










## Tree Operations

<p>In a tree:</p>	<ul style="list-style-type: none"> <li>- Double-click on a node to go to that function or file</li> </ul>
<ul style="list-style-type: none"> <li>• Current Node and its occurrences</li> </ul>	<ul style="list-style-type: none"> <li>- The current node is indicated by blue background. Other occurrences of the current node are yellow-highlighted</li> <li>- Click  or  in the main toolbar to go to other occurrences of the current node.</li> </ul>
<ul style="list-style-type: none"> <li>• Call-Path Filtering</li> </ul>	<ul style="list-style-type: none"> <li>- Right-click, then <b>&lt;Show Path&gt;</b> to view the path from the root to the current node.</li> <li>- Right click, then <b>&lt;Show All Paths&gt;</b> to view all occurrences of the current node</li> <li>- To view the whole tree again, right-click, <b>&lt;Show Whole Tree&gt;</b></li> <li>- To remove red-highlighting of path-nodes, right-click, <b>&lt;Unmark Path&gt;</b></li> </ul>
<ul style="list-style-type: none"> <li>• Expand Once</li> </ul>	<ul style="list-style-type: none"> <li>- The setting "Expand Once" is useful in working with very large trees. <ul style="list-style-type: none"> <li>• With it, only the first occurrence of a node is expanded; other occurrences are prefixed with "+" To view its other occurrences, follow the yellow-highlighting or click , </li> <li>• When a tree is fully expanded, the real leaf-nodes do not have a "+" prefix.</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>• Function Call Tree</li> </ul>	<p>Place the cursor within a function.</p> <p>Click the Call Tree Icon  in the toolbar or F11 hotkey</p> <p>Or right-click on a function name in the "Prj Browse" or "Fn Properties" pane of the Browse Window.</p> <p>Use the "Tree Settings" button in the Tree Window's toolbar to display or suppress Library functions (those found in the Include-Path-Sequence)</p> <p>or Use the Tree pull-down menu.</p>

<ul style="list-style-type: none"> <li>Function Caller Tree</li> </ul>	<p>Place the cursor on a function name in a statement or declaration.</p> <p>Click the Caller Tree Icon  in the toolbar or F9 hotkey</p> <p>Or right-click on a function name in the "Prj Browse" or "Fn Properties" pane of the Browse Window.</p>
<ul style="list-style-type: none"> <li>Full Project Function Call Tree</li> </ul>	<p>Click Tree -&gt; Create Project Call Tree or Alt+F11</p> <p>A project tree shows the call-trees of all root functions of the project.</p>
<ul style="list-style-type: none"> <li>Current File's Function Call Tree</li> </ul>	<p>The current file's Function Call tree shows the relationship between all functions in the file.</p> <p>It helps you to get started with understanding and reviewing the file.</p> <p>Click Tree -&gt; Create File Call Tree or Ctrl+F11</p>
<ul style="list-style-type: none"> <li>Current File's #include tree</li> <li>Detect Missing Header Files</li> </ul>	<p>The file-tree shows files are #included in the current file.</p> <p>Click "Create File Tree" icon  in the main toolbar.</p> <p>Or, click Tree -&gt; Create File Tree. or F10 hotkey.</p> <p>Or, right-click on a filename in "Prj Files" pane of the Browse Window</p> <p>After creating the file tree:</p> <ul style="list-style-type: none"> <li>right-click, Expand Full</li> <li>right-click, Highlight Missing File Nodes. any #included files could not be found are red-highlighted</li> </ul> <p>Add appropriate folders to the Include-Path-Sequence to help Crystal FLOW find the missing #include file. Then &lt;Reparse All&gt; using the Project Management menu.</p>
<ul style="list-style-type: none"> <li>Base Classes</li> </ul>	<p>Place the cursor on a class name.</p> <p>Right click, then. click Base Classes.</p> <p>Or Click Base Class Tree Icon  in the main toolbar</p> <p>Or press Alt+F12 hotkey</p>
<ul style="list-style-type: none"> <li>Derived Classes</li> </ul>	<p>Place the cursor on a class name.</p> <p>Right click, then. click Base Classes.</p> <p>Or Click Derived Class Tree Icon  in the main toolbar</p> <p>Or press Ctrl+F12 hotkey</p>

<ul style="list-style-type: none"> <li>• The complete Project Class Tree</li> </ul>	<p>After creating the Browse Information for the whole project, Click Tree→Create Project Classes. Or press Ctrl+F10 hot key</p>
<ul style="list-style-type: none"> <li>• Highlight Nodes</li> </ul>	
<ul style="list-style-type: none"> <li>• Hide Nodes</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>CREATE A PROJECT FROM A CALL TREE</b></li> </ul>	
<ul style="list-style-type: none"> <li>• Export</li> </ul>	
<ul style="list-style-type: none"> <li>• Zoom In / Zoom Out</li> </ul>	
<ul style="list-style-type: none"> <li>• Print</li> </ul>	<p>Right-click in the Tree Window, then click on Print</p>