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# PyTango 2.0.2

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# PyTango 2: What's new?

Tango Meeting  
26-27/05/2005



- ported to Tango v5.1;
- event support;
- new data types;
- wrapped class `AttributeProxy` (still some problems with async reads);
- wrapped some methods of `ApiUtil`;
- tequip: a simple command-line test program;
- some bugfixes.

# PyTango 2: PyTango + PyQt

Tango Meeting  
26-27/05/2005



- PyTango uses: fast gui development with PyQt:
  - DeviceExplorer: search database for device servers running on a given host;
  - DevicePanel: generic panel (clone of jive's one);
  - Several specific panels for I/O boards



# PyTango 2: PyTango + PyQt

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26-27/05/2005



ADIOS  
running on coccob

**ON**

Decimal:

ADC: **-1**

DAC: **534**

0.5034 APPLY

|     |         |       |
|-----|---------|-------|
| OUT | 0: High | Clear |
| OUT | 1: Low  | Set   |
| OUT | 2: Low  | Set   |
| OUT | 3: Low  | Set   |
| OUT | 4: High | Clear |
| OUT | 5: Low  | Set   |
| OUT | 6: Low  | Set   |
| OUT | 7: Low  | Set   |
| ?   | 8: Low  |       |
| ?   | 9: Low  |       |
| ?   | 10: Low |       |
| ?   | 11: Low |       |

Error Log

Status  
Open /dev/adios0;  
vmeaddr 0xffff8000

FUG t/f/Lg/2.1

**ON**

voltage [V]  
123.0  
+00123 APPLY

Current [A]  
0.0  
00.000 APPLY

**Zero**

**Zero**

Error Log

Status  
Connected to  
serial device  
coccob ll/tip800/0

TIP600 Digital Input  
running on coccob ll

**ON**

|         |
|---------|
| 0: Low  |
| 1: Low  |
| 2: Low  |
| 3: Low  |
| 4: Low  |
| 5: Low  |
| 6: Low  |
| 7: Low  |
| 8: Low  |
| 9: Low  |
| 10: Low |
| 11: Low |
| 12: Low |
| 13: Low |
| 14: Low |
| 15: Low |

Reset

Error Log

Status  
Open /dev/tip6000;  
vmeaddr 0xffff5000

TIP700 Digital Output  
running on coccob ll

**ON**

|         |       |
|---------|-------|
| 0: Low  | Set   |
| 1: Low  | Set   |
| 2: Low  | Set   |
| 3: High | Clear |
| 4: Low  | Set   |
| 5: Low  | Set   |
| 6: High | Clear |
| 7: High | Clear |
| 8: Low  | Set   |
| 9: Low  | Set   |
| 10: Low | Set   |
| 11: Low | Set   |
| 12: Low | Set   |
| 13: Low | Set   |
| 14: Low | Set   |
| 15: Low | Set   |

Reset

Error Log

Status  
Open /dev/tip7000;  
vmeaddr 0xffff5000

# PyTango 2: What's next?

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Tango Meeting  
26-27/05/2005



- port to Tango 5.2;
- wrap Group class;
- solve thread problems with events and Qt event loop (try latest Sip/PyQt version);
- test, test, test

# PyTango 2:

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Tango Meeting  
26-27/05/2005



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