

## Search

The “Search” view allows you to specify yet another three search conditions, as well as specify what kind of “Search action” you want to perform.

The “Skip aliases in search” option is used to exclude alias nodes during the search. Thus, if you check this option, DynRisk will ignore all alias nodes.

The “Skip unmarked nodes” option is related to the “Marked” property. The main purpose of this property is to facilitate more advanced search capabilities. When you have specified a search criterion, you can let DynRisk “mark” all nodes in your model satisfying this criterion. That is, after the search is finished, all nodes satisfying the specified criterion will have its “Marked” property switched “On”, while all the other nodes will have this property switched “Off”. You can then continue by specifying another criterion, and let DynRisk perform a search only among the marked nodes. To do this, leave the “Skip unmarked nodes” checkbox checked.

If you want DynRisk to include both marked and unmarked nodes in the search, leave the “Skip unmarked nodes” checkbox unchecked.

The “Search level” popup menu is used to select one of the following two options:

- All directories
- Current folder

If you choose the “All directories” option, DynRisk will search through all folders in the model for nodes satisfying the specified criterion.

If you select the “Current folder” option, DynRisk will search the folder represented by the active window and all possible subfolders of this folder.

If the active window is the top level directory, the two search level options will be equivalent.

The “Search action” popup menu is used to specify what DynRisk should do whenever a node satisfying the specified criterion is found. The following actions are available:

- Open node

- Select node
- Make aliases
- Mark nodes
- Mark excl.
- Unmark nodes
- Unmark excl.

If you select the “Open node” option, DynRisk will find the first node satisfying the specified criterion and open the “Edit node” dialog box for this node. To open the “Edit node” dialog box for the next node, use the “Find again” command in the “Special” menu.

If you select the “Select node” option, DynRisk will find the first node satisfying the specified criterion, open the folder where the node is located and select the node. To select the next node, use the “Find again” command in the “Special” menu.

If the “Make aliases” option is selected, DynRisk will create a new folder in the current folder which will be named “Search aliases”. Inside this folder, DynRisk will create aliases for all the nodes satisfying the specified criterion. Finally, DynRisk will open the “Search aliases” folder in “Node table view”. This option is particularly useful if you want to make changes to a group of nodes which is spread all around in a model. Say e.g., that you have a lot of nodes in your model where the distribution is “Lognormal”, and assume that you want to change all these distributions to “Exponential”. Then all you need to do is to let DynRisk create a “Search aliases” folder containing aliases for all the nodes where the distribution is “Lognormal”. When the folder is opened, you can change one of the columns in the table such that it contains the distribution property, type in “Exponential” in the first row, and use the “Fill down” command in the “Edit menu”.

If the “Mark nodes” option is selected, DynRisk will search through the model and mark all nodes satisfying the specified criterion. The remaining nodes will be left unchanged. That is, the “Marked” property of the nodes that do not satisfy the specified criterion will be left in its present state. Thus, the marked nodes will be left marked, and the unmarked nodes will be left unmarked. Use this option either if you are certain that all the nodes are unmarked when the search is initiated, or if you want to extend the present set of marked nodes.

If the “Mark excl.” option is selected, DynRisk will search through the model and mark all nodes satisfying the specified criterion. The remaining nodes will be unmarked. Use this option if you want the set of marked nodes to be exactly those who satisfy the specified criterion and no others.

If the “Unmark nodes” option is selected, DynRisk will search through the model and unmark all nodes satisfying the specified criterion. The remaining nodes will be left unchanged. That is, the “Marked” property of the nodes that do not satisfy the specified criterion will be left in its present state. Thus, the marked nodes will be left marked, and the unmarked nodes will be left unmarked. Use this option either if you are certain that all the nodes are marked when the search is initiated, or if you want to reduce the present set of marked nodes.

If the “Unmark excl.” option is selected, DynRisk will search through the model and unmark all nodes satisfying the specified criterion. The remaining nodes will be marked. Use this option if you want the set of unmarked nodes to be exactly those who satisfy the specified criterion and no others.