

Structure Control

Structure control is used to show structure data of the context item. Structure control is bound to a Query Definition, that defines which RelationshipTypes, RelatedItemTypes and properties to show in the control. Structure control has two panels, on the left side it shows structure of the context item and on right side it shows properties and relationships of the selected node from the tree. Structure control comes with two modes, read-only mode shows structure and properties, you can only navigate the structure and see properties of the selected node. You can also open the specific node in its own tab by selecting Open icon from the toolbar. In the edit mode, you can insert new nodes in the structure by selecting the Insert icon from the toolbar. In the InsertNode Flyout, allowed RelationshipTypes of the selected node are shown, by selecting specific RelationshipType and keyword, you can search and select a specific item to insert under the selected node. In edit mode, you can also edit the properties of the selected node. In order delete a specific node in edit mode, Delete icon can be selected from the toolbar. When you add Structure control on the page, it just shows only those Query Definitions defined with the same ItemType associated with the template. Structure control shows context menu at runtime with same commands as the toolbar.



Structure Settings

Name (maximum 32 characters)
structure1

Label
Supplier Structure

Query Definition
as_SupplierStructure

Relationship Tables

Relationship	TreeNode Name		Show in Table	Hide in Tree
SupplierToSupplier	Supplier Name(RI), Revision(RI), Generation(RI)	🔍	☒	☐
SupplierToPart		🔍	☒	☒
Part BOM		🔍	☒	☒

Name Separator |

SupplierToSupplier Columns

Column Width ☒ Percentage ☐ Pixels

Name Width (%)

Name	Type	Width	Actions
Supplier Name (RI)	String	25	✖ +
Type (RI)	Classificatio	25	✖ +

Ok Cancel

- **Name:** It is used to uniquely identify control inside the template.
- **Label:** It is used to show title on the control. It can be localized by defined Languages and Locales inside innovator.
- **Query Definition:** It allows you to select the query that can be used to fetch data from Innovator database. It shows a list of all Query Definitions available in Innovator which are defined for the ItemType associated with the template.
- **Relationship Tables:** It allows you to select which relationships should be shown in the Tables on the right side and/or within the Tree. It also allows you to configure the name shown in the Tree based on multiple properties. For each relationship configured to show in the Table on the right side, it adds a new section to define what columns should be shown in the table.
- **Show Label:** It controls whether Label can be shown at the top of the structure control.
- **Commands:** Using Commands section, you can show or hide standard commands shown on the Structure toolbar. You can also define custom command by selecting Type as Button or DropDown and entering command name. For each custom command, you can set On Click, Can Show, On Load options.



Each custom command can be configured with 'On Click' handler to perform certain action. It can show a shortcut to the existing Innovator actions like Structure Browser, Where Used, Workflow Signoffs etc. It can also be configured to call a custom script. By selecting Script option in the dialog, you can associate custom script that contains code to interact with other Worksheet columns or controls in the Wizard. Script can also have code to interact with server by sending a request.

Each custom command can be configured with 'Can Show' option to define custom JavaScript that will return a boolean value. If returned value is true, command will be shown otherwise command will be hidden.

Each custom command of type 'DropDown' can be configured with 'On Load' option to load options for the DropDown at runtime.

For each command, you can configure the icon. You can also show or hide the command by selecting checkbox under Hide column.

Commands

Type ☒ Button ☐ DropDown

Name	On Click	Can Show	On Load		Hide	Actions
Insert			.		☐	 
Separator					☐	 
Open Relat					☐	 
Open Relat					☐	 
Separator					☐	 
Delete					☐	 
Lock					☐	 
Structure E	Structure Browser ☒	☒			☐	 

On Click ✕

☒ Flyouts ☐ Actions ☐ Script ?

☐ Additional Info

☐ Custom Dialog

Ok Cancel

On Click ✕

☐ Flyouts ☒ Actions ☐ Script ?

☐ Where Used

☒ Structure Browser

☐ Workflow Signoffs

☐ Generate Document

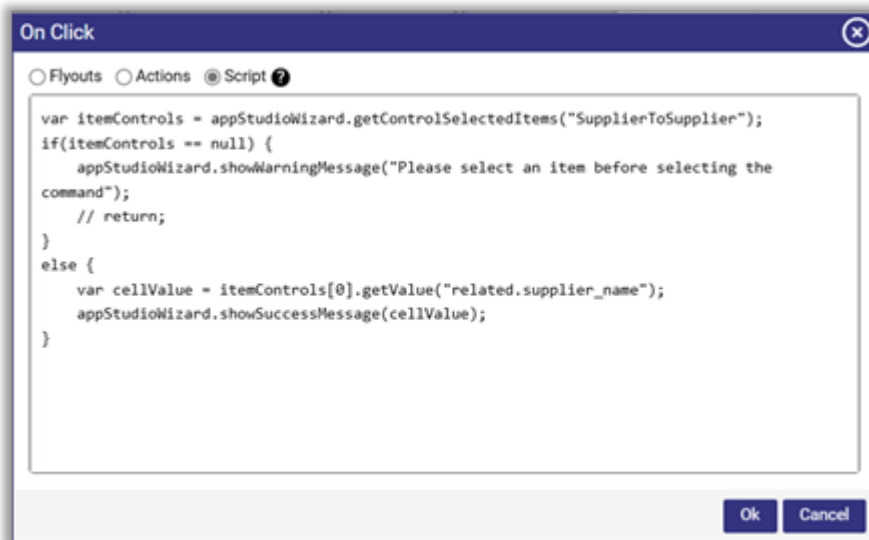
☐ Export TDP

☐ Hoops Viewer

☐ Generate Presentation

Ok Cancel





- **Height:** Structure control can be rendered in two different modes for the Height.
 - **Height:** Explicit
In this mode, 'Max Height' should be supplied to limit the height of the control in the page. Control auto grows until it reaches 'Max Height', after that it shows scrollbar for the body of the Tree.
 - **Height:** Automatic
In this mode, control auto grows until it reaches available page height, after that it shows scrollbar for the body of the Tree. This mode can be set on the structure control only when the page that contains structure control has only simple form fields apart from this structure control.
- **Width:** It allows you to set the width in percentage for the Tree portion of the structure from the total available width.
- **Insert Flyout:** It allows you to set the flyout width in percentage. It also allows you to show Add command in the toolbar in the insert flyout. Using this command, new item can be created on the fly as part of the insert operation.
- **Access:** It allows you to define roles which can access control. Roles (in the form group identities) can be at Show and Edit level. When control is hidden because you do not have defined role, data associated with this control is not even fetched from server.
- **Read Only:** Based on the option selected for Read Only, control can become read-only even if you can edit the properties used inside the page with lock. You can select one of the options like 'Yes', 'No', 'Expression', or 'Script'. If Read Only is selected as 'Yes', you can only navigate structure from the tree panel, and when the node is selected its properties are shown on the right panel. If Read Only is selected as 'No', along with the tree navigation, you can also edit the structure as well as properties of the selected node. Expression allows you to define a Boolean expression using properties from the current and previous pages (in case of multi-page application) to conditionally make the control read-only if expression is evaluated to true. Expression will be evaluated based on the cached property values on the client. Script allows you to write custom JavaScript code that should return Boolean value. If returned value is true, the control will be read-only. In order to see structure control in edit mode, you need to put

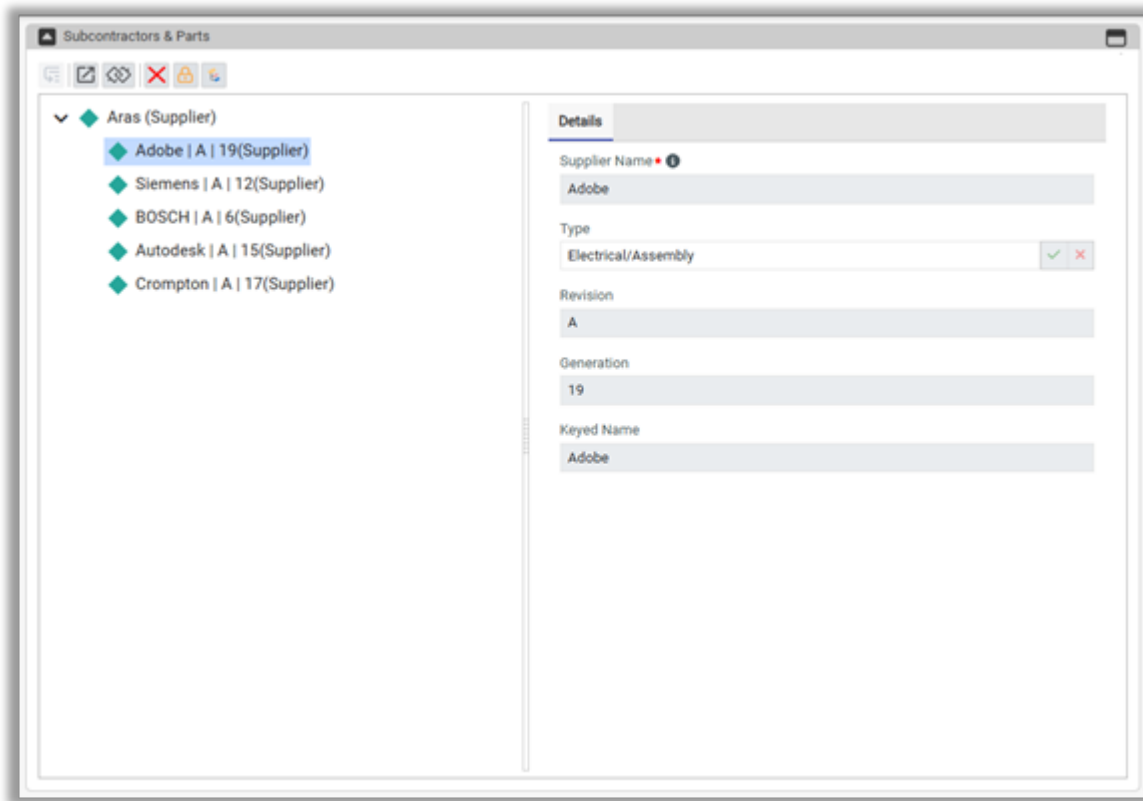


context item in edit mode.

Read Only: Yes

The screenshot shows a web application window titled "Subcontractors & Parts". On the left, there is a tree view with a collapsed "Aras (Supplier)" item. Below it, a list of other suppliers is visible: "Adobe | A | 19(Supplier)", "Siemens | A | 12(Supplier)", "BOSCH | A | 6(Supplier)", "Autodesk | A | 15(Supplier)", and "Crompton | A | 17(Supplier)". On the right, the "Details" tab is active, showing fields for "Type" (set to "Electrical/Assembly"), "Generation" (set to "39"), "Keyed Name" (set to "Aras"), "Revision" (set to "A"), and "Supplier Name" (set to "Aras"). The "Supplier Name" field has a red dot and an information icon next to it.

Read Only: No



- **Display Condition:** Based on the option selected for Display Condition, the control will be shown or hidden in the wizard at runtime. You can select one of the options like 'Always Show', 'Always Hide', 'Expression', or 'Script'. Expression allows you to define a Boolean expression using properties from the current and previous pages (in case of multi-page application) to conditionally display the control if expression is evaluated to true. Expression will be evaluated based on the cached property values on the client. Script allows you to write custom JavaScript code that should return Boolean value. If returned value is false, the control will be hidden.
- **Font:** It allows you to set the required font and size for the node names and form field values of the structure control.
- **Margin:** It allows you to set the required top, right, bottom, left margins with respect to adjacent controls.
- **On Load:** OnLoad event allows you to write custom logic that will be executed after the data in the control is loaded. Please refer to the Template Customization section for more details.
- **On Insert:** On Insert event will be launched after item has been inserted in the Structure control. Event handler will receive inserted item details via eventData, this object will be available in the scope of the event handler code. Please refer to Template Customization section for more details.
- **On Select:** On Select event will be launched after selecting the item in the Structure control. Event handler will receive selected item details via eventData, this object will be available in the scope of the event handler code. Please refer to the Template Customization section for more details.