# Browser

The Model Browser (Containment tree, Diagrams tree, etc.) is a based GUI part for displaying various model trees and panels

```
    Browser browser = Application.getInstance().getMainFrame().
getBrowser();
```

The browser has five trees by default (some of them are be default hidden):

- containment
- diagrams
- inheritance
- extensions
- search results

The browser has 3 panel by default

- documentation
- properties
- zoom

Last activated tree is marked as active:

```
    BrowserTabTree activeTree = browser.getActiveTree();
```

Every tree is based on Swing JTree and all manipulations can be done by using the API provided by Swing:

```
        JTree tree = activeTree.getTree();
```

Selected nodes are accessible in the following way:

```
    Node[] nodes = activeTree.getSelectedNodes();
```

Node is derived from *javax.swing.tree.DefaultMutableTreeNode*.

**Selecting/opening element in tree**

In order to select some element in tree, you need

- Open(activate) a tree using *com.nomagic.magicdraw.ui.browser.Browser#getContainmentTree*;
- Call *com.nomagic.magicdraw.ui.browser.Tree#openNode(com.nomagic.magicdraw.uml.BaseElement).*