

Design Room ONE User's Guide

With Design Room ONE you can export your models to a server. By doing so it becomes possible to view the models in a web browser without having the modeling tool installed. Supported modeling tools include: Rational Software Architect Designer (RSAD), DevOps Model Architect (DMA), Rational Software Architect RealTime Edition (RSARTE) and [HCL RTist](#). You can also create links to elements of an exported RSAD/DMA/RSARTE/RTist model from artifacts of Jazz CLM tools and other OSLC-compliant tools. For example, you can create a link from a requirement in DOORS NG to a use case in your model, to express the fact that the use case specifies the requirement.

With Rational Publishing Engine, you can create reports that contain data from Design Room ONE. If the elements have links to OSLC artifacts these can also be included in the report.

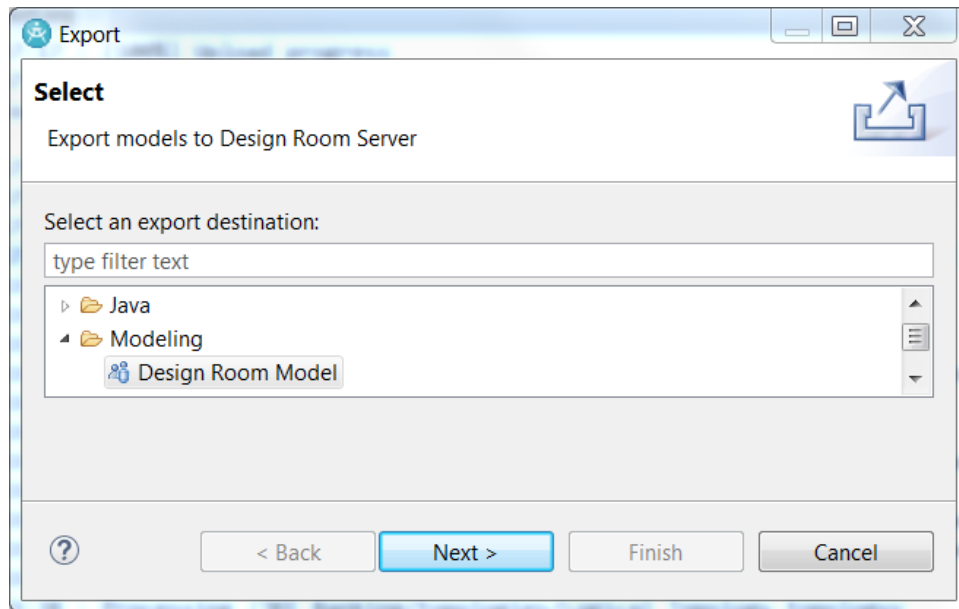
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Exporting a model

To get started, the first thing you need to do is to export a model to a Design Room ONE server. This is done by means of an Export wizard in RSAD/DMA/RSARTE/RTist.

In RSAD/DMA/RSARTE/RTist open *File - Export - Modeling - Design Room Model*:



If you don't see this exporter you probably did not install the Design Room ONE Integration plugin yet. Refer to the [installation instructions](#) for how to do that.

The Export wizard contains a few pages for specifying which parts of the model to export, and how to access it on the Design Room ONE server.

Page 1: Setup a server connection

The screenshot shows a software window titled 'Export' with a tab labeled 'Design Room Model'. Below the tab is the text 'Step 1: Setup a server connection'. The window contains several input fields and checkboxes. The 'Server URL' field has the text 'https://localhost:10101/dr' and an example 'E.g https://servername:10101/dr'. Below it is a checked checkbox labeled 'Allow insecure connection'. The 'Design name:' field contains 'MyExportedDesign' and has a 'Browse...' button to its right. Below this is a section titled 'Local Configuration' with an unchecked checkbox 'Export local configuration' and a text field 'Name of branch, stream, etc.' containing 'linktest'. At the bottom are four buttons: a help icon (?), '< Back', 'Next >', and 'Finish' (highlighted in blue), and a 'Cancel' button.

On this page, you need to provide the URL to the Design Room ONE server (refer to the [installation instructions](#) for how to install and start the server). If the server is running with default settings locally, on the same machine where RSAD/DMA/RSARTE/RTist runs, the URL would be: <https://localhost:10101/dr>

If your Design Room ONE server uses a self-signed certificate (or some other certificate that is considered insecure), you must mark the checkbox **Allow insecure connections** to be able to connect to the server.

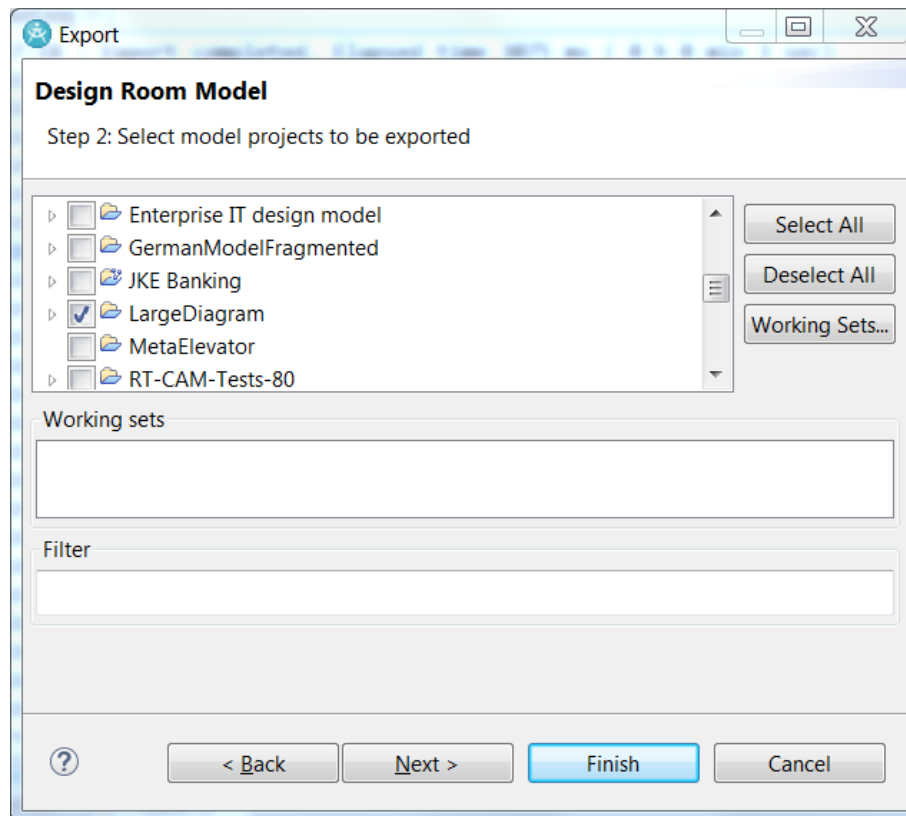
You also need to provide a name for the exported design. Design Room ONE uses the term **design** to denote a set of exported models. It is like the workspace concept in RSAD/DMA/RSARTE/RTist, but there is usually not a direct mapping between workspaces in the modeling tool and designs on the Design Room ONE server since it is common to only export a subset of the model projects that are present in the RSAD/DMA/RSARTE/RTist workspace. Names of different designs should be unique on the Design Room ONE server. Use the **Browse** button to check what other designs are already present on the server.

You can also specify exporting a **local configuration**. This is the name of the currently active local configuration in your SCM system for the exported model. For example, you can specify the name of a branch in Git or the name of a stream in RTC. You can also use another name that is meaningful to you and that describes the current version of the exported model. The combination of a design name and a

local configuration name uniquely identifies the exported design and must therefore be unique. Exported designs with the same name, but different local configuration, should be used for different versions of the same design.

If the chosen design name (and local configuration name, if specified) already exists on the server, that design will be updated with the contents of the exported models. This is useful if you made changes to a model that was previously exported, and now want to update the exported design to contain those changes. If you instead prefer to export a new version of the existing design, make sure to specify a different local configuration for it.

Page 2: Select model projects to be exported

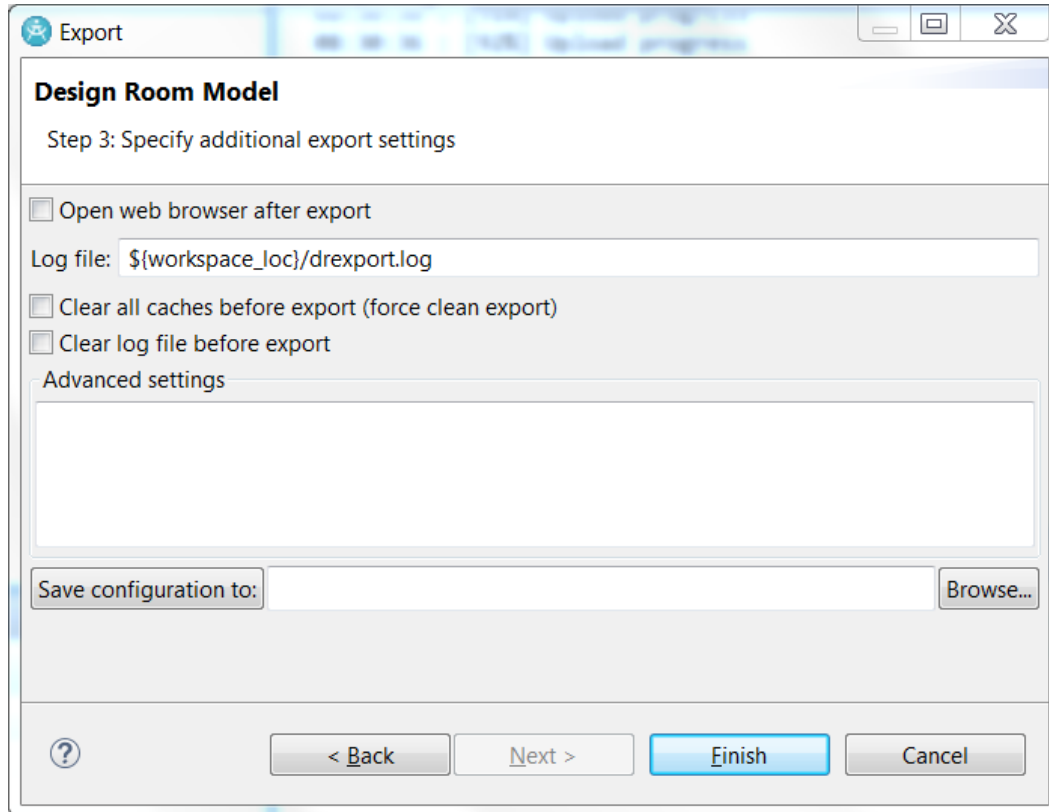


On this page, you specify which model projects in your workspace that should be exported to Design Room ONE. If you launched the export wizard by right-clicking on a model project in the Project Explorer, and then performed the *Export* context menu command, that model project would already be marked in the list. Otherwise, you need to mark the projects yourself.

If you have working sets in your workspace for grouping related projects, you can use the **Working Sets** button to specify the projects to export by selecting one or many working sets. In that case the working sets themselves will also be exported to the Design Room ONE server. This makes it possible to use them also when later viewing the exported model in a web browser.

The **Filter** box is for excluding certain parts of the selected models from being exported. However, the syntax for specifying excluded elements are still under development, so for the moment this feature should only be used in case of troubleshooting (in cooperation with HCL).

Page 3: Specify additional export settings



The third wizard page contains a few additional export settings. Note that this page is optional, and you can skip it by pressing Finish already on the second page (actually, also the second page is optional if you launched the Export wizard from the context menu).

- **Open web browser after export**

If set, the web browser specified in Eclipse will be opened to show the exported design in the Design Room ONE web application after the export has finished.

- **Log file**

This preference allows you to specify to which file the exporter will print diagnostic messages. It can be useful to look in that file in case something unexpected happens during the export.

- **Clear all caches before export (force clean export)**

To get good export performance some information about an exported model is cached in the Eclipse workspace metadata. If an exported design appears to have obsolete information in the web application, you can try to mark this checkbox to clear the caches. This makes the export take longer.

- **Clear log file before export**

Set this preference to clear the log file from messages before starting the export. It can be good to set this preference if you perform lots of exports so that the log file becomes very long.

- **Advanced settings**

This field can be used for specifying advanced settings. It's mostly for internal use only, and you only need to use it if you are advised to do so to resolve problems that may occur during the export (see [Troubleshooting Problems When Exporting Models](#)).

Automated Export


The data you enter in the Export wizard is saved in your workspace, so you don't have to re-enter everything the next time you want to export a model to Design Room ONE. However, if you need to export the same or different models on a regular basis, you should consider automating the export procedure using an Ant script. Here is an example of such an Ant script:

```
<project name="automaticExportToDesignRoom" default="export" basedir=".">
  <target name = "export">
    <com.hcl.design.room.exporter.ui.exportModelsTask
      configuration="C:\temp\config.xml"
      importFrom="C:\RSA_DR_workspace\JKE Banking">
    </com.hcl.design.room.exporter.ui.exportModelsTask>
  </target>
</project>
```

The Ant task `com.hcl.design.room.exporter.ui.exportModelsTask` accepts the following parameters:

- **configuration**

Specifies a configuration file that contains the export settings. You can create this file from the Export wizard by clicking the **Save configuration to** button on the third wizard page.



The image shows a user interface element from the Export wizard. It consists of a button labeled "Save configuration to:" followed by a text input field. To the right of the input field is a "Browse..." button.

- **importFrom**

Specifies a directory from which projects can be imported to the workspace before exporting them to Design Room ONE. Use of this parameter is optional and you can omit it if your workspace already contains all projects to be exported.

- **imageCache**

Specifies a directory to be used as cache for diagram image generation. Use of this parameter is optional and if you omit it a directory in your workspace metadata will be used (the same as if you would run the export manually from the Export wizard).

To avoid hardcoded paths in the Ant task parameters you may use the following variables:

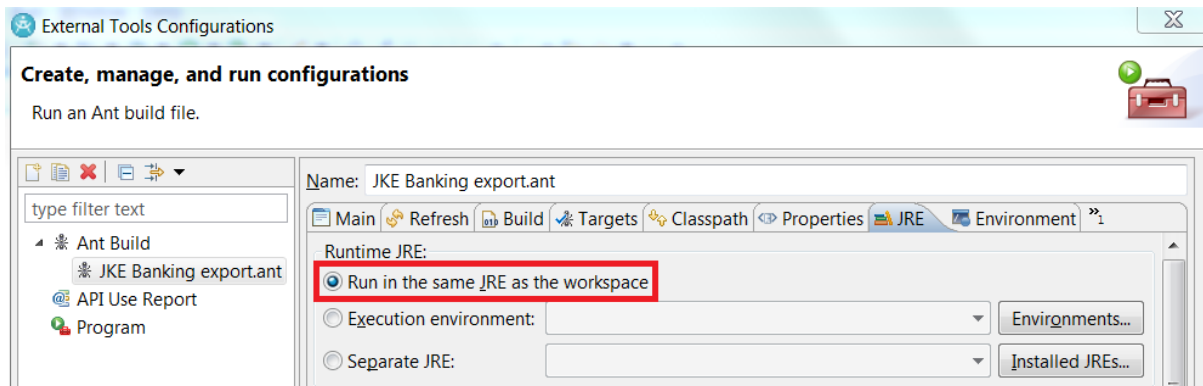
- **\${ENVVAR}**

Expands to the value of an environment variable ENVVAR.

- **\${workspace_loc}**

Expands to the location of the current workspace.

If you want to run the Ant script from within RSAD/DMA/RSARTE/RTist (for example, in case you need to debug it) you can just add it to a project and run (or debug) it as an Ant Build. Ensure that the setting “Run in the same JRE as the workspace” is set in the launch configuration.

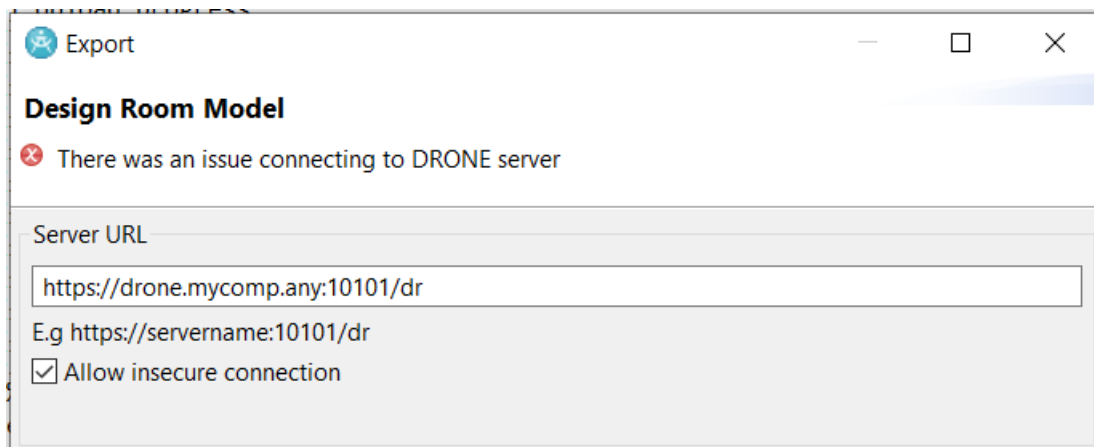


If you want to run publishing task in RSAD from command line you must use application id `org.eclipse.ant.ui.antRunner`. To run publishing task in RSARTE/RTist from command line you must use application id `com.hcl.design.room.exporter.ui.DRExporter`. Check [Automated Export to Design Room ONE](#) document for details.

In addition to running your export Ant script manually, it can be useful to run it automatically either according to a schedule (for example nightly) or based on when a change is delivered in your SCM system. Refer to the documentation of your SCM system for how to listen for such notifications. [Automated Export to Design Room ONE](#) and [this video](#) show how notifications from GIT can be used to trigger exports.

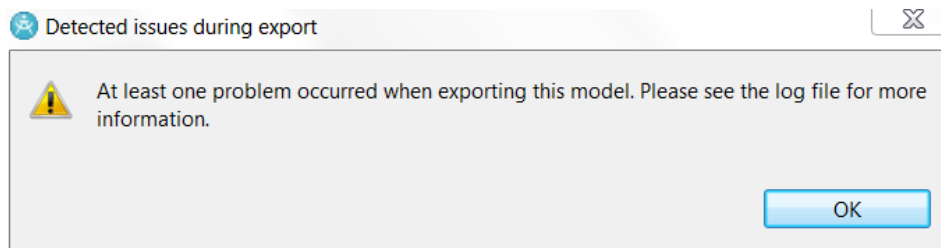
Troubleshooting Problems When Exporting Models

If the following problem is reported when connecting to Design Room ONE server



One of the possible reasons could be that the modeling tool is configured to use TLSv1 and Design Room ONE server requires TLSv1.2. Please refer to “**Configure HTTPS**” section of the [Installation instructions](#) document for options to resolve it.

If problems occur during export of a model to Design Room ONE, you will be notified with a warning dialog:



You should then look in the exporter log file to learn more about the problem(s) that occurred. Search for the words “WARNING” or “ERROR” to find the problems in the log file.

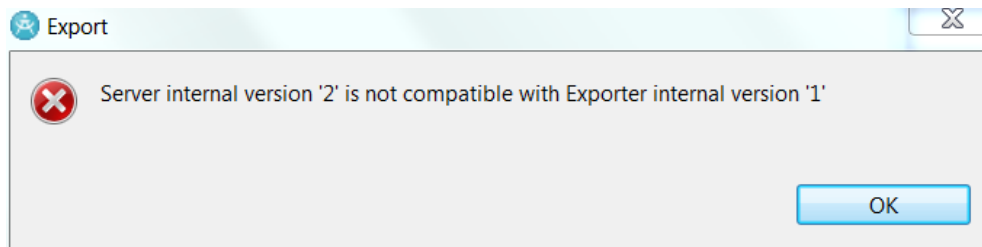
One common problem is that elements in the RSAD/DMA/RSARTE/RTist model may not have unique IDs. The reason for duplicate IDs could for example be that the model was created by copying model files in the file system. The result of exporting a model that contains elements with duplicate IDs is that some elements will be missing when you browse the exported design in Design Room ONE.

RSAD/DMA/RSARTE/RTist provides a command *Modeling – Fix Duplicate Identifiers* that can be used to fix such problems. If you don’t want to change the IDs in your model you can instead set a preference when exporting so IDs are generated in a different way that makes them unique. Enter the line below in the **Advanced settings** field on the last page in the Exporter wizard:

```
JE.setIDMode("URI");
```

The exporter will then use the full URI of elements to generate their IDs in Design Room ONE. Note, however, that since the URI contains the path to the model file, the ID will change if you refactor your model in RSAD/DMA/RSARTE/RTist. So, for example, you should avoid refactoring elements that you target with OSLC links, as these links would then become broken after the refactoring.

A special kind of export problem occurs when the Design Room ONE server is not compatible with the Design Room ONE Integration plugin that has been installed in RSAD/DMA/RSARTE/RTist. In this case you will get an error message and cannot export the model.



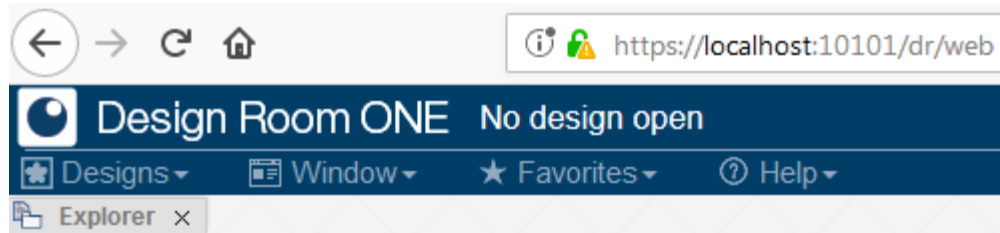
You must then either switch to another Design Room ONE server, or update RSAD/DMA/RSARTE/RTist with a newer version of the Design Room ONE Integration plugin. A good way to avoid this problem is to ensure that you always install the Design Room ONE Integration plugin from the Design Room ONE server you will export the model to. See [the installation instructions](#) for more information.

Browsing an Exported Design

Shortly after you have exported a design to the Design Room ONE server, you can view it in a web browser. Take the URL that you used when exporting the model in RSAD/DMA/RSARTE/RTist and append '/web'.

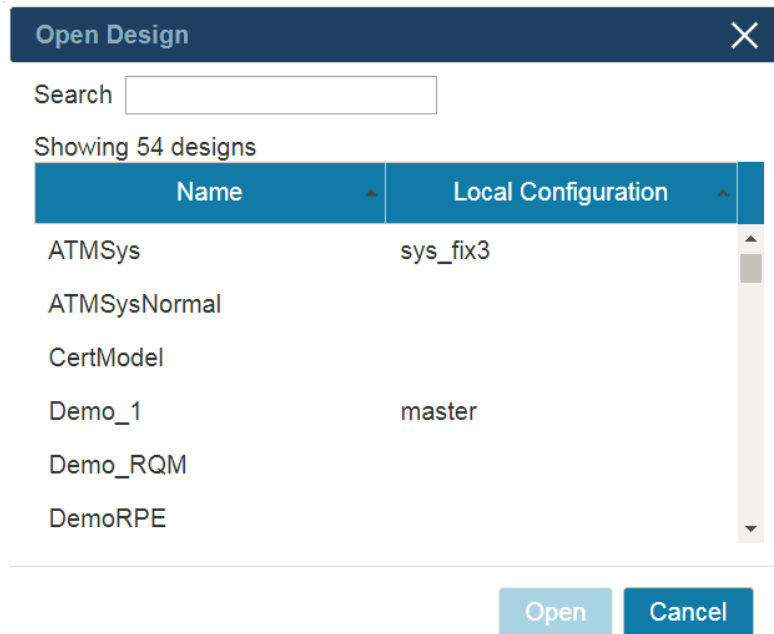
For example: <https://localhost:10101/dr/web>

The Design Room ONE web application will appear. It will look like this (screen shot from Firefox):



Note the small security warning icon in the address field that shows that the web server uses a self-signed certificate. You would not see this if you have configured the web server to use a trusted certificate.

Open the Designs menu and perform the command **Open**. A dialog appears, showing the list of designs that are available on the server:



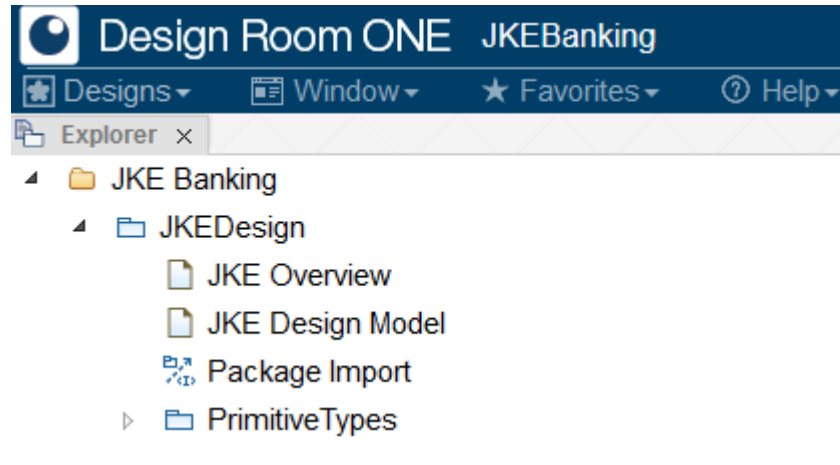
Note that the Local Configuration column is only shown if there is at least one design with a local configuration.

You can use the **Search** field for filtering the list of designs, either on name or local configuration. Type a few characters and the list will be filtered to only show designs with names or local configurations containing those characters. Press the **Open** button to open the selected design.

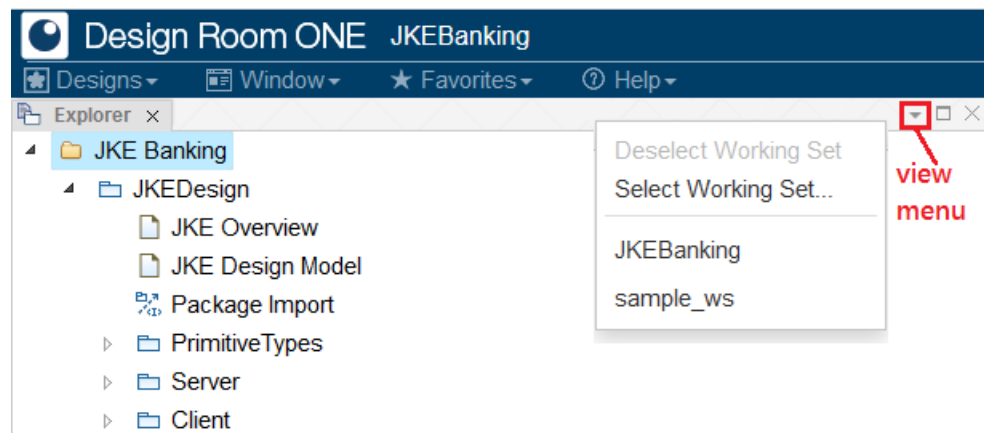
Note! Your administrator may have configured the Design Room ONE server so that it requires authentication before you can open a design. In that case you will see an error message in the Open Design dialog that tells you to first login. When the server is configured to require authentication, several features in Design Room ONE will not work until you have logged in. Currently only Jazz authentication is supported. See [this chapter](#) for more information about how you can login to Jazz.

Explorer View

The Explorer view shows all the projects that are contained in the design (i.e., the ones you selected when exporting the design). This view is hence like the Project Explorer view in RSAD/DMA/RSARTE/RTist. For example:



By default, the Explorer view is organized to show the projects as root nodes. However, if the design contains exported working sets you can use the “view menu” to switch to instead using working sets as the root nodes.



The view menu shows all available working sets. It also contains a command **Select Working Set** which can be used if you want to activate multiple working sets. To go back to the default mode of showing the projects as root nodes, perform the command **Deselect Working Set**.

Browsing the design in the Explorer view is very similar to using the Project Explorer in RSAD/DMA/RSARTE/RTist. You can expand and collapse nodes using either the mouse or the keyboard. You can navigate by typing the first character of an element, and if you want to search for a particular node you can use the search capability of the web browser. However, the web browser search can obviously only find Explorer nodes that are currently expanded. To find nodes with a certain name in a collapsed Explorer view, use the [Search](#) feature.

Note! The contents of the Explorer view in Design Room ONE may differ from what is shown in the Project Explorer in the modeling tool. In RSAD/DMA/RSARTE/RTist you can set various preferences to control which nodes to show, and how to sort them. Design Room ONE currently only implements the

default filtering and sorting of RSAD/DMA/RSARTE/RTist. This means that if you have not changed preferences in the modeling tool related to filtering and sorting, the contents of the views should be very similar. Note that just like in RSAD/DMA/RSARTE/RTist the alphabetical sorting depends on your regional language settings (locale). In Chrome and Firefox you specify the language to use in the browser preferences, while Internet Explorer uses the regional settings defined by Windows.

Just like in RSAD/DMA/RSARTE/RTist you can select multiple elements in the Explorer view by clicking while holding down the CTRL or SHIFT key. Most commands in Design Room ONE apply also when more than one element is selected (the commands will then operate on all selected elements).

Properties View

You can view properties of an element that is selected in the Explorer view by using the command **Window – Show Properties**. The Properties view shows properties of the selected element in a similar way as the Properties view in RSAD/DMA/RSARTE/RTist. If multiple elements are selected, the Properties view just shows how many elements that are selected (properties can only be shown for one element at a time).

Tabs are used for organizing the properties into categories. Here is an example:

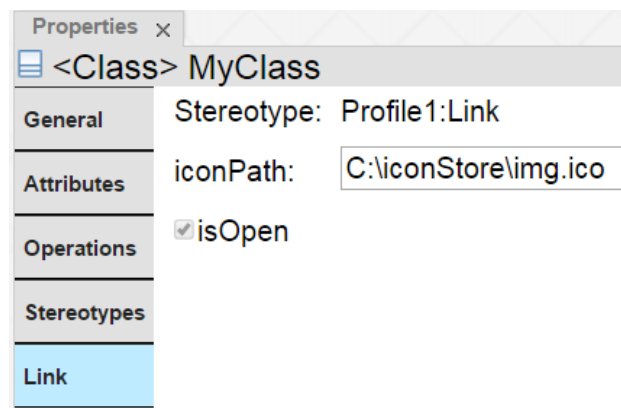
The screenshot shows the 'Properties' window with a tab for '<Attribute> attribute1'. The 'General' tab is selected, displaying the following properties:

- Qualified Name:** [JKEDesign::MyClass::attribute1](#)
- Name:** attribute1
- Visibility:** ☐ public ☒ private ☐ protected ☐ package
- Qualifiers:** ☐ Leaf ☐ Ordered ☐ Static ☒ Unique ☐ Derived ☐ Derived Union ☐ Read Only
- Type:** [Inner](#)
- Default Value:** (empty text box)
- Multiplicity:** None (1)
- Aggregation:** None

Exported models are read-only in Design Room ONE, so you cannot change the properties shown in the Properties view. Another difference compared to the Properties view in modeling tools is the “Id” property which appears in the Advanced property tab for all elements. It shows the unique identifier for the element on the Design Room ONE server that was assigned when exporting the model from RSAD/DMA/RSARTE/RTist. The ID remains unchanged if you re-export the model.

Properties that are references to other model elements appear as hyperlinks in the Properties view (see “Type” and “Qualified Name” in the previous picture). You can click such hyperlinks to navigate to the referenced element in Explorer view. Of course, this will only work if the referenced element belongs to the same design.

If an element has stereotypes applied a different visualization is used compared to RSAD/DMA/RSARTE/RTist. Each applied stereotype will have its own tab in the Properties view showing the values for stereotype attributes (a.k.a tagged values). Here is an example of an element which has a «Link» stereotype applied. The stereotype is located in a profile called “Profile1”, and it has two attributes (“iconPath” and “isOpen”).



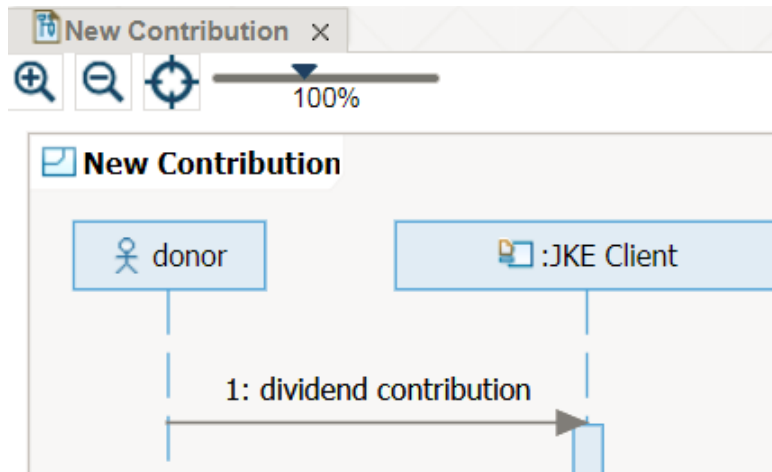
Note that the custom user interfaces that RSAD/DMA/RSARTE/RTist support for editing some stereotypes are not available in Design Room ONE.

Diagrams

To open a diagram, double click it in the Explorer view. You can also open diagrams by right-clicking on them and perform the **Open** command from the context menu. This can be useful if you want to open multiple diagrams at the same time.

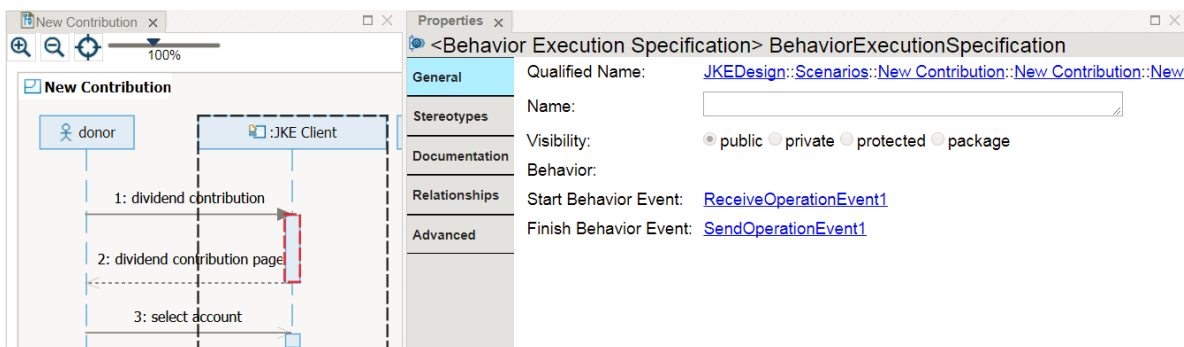


The opened diagram appears in its own view and provides buttons for zooming and panning the diagram. Here is an example:



You can also zoom the diagram by using the mouse scroll wheel or drag the zoom slider. A custom zoom level can be set by directly editing the percentage number shown below the zoom slider. To pan the diagram so you can see more of it, just hold down the mouse button in the diagram and drag with the mouse. If you happen to pan it too far you can use the Center button to return to the default panning position.

Like everything else in Design Room ONE, diagrams are read-only. However, they are not embedded images but instead SVG documents, which means that all texts they contain can be searched using the search capability of the web browser. This can be useful to find something in a big diagram. You can select symbols and lines in a diagram to view properties of the model elements they correspond to. Select a symbol by clicking within its boundaries. A black dashed outline shows which symbols can be selected. Only symbols that have a corresponding model element can be selected. To select a line, you need to click on the text label for the line. Currently it's not possible to select lines that do not contain any text labels.

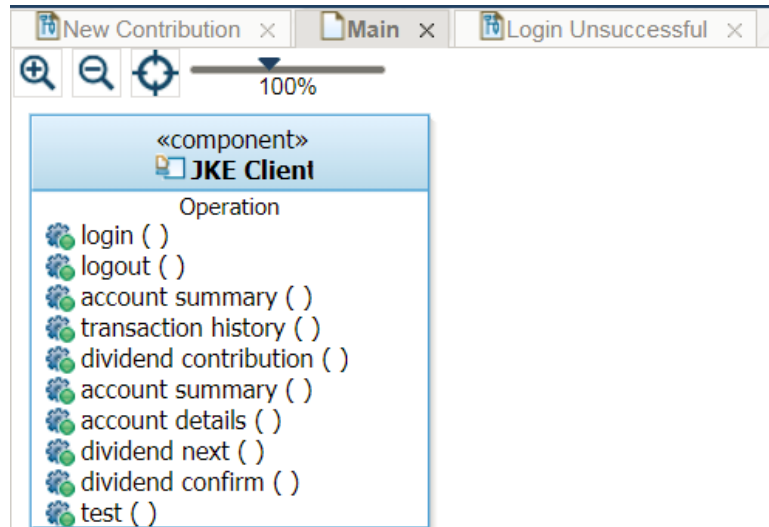


In the above example the selected symbol (red outline) corresponds to a BehaviorExecutionSpecification in the model, the properties of which are shown in the Properties view. We can also see that the mouse is currently over a lifeline symbol and its black dashed outline shows that this symbol can be selected. Note that a lifeline symbol is not just the head of the lifeline but extends vertically all the way to the end

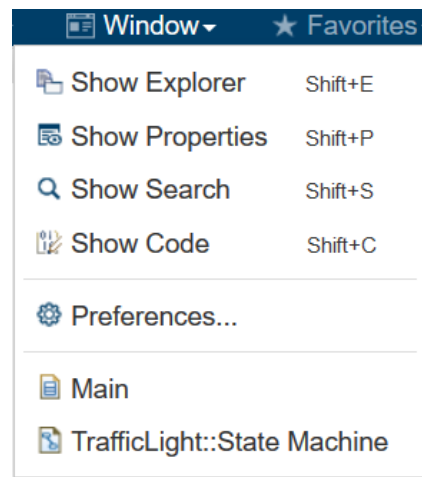
of the sequence diagram. This makes it easier to select a lifeline without scrolling to the top of a big sequence diagram.

If you want to select multiple symbols and lines on a diagram, hold down the CTRL key when clicking to select. Click in the diagram background if you want to reset the selection.

You can open multiple diagrams. By default, they will appear “stacked” next to each other so that only one at a time is visible.

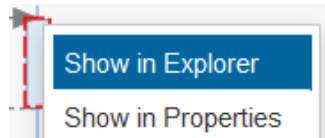


Click the tabs to make other diagrams visible. You can also use the Window menu for choosing which diagram to make visible. All open diagrams appear at the end of this menu:



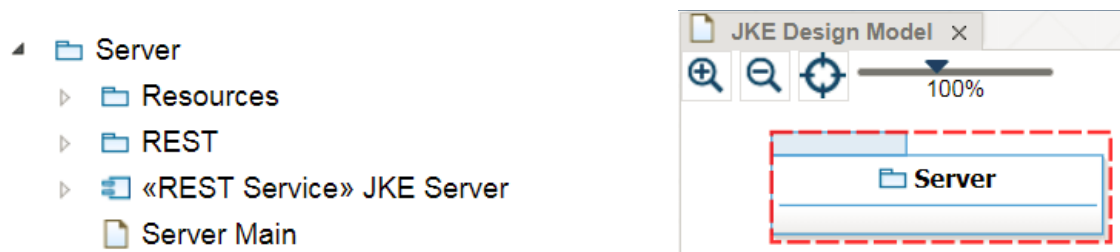
Navigating from Diagram Elements

You can use commands in the context menu of symbols and lines on diagrams to show the corresponding model element in the Explorer and Properties views.



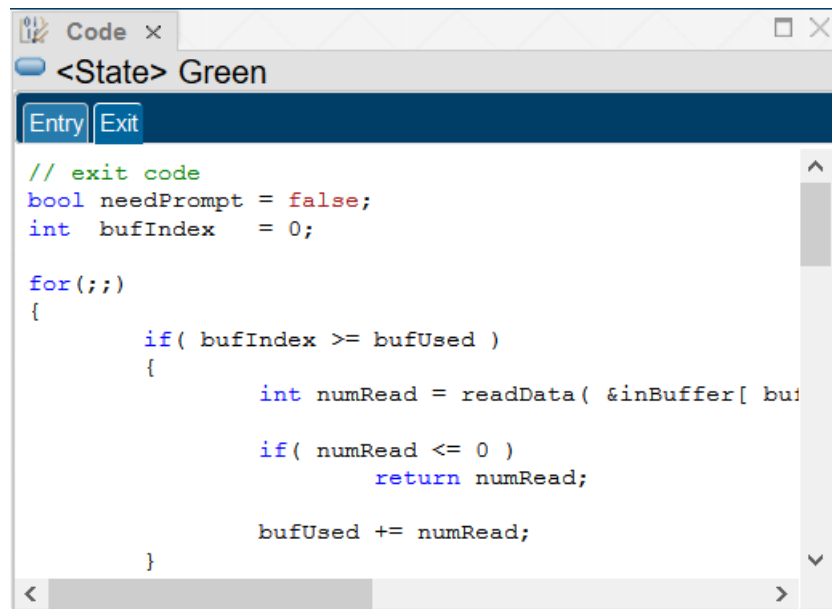
Of course, these commands only work if the diagram element represents a model element that is part of the currently open design.

It is also possible to navigate from a symbol to a diagram that is contained in the corresponding model element. This is done by double-clicking on the symbol. If the model element of the symbol has a diagram as its immediate child element, that diagram will be opened. If there are multiple diagrams, the first one will be opened. For example, double-clicking on the package symbol 'Server' in the diagram below, will open the diagram 'Server Main'.



Code View

If the exported model contains source code (which is typical in RSARTE or RTist models, but less common in RSAD models) you can use the Code view for looking at the code in Design Room ONE. Open the Code view by using the command **Window – Show Code**. The Code view shows all code snippets that are associated with the element that is selected in the Explorer view or in a diagram. Each code snippet is shown in a separate tab, in a very similar way how the Code view works in RSAD/DMA/RSARTE/RTist.



```
Code x
<State> Green
Entry Exit

// exit code
bool needPrompt = false;
int bufIndex = 0;

for(;;)
{
    if( bufIndex >= bufUsed )
    {
        int numRead = readData( &inBuffer[ bufIndex ] );

        if( numRead <= 0 )
            return numRead;

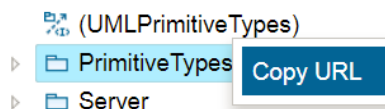
        bufUsed += numRead;
    }
}
```

Note that only non-empty code snippets are shown in the Code view. This is a difference compared to RSARTE/RSAD/DMA/RTist since when editing the model, you also need to see empty code snippets to change them. In Design Room ONE, however, empty code snippets would just take up unnecessary space in the Code view and are therefore hidden.

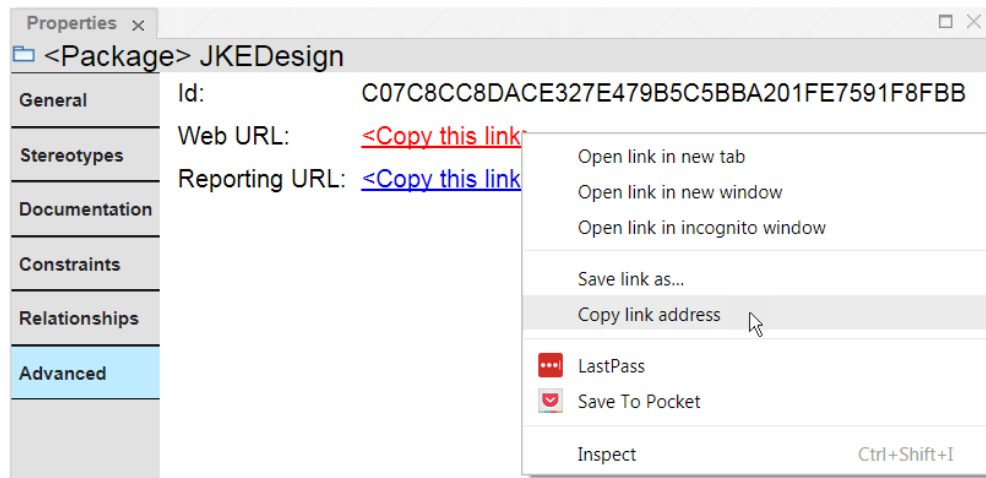
Web URL of a Model or Diagram Element

Each model element and diagram element in a Design Room ONE design can be uniquely identified by a URL. Pasting such a URL in a web browser will open Design Room ONE and navigate to the model element in Explorer view. For a diagram element URL an additional navigation will take place, where the diagram is opened, and the diagram element is selected on the diagram. We call these URLs **web URLs** since they are intended to be used in a web browser. For example, you can send a web URL to someone that you want should take a look on a particular model element or diagram element.

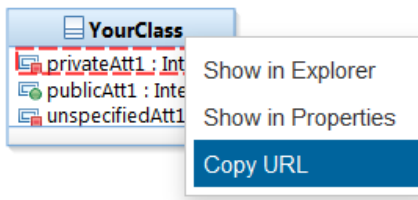
The easiest way to get the web URL of a model element is to use the command **Copy URL** that is available in the Explorer view context menu. It copies the web URL of the selected element to the clipboard. Note that some web browsers may require your confirmation to write to the clipboard.



Another alternative is to look on the Advanced property tab where the web URL of the selected element is shown and copy it using the context menu of the web browser.

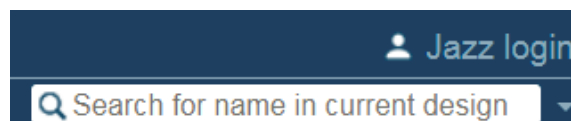


The web URL of a diagram element can be obtained using the **Copy URL** command from the diagram element context menu.



Search

You can search for model elements, diagrams and projects by their names. Type the name in the search field in the upper right corner:



Press Enter to perform the search. The Search view appears and shows all model elements, diagrams and projects with matching names.

The screenshot shows a search bar at the top with the text 'login'. Below it, a status bar indicates 'login': Showing 10 items (case insensitive) and a 'Filter' field. The main content is a table with four columns: Match, Kind, Design, and Local Configuration. The table lists four items, all associated with 'JKEBanking' in the Design column. The first item is 'Invalid login' (Return Message), and the others are 'Login' (Package, Collaboration, and Interaction). In each 'Match' entry, the part of the name that matches the search string is bolded.

Match	Kind	Design	Local Configuration
Invalid login	Return Message	JKEBanking	
Login	Package	JKEBanking	
Login	Collaboration	JKEBanking	
Login	Interaction	JKEBanking	

Click the hyperlink in the Match column, or double-click anywhere on the table row, to navigate to a found element in the Explorer view. You can right-click the hyperlink and copy its URL or open it in a different browser tab. This can be useful when navigating to an element that belongs to a different design to avoid unloading the design that is currently open.

If you have the Properties view open, you can select a line in the Search view table to view the properties of the corresponding element. That is, it's not necessary to first navigate to the element in Explorer view if you just want to view the properties of the element.

As can be seen in the picture above, the search string does not have to match exactly. Even if it only matches part of an element name (as for the Return Message above) the element will be included in the search result. The matched part of the element name is marked in boldface.

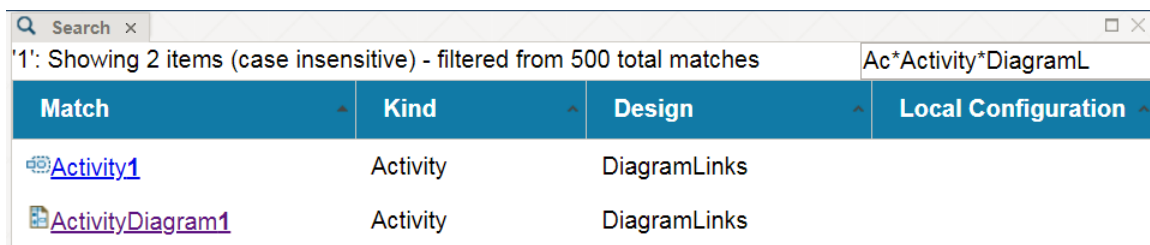
You may use two special characters (wildcards) in the search string to let it match certain name patterns:

- * Matches zero to many arbitrary characters
- ? Matches exactly one arbitrary character



For example, the search string `???Class` will match elements with names `ABCCClass` or `123Class` but not `MyClass`. And the search string `Test*Server*Log` will match elements with names `TestingServerLog` and `TestServerFileLog`, but not `TestServLog`. You can use any number of wildcards in the search string.

If you get more than a few matches from a search it can be useful to filter the search result. To do so type a few characters in the **Filter** field in the Search view. Only those search result items that contain those characters (in any column) will remain visible – others will be filtered out from the view. For example, filtering can be useful if you only are interested in certain kinds of matches, such as packages

or classes, or only matches found in a certain design. The filter string may contain the same wildcards as can be used in the search string. Here is an example:



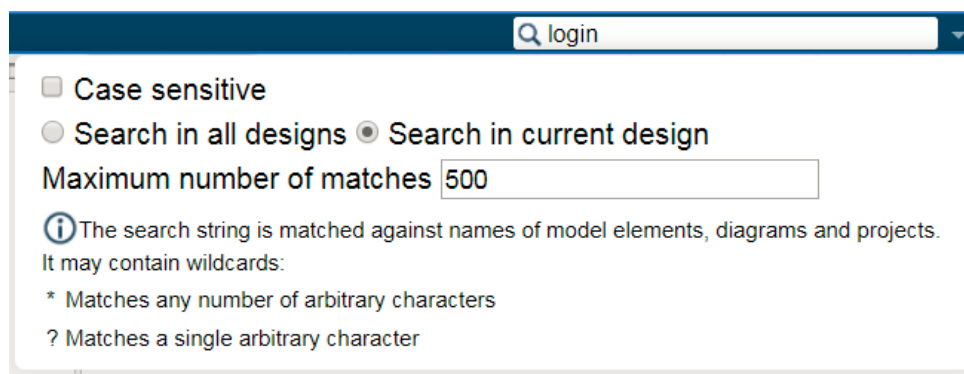
The screenshot shows a search window titled 'Search' with a search string 'Ac*Activity*DiagramL'. The status bar indicates 'Showing 2 items (case insensitive) - filtered from 500 total matches'. The results are displayed in a table with four columns: Match, Kind, Design, and Local Configuration.

Match	Kind	Design	Local Configuration
 Activity1	Activity	DiagramLinks	
 ActivityDiagram1	Activity	DiagramLinks	

The filter is interpreted as case sensitive if the search is case sensitive (see [Search Options](#)). Another way to help find the most interesting search result items could be to sort the items by clicking on the column headers.

Search Options

Press the small triangle button to the right of the search field to view and change search options.



The screenshot shows the Search Options dialog box. It has a search field with the text 'login'. Below the field are several options: 'Case sensitive' (unchecked), 'Search in all designs' (unchecked), and 'Search in current design' (checked). There is a text input field for 'Maximum number of matches' with the value '500'. Below this is an information icon and a message: 'The search string is matched against names of model elements, diagrams and projects. It may contain wildcards:'. Below the message are two bullet points: '* Matches any number of arbitrary characters' and '? Matches a single arbitrary character'.

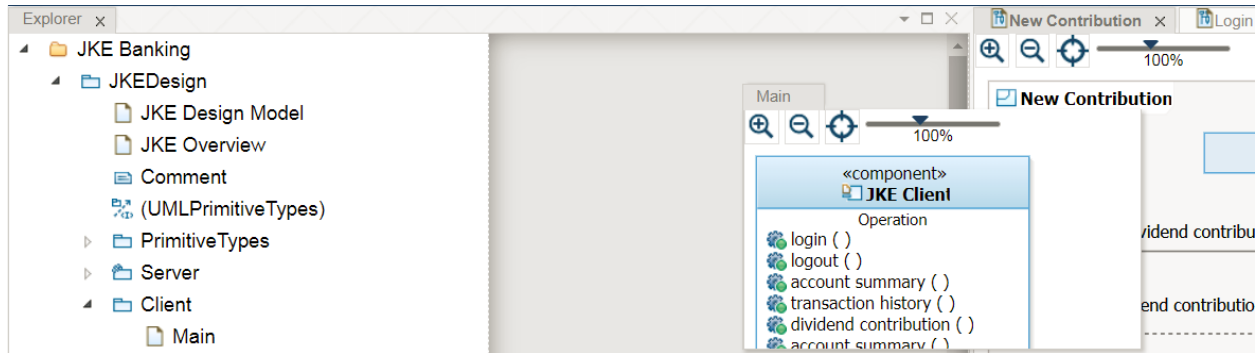
By default, search is performed without considering the case of the search string. That is, the search string `login` will match both `login`, `Login` and `LOGIN`. Mark the **Case sensitive** checkbox to instead do case sensitive matching. This option also affects the interpretation of the filter string.





The scope of a search is by default the design that is currently open. Click on **Search in all designs** if you instead want to search in all designs that are present on the Design Room ONE server. Note that if you perform a search when no design is currently open, the scope will always be all designs.

For performance reasons the maximum number of matches is limited. The limit is 500 by default, but you can raise it to 1000 at the most. Setting a lower limit improves the performance of searching, and usually it is not practical to go through too many search result items in the Search view.

View Management

Design Room ONE views (Explorer, Properties, Search and diagrams) can be arranged in a similar way as in RSAD/DMA/RSARTE/RTist. You can click on the header tab of a view and, while holding down the mouse button, move the view to another location within the browser window. A gray area will show you the suggested new position of the moved view.

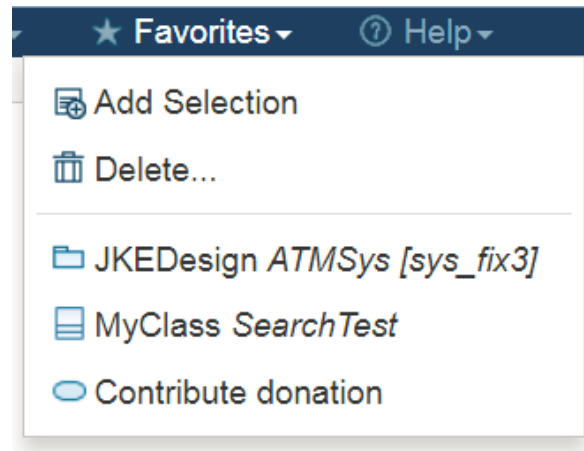


You can resize a view by moving the cursor near the edge of a view, until it changes from a “pointer arrow” () to a “move arrow” (). Then just click and drag to resize the view. Use the maximize button () to automatically resize a view so it fills up all available space in the browser window, and use the close button () to close a view that you no longer need open. If you by mistake close the Explorer, Properties or Search views you can open them again from the Window menu. Moving, resizing and closing views helps to utilize the available space in the browser window as efficiently as possible. For example, the Properties view can be moved below the Explorer view to give more space for diagrams. And you can arrange the diagram views to have more than one open diagram visible at the same time.

With lots of views open at the same time it can sometimes be difficult to find the one you are looking for. Use the commands available in the Window menu to highlight one of the open views. The view that was most recently highlighted will have its title printed in bold text.

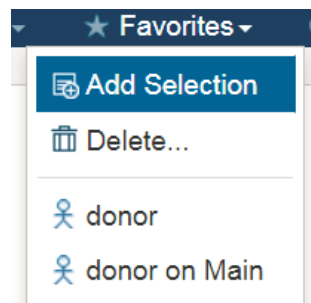
Favorites

You can mark interesting elements as favorites to make it easy to quickly find them. Select one or many elements in the Explorer view or in a diagram and perform the command **Favorites – Add Selection**. The selected elements will be added as favorites and appear in the Favorites menu. For example:

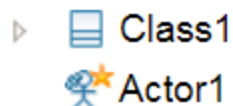


You can add favorites from different designs. For favorites that belong to a different design than the one that is currently open, the design name is shown in italics after the element icon and name. If the design has a local configuration, it's shown in square brackets after the name. You can navigate to a favorite simply by clicking on it in the Favorites menu. Note that favorites are hyperlinks, so you can right-click on them and copy their URL or open them in a different browser tab. This can be useful when navigating to favorites that belong to a different design to avoid unloading the design that is currently open. You can remove favorites from the Favorites menu using the **Delete** command.

When you add a diagram element as a favorite its diagram name is included in the favorite description. This makes it possible to distinguish the cases when both a diagram element and its corresponding model element have been added as favorites:



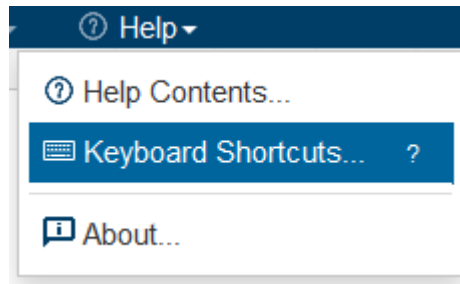
When a model element is added as a favorite it gets marked with a small golden star in the Explorer view.



Favorites are stored in a web browser cookie. This means you can only access them as long as you don't clear your browser cookies, or switch to another web browser or computer. If you want to maintain a more permanent list of favorites, you can copy the URL of the favorite element and store it outside of Design Room ONE.

Keyboard Shortcuts

Most commands in the Design Room ONE web user interface can be accessed using keyboard shortcuts. To learn about available shortcuts, perform the command **Help - Keyboard Shortcuts** (as can be seen in the Help menu, the shortcut for this command is '?').



A dialog appears, showing all available shortcut keys. Note that some shortcuts apply globally, while others only apply when a particular view is active.

Setting a Custom Language

Your administrator has specified a default language for Design Room ONE when the server was deployed. If he or she didn't specify a default language it is English. However, if you prefer to use a different language you can do so by setting a browser cookie. The easiest way to set this cookie is to append the query parameter `lang=<language>` to the browser URL.

For example, this URL will switch the language to French:

<https://localhost:10101/dr/web?lang=fr>

See the [installation instructions \(chapter "Change the Default Language"\)](#) for a list of supported languages.

Note that the 'lang' parameter only sets the language to use for the application strings. You can also set a language in the preferences of the web browser (Chrome and Firefox) or in the Windows regional settings (Internet Explorer). This language defines the locale, i.e. other regional settings such as formatting of dates and rules for how strings are sorted. Normally you use the same locale that belongs to the selected language, but in some cases you may want to use a different one (for example use English application strings, but Swedish regional settings).

Design Administration

Use the command **Designs - Administer** to view all designs that are currently available on the Design Room ONE server. If there are many designs available, you can use the **Search** field for filtering the list:

The following designs are currently available on the server:

Show	10 ▾	designs	Search	La
Name		Local Configuration		
GC_NonTranslated				
GC_Translated				
LargeDiagram				
LargeDiagram2				
translation_test				
Showing 1 to 5 of 5 designs (filtered from a total of 24 designs) [0 designs selected]				
Previous		1	Next	
Select All	Select None	Properties	Delete	

Select one or many designs from the list and then click one of the buttons below:

- **Properties**
View properties of the selected design. Currently only the name, ID and local configuration of the design is shown.
- **Delete**
Deletes the selected designs from the server. Note that this operation cannot be undone, and there is no way of getting back a deleted design other than to export it once again from RSAD/DMA/RSARTE/RTist. A confirmation dialog will appear before the designs are deleted from the Design Room ONE server. If you have OSLC links to elements in the deleted design, those links will become broken.

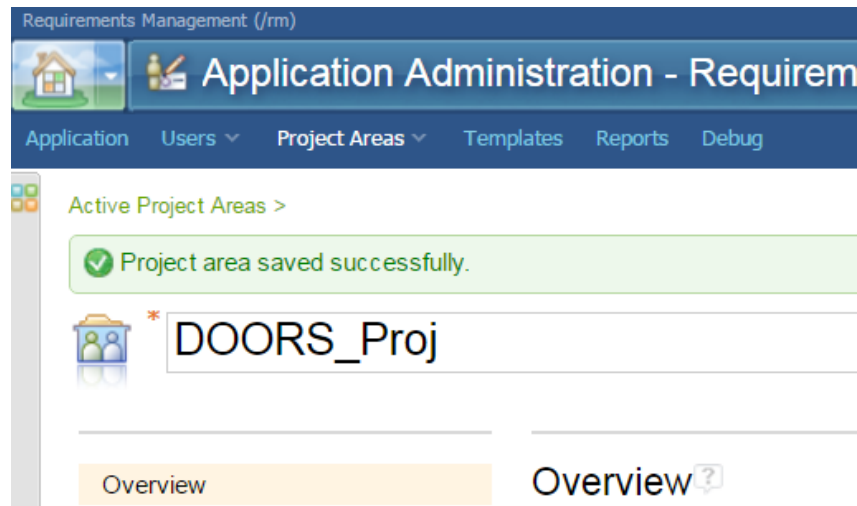
OSLC Linking

Design Room ONE supports [OSLC](#) APIs which allow you to create links from artifacts in OSLC-compliant tools to elements in a Design Room ONE design. For example, you can create links from elements in Jazz CLM tools (such as requirements specified in DOORS NG). In this chapter we use [Jazz CLM tools](#) as the example, but links can be created from all tools that support the OSLC APIs.

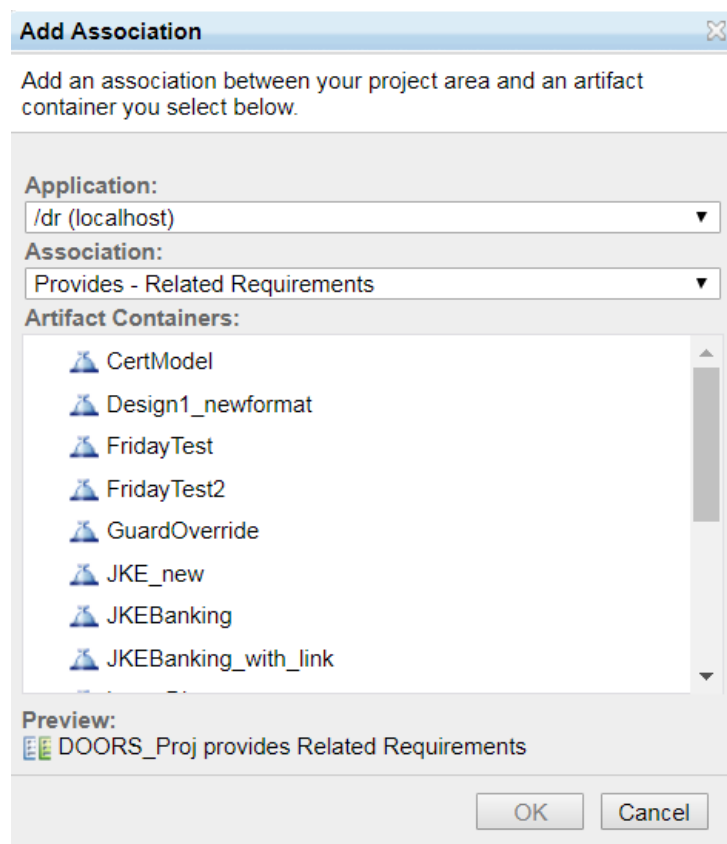
Note! Before links can be created from Jazz CLM tools it is necessary to configure both the Design Room ONE server and the Jazz Team Server so they know about each other. If you are unable to create OSLC links, or see other problems related to such links, make sure that your administrator has registered Design Room ONE as a Jazz application as described in the chapter “Registering Design Room ONE with Jazz” in the [installation instructions](#).

Associating a Jazz Project Area with a Design

You need to establish an association between the project area that contains the element you want to create the link from, to the design which contains the element that should be targeted by the link. Open the Overview page of a Jazz project area, for example a DOORS NG project area:



Then click **Add** in the Associations section at the bottom of the page.



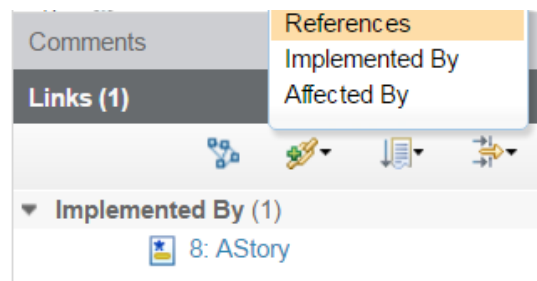
Look in the Application list and select the Design Room ONE entry (by default called /dr). Then choose the kind of association to create. These kinds are defined by the OSLC standard and specify what kind of link that should be created. Design Room ONE exposes model elements both as resources from the [AM domain](#), and as requirements from the [RM domain](#). Note that since Design Room ONE has a read-only representation of the model (the writable representation is in RSAD/DMA/RSARTE/RTist), it is not possible to create links that a Jazz CLM tool won't store in its own repository. For example, from DOORS NG you can choose to create a "Related Requirements" association, since this leads to the creation of RM domain links which are stored in DOORS NG. But if you instead create a "Requirements" association then AM domain links will be created, and these links DOORS NG will attempt to store in Design Room ONE. Instead of creating links in Design Room ONE you should create such links in the modeling tool, and then export them with the model to Design Room ONE. See [Exporting Requirement Links from RSAD/DMA/RSARTE/RTist](#) for more information.

So, to summarize, if you want to create links to Design Room ONE elements from DOORS NG, add a "Related Requirements" association, and if you want to make visible in DOORS NG requirement links created in RSAD/DMA/RSARTE/RTist and then exported to Design Room ONE, add a "Requirements" association. Of course, you can add both types of associations to enable both outgoing and incoming links on requirements.

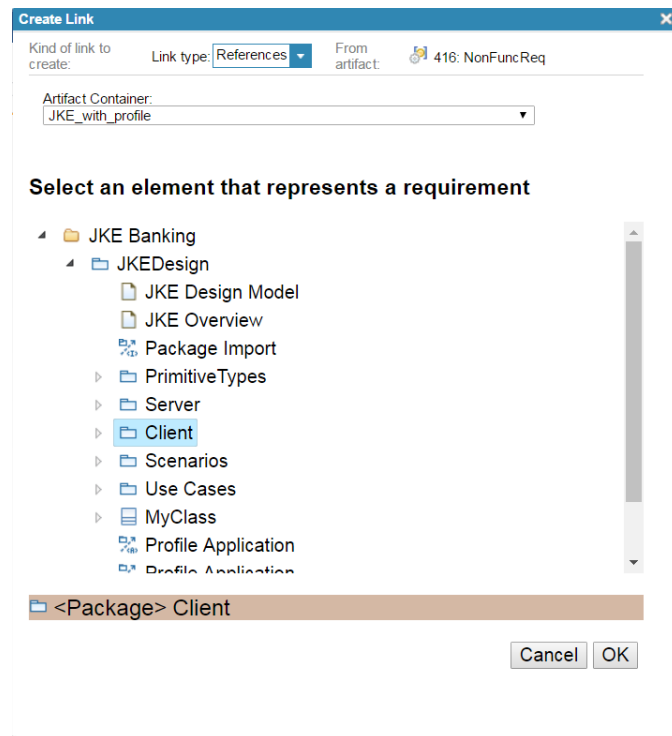
Don't forget to save the project area when the association has been added.

Creating Links

Once the project area has been associated with a design (using the correct type of association as described above), you can now create links from artifacts in the project area to elements in the design. Use the regular user interface in the Jazz CLM tools to create links. For example, in DOORS NG it can look like this:



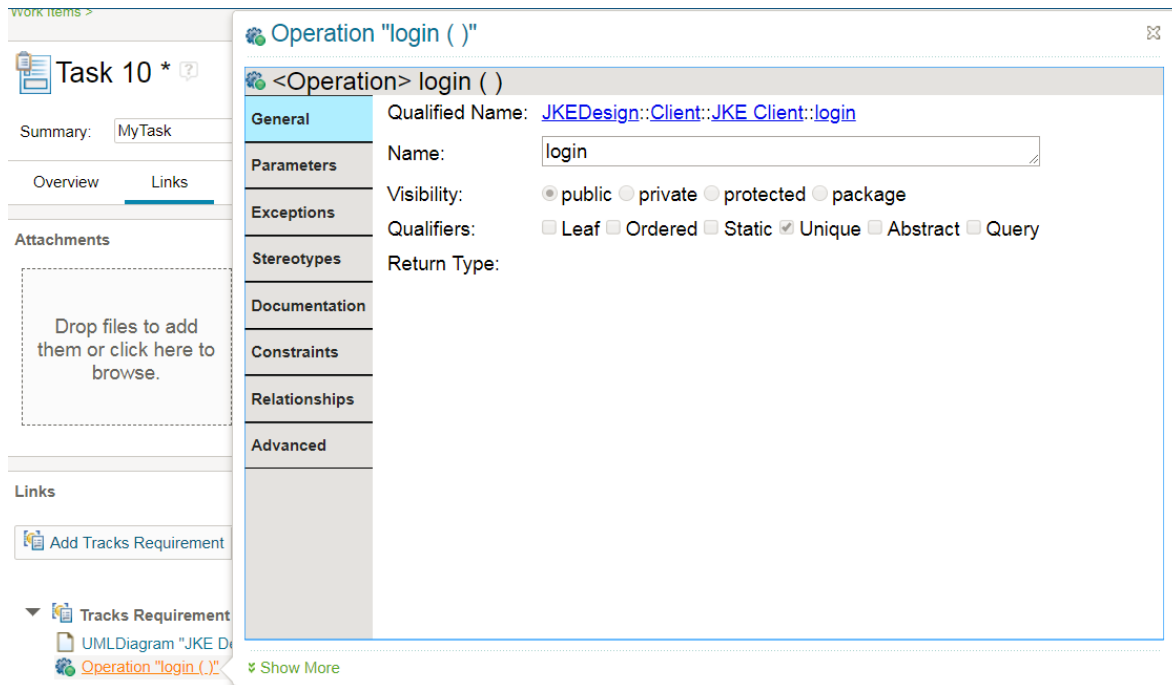
The Design Room ONE Explorer view will appear to let you choose the target element for the link:



Choose the design in the **Artifact Container** list, and then select the target element in the Explorer view below. You can select any kind of element for any kind of link, as Design Room ONE does not impose any restrictions on which elements that could be the target for different kinds of links.

Viewing and Navigating to the Target of a Link

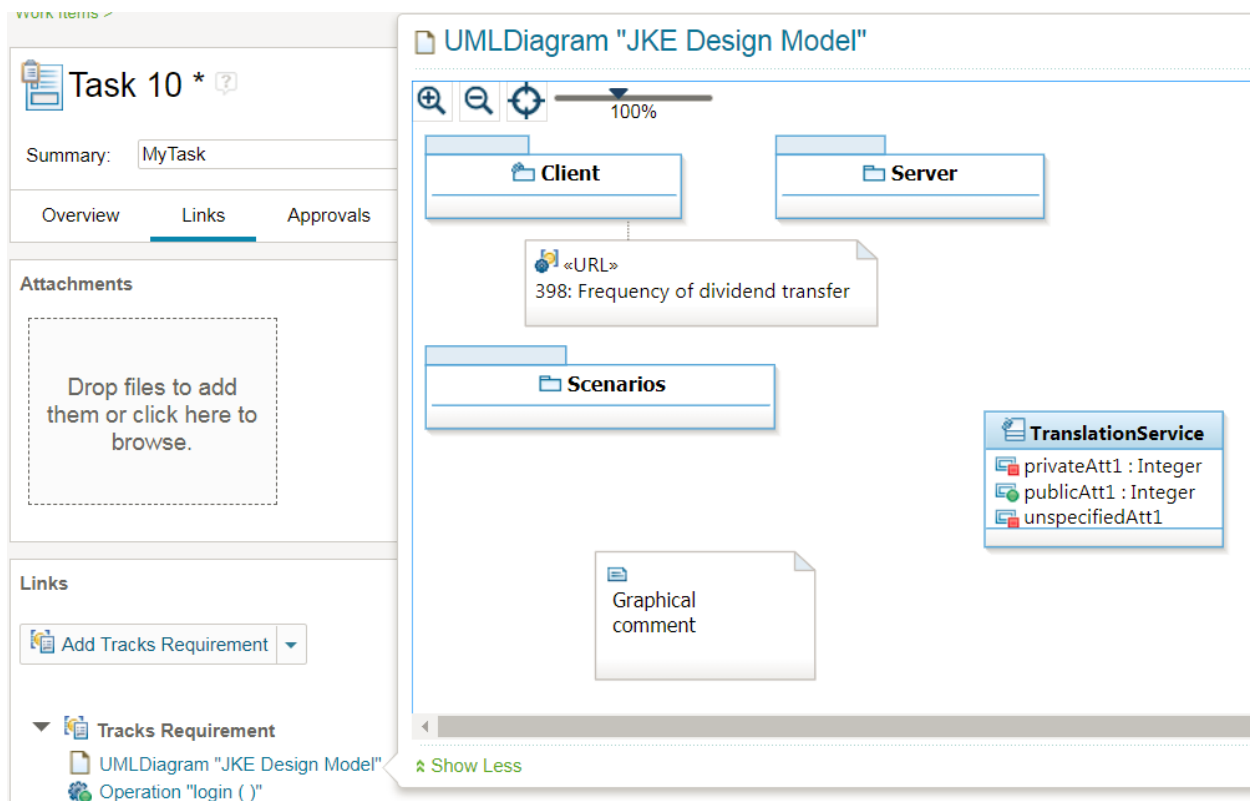
When a link has been created to a Design Room ONE element you can hover the cursor over the link to bring up a popup with information about the element. The popup contains the Properties view which shows all properties for the target element. Here is an example:



You can click the hyperlink at the top of this popup window to navigate to the element in Design Room ONE.

Note! In Chrome browser the preview of Design Room ONE resources may fail if authentication is enabled on Design Room ONE server due to default SameSite=Lax cookie policy. To address this open the following URL in your browser
`chrome://flags/#same-site-by-default-cookies`
and change the setting to Disabled.

If the linked element is a diagram, you can view its contents by clicking the **Show More** button in the bottom left corner of the popup.



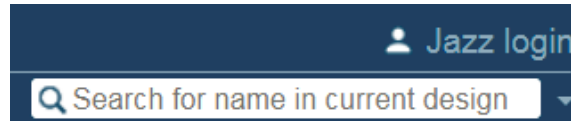
Click **Show Less** to go back to viewing the diagram properties instead.

Exporting Requirement Links from RSAD/DMA/RSARTE/RTist

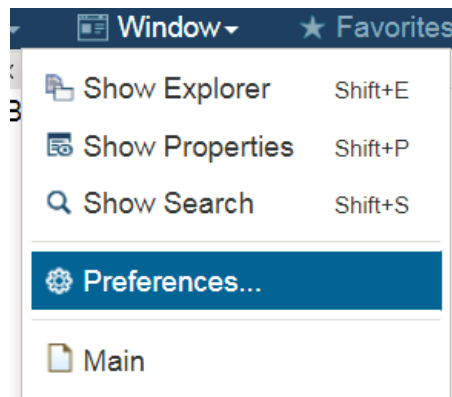
The Design Room ONE Integration plugin for RSAD/DMA/RSARTE/RTist contains a [Requirements Management](#) Integration feature which makes it possible to create links from model elements in the modeling tool to requirements in DOORS NG. The links are stored in the RSAD/DMA/RSARTE/RTist model and are shown in a special Links tab in the Properties view. If you export such a model to Design Room ONE the requirement links will be exported too, and can be viewed in a similar Links tab in the Design Room ONE Properties view.

Properties x		
<Component> JKE Client		
General	Links:	
Dependencies		
Links		
	Type	Name
	Derives From	Extension Points
	Elaborates	logo_JK enterprises
	Elaborates	Extension Points
	Refines	NonFuncReq

Design Room ONE fetches some of the information about the links (such as their icons) from DOORS NG, and hence you will be prompted to log in to Jazz the first time you click on the Links tab. You can also login explicitly by clicking the **Jazz login** link in the upper right corner in the menu bar.

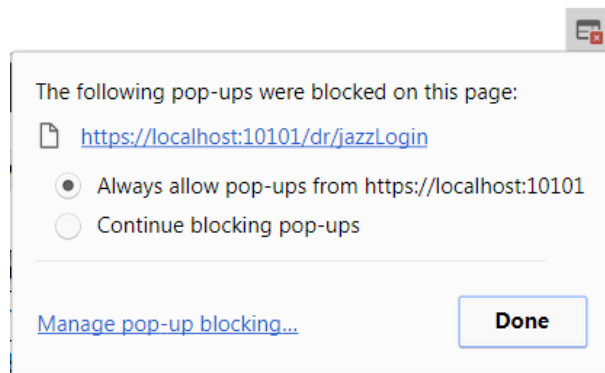


If login to Jazz fails it could be because your administrator has not registered Design Room ONE with Jazz. You can check this using the **Preferences** command in the Window menu:



If the preference page is empty, or contains wrong information about the Jazz Team Server, contact your administrator to register Design Room ONE as a Jazz application as described in the chapter "Registering Design Room ONE with Jazz" in the [installation instructions](#).

Note! Another reason for not getting prompted to login to Jazz could be that your browser is configured to block popups. Check in the browser address field if there is an indication that the Jazz login popup was blocked. If so, change the browser settings to allow popups from the web site. For example, on Chrome it may look like this:



When you have logged in to Jazz you can view additional information about a requirement by hovering the cursor over a requirements link. The DOORS NG popup will appear:

Name
Extension Points
logo_JK enterprises
Extension Points
NonFuncReq

Design Room ONE can show all kinds of OSLC links in its Links tab, but currently only links to DOORS NG requirements can be created in RSAD/DMA/RSARTE/RTist, and hence only such links will be present in a model that has been exported to Design Room ONE.

Note that the links shown in the Links tab are AM domain links. If you want to make these links visible also in DOORS NG you therefore need to add an association between the DOORS project area and the Design Room ONE design. This association should be of kind "Requirements". See [Associating a Jazz Project Area with a Design](#) for more information. Here is an example of what the Links tab in DOORS NG may look like for a requirement that has one outgoing RM domain link to a Design Room ONE element, and several incoming AM domain links from other Design Room ONE elements:

Links (7)

- Derives Architecture Element (4)
 - account details
 - login
 - logout
 - Outer
- References (1)
 - JKEDesign
- Refined By Architecture Element (1)
 - JKE Client

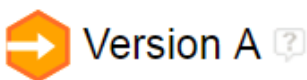
AM domain links

RM domain link

Global Configurations

A global configuration is a Jazz CLM feature for grouping local configurations that make sense to use together. Global configurations make it easier to set-up a consistent set of local configurations in all tools that store elements linked by OSLC links. When a global configuration is made active, links between source and target elements will be resolved using the contained local configurations that are applicable for the source and target tool respectively.

Global configurations are created in the Jazz GC application (/gc). Note that this application is an optional component of Jazz CLM that is not installed by default. Give the global configuration a descriptive name and then press the **Add configurations** link to add local configurations to it.



[+ Add Configurations...](#)

To add a local configuration from a design, first select Design Room ONE in the drop-down menu, and then select a design with a local configuration to add to the global configuration.

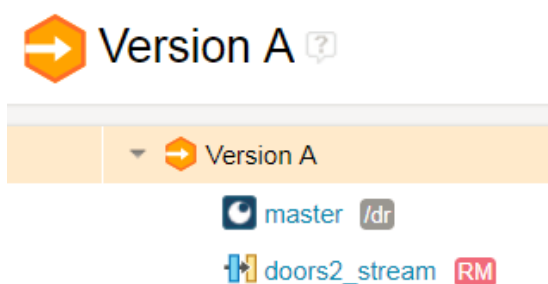
Select configurations to add to the **Version A** stream.

Design Room ONE - localhost:10101/dr

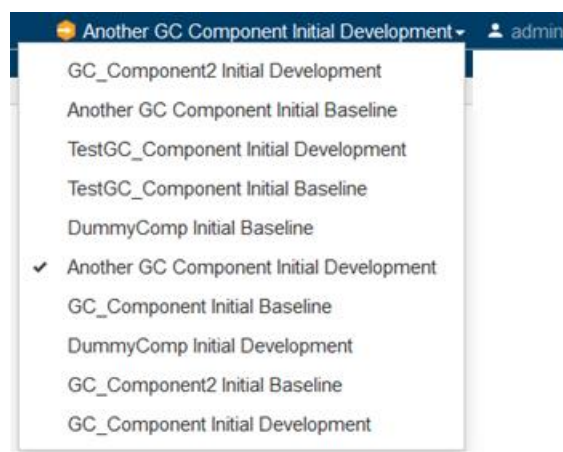
Search Showing 16 designs

Name	Local Configuration
ATMSys	sys_fix3
Demo_1	master
GC_Demo	master
GC_Demo	featureB
gc_xxx	featureB
htmlEscape	<h1>conf</h1>
NewExport1	master
NewExport1	feature1
NewExport1	linktest
scrolltest	q1
scrolltest	q2
scrolltest	q3
scrolltest	q4

Press **Select** and after a while the local configuration will appear under the global configuration:



You can select the active global configuration in a drop-down menu in the Design Room ONE web application in a similar way as it is done in Jazz CLM tools. This drop-down menu appears if there is at least one global configuration defined in Jazz which contains the currently open design's local configuration.



When you change the active global configuration, requirement links may resolve to different versions of requirements, according to the local DOORS NG configuration that belongs to the selected global configuration. It is therefore important that you set the correct global configuration as active. Otherwise, requirement links may become unresolved, or resolve to the wrong version of the target requirements.

Reporting

Design Room ONE provides REST APIs that make it possible to create rich reports in [Rational Publishing Engine](#) that contain data from one or many exported designs. The reports can also include information that comes from other OSLC tools that store artifacts which are linked to the model elements. For more information refer to [this tutorial](#) that describes how to use Design Room ONE with Rational Publishing Engine.

Known Limitations

Below is a list of known limitations in Design Room ONE:

1. Only UML models can be exported to Design Room ONE. Other modeling domains such as BPMN and topologies are not supported.
2. The appearance of exported models and diagrams is very similar, but not always exactly the same as in RSAD or DMA or RSARTE or RTist. For example, not all properties are currently shown for elements and there may be small differences in diagram appearance.
3. A model element can only be shown in one location in the Explorer view at the same time. If you activate multiple overlapping working sets, which would make an element visible at many locations in the Explorer view, the element can only be shown at one of these locations at the same time.
4. It is not possible to select a line in a diagram if the line does not have at least one text label.