Aerotech Tango Classes are intended to interface A3200 and Ensemble Drivers in a generic way.
They have been designed to offer basic positioning functions.
They offer a simple generic interface for both A3200 and Ensemble.

See also « Installation and Configuration of the device Ensemble.pdf » which can be simply adapted for A3200

Prerequites :
You need to have basic knowledge of Tango
You need to have Tango installed on the computer, and running
You need to have a knowledge of the controller you want to interface

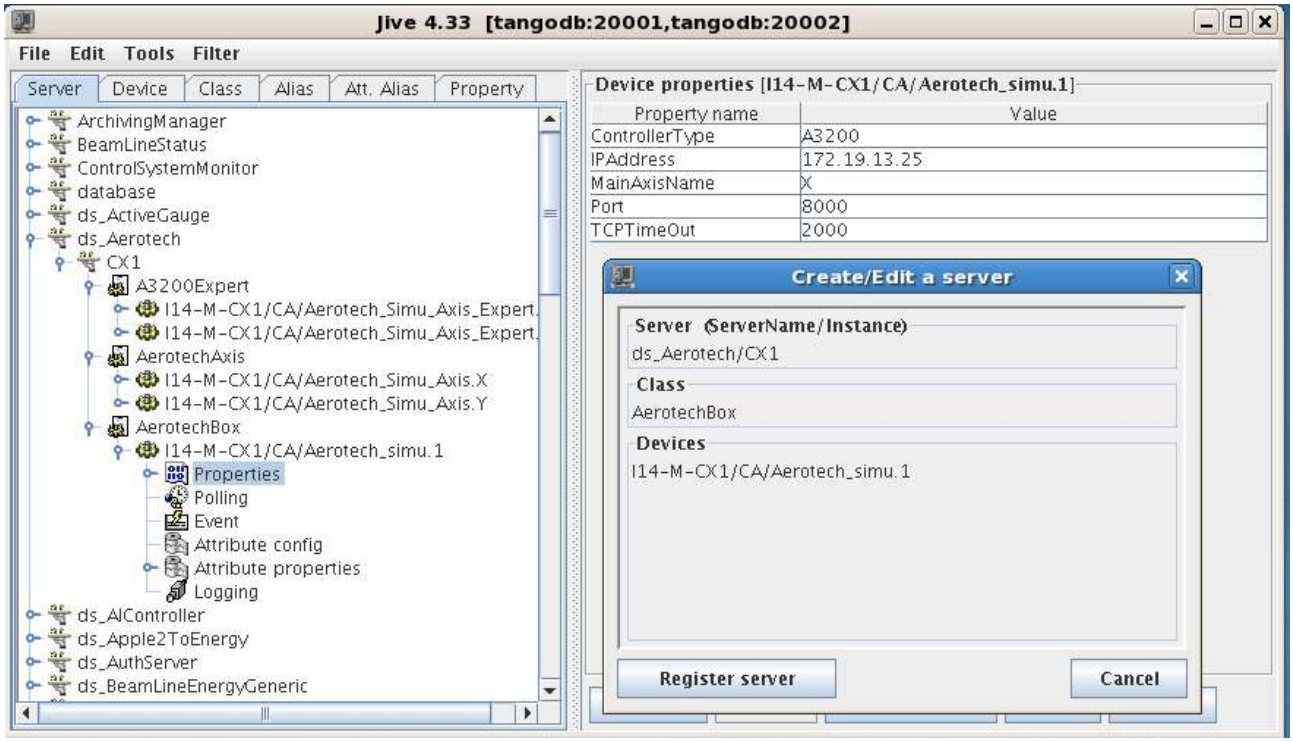
The rule is :

for 1 Aerotech controller:

- 1 AerotechBox,
- and as much AerotechAxis as you have Axes : for the following example, there is 2 axes handled by the controller
- If you need the specific functions, add as much xxxxxxExpert as you need

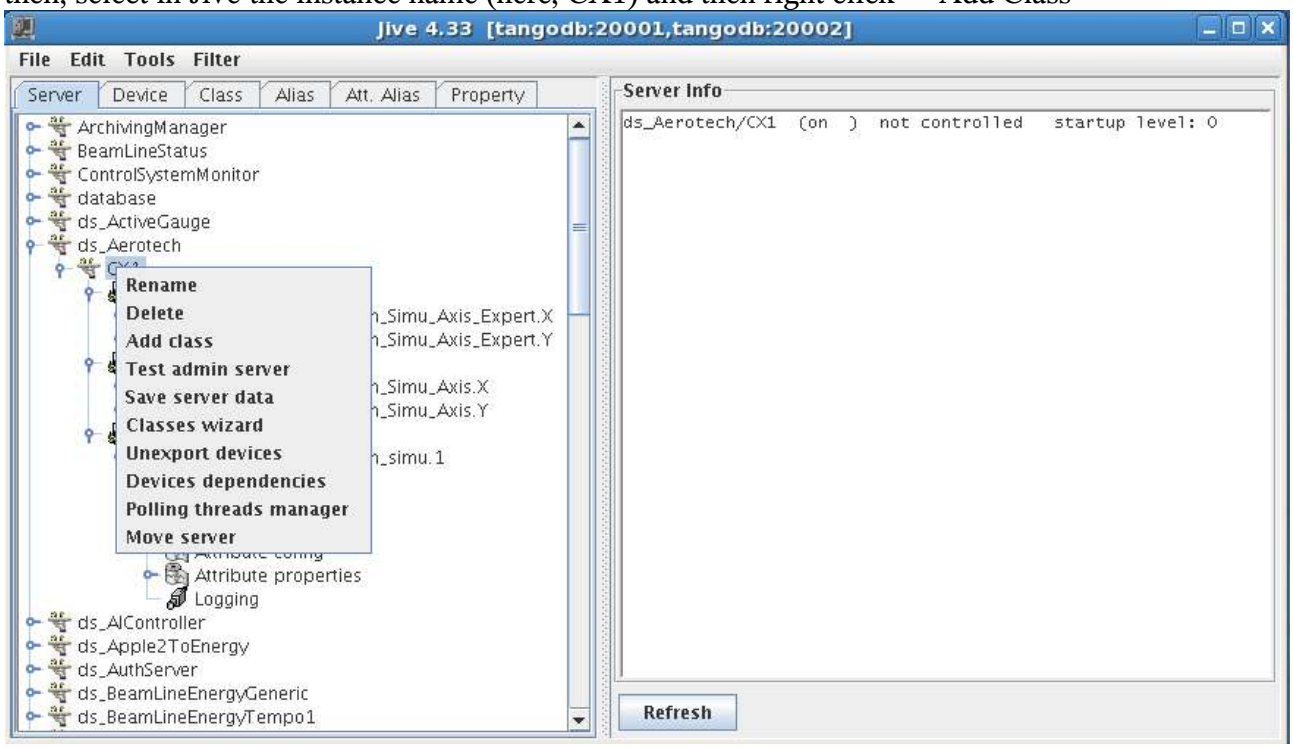
First you must declare an AerotechBox in Tango :
use Jive in rw mode

Edit->Create Server

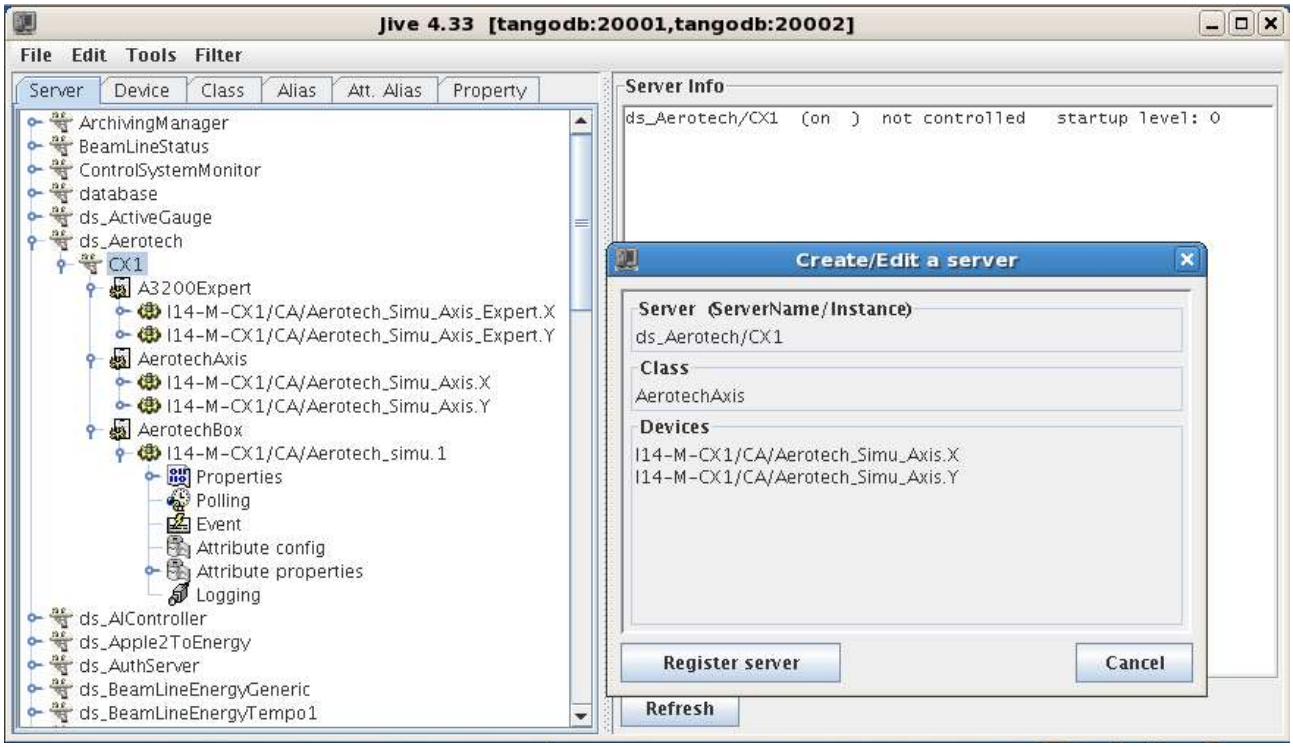


fill the fields to fit the names you want to see

then, select in Jive the instance name (here, CX1) and then right click -> Add Class



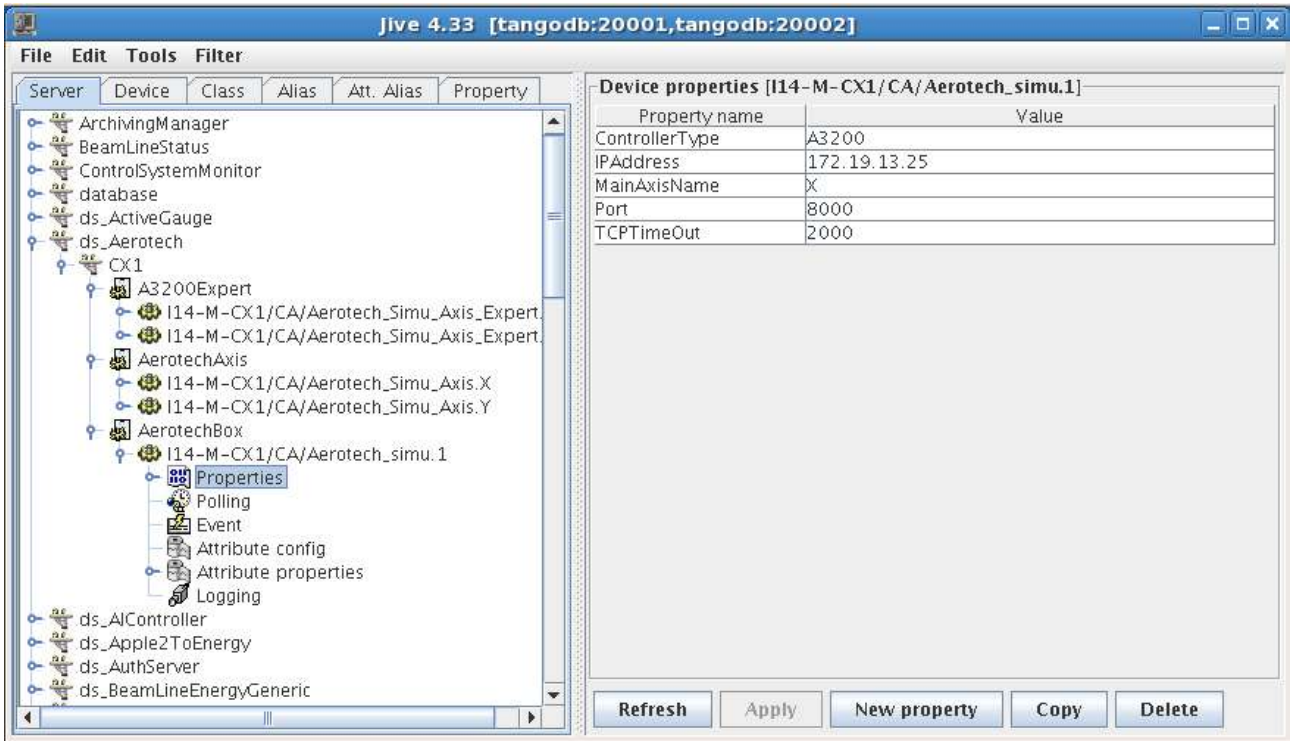
Fill the fields as required



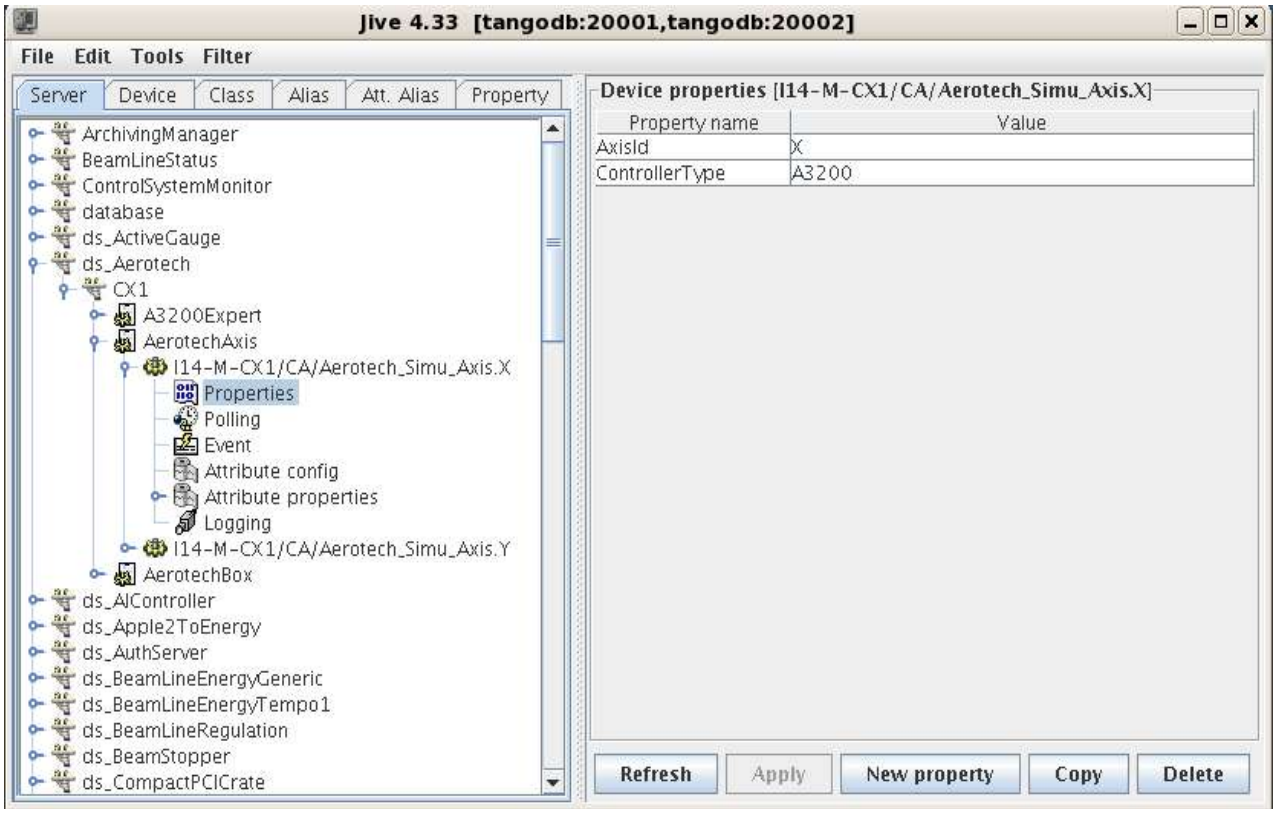
Then do the same for (A3200 Expert) or (EnsembleExpert) function of the drivers you have

You can create the necessary properties from different ways :

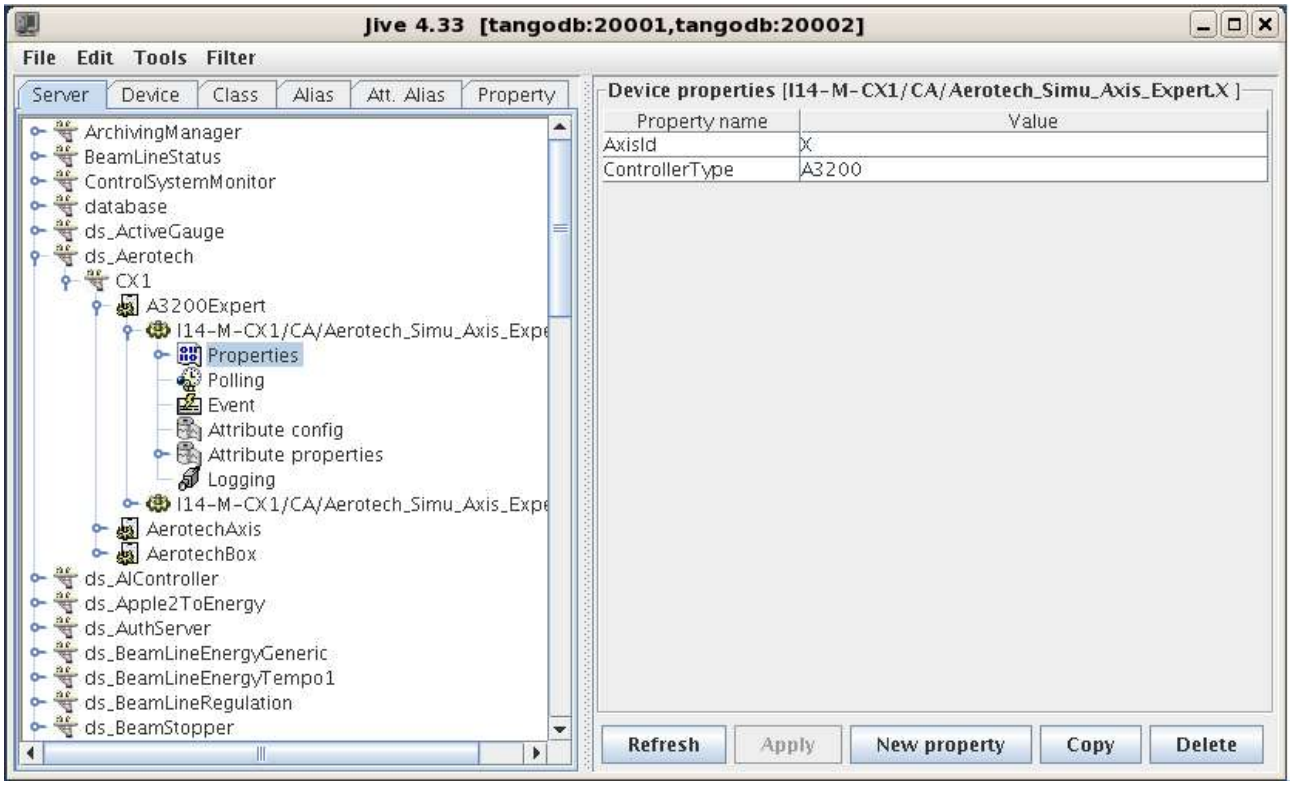
- use ASTOR and the wizzard
- use Jive-rw and create properties with the « New Property » button
- start the device server on command line, it will create the properties with default values that you will adapt to your needs



repeat for each axis



and finally for each xxxxxxExpert



Use of the Different classes :
Use AerotechBox for general Aerotech Controller purposes like Reset, SaveInFlash...

Use AerotechAxis to control the positioning : use the R/W attributes to go to position, change velocity,...
use commands Enable/Disable to switch ON/OFF the power amplifier, ...

Use xxxxxxExpert to get/set expert values like arbitrary registers, soft limits, homing parameters,...
Use the Tango mailing list to report bugs and have best-effort support
Feedback will be appreciated
hope it helps,
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