

# ACH - Working with sub-objects



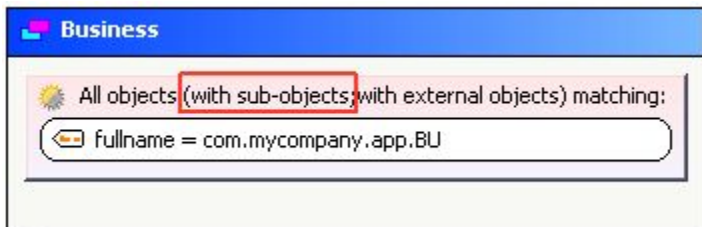
Starting from CAST AIP 8.3.23, **CAST Architecture Checker** will no longer be installed as part of the CAST AIP setup, whether installing CAST AIP from scratch or on a server where a previous release of CAST AIP exists. CAST Architecture Checker has evolved into a **standalone component** where all feature requests and bug fixes are now managed. This standalone component can be downloaded from **CAST Extend** (<https://extending.castsoftware.com/#/search-results?q=archchecker>).

Up-to-date documentation can be found here: [CAST Architecture Checker](#).

## Working with sub-objects

If you are dragging and dropping identification, types and categories from the [Types and Properties window](#) to the [Main window \(Model tab\)](#) to create your selection criteria, by default, the Architecture Checker will use the basic **All objects matching** criterion. This will match all objects with any of the criteria you add in.

In addition, any **sub-objects** of the matched object(s) will also be assigned to the layer or set (as well as [external objects](#)). Sub objects are for example packages, classes and interfaces contained in a parent Java Package object.



If you prefer not to include sub-objects, you can do two things:

- [Modify existing criteria in a layer or set](#)
- [New empty layer or set](#)

### Modify existing criteria in a layer or set

- Right click the pink criterion section in the layer or set
- Choose **Properties** in the contextual menu
- Untick the **Include sub-objects** option:

- Click **OK** to complete the operation.

### New empty layer or set

- Right click the empty layer or set
- Choose **Add selection criteria** in the contextual menu
- Untick the **Include sub-objects** option as above
- Click **OK** to complete the operation.

### Results

Either operation above will result in a criterion that does not include sub-objects:

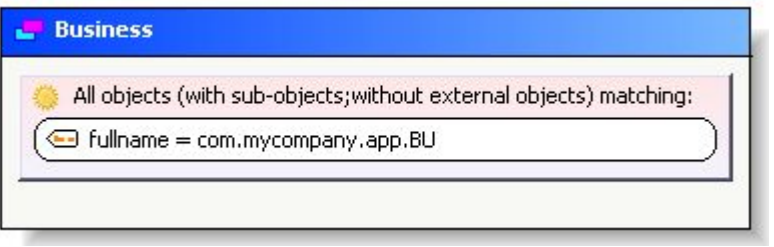
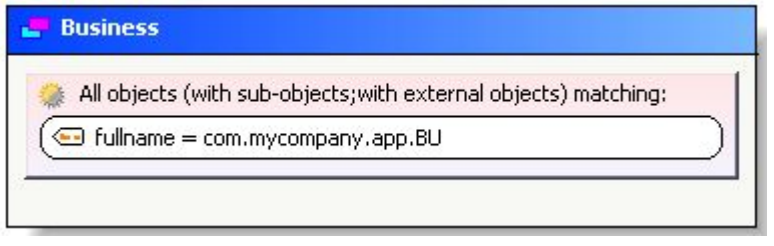
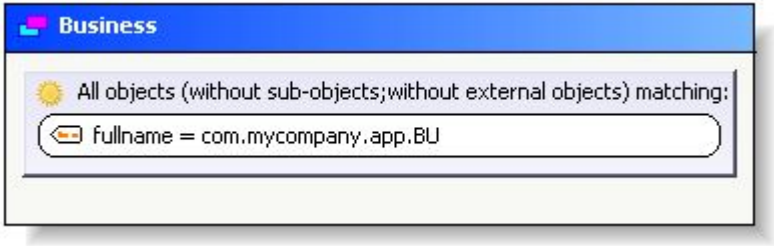
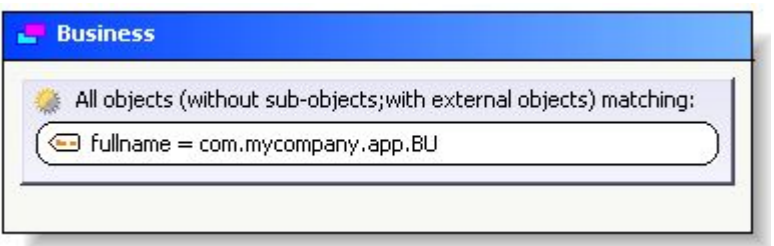
**Business**

All objects (without sub-objects;with external objects) matching:

fullname = com.mycompany.app.BU

### Colours

Depending on the combination of options you choose, the Layer or Set will change colour as follows (note the background colour and the yellow/grey circular icon in the top left of the criterion):

<p>Include sub-objects ticked, Include external objects not ticked</p>	 <p><b>Business</b></p> <p>All objects (with sub-objects;without external objects) matching:</p> <p>fullname = com.mycompany.app.BU</p>
<p>Include sub-objects ticked, Include external objects ticked</p>	 <p><b>Business</b></p> <p>All objects (with sub-objects;with external objects) matching:</p> <p>fullname = com.mycompany.app.BU</p>
<p>Include sub-objects not ticked, Include external objects not ticked</p>	 <p><b>Business</b></p> <p>All objects (without sub-objects;without external objects) matching:</p> <p>fullname = com.mycompany.app.BU</p>
<p>Include sub-objects not ticked, Include external objects ticked</p>	 <p><b>Business</b></p> <p>All objects (without sub-objects;with external objects) matching:</p> <p>fullname = com.mycompany.app.BU</p>