Jive Documentation

Release 7.6

PONS

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Jive is a standalone JAVA application designed to browse and edit the static **TANGO database**. Jive has been written using **Swing** and need a JVM higher than 1.6.0. You will find in this documents the way to manage and create devices, properties and classes. Jive also offers advanced search/selection features.

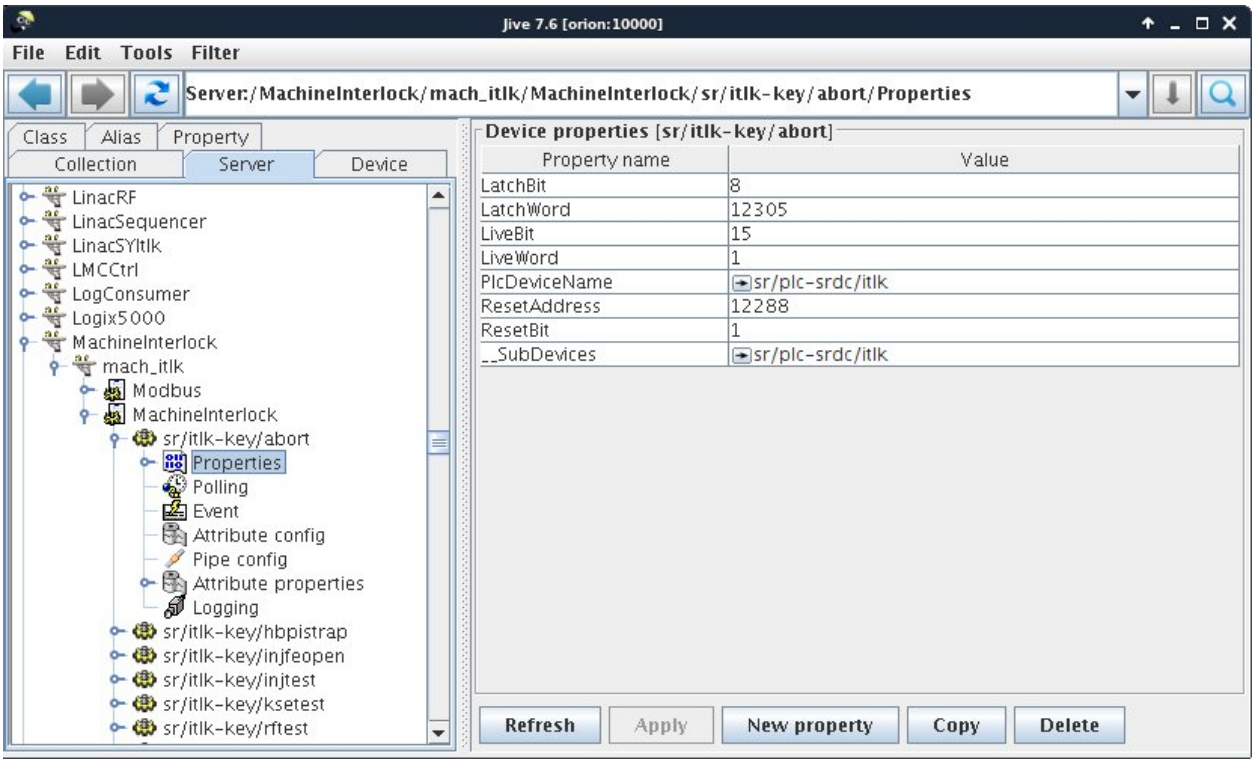

Fig. 1: **Jive: A Tango Database browser**

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CHAPTER 1

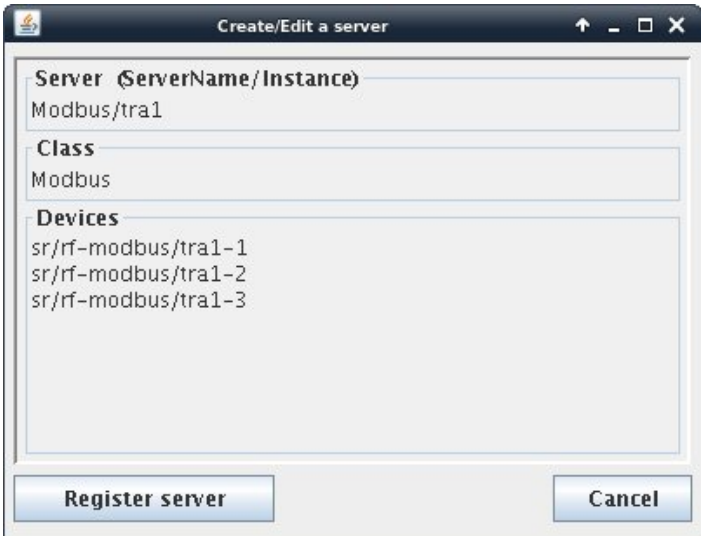
Manage Servers

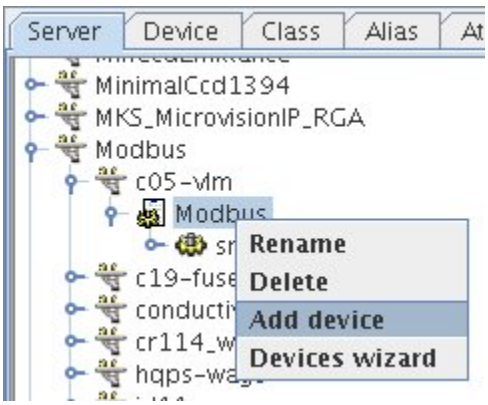
1.1 Creating a Tango server

To Create a server , Open the server creation dialog within the **Edit** menu.

- Enter the server name including its instance name: Ex: Modbus/tra1 where Modbus is the name of the process (the executable name) and tra1 its instance name.Then you can run your server by launching “Modbus tra1”.
- Enter the class name
- Enter all devices of this class
- Click on Register server

1.2 Adding or Removing device to/from an existing server



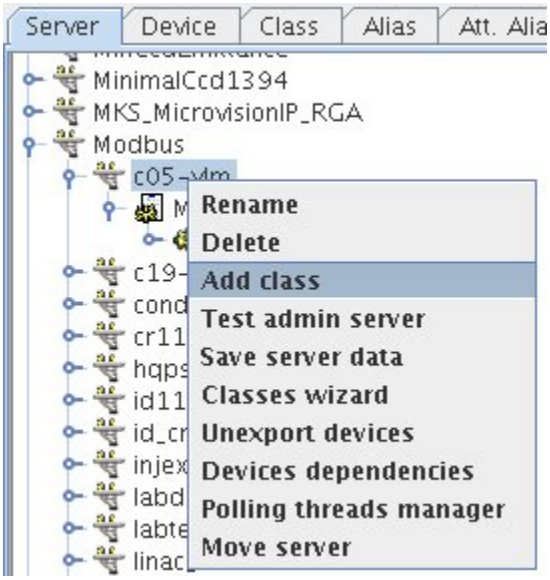


Select the class in the server you want to add a device, then right click on it and select "Add a device". This will ask you for a device name. Select "Delete" if you want to remove the device. Note that when you remove a device all its properties are also removed.

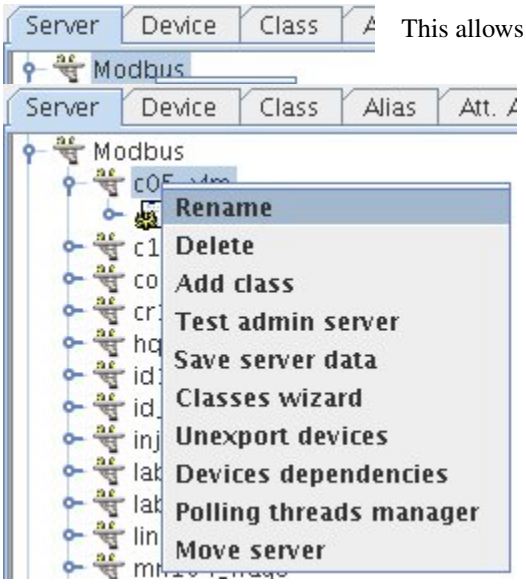
1.3 Adding or Removing class to/from an existing server

Select the server you want to add a class, then right click on it and select "Add class". This will show you the Create/Edit server window with the server name locked. Enter the class and devices name and click "Register Server".

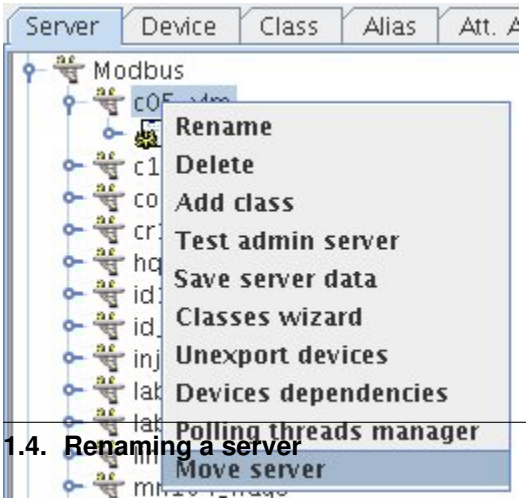
1.4 Renaming a server



This is a global rename of a server (executable name), all instances are affected.



This allows to rename the instance of one specific server.

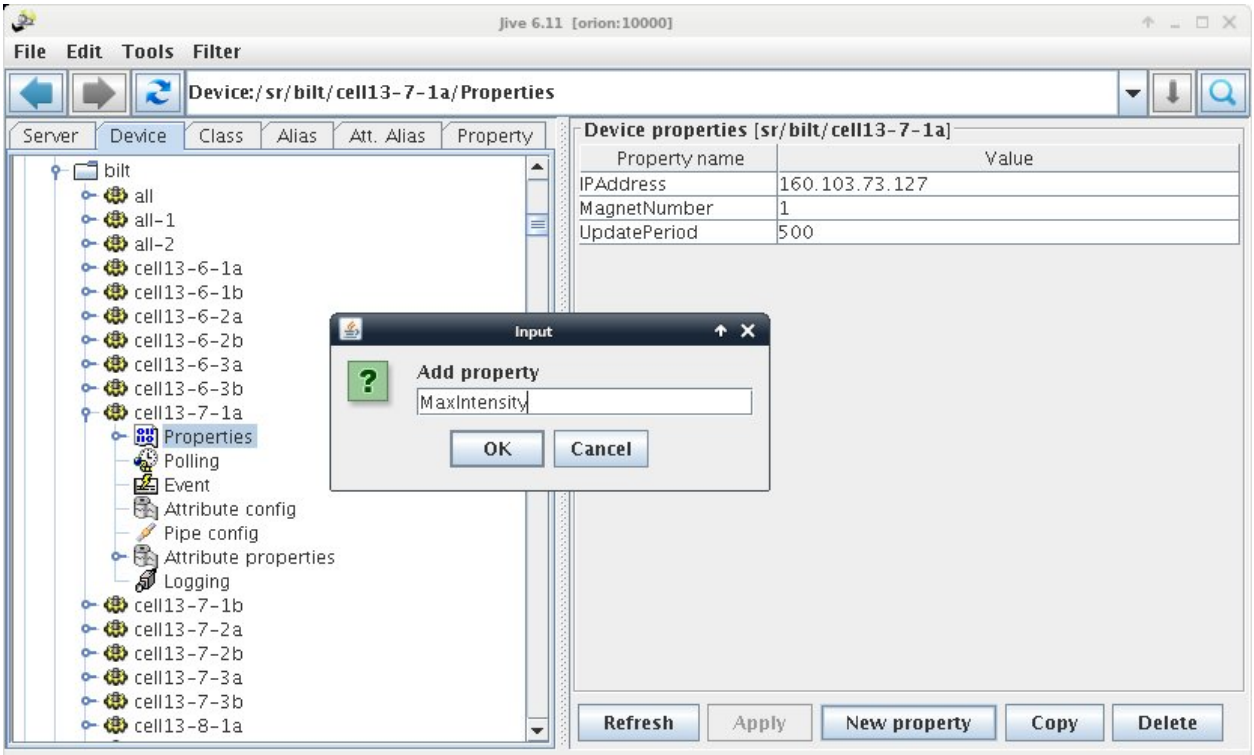


This allows to rename the server name and instance name of one specific server.

CHAPTER 2

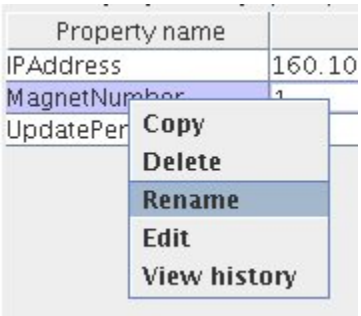
Manage Properties

2.1 Creating a Property



Go in the device tree and select the Properties node, then click on the “New property” button. This will prompt an input dialog where you can enter the property name.

2.2 Rename a Property

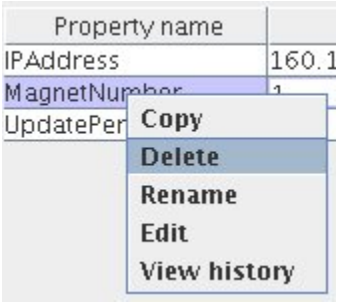


Rigth click on the property name in the property table and select "Rename", This will allow you to give a new name to your property.

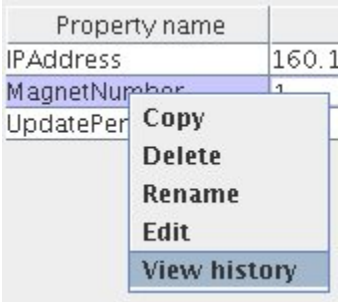
2.3 Delete a Property

You can select "Delete" (right click on the property item) to remove one propery. You can also right click on the device node and select "Delete". This will erase all properties (including attribute properties) for the device. Note that if you want to remove the device itself, you have to remove it from its class in the server definition.

2.4 History of a Property



You can access to the change history of a property by selecting "View History". This opens the history dialog.



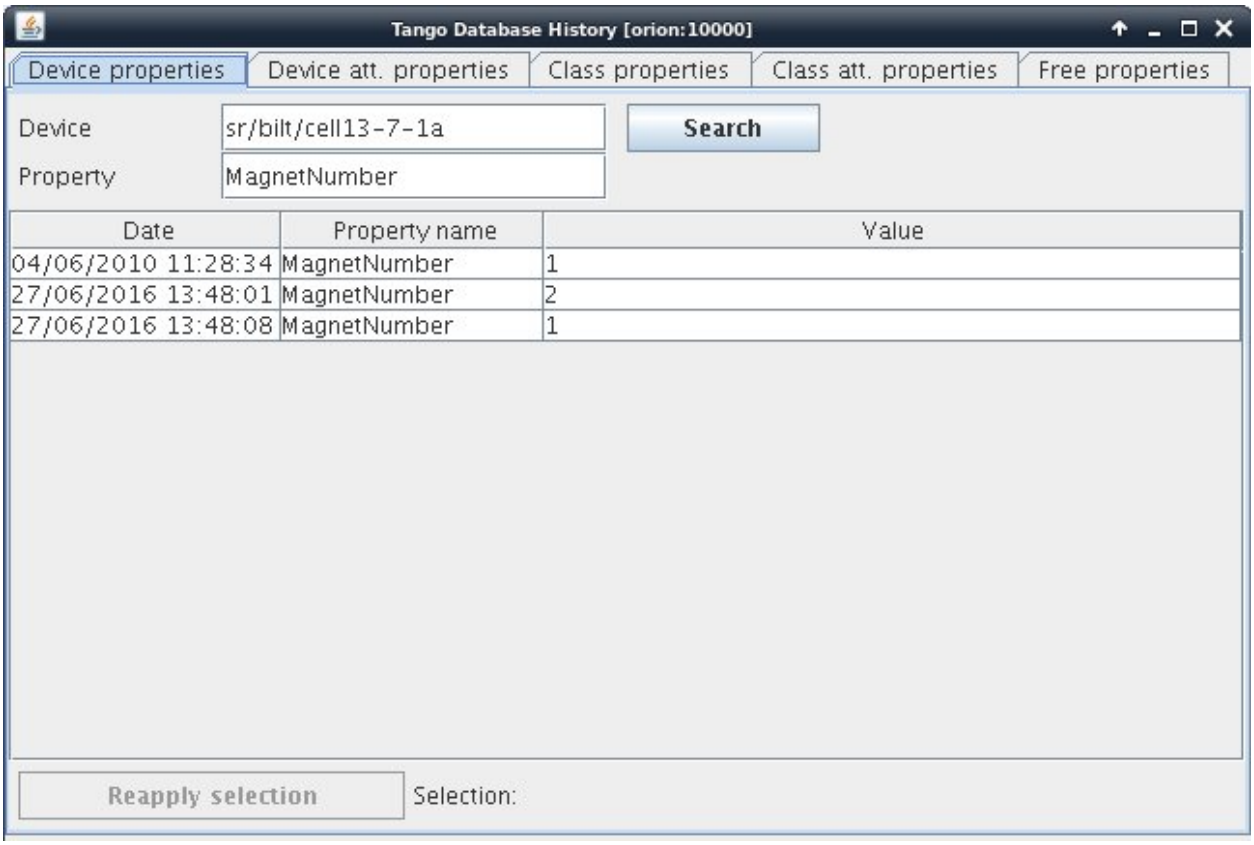


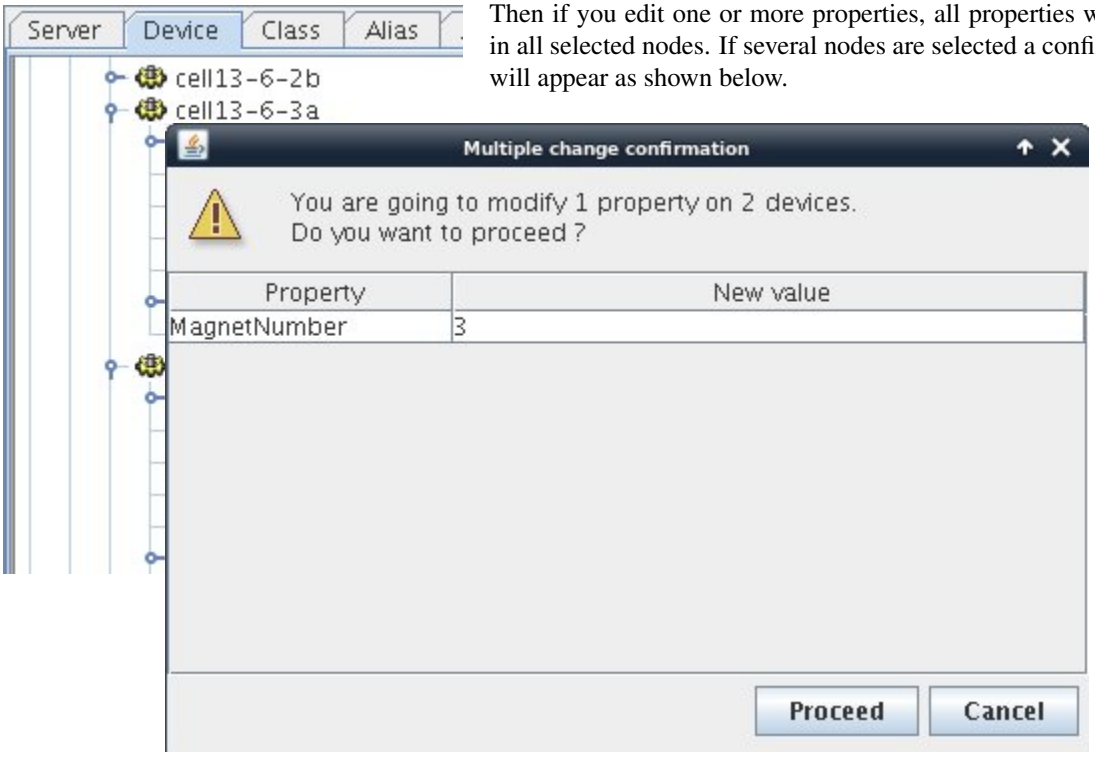
Fig. 1: **Tango Database History dialog**

CHAPTER 3

Advanced Editing

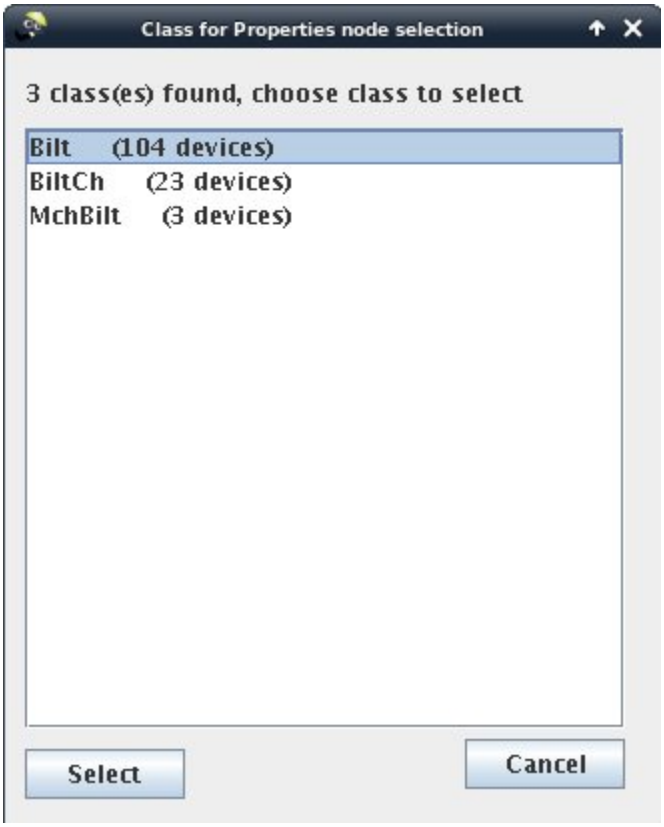
3.1 Multiple Editing

You can select several property nodes by holding the CTRL key down. Then if you edit one or more properties, all properties will be affected in all selected nodes. If several nodes are selected a confirmation dialog will appear as shown below.

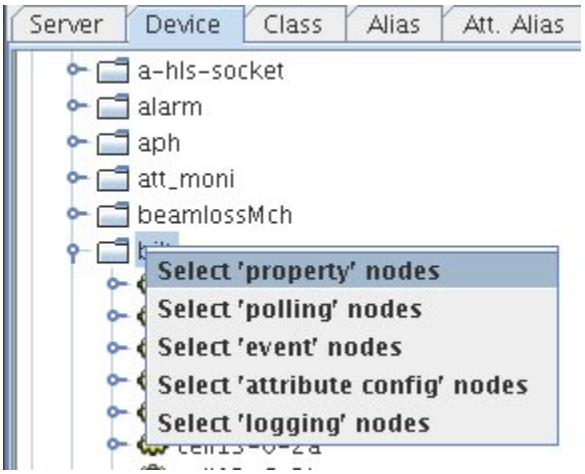


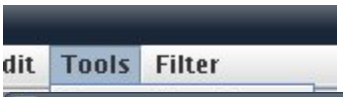
3.2 Multiple Selection

You can by rigth clicking on a domain or family node select a type of node to select. Then a dialog will ask you which class you want to select. All classes present in the tree under the selection root will be selectable as shown below.

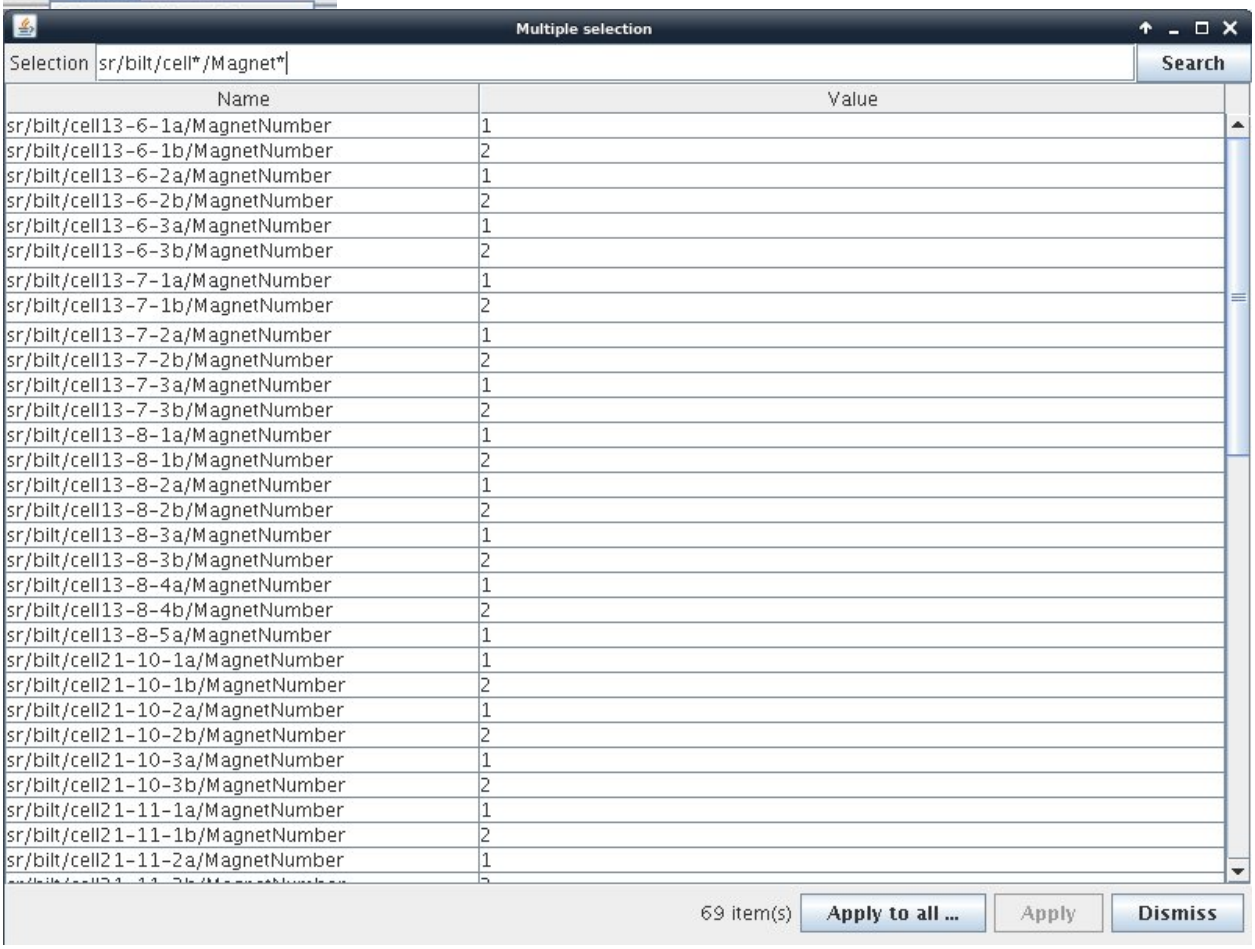


3.3 Multiple Selection in a table





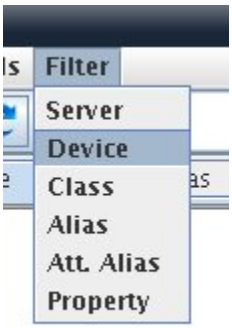
You can select multiple properties by using a filter. Select "Multiple selection" from the tools menu to display the multiple selection table.



- Enter a selection filter using wildcard '*' to get the list of desired properties.
- You can edit a single propery in the talbe or Apply a global value to all the selection by clicking on the "Apply to all" button. "Apply to all" will first ask for the value to be applied.

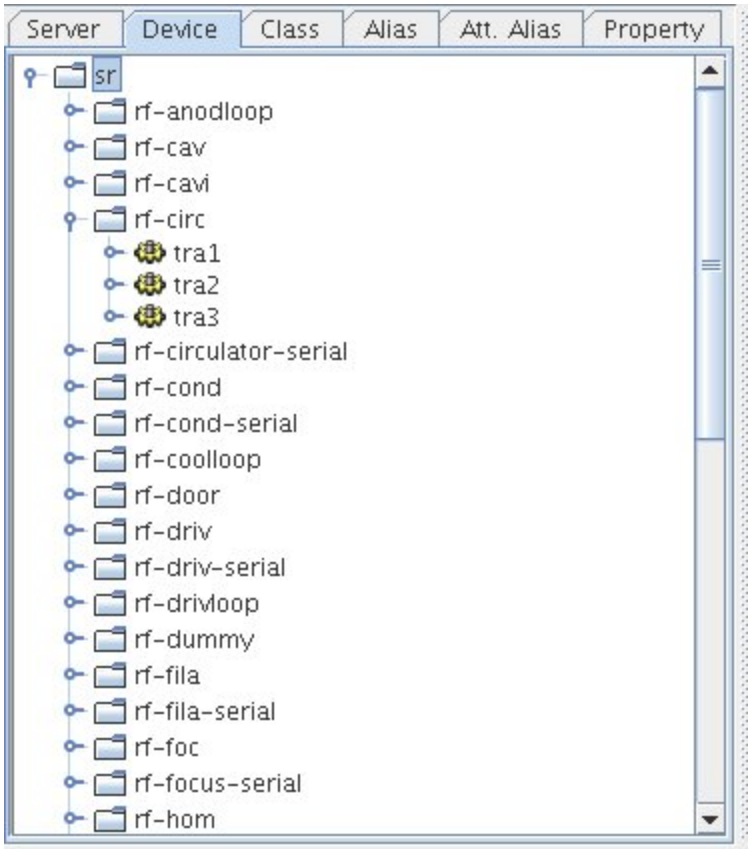
CHAPTER 4

Filtering the nodes in trees



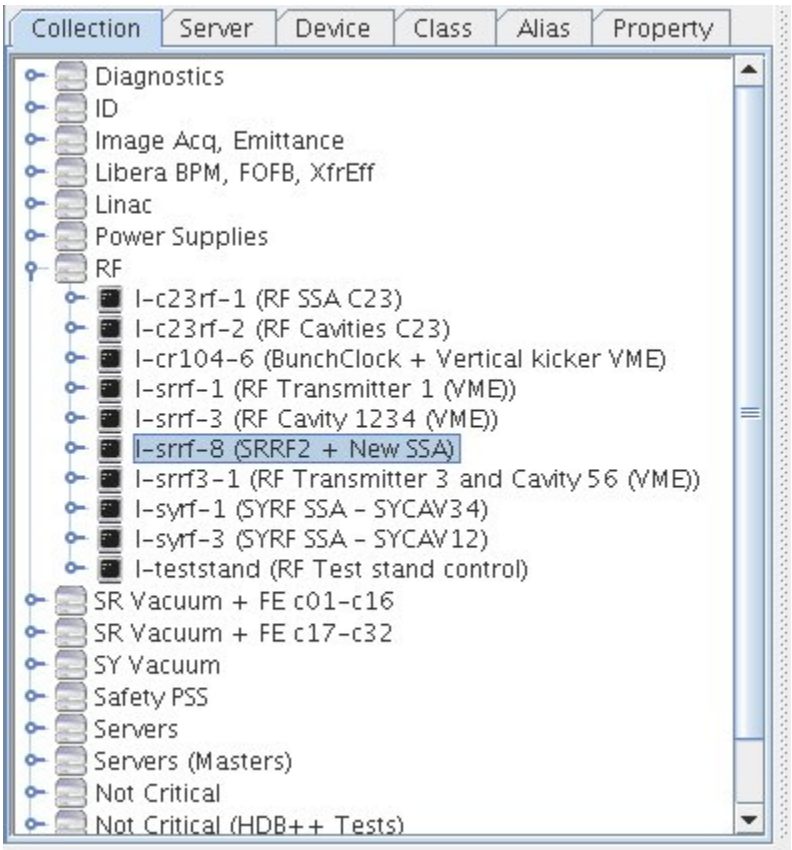
It is possible to filter some nodes in selection trees. Select which tree you want to be filtered then enter a filter (using wildcard) in the input dialog.

Then the device tree will be displayed as below:


Server
Device
Class
Alias
Att. Alias
Property
sr
rf-anodloop
rf-cav
rf-cavi
rf-circ
tra1
tra2
tra3
rf-circulator-serial
rf-cond
rf-cond-serial
rf-coolloop
rf-door
rf-driv
rf-driv-serial
rf-drivloop
rf-dummy
rf-fila
rf-fila-serial
rf-foc
rf-focus-serial
rf-hom

CHAPTER 5

Displaying collection



It is possible to display the servers tree organized as host collection (Astor view). To enable this, you can use the -p option (see command line options). To configure host collection, you have to follow the Astor configuration process and to configure Starter properties.

CHAPTER 6

Command line

6.1 Dependencies (CLASSPATH)

```
ASTOR=$TANGO_JAVA_APPLIS/Astor.jar
JSSHTERMINAL=$TANGO_JAVA_APPLIS/JSSHTerminal.jar
LOGVIEWER=$TANGO_JAVA_APPLIS/LogViewer.jar
LOG4J=$TANGO_JAVA_LIBS/log4j.jar
TANGO=$TANGO_JAVA_LIBS/JTango.jar
TANGOATK=$TANGO_JAVA_LIBS/ATKCore.jar:$TANGO_JAVA_LIBS/ATKWidget.jar
ATKPANEL=$TANGO_JAVA_APPLIS/atkpanel.jar
JIVE=$TANGO_JAVA_APPLIS/Jive.jar

CLASSPATH=$TANGO:$TACO:$TANGOATK:$ATKPANEL:$JIVE:$LOGVIEWER:$LOG4J:$ASTOR
```

Note: Astor.jar is needed for "Polling thread manager" and "Device dependencies" features.

6.2 Command line

```
java -DTANGO_HOST=host:port jive3.MainPanel
```

6.3 Command line options

```
Usage: jive [-r] [-s server] [-d device] [-fxx filter] [-p panel]
 -r        Read only mode (No write access to database allowed)
 -s server Open jive and show specified server node (server=ServerName/instance)
 -d device Open jive and show specified device node (device=domain/family/member)
 -fs filter Default server filter
 -fd filter Default device filter
```

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```
-fc filter Default class filter
-fa filter Default alias filter
-faa filter Default attribute alias filter
-fp filter Default property filter
-p panelmask (1=Collection 2=Server 4=Device 8=Class 16=DevAlias 32=AttAlias␣
↪64=FreeProperty)
```