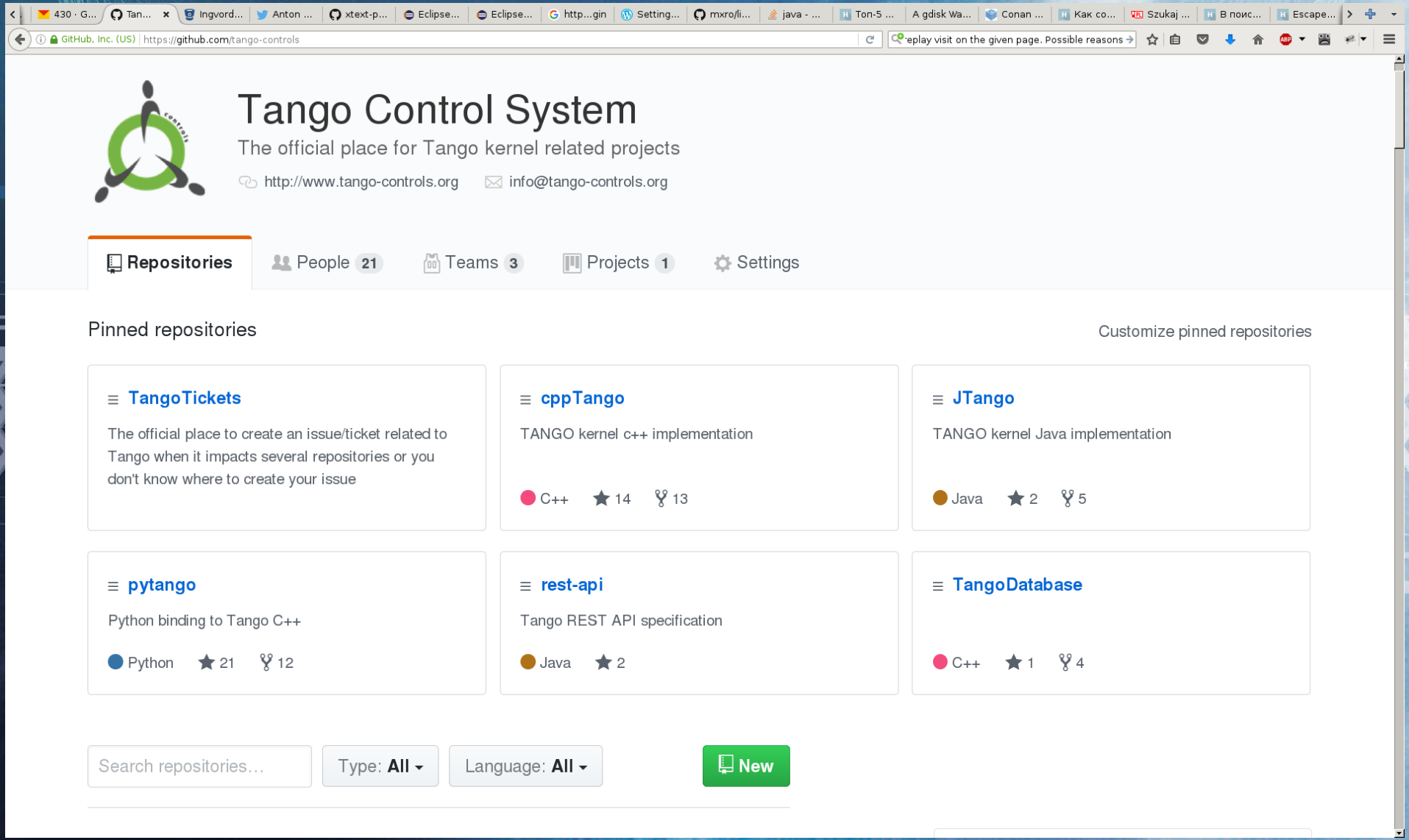
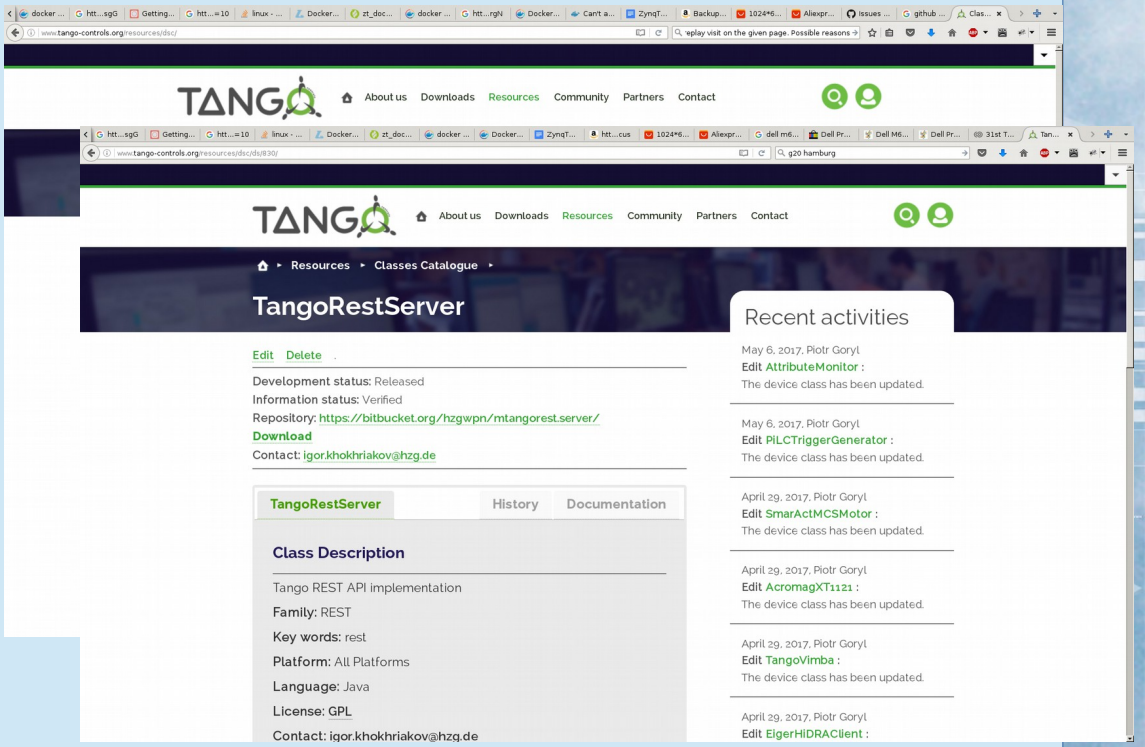
>>>TANGO Controls on GitHub


Tango Control System
The official place for Tango kernel related projects
http://www.tango-controls.org
info@tango-controls.org
Repositories
People 21
Teams 3
Projects 1
Settings
Pinned repositories
Customize pinned repositories
TangoTickets
The official place to create an issue/ticket related to Tango when it impacts several repositories or you don't know where to create your issue
cppTango
TANGO kernel c++ implementation
C++ 14 13
JTango
TANGO kernel Java implementation
Java 2 5
pytango
Python binding to Tango C++
Python 21 12
rest-api
Tango REST API specification
Java 2
TangoDatabase
C++ 1 4
Search repositories…
Type: All
Language: All
New

- GitHub.com/tango-controls
- Migrated projects
  - C++
  - PyTango
  - JTango
  - Built-in tools
  - REST API et al
  - PANIC et al
  - HDB++
  - ...

What about devices?!

- In general devices reside in their own repositories e.g. SourceForge/svn
- Accessible for browsing on the Tango web site via Device Catalogue



TANGO roadmap FR#2 ✓

>>>TANGO kernel
development

C++ kernel library status report

- C++
  - Bintray debian repo
  - Docker containers for testing
- DevEnum labels in commands
- Others (???)

JTango library status report

- Synchronized with SourceForge/svn in April 2017
- Single assembly
- Bintray maven repo

>>>TANGO Kernel
ROADMAP

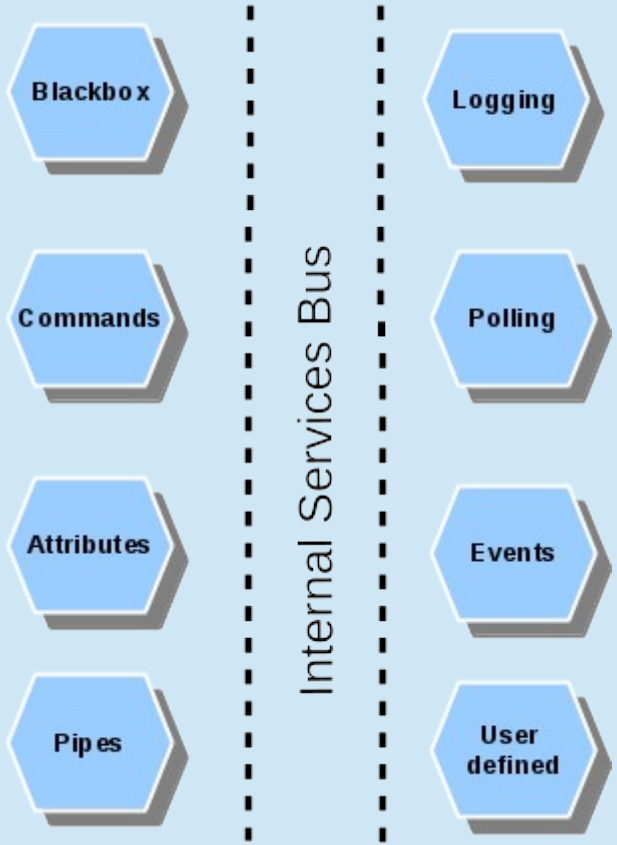
- TANGO 9 LTS
- TANGO 10 minor releases to bintray
- TANGO 10 Refactoring 0: code clean up (end of 2017)
- TANGO 10 Refactoring 1: Protocol API (end of 2019)
  - Absorbing CORBA
- TANGO 10 Refactoring 2: Internal bus architecture (end of 2020)
  - Pluggable services

C++

- Implement features
  - DevEnum labels in commands
  - DevPipeBlob in commands
- Improve event subscription
- Refactorings
  - Main mid-term goal: Tango protocol API

C++

- Long-term refactoring: Internal Services Bus



JTango

- Refactor TangORB
- Jacorb free version
- Integrate ez into TangORB
- Extract JClientLang
- Put into maven central

```
DeviceProxy proxy = new DeviceProxy("some-device");
DeviceAttribute attribute = proxy.read_attribute("some-attribute");
if(result.hasFailed()){
    throw new Exception("Can not read attribute.");
}
int dataFormat = result.getDataFormat()
int dataType = result.getType()
double result;
switch(dataType){
    case Tango_DEV_Double:
        switch(dataFormat){
            case _SCALAR:
                result = attribute.extractDouble()
            ...
        }
    ...
}
...
```

>>>Call for arms!

- Contribution
  - Code review
  - Bug fixes
    - Guidelines
  - AskTangoControls
- Subcontracting
  - Windows support
  - Documentation
  - Web site