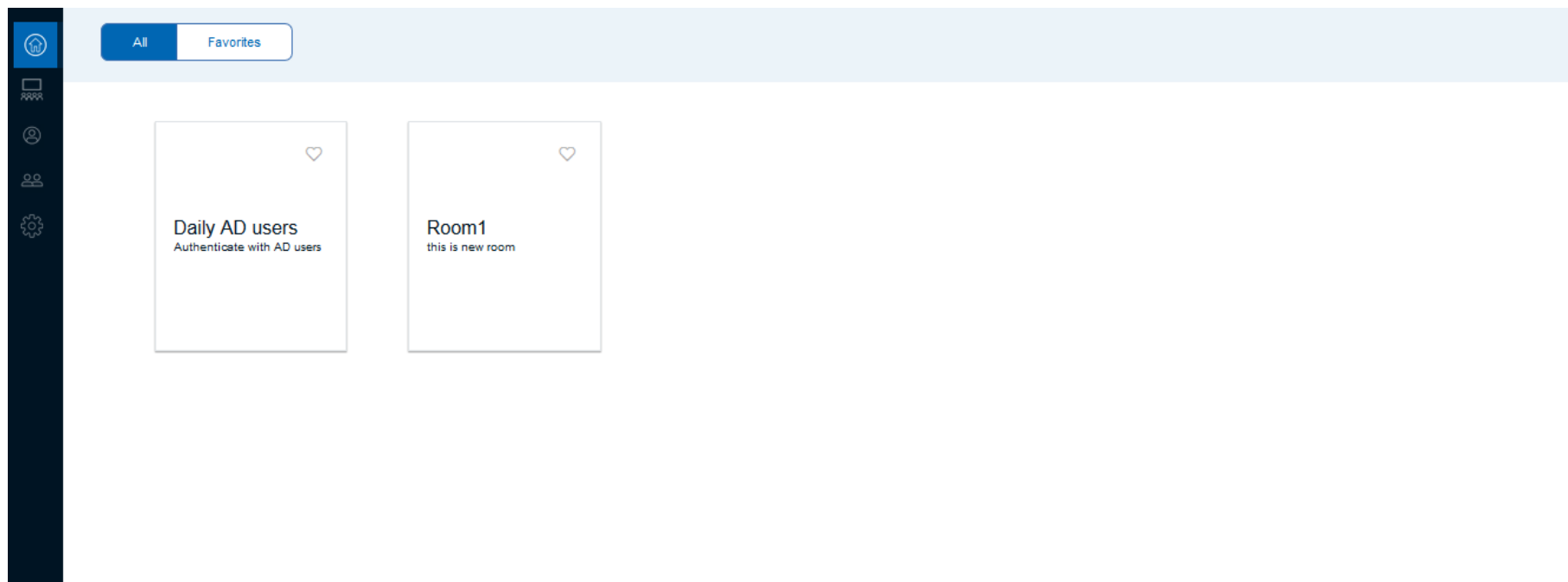
- Administration
 - Administration – Multiple projects
 - Administration - Users
 - Administration – User access
- Whiteboards
- Export and import – Whiteboards and users
- Shapes
- Links
- Images
- URL Links
- Classes / Interfaces / Lifeline
- Search
- Presentation Mode
 - ▶ Sharing shapes/whiteboards links via email
 - ▶ Copying images
 - ▶ Integration with other modeling applications
 - ▶ Experimental features

Administration - Startup

- Install the HCL Design Room LIVE! application. For installation information, see the installation document (HDRL_9.7.2019.15_InstallationGuide.pdf) that comes along with the product package.
- HCL Design Room LIVE! can be installed on both Windows x64 and Linux x64 platforms.
- HCL Design Room LIVE! supports the following web browsers:
 - ▶ Windows:
 - Chrome
 - Firefox v57 and later
 - ▶ OS X
 - Chrome
 - Firefox v57 and later

Administration - Multiple projects creation and maintenance

- Using Live! you can create, manage, and maintain multiple projects through different independent rooms. The Home administrators play the role of defining the groups and their users. The groups can be of two types; groups that are derived from the Active Directories or groups that are created in the Live! instance by the Home administrator. The Home administrators have the rights to create the local users and assign them to the appropriate local groups; whereas, the active directory groups inherit the users from the Active Directory setup.



Administration - Active Directory configuration

- ▶ You can configure to connect to the Active Directory to import the groups along with its user into Live! The Active Directory groups inherit the users from the Active Directory setup.

The screenshot shows the 'Settings' page in the IBM Architecture Room LIVE! application. The left sidebar contains navigation icons: a home icon, a monitor icon, a person icon, a group of people icon, and a gear icon (selected). The main content area is titled 'Settings' and contains two sections: 'Active Directory configuration' and 'Home Admin configuration'. The 'Active Directory configuration' section has four text input fields: 'LDAP URL' with the value 'ldap://10.115.88.236', 'Base DN' with the value 'OU=LiveGroups,DC=hclpnp,DC=COM', 'User Name' with the value 'administrator@hclpnp.com', and 'Password' which is masked with dots. The 'Home Admin configuration' section has one text input field for 'Home Admins Group' with the value 'HomeAdmin' and a dropdown arrow icon. At the bottom of the settings area are 'Cancel' and 'Apply' buttons.

Settings

Active Directory configuration

LDAP URL

ldap://10.115.88.236

Base DN

OU=LiveGroups,DC=hclpnp,DC=COM

User Name

administrator@hclpnp.com

Password

.....

Home Admin configuration

Home Admins Group

HomeAdmin

Cancel Apply

Administration - Local groups

- Local groups are different from the Active Directory groups. These are groups that are created in the installed Live! instance. Home Administrators have the privilege to create local groups and assign local users to the same based on the requirement. Each user that is assigned to the group gets the access to the Room to which the group is assigned to.

All GroupsLocalActive Directory

Add New Group +

Group Name	Type	Users	Description
A_Testing_Steven	Local	0	
AD_user_LocalAdmin	Local	0	AD users which are part of local groups
AD_user_LocalNormal	Local	1	AD users which are part of local groups
AD_user_LocalRO	Local	0	AD users which are part of local groups
AllAdmin	Local	10	
AllNormal	Local	35	AD and Local
AllRO	Local	1	AD and Local
Amit_Admin	Local	1	Admin
Amit_Normal	Local	1	Normal
Amit_RO	Local	1	RO
delete	Local	1	
Group	Local	2	
Group count	Local	2	
HomeAdmin	Local	1	Home Admin Group
LiveAdmin	Local	0	Live Admin Group

Group Name

Enter Group Name

Description

Enter Group Description

Manage/View Users

Delete Group

CancelApply

Administration - Local users

- Like the local groups, the local users are again specific to the users that are created in a specific Live! instance and are different from the Active Directory users. Home administrators have the privilege to create local users and assign them to the appropriate local groups. Each user that is assigned to the group gets the access to the Room to which the group is assigned to.

The screenshot shows the 'Local' tab selected in the 'All Users', 'Local', and 'Active Directory' tabs. A table lists existing local users with columns for Username, First Name, Last Name, and Type. To the right, a form allows adding a new user with fields for Username, First Name, Last Name, E-Mail, Password, and Confirm Password. Buttons for 'Delete User', 'Cancel', and 'Apply' are at the bottom.

Username	First Name	Last Name	Type
admin	Live	Administrator	Local
amit	Amit Kr	Bishwakarma	Local
anders	anders	Ek	Local
atin	atin	gupta	Local
badri	Badri	narayan	Local
chaitanya	chaitanya	R	Local
david	david	W	Local
Delete	delete	user	Local
guest	guest	user	Local
kimi	kimi	cousins	Local
manoj	manoj	kumar	Local
martin	martin	axelsson	Local
rajesh	rajesh	gupta	Local
rohini	rohini	muralidharan	Local
rouser	read	only	Local

Username
Enter Username

First Name
Enter First Name

Last Name
Enter Last Name

E-Mail
Enter E-mail

Password
Enter Password

Confirm Password
Confirm Password

Delete User Cancel Apply

Administration - Rooms

- A Live! instance can have multiple rooms. You can create different rooms for different projects. Home Administrator has the rights to associate groups, both active directory and local groups, to the rooms based on the requirement. Only the users that are assigned to the groups that are associated with the Room get the access to the room.

The screenshot displays the 'Design Room LIVE!' administration interface. On the left is a dark sidebar with navigation icons. The main content area is divided into two sections. The left section contains a table listing existing rooms, and the right section contains a form for adding a new room.

Name	Port	Link	Status
Amit_room	51244	https://10.115.88.232:51244/index.html	●
Daily AD users	51238	https://10.115.88.232:51238/index.html	●
Daily AD users with local ...	51239	https://10.115.88.232:51239/index.html	●
Daily Local Users	51235	https://10.115.88.232:51235/index.html	●
Live Server	51237	https://10.115.88.232:51237/index.html	●
Room1	51241	https://10.115.88.232:51241/index.html	●
RSA	51236	https://10.115.88.232:51236/index.html	●
Scrum	51240	https://10.115.88.232:51240/index.html	●
Test Room	51242	https://10.115.88.232:51242/index.html	●

The right section contains a form for adding a new room. It includes the following fields and buttons:

- Room Name:** A text input field with placeholder text 'Enter Room Name'.
- Description:** A text input field with placeholder text 'Enter Description'.
- Admin Users Group:** A text input field with placeholder text 'Enter Admin Users Group Name' and a dropdown arrow.
- Normal Users Group:** A text input field with placeholder text 'Enter Normal Users Group Name' and a dropdown arrow.
- Read-only Users Group:** A text input field with placeholder text 'Enter Read-Only Users Group Name' and a dropdown arrow.
- Buttons:** 'Delete Room', 'Cancel', and 'Apply'.

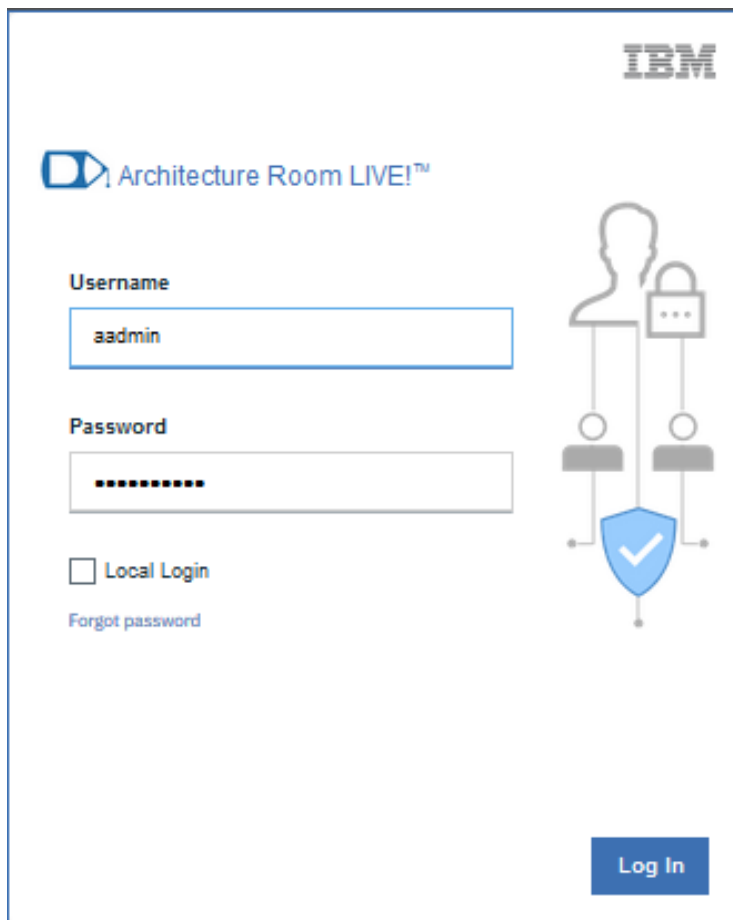
Administration – Starting the application

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

`https://<hostname>/home.html`

- Login using the built-in admin user:

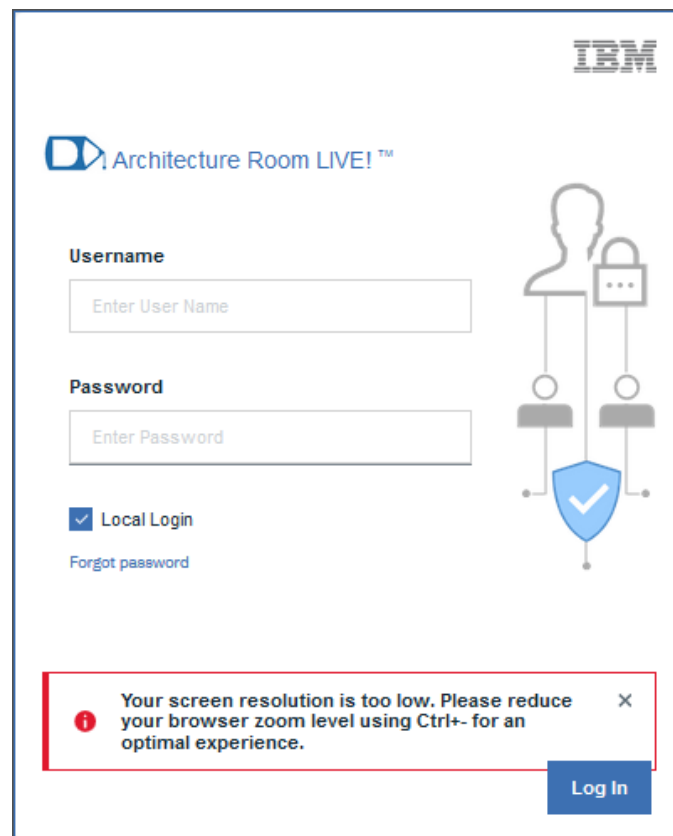
- ▶ Username: admin
- ▶ Password: password



The screenshot shows the login interface for IBM Architecture Room LIVE!™. The page features the IBM logo in the top right corner and the product name with a logo on the left. The login form includes a 'Username' field with 'admin' entered, a 'Password' field with masked characters, a 'Local Login' checkbox, and a 'Forgot password' link. A 'Log In' button is located at the bottom right. To the right of the form is an illustration of a user profile with a lock icon and a shield with a checkmark.

Administration – setting screen resolution

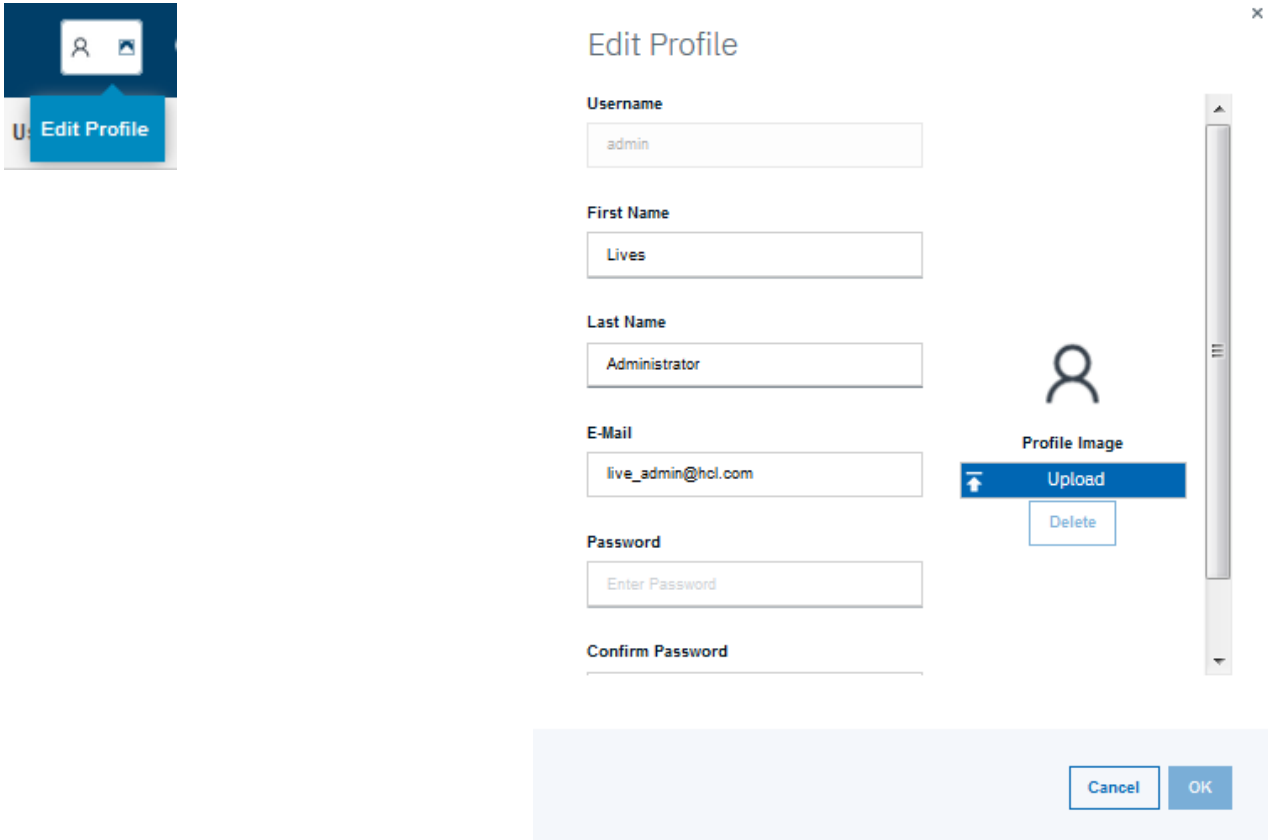
- IBM Architecture Room LIVE! is designed for displays with 1920x1080 (or (1080p) resolution. Using a display with a resolution lower than this will result in a less than optimal experience. User will be shown a warning on the Login dialog for lower resolutions.
- Use the Ctrl and + keys or Ctrl and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



The screenshot displays the login interface for IBM Architecture Room LIVE!. At the top right is the IBM logo. Below it, the text 'Architecture Room LIVE!™' is accompanied by a blue icon of a document with a play button. The login form includes a 'Username' field with the placeholder 'Enter User Name', a 'Password' field with the placeholder 'Enter Password', a checked 'Local Login' checkbox, and a 'Forgot password' link. To the right of the form is an illustration of a person's head and shoulders, a padlock, and two smaller person icons connected by lines to a shield with a checkmark. At the bottom, a red-bordered warning box contains an information icon, the text 'Your screen resolution is too low. Please reduce your browser zoom level using Ctrl+- for an optimal experience.', and a close button (X). A blue 'Log In' button is positioned at the bottom right of the form.

Administration – Profile Picture

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



U: Edit Profile

Edit Profile

Username
admin

First Name
Lives

Last Name
Administrator

E-Mail
live_admin@hcl.com

Password
Enter Password

Confirm Password

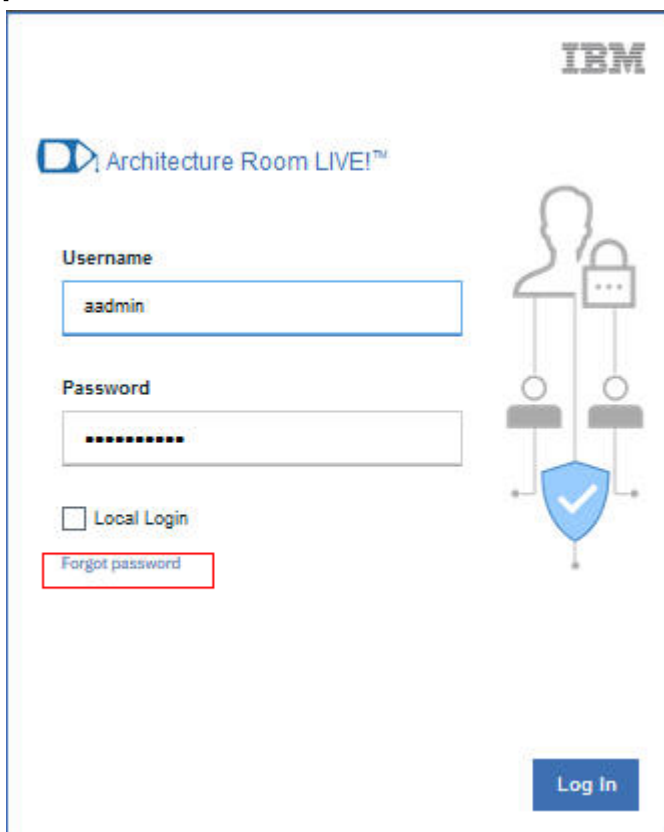
Profile Image
Upload
Delete

Cancel OK

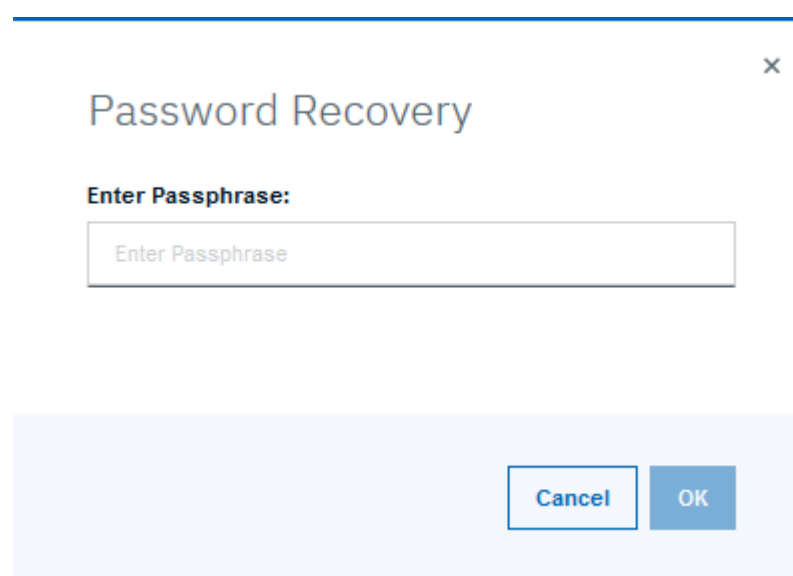
- Note: Use images approximately 300x300 pixels

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 login interface for IBM Architecture Room LIVE! features the IBM logo at the top right. Below it is the product name "Architecture Room LIVE!™" with a small icon. The login form includes a "Username" field with "admin" entered, a "Password" field with masked characters, and a "Local Login" checkbox. A "Forgot password" link is highlighted with a red border. A "Log In" button is at the bottom right. An illustration of two users connected to a central server with a shield icon is on the right side of the form.



The "Password Recovery" dialog box has a title bar with a close button (x). The main text is "Password Recovery". Below it is the label "Enter Passphrase:" followed by a text input field containing the placeholder "Enter Passphrase". At the bottom right are "Cancel" and "OK" buttons.

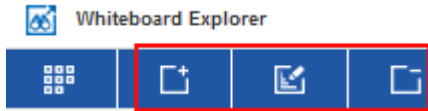
Keyboard shortcuts


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

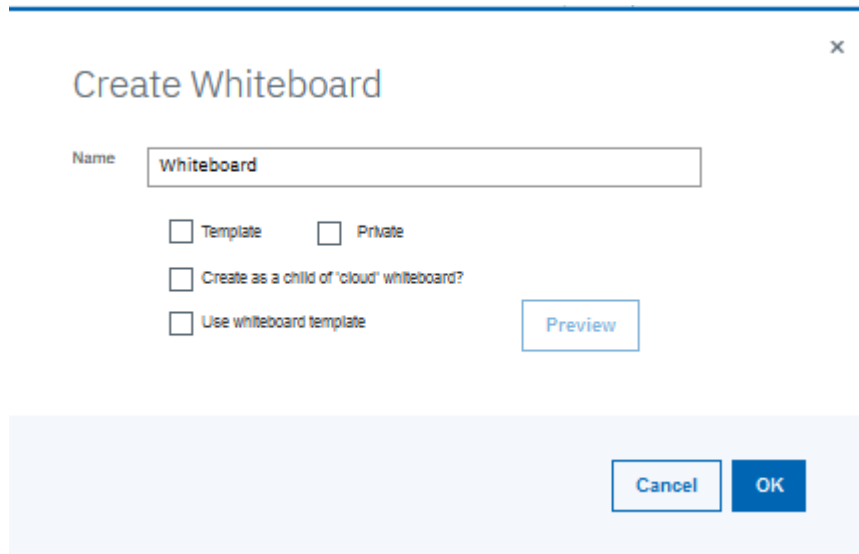
Keyboard shortcuts	Functions
Alt+t	Toggle between whiteboard explorer window and the whiteboard area
Alt+n	Create whiteboard
Alt+Delete	Delete whiteboard
Alt+r	Edit whiteboard
Alt+o	Whiteboard overview
Alt+w	Show/Hide whiteboard explorer toolbar
Alt+p	Show/Hide stencil
Alt+c	Show/Hide control toolbar
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.

The image shows a "Create Whiteboard" dialog box. It has a title bar with a close button (X). The main area contains a "Name" label followed by a text input field containing the word "Whiteboard". Below this are four checkboxes: "Template", "Private", "Create as a child of 'cloud' whiteboard?", and "Use whiteboard template". To the right of the checkboxes is a "Preview" button. At the bottom right of the dialog are "Cancel" and "OK" buttons.

Create Whiteboard

Name

☐ Template ☐ Private

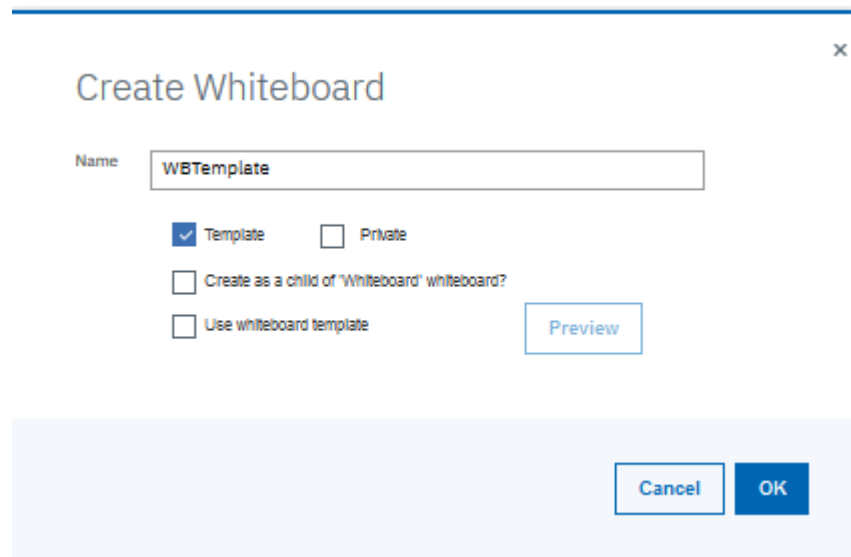
☐ Create as a child of "cloud" whiteboard?

☐ Use whiteboard template

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.

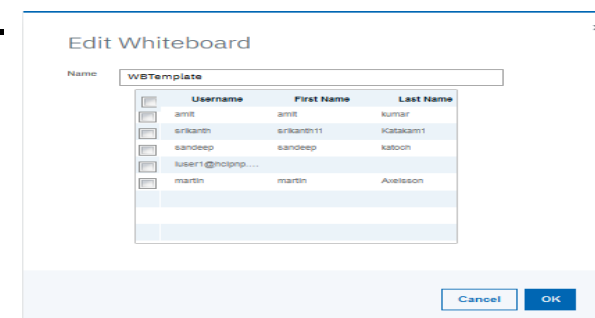


The 'Create Whiteboard' dialog box contains the following elements:

- Title:** Create Whiteboard
- Name:** A text input field containing 'WBTemplate'.
- Options:**
 - ☒ Template
 - ☐ Private
 - ☐ Create as a child of "Whiteboard" whiteboard?
 - ☐ Use whiteboard template
- Buttons:** A 'Preview' button, a 'Cancel' button, and an 'OK' button.

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

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



The 'Edit Whiteboard' dialog box contains the following elements:

- Title:** Edit Whiteboard
- Name:** A text input field containing 'WBTemplate'.
- Table:** A table with columns 'Username', 'First Name', and 'Last Name'.

Username	First Name	Last Name
amit	amit	kumar
srikanth	srikanth11	Katakam1
sandeep	sandeep	katson
user1@ndpnp...		
martin	martin	Avelsson
- Buttons:** A 'Cancel' button and an 'OK' button.

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. You can provide access to some of the users to access the private whiteboard.

Create Whiteboard

Name

☐ Template

☒ Private

	Username	First Name	Last Name
<input type="checkbox"/>	amit	amit	kumar
<input type="checkbox"/>	srinanth	srinanth11	Katakam1
<input type="checkbox"/>	sandeep	sandeep	katoch
<input type="checkbox"/>	luser1@hclpnp....		
<input type="checkbox"/>	martin	martin	Avelsson
<input type="checkbox"/>			
<input type="checkbox"/>			

☐ Create as a child of 'AMIT_WB' whiteboard?

☐ Use whiteboard template

Preview

Cancel

OK

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.

Edit Whiteboard

Name

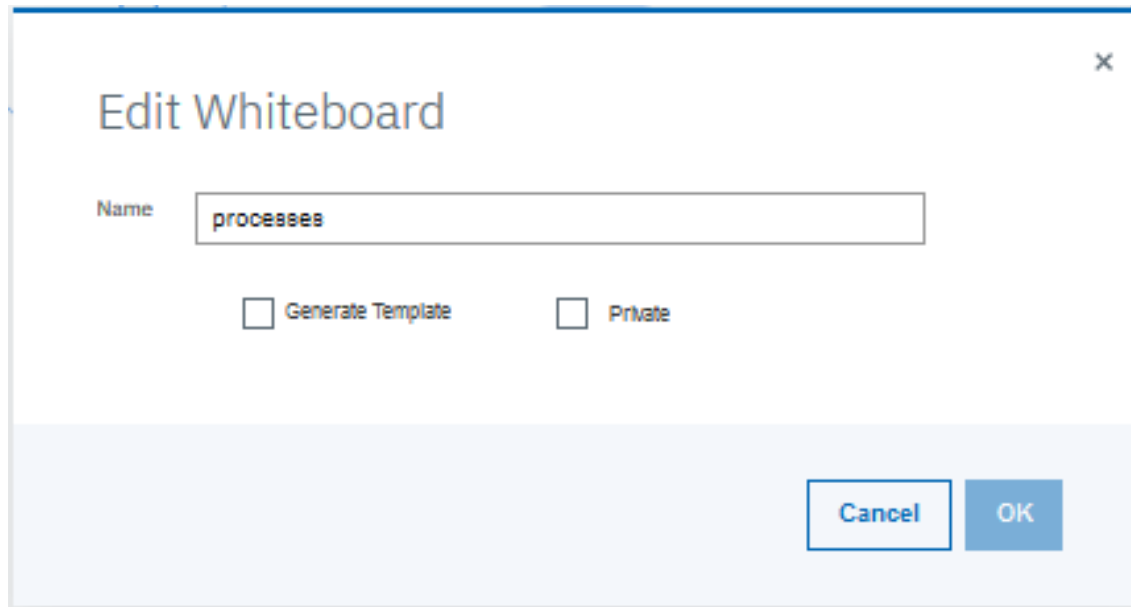
☐ Generate Template ☒ Private

	Username	First Name	Last Name
<input type="checkbox"/>	amit	amit	kumar
<input checked="" type="checkbox"/>	srikanth	srikanth11	Katakam1
<input type="checkbox"/>	sandeep	sandeep	katoch
<input type="checkbox"/>	luser1@hclpn...		
<input checked="" type="checkbox"/>	martin	martin	Axelsson

- 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

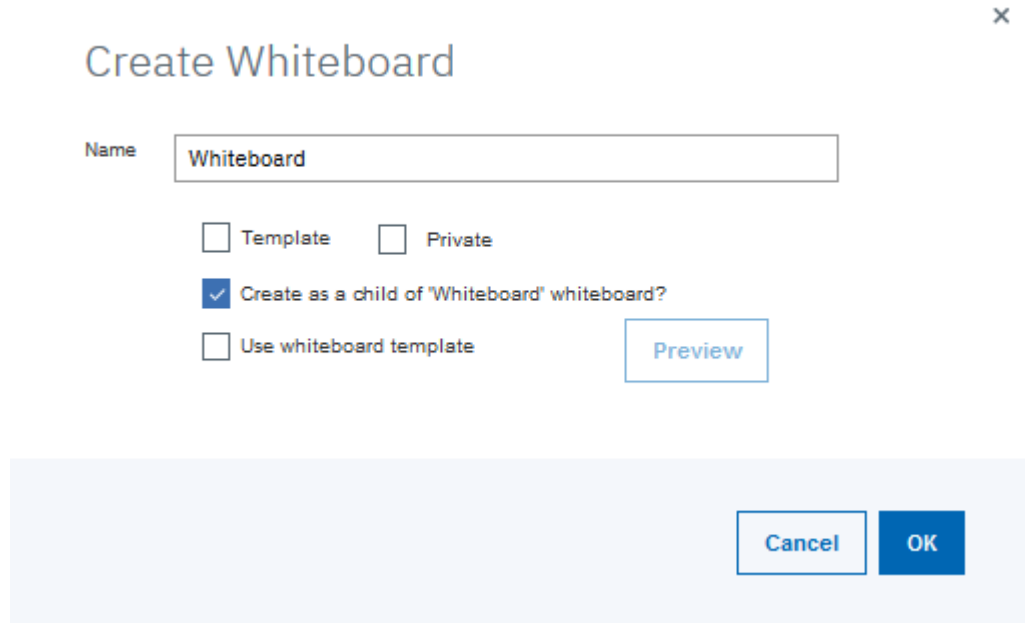
- You can convert your private whiteboard to public and vice versa at any point in time. Clear the “Private” check box to change the private whiteboard to public whiteboard.



The screenshot shows a dialog box titled "Edit Whiteboard" with a close button (X) in the top right corner. Inside the dialog, there is a "Name" label followed by a text input field containing the word "processes". Below the input field, there are two checkboxes: "Generate Template" and "Private", both of which are currently unchecked. At the bottom right of the dialog, there are two buttons: "Cancel" and "OK".

Whiteboards – Nesting / Hierarchy

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



The screenshot shows a 'Create Whiteboard' dialog box with a close button (X) in the top right corner. The dialog has a title bar 'Create Whiteboard'. Below the title bar, there is a 'Name' field with the text 'Whiteboard'. Below the name field, there are three checkboxes: 'Template' (unchecked), 'Private' (unchecked), and 'Create as a child of "Whiteboard" whiteboard?' (checked). Below these checkboxes, there is a checkbox for 'Use whiteboard template' (unchecked) and a 'Preview' button. At the bottom of the dialog, there are 'Cancel' and 'OK' buttons.

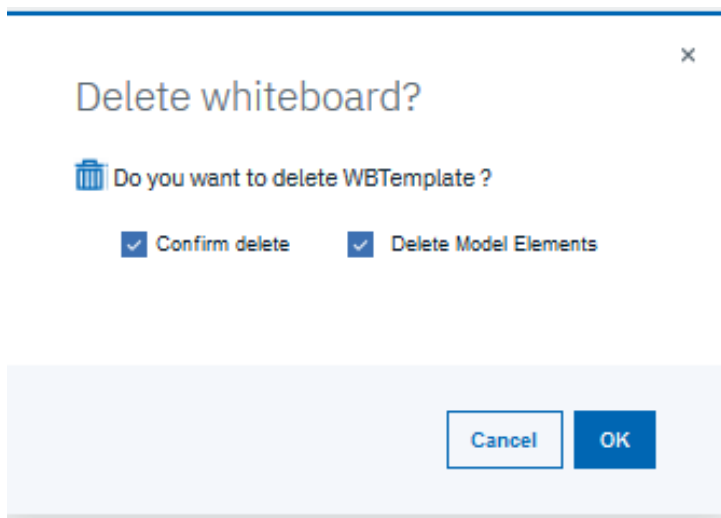
- You can also change the hierarchy of whiteboards using drag and drop on the whiteboards pane:



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.

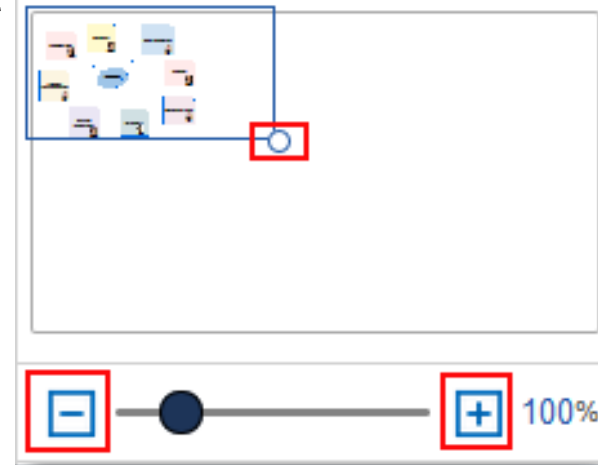


NOTE: If the model elements in the deleted whiteboard have references in any other whiteboard, that is if they are used in some other whiteboards, then the model elements are not deleted. Only the view of those model elements in this whiteboard is deleted.

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

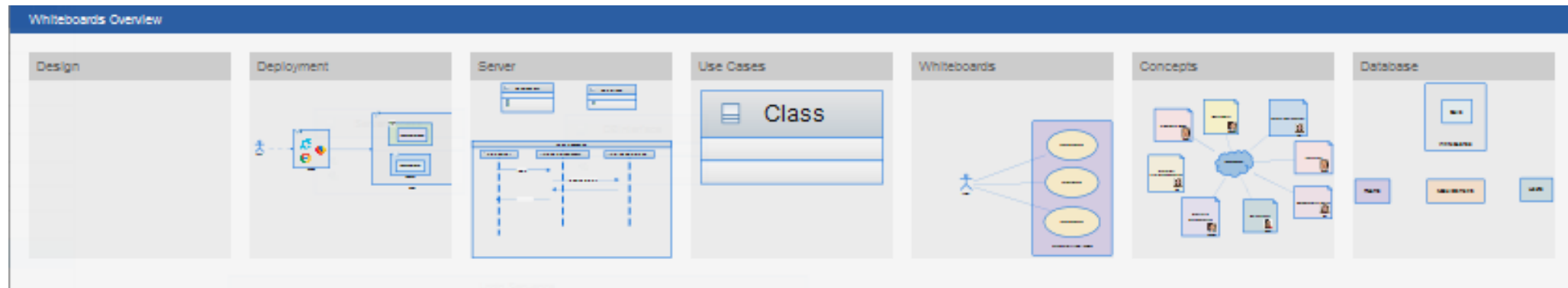
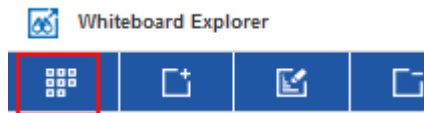
Whiteboards – Pan / Zoom

- 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.



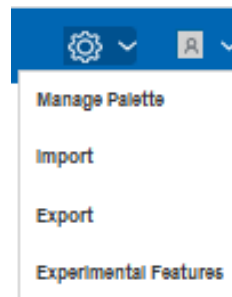
Whiteboards - Overview

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

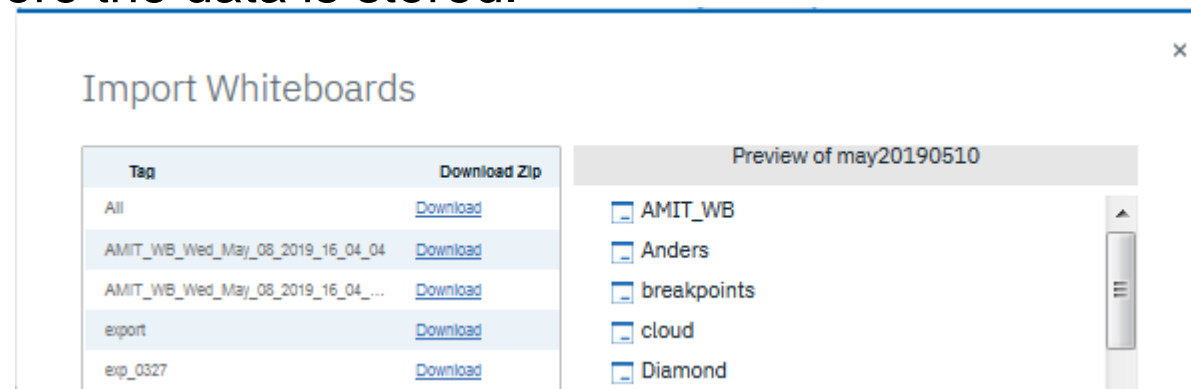
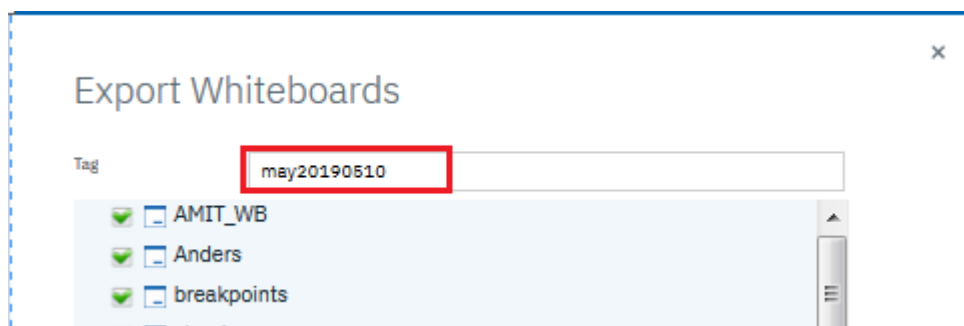


Export and Import - Whiteboards and Users

- Only the room administrator has the authority to export or import whiteboards. 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.

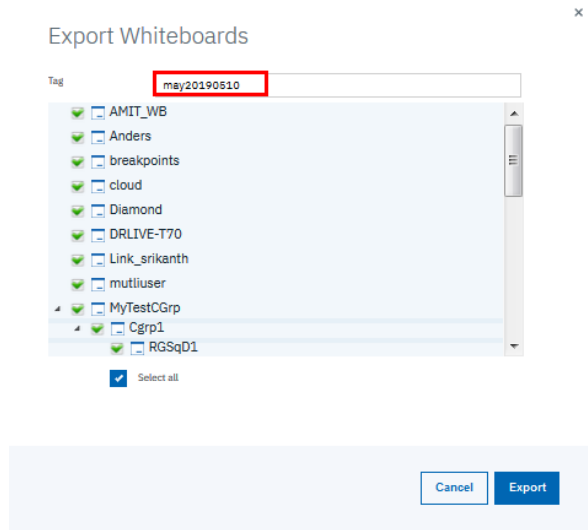


- A valid and intuitive tag name is important while exporting or importing whiteboards; the tag name then is used as the name of the folder where the data is stored.

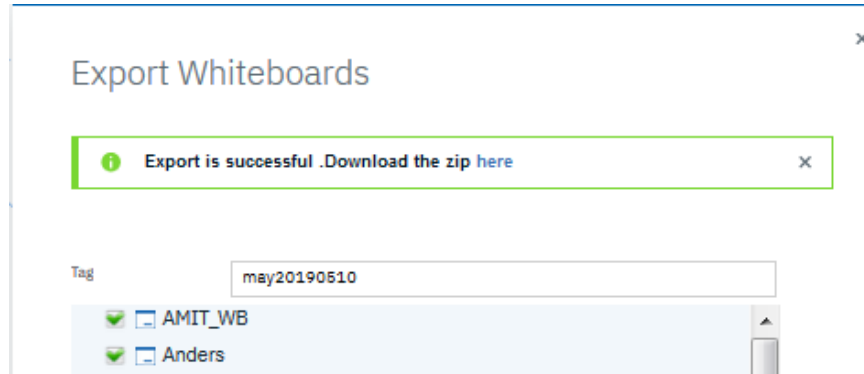


Exporting Whiteboards and Users (contd..)

- 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.

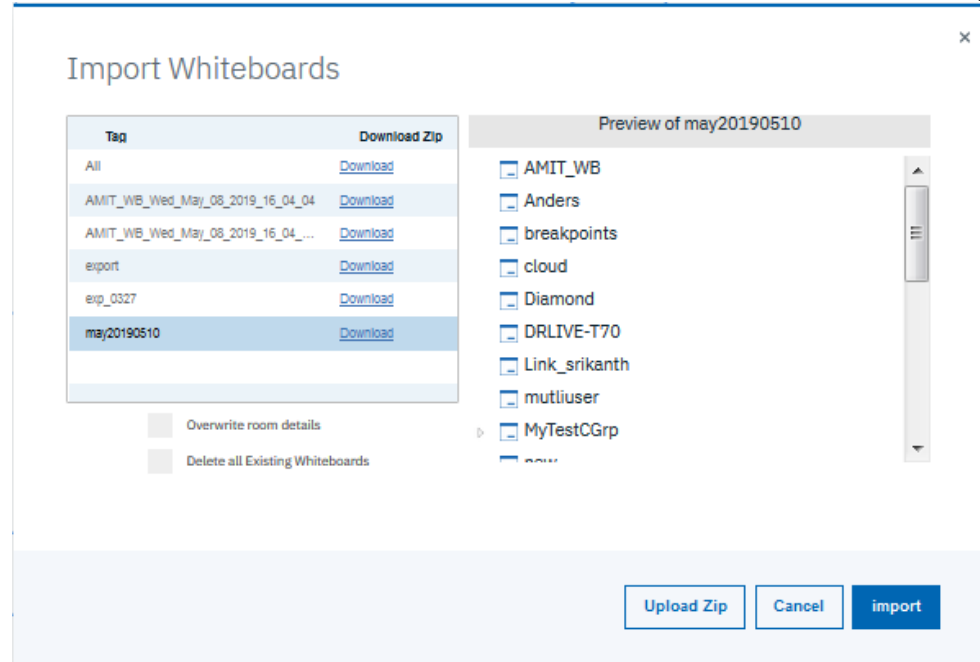


- A message is displayed after the export is successfully completed. There is also a download link to the data that is exported. You can click the link to download the exported data in the zip file format.

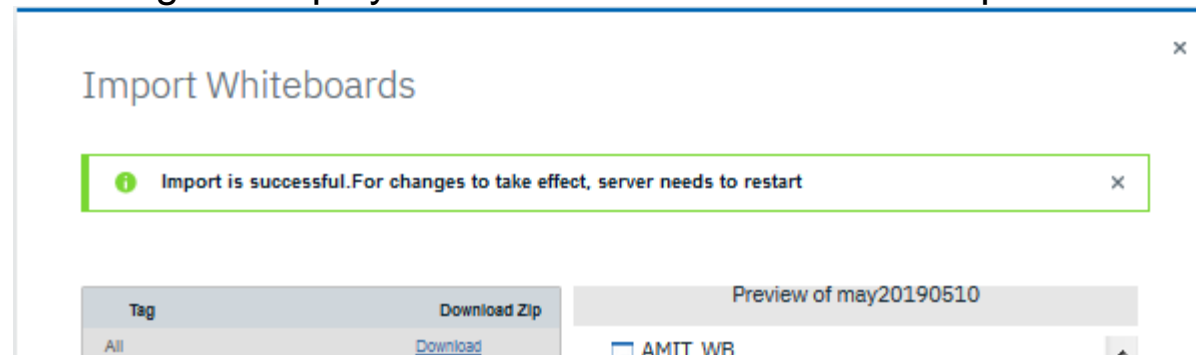


Importing Whiteboards

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

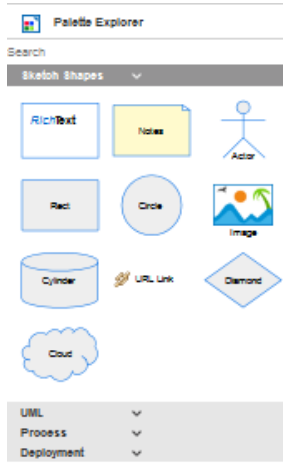


- Once the import process is complete, a message is displayed to state the success of the operation. You can also use the Download link to download the zip file.

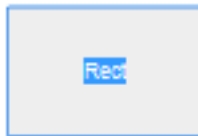


Shapes

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

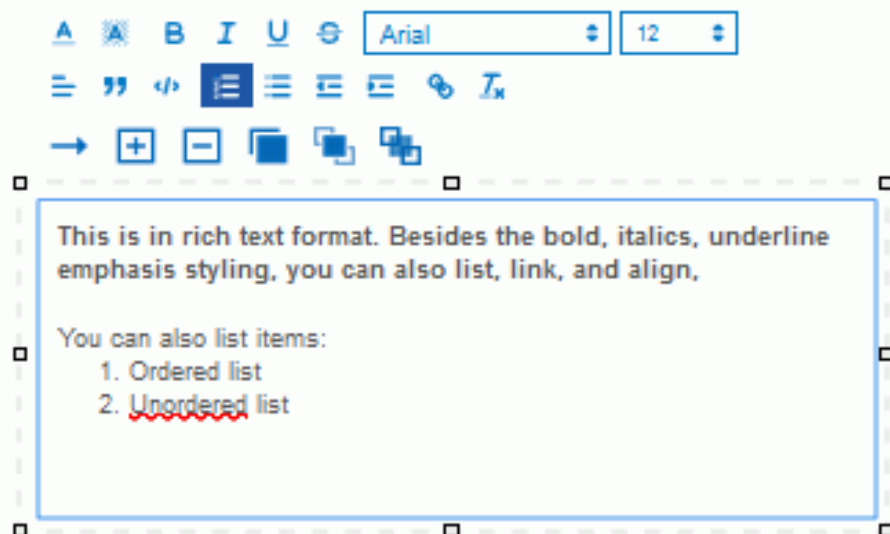


- You can edit the name of the shape immediately after dropping it on the whiteboard (just start typing)
- To Edit the label of an existing shape, just double-click on it
- When you create a shape, a Model Element is created automatically for it



Shapes – Rich Text note

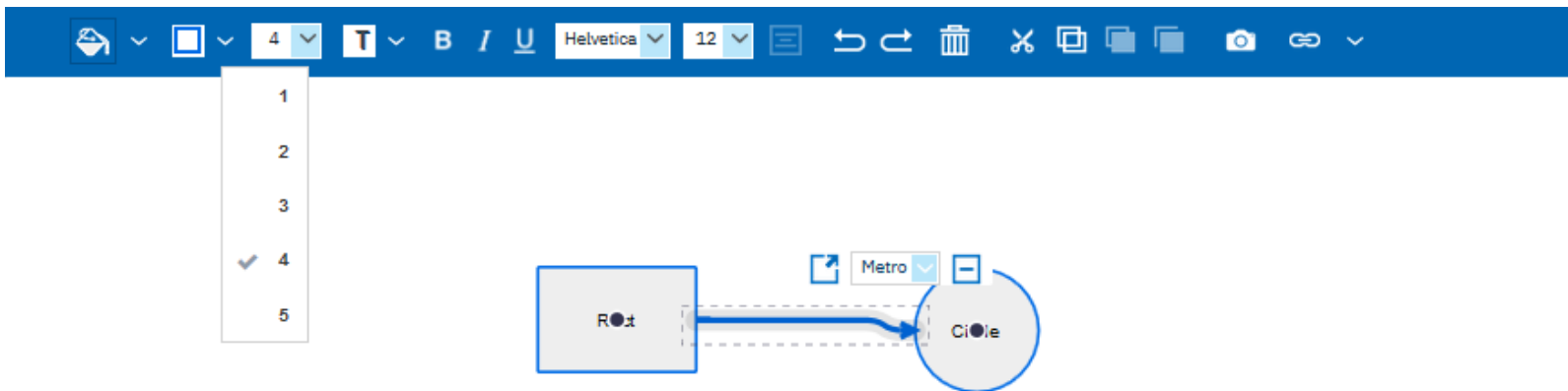
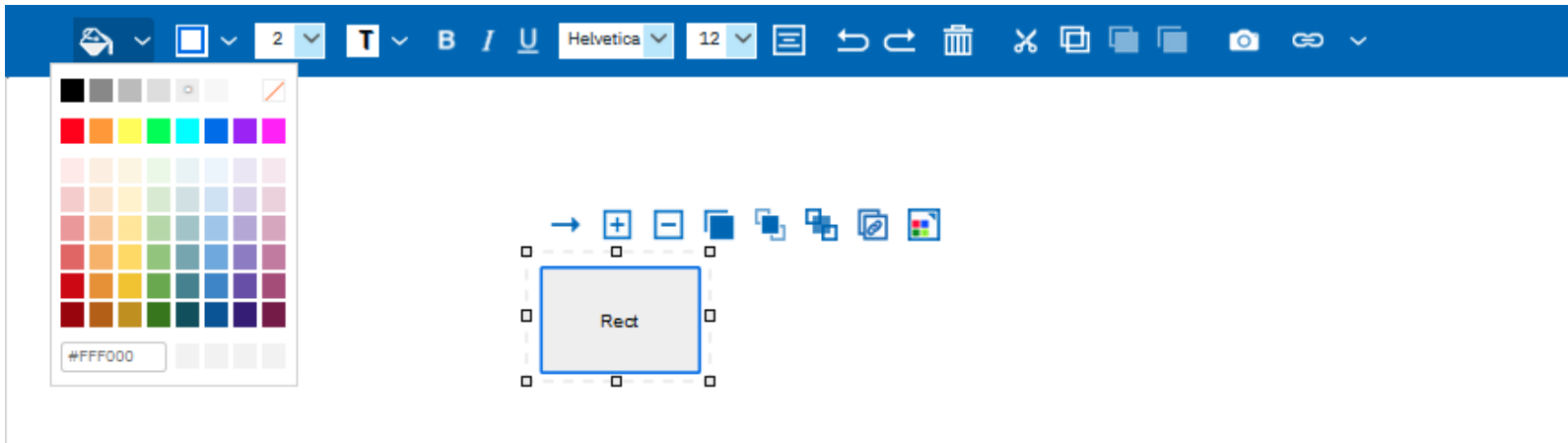
- Rich Text note is added with enriched text formatting options. Besides emphasizing the text with bold, italics, underline, strikethrough, and quotation mark options, you can also list, align, link, and change the font and its size.



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 format of the shape or text by selecting it and using the top toolbar icons. There are options such as fill color, stroke color of the shape and links, stroke width of the shapes and links, font, fontsize, stroke color, and so on:



Shapes – Copy and Duplicate

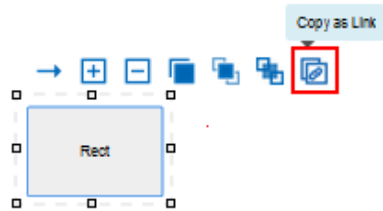
- You can either create a “Copy” of a shape or “Duplicate” it using the toolbar above the shape:



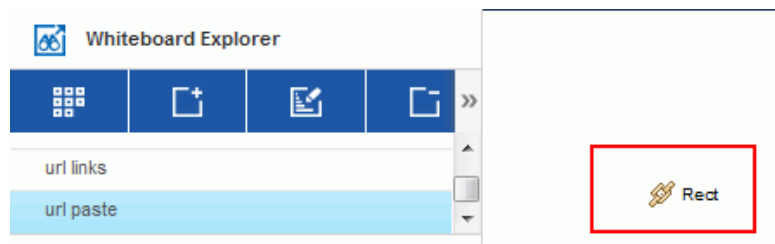
- “Copy” creates a new “view” of the same shape (same Model Element)
 - ▶ E.g. if you re-name the original, the “Copy” view also get re-named automatically
 - ▶ Note: Each view preserves its own formatting
- “Duplicate” create a completely new shape (and new Model Element)

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

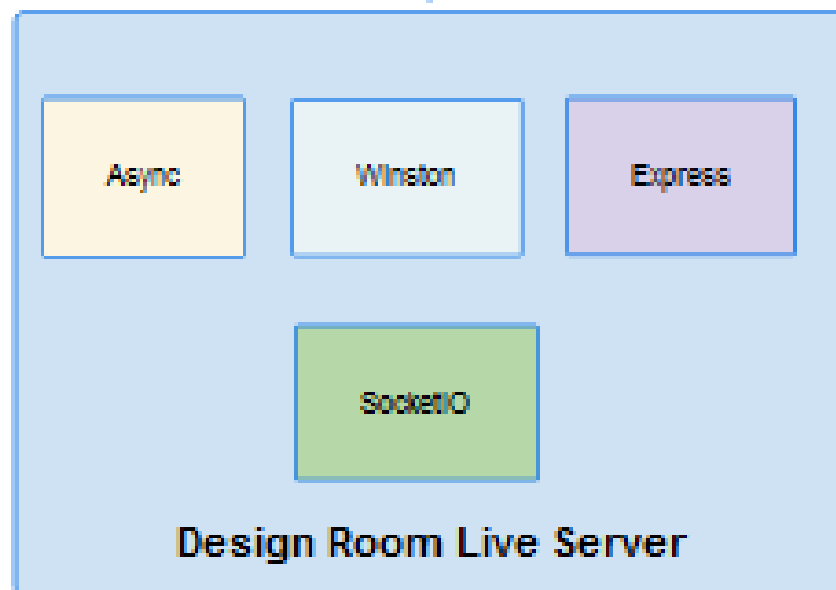


- Press Ctrl+V to paste the link in the destination whiteboard.
- This will paste the link to the shape in the Whiteboard. Click the link icon to navigate back to the shape.



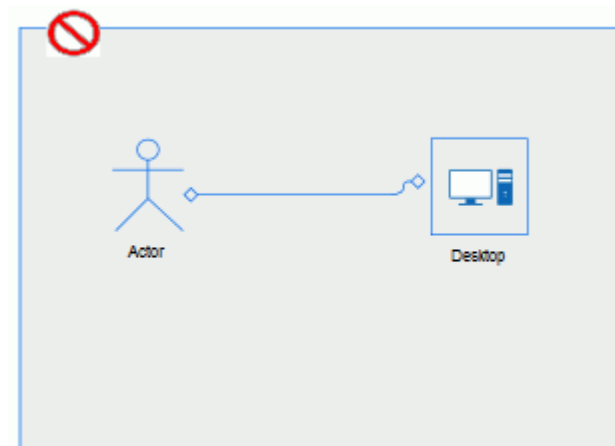
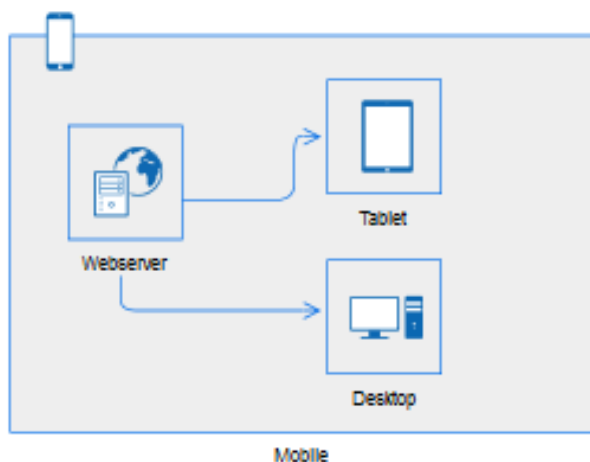
Shapes - Embedding

- 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

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

Palette Group details

☒ Show in Palette Explorer

Q: Name

✕ Delete

↑

↓

Shape Name	Type
Star	custom
CS	custom

Shape details

Shape Text

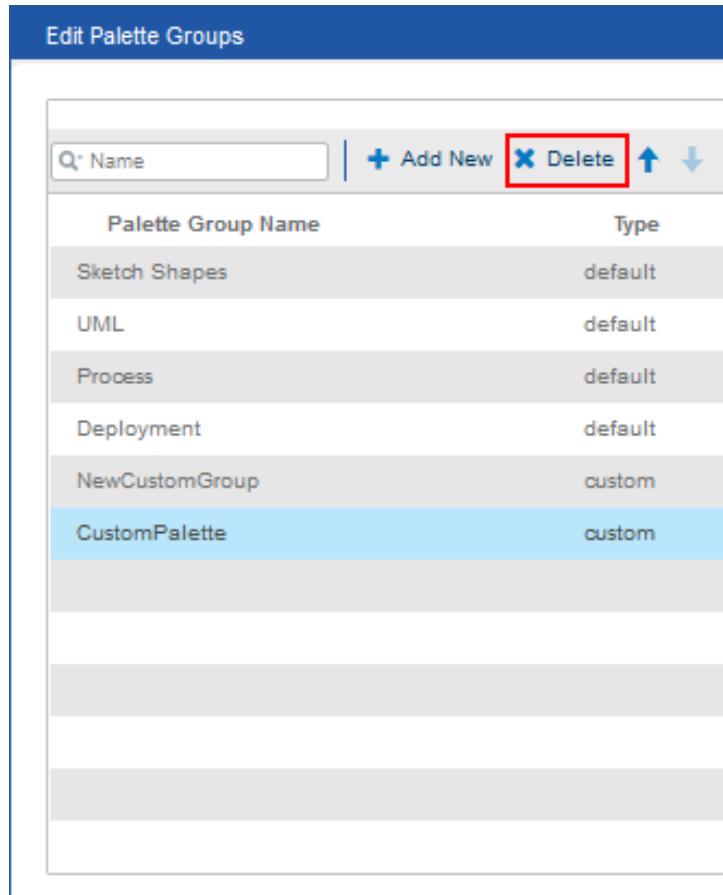
Tooltip

OK

Cancel

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.

The image shows two screenshots from the IBM Architecture Room software. The left screenshot is the 'Add Shape' dialog box. It has a title bar 'Add Shape' with a close button. Inside, there are fields for 'Shape Text' (containing 'Star'), 'Tooltip' (containing 'This is a new custom shape named "Star"'), and 'Q* Name'. Below these is a list of 'Palette Group name' options: 'NewCustomGroup' and 'CustomPalette' (which is highlighted with a blue background and a red box). At the bottom are 'OK' and 'Cancel' buttons. The right screenshot is the 'Palette Explorer' window. It has a title bar 'Palette Explorer' and a 'Search' field. Below the search field is a list of categories: 'Sketch Shapes', 'Deployment', 'Process', 'UML', and 'CustomPalette' (which is highlighted with a yellow background and a red box). Below the categories is a preview of a star shape (highlighted with a red box) and its tooltip: 'This is a new custom shape named "Star"' (highlighted with a red box).

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.

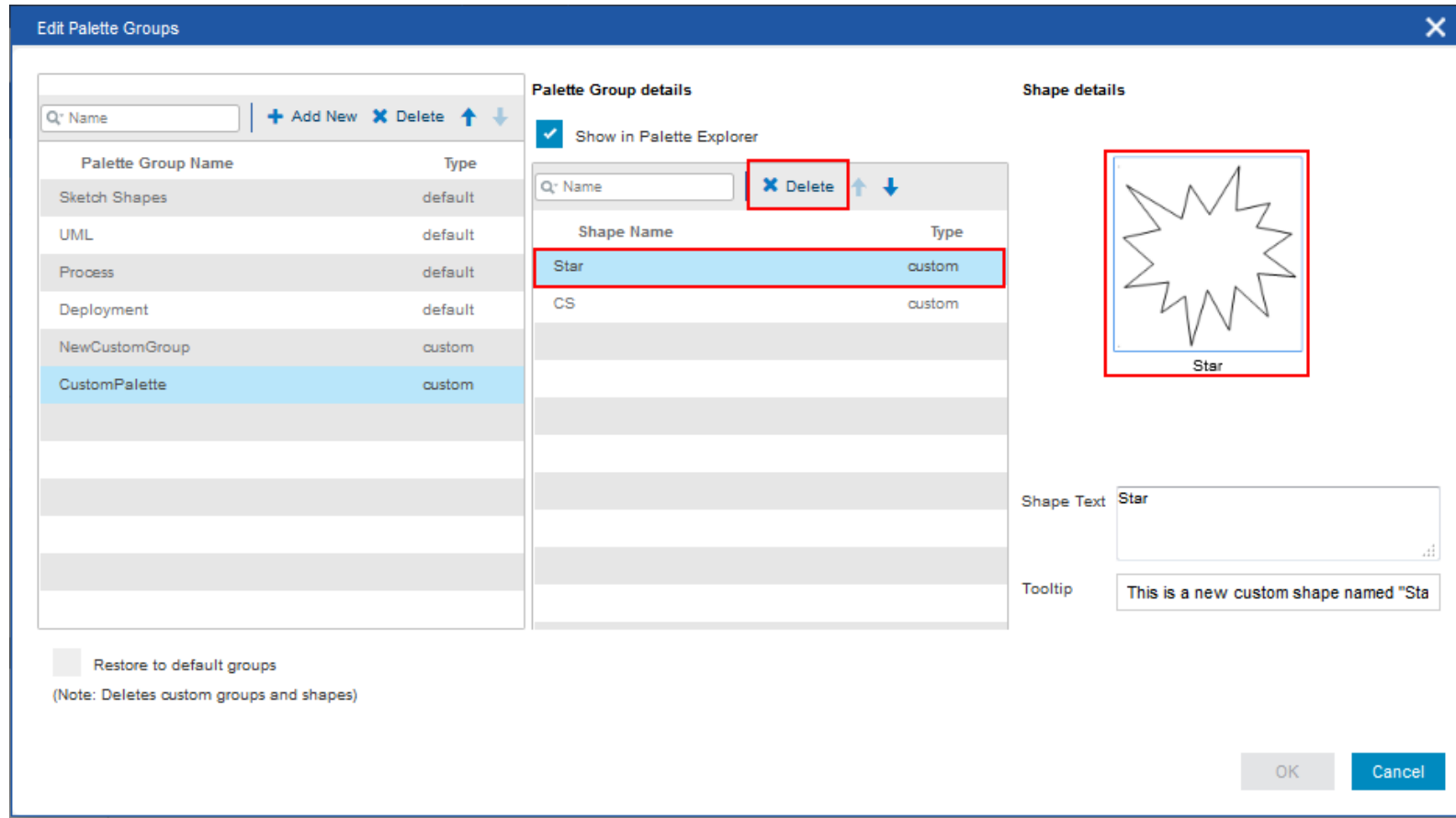
The screenshot displays the IBM Architecture Room interface for editing custom shapes. It consists of three main panels:

- Add Shape:** A dialog box for adding a new shape. It includes fields for 'Shape Text' (Star), 'Tooltip' (This is a new custom shape named "Star"), and a search bar for 'Q: Name'. Below the search bar is a list of 'Palette Group name' options: 'NewCustomGroup' and 'CustomPalette'. The 'CustomPalette' group is selected. At the bottom are 'OK' and 'Cancel' buttons.
- Palette Group details:** A panel showing a table of shape groups. The table has columns for 'Shape Name' and 'Type'. The 'Star' shape is listed under the 'custom' type. A 'Show in Palette Explorer' checkbox is checked. A search bar and 'Delete' button are at the top.
- Shape details:** A panel showing the details of the selected 'Star' shape. It includes a visual representation of the star shape and a 'Shape Text' field (Star) and a 'Tooltip' field (This is a new custom shape named "Star").

Below the main panels, there is an 'Edit Palette Groups' section. It shows a list of 'Palette Group Name' and 'Type' for various groups: 'Sketch Shapes' (default), 'UML' (default), 'Process' (default), 'Deployment' (default), 'NewCustomGroup' (custom), and 'CustomPalette' (custom). A 'Move up' button is visible next to the 'CustomPalette' group. To the right, there is a visual representation of a shape labeled 'CS'.

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.



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


↑

↓

☒ Show in Palette Explorer

Shape Name	Type
Star	custom
CS	custom

Shape details



Star

Shape Text

Star

Tooltip

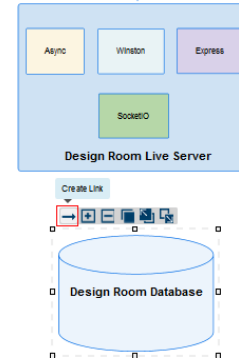
This is a new custom shape named "Sta

OK

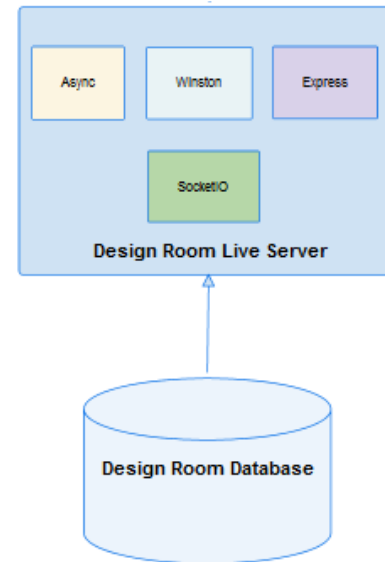
Cancel

Links

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

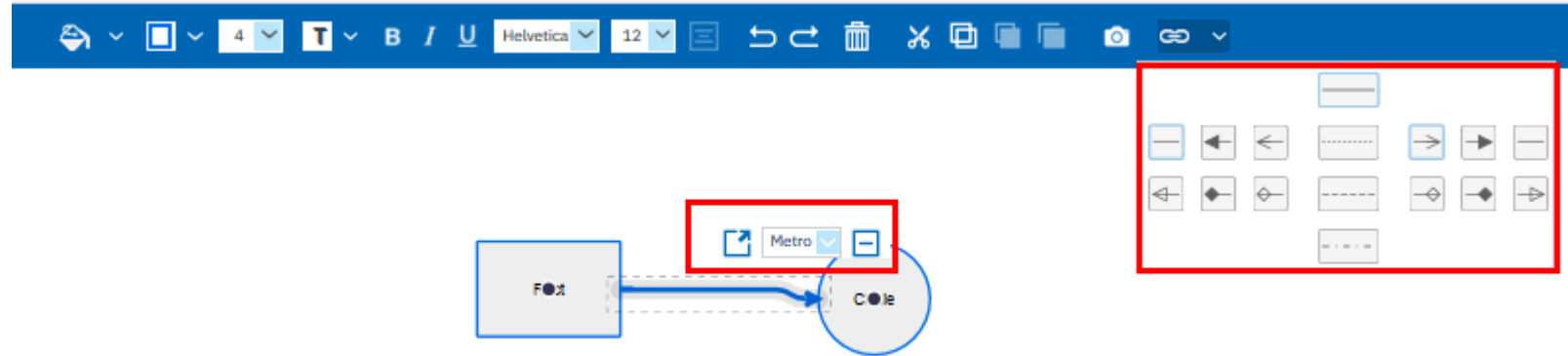


- As you move the end of the link over another shape, it will highlight the connectable points on that shape in small green circles:



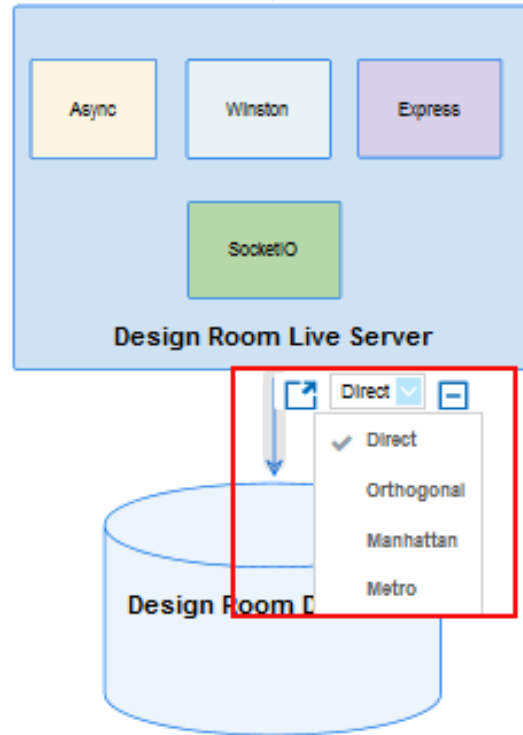
Links – Line/Arrow Style

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



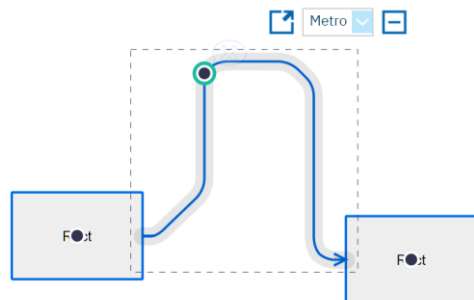
Links – Routing Style

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

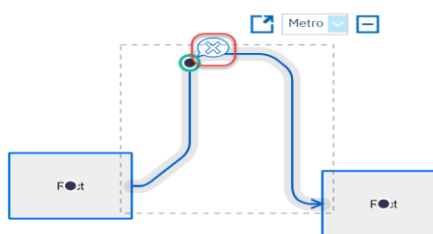
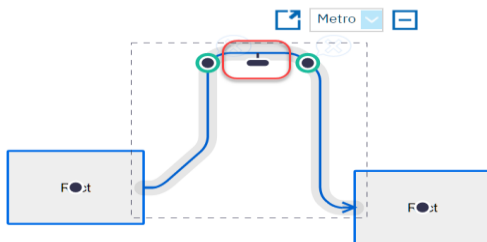


Links – Bend points

- You can customize how a Link routes by adding bend points and moving segments. To add a bend point, select a link and click and drag anywhere on the link to create a bend point:

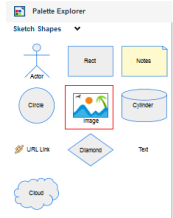


- You can add multiple bend points and remove them when needed. If you have multiple bend points, then you may also see an option to move the segment connecting them. Drag the handle up or down to move the segment.

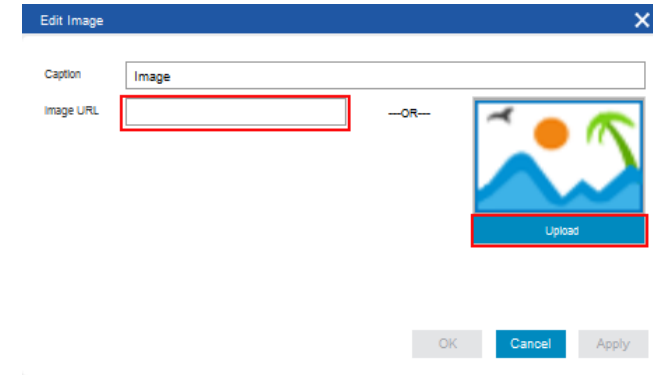


Images

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

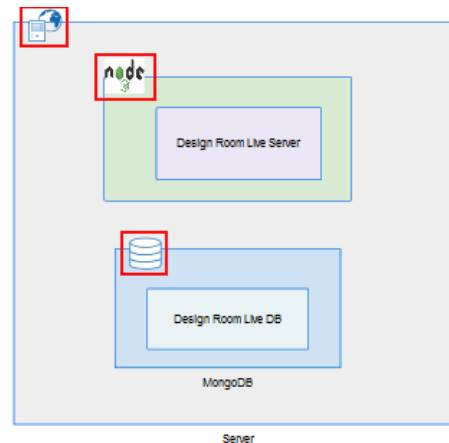


- You can either provide the URL to Image or Upload an image from your Computer



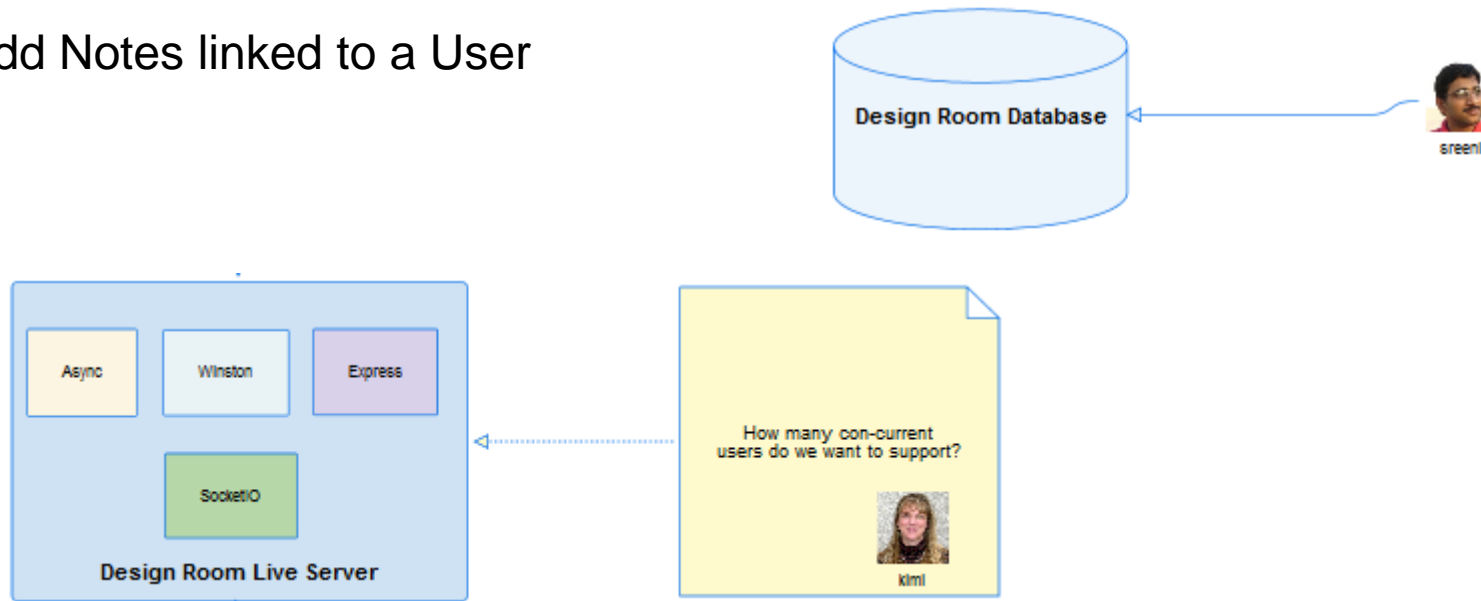
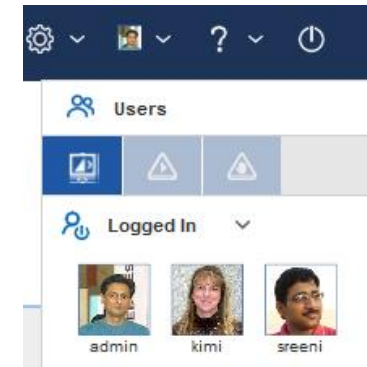
- Use Cases

- ▶ 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:



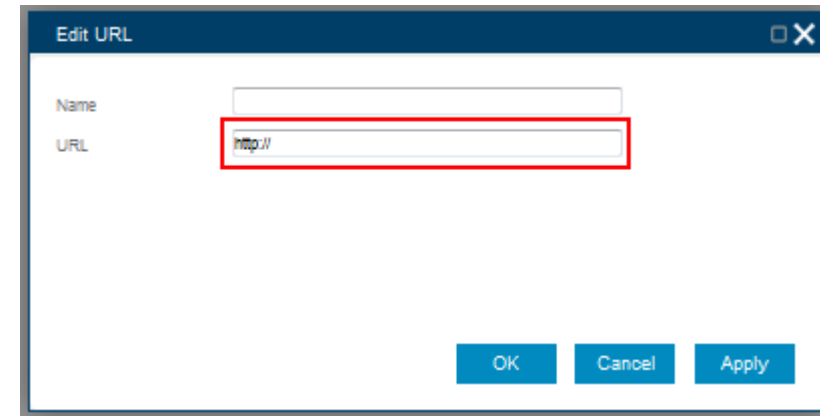
Images - User Images

- 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

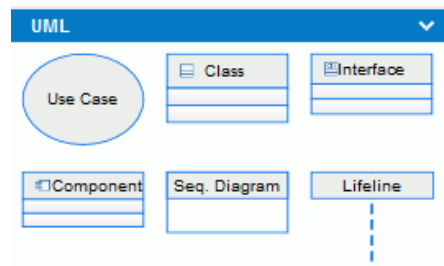


- Click the URL link to navigate to the whiteboard. Whiteboard URL Links get automatically updated when you rename the linked whiteboard. In case the linked whiteboard is deleted, then the URL Link will be marked in red.

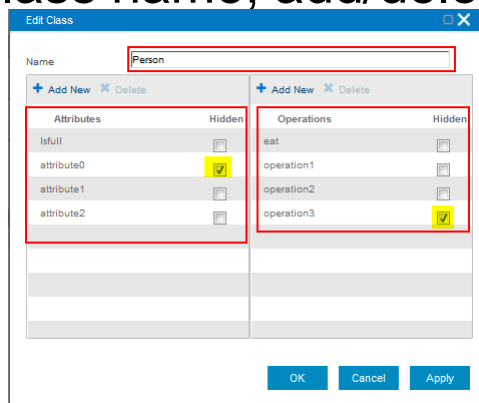


UML - Classes / Interfaces

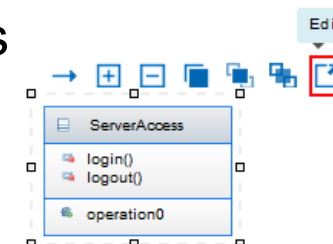
- Create Use Case/Classes/Interfaces/Sequence Diagrams/Lifelines using the shape icons from the UML section of the stencil:



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



- 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:



UML - Classes / Interfaces

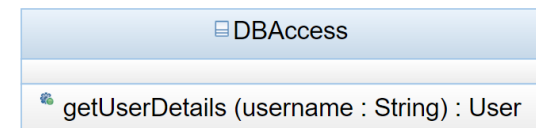
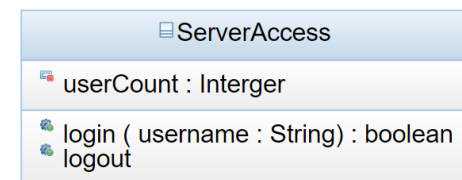
- You can model Attribute type or Operation signature by **naming** them using the following conventions:

- ▶ Attribute

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

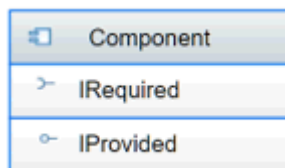
- ▶ Operation

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

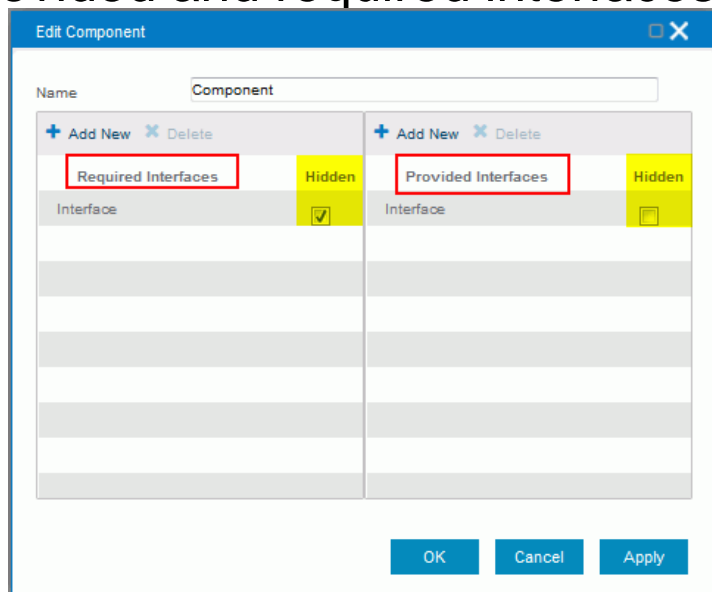


UML - Components

- In UML modeling, components are model elements that represent independent, interchangeable parts of a system. They conform to and realize one or more provided and required interfaces, which determine the behavior of components. Components make a system more flexible, scalable, and reusable.

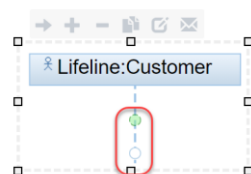
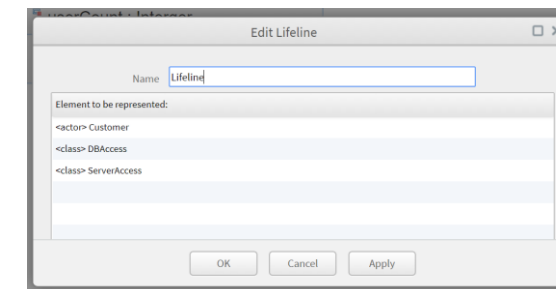


- Provided and required interfaces in components

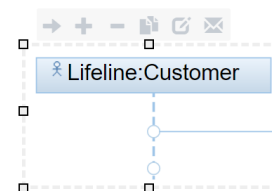


UML - Lifelines

- 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:

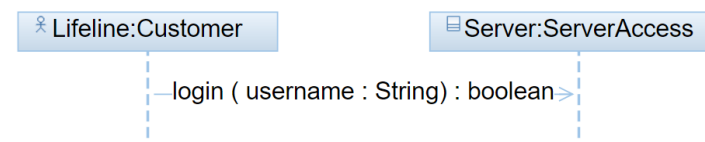


Server:ServerAccess



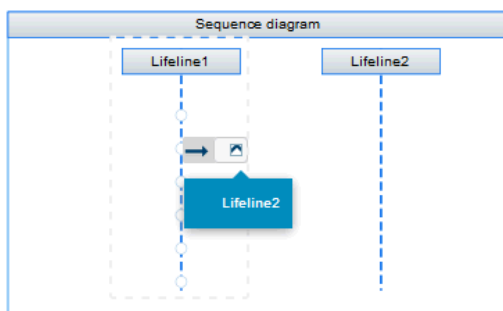
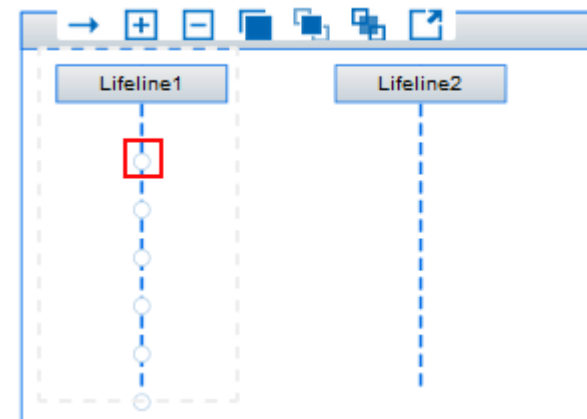
Server:ServerAccess

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

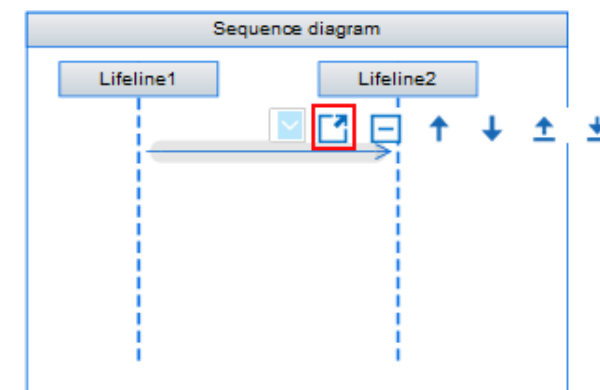


UML Lifeline Messages – create lifeline messages

- 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.

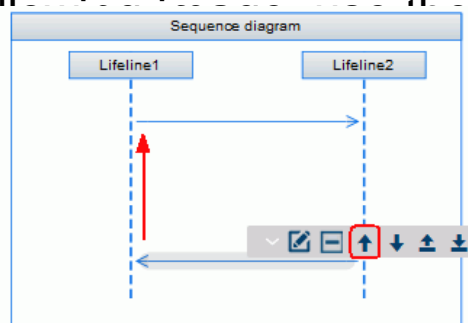


- Provide the label, source, and the target names in the **Edit Link** window.

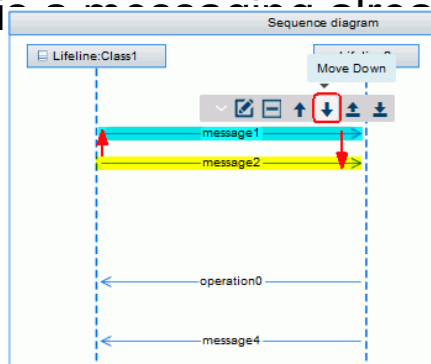


UML Lifeline Messages – moving single message across the lifeline

- 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 diagram, the Move Up icon to delete the unnecessary space between the existing messages.

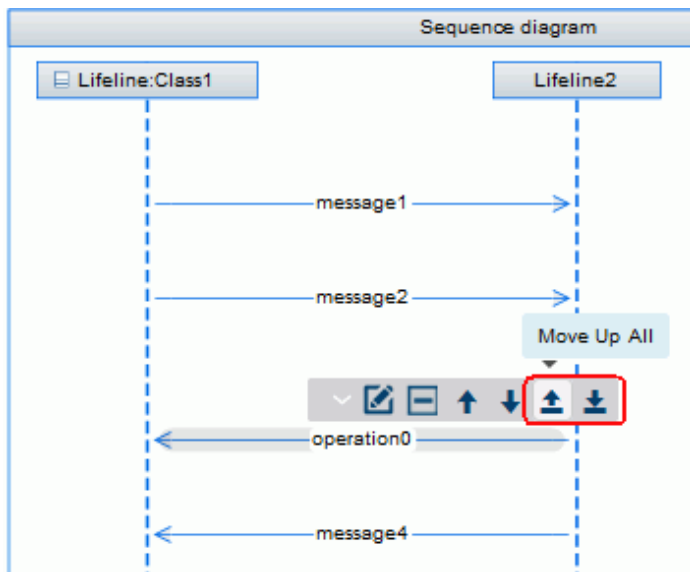


- If there is a message already in the target location, the message locations are swapped.



UML Lifeline Messages – moving multiple messages across the lifeline

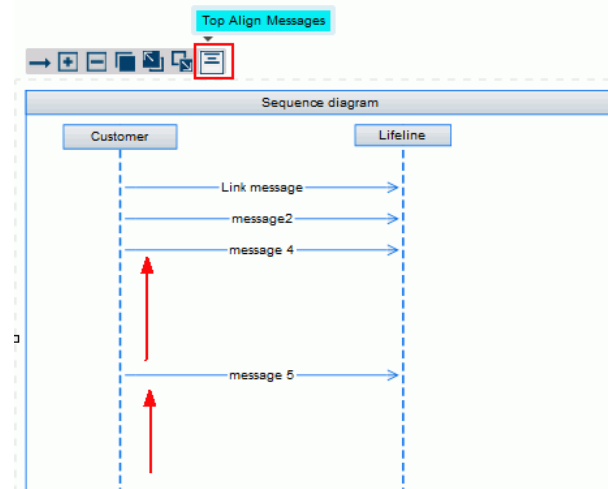
- You can also move multiple message by selecting the Move Up All or Move Down All options.



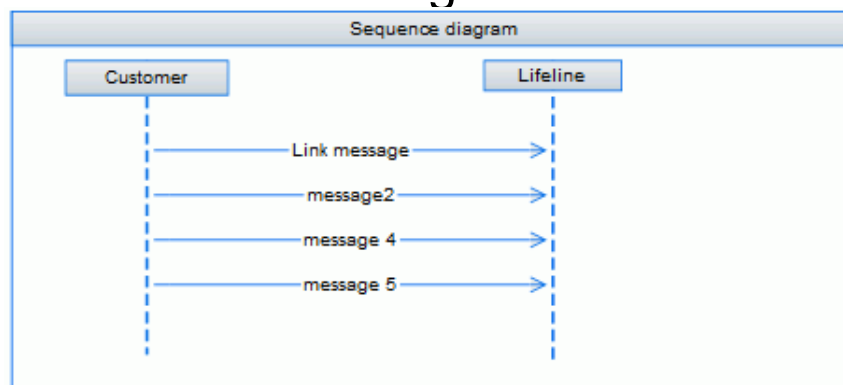
When you are trying to move all the messages up or down, you must ensure that there is space for the messages to move, otherwise the movement does not happen.

UML Lifeline 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**.

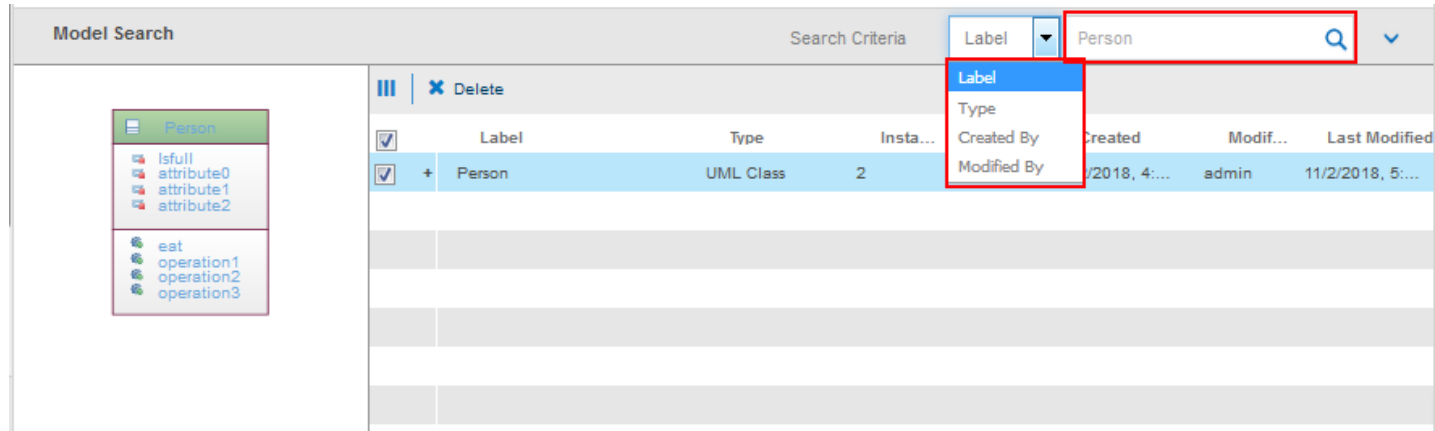


- After the alignment, the lifeline messages will look as follows:



Search

- You can search for Model Elements (and instances of shapes referencing them) by specifying their label, type, created by, or modified by attributes in the Search toolbar.



- 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 your search string without any wildcards
- Search results are limited to first 100 matches

Search

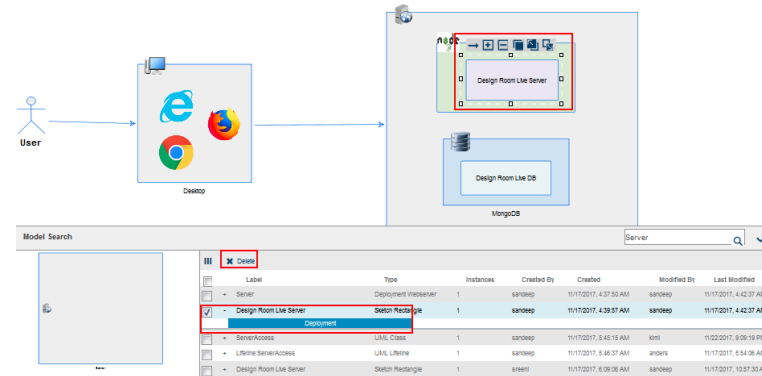
- You can also click on the '+' icon next to the search result to see which whiteboards have shapes instances based on that Model Element
- Just click on the Whiteboard name and that whiteboard will be opened with that shape selected

The screenshot displays the IBM Architecture Room interface. The top section shows a whiteboard with various UML shapes: a 'Person' class (rectangle with a green header), an 'Interface' (rectangle with a blue header), a 'Component' (rectangle with a green header), and a 'Use Case' (green oval). The 'Person' class is highlighted with a red box. Below the whiteboard, the 'Model Search' panel is visible. It includes a search criteria dropdown set to 'Label' and a search input field containing 'Person'. The search results are displayed in a table with columns: Label, Type, Instances, Created By, Created, Modified By, and Last Modified. The table shows one result for 'Person' (UML Class) with 2 instances, created by 'admin' on 11/2/2016. A red box highlights the 'NewClass' button next to the result.

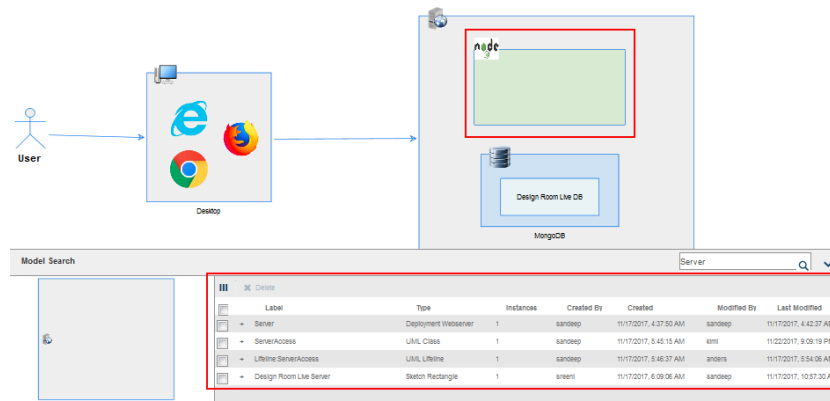
Label	Type	Instances	Created By	Created	Modified By	Last Modified
Person	UML Class	2	admin	11/2/2016, 4:29:13 PM	admin	11/2/2018, 5:25:46 PM

Search – Delete model element

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

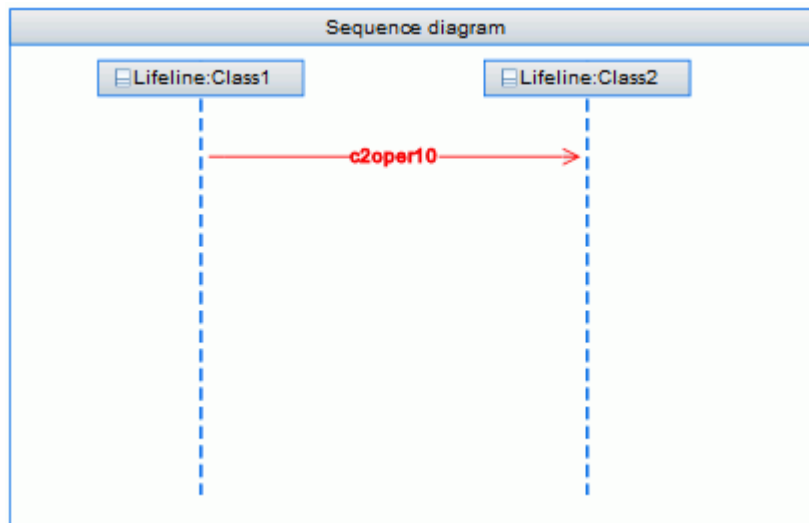


- All instances of the model elements across all whiteboards will be deleted, and the list of results will reflect the change in the number of instances found for the element.



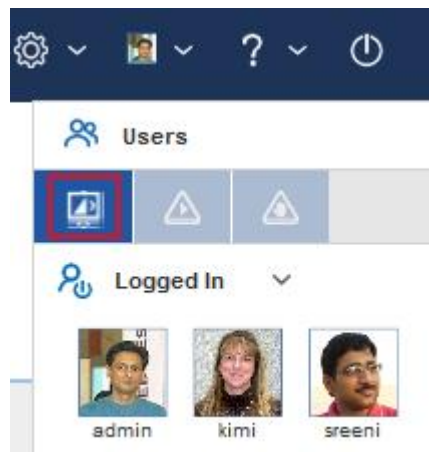
Search – Deleted elements are marked in red

- 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.

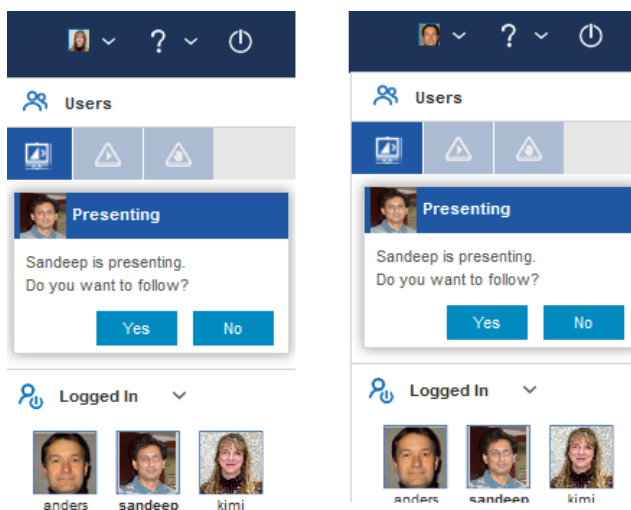


Presentation Mode

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

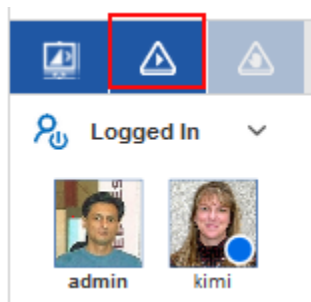
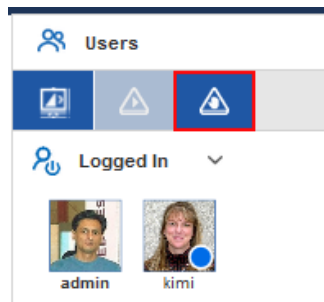


- Other Users (Viewers) will get a notification asking them if they want to follow your presentation:



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

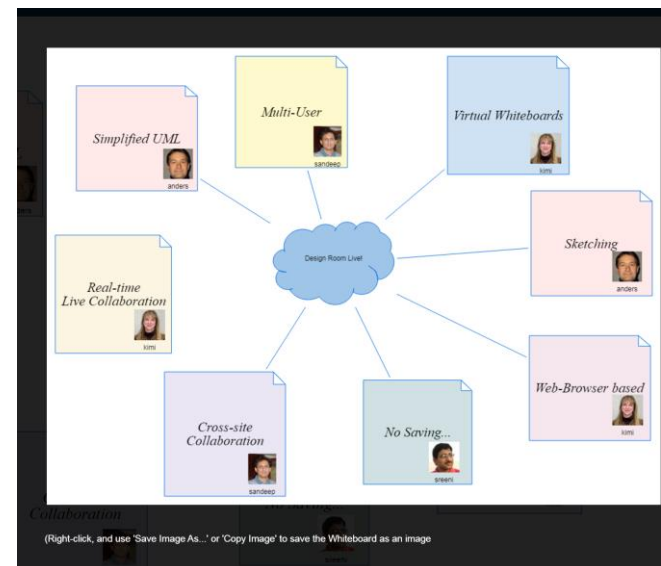
- You can copy images as Image shape directly into whiteboards from other Application which support image copying, e.g. RSAD, Microsoft Word/Power Point/Visio etc.
- Open the other Application and copy an image to the clipboard
 - ▶ E.g. in RSAD, open a diagram, select the element in the diagram to be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

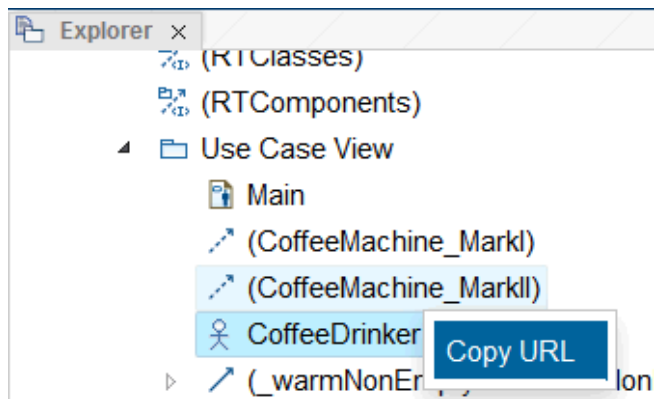


- This will open the image of the whiteboard in a pop-up, which can then right-click save as an image and import into other Application
- You can also select an individual shape to copy just its image



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.

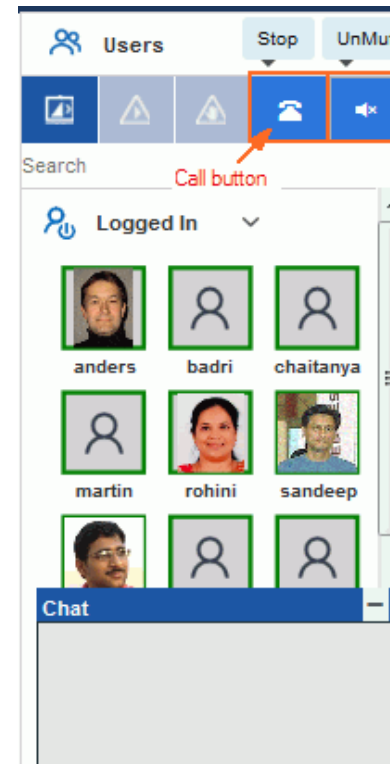
Experimental features

- These are new and evolving features that are not completely tested or finalized yet, but are delivered to users for use, aiming at studying, observing, and analyzing the reception, value, and expectations from the users.
- **Warning:** There is no support offered for these features and can be removed at any time without prior notice.
- **Important:** Only users with administrative authority can enable or disable the experimental features.

Note that these features might not be complete including aspects in development such as development, testing, documentation, accessibility, etc. In the process of trying the feature, you might encounter unexplained errors, application failing or restarting, usability constraints, loss of data, or other limitations.

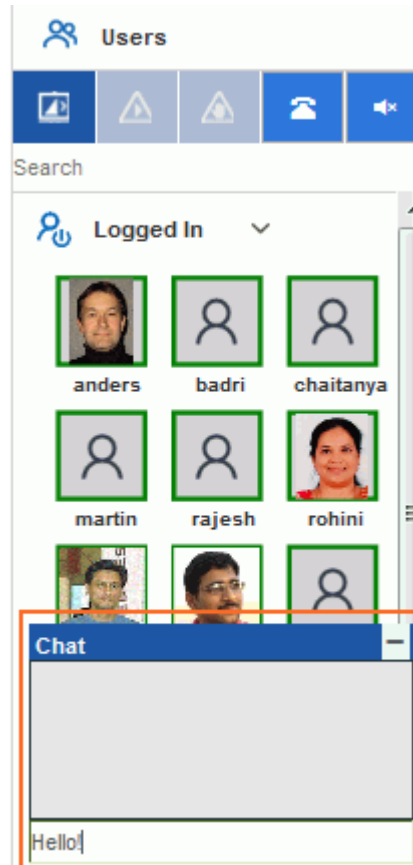
Experimental features – Audio conference

- Live! introduces the audio conferencing feature to enhance its real-time collaboration experience. Users that are logged into Live! can start or join an audio conference. You can join the conference by simply clicking the Call icon. All users that are participating in the conference are audible at real-time. There is a Mute button to mute yourself, if you are not speaking. Call is a toggle button that is used to both call or stop the call. There is also an indicator on the user icons to show whether the users are speaking or on mute.



Experimental features – Chat

- This is a group chat feature that connects with all the users that are logged in through text messages. This is very useful to send instant text messages to users and is useful to share any text messages when there is a live audio conference.



Thank you!