TANGO

Connecting things together

The report from the RFC Workshop in Krakow

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S2 INNOVATION

Why the RFCs (specification)?

▶ We knew the Tango Controls taste,

▶ But we need a recipe,

▶ To maintain,

▶ And to develop,

A bit of history

- The writing of the Tango Control RFC has started in 2019

- There were regular meetings, couple of remote workshops,

- In 3 years, we have developed almost all fifteen crucial specifications, but missed few paragraphs in RFC 1/Tango and 10/Request reply,

- So … (see next slide)

Castle Korzkiew before renovation
photo: J.Strzelecki, Wikimedia Commons

We (Tango Community) organized a workshop in Catle Korzkiew, close to Krakow, Poland, 21-23.06.2022.
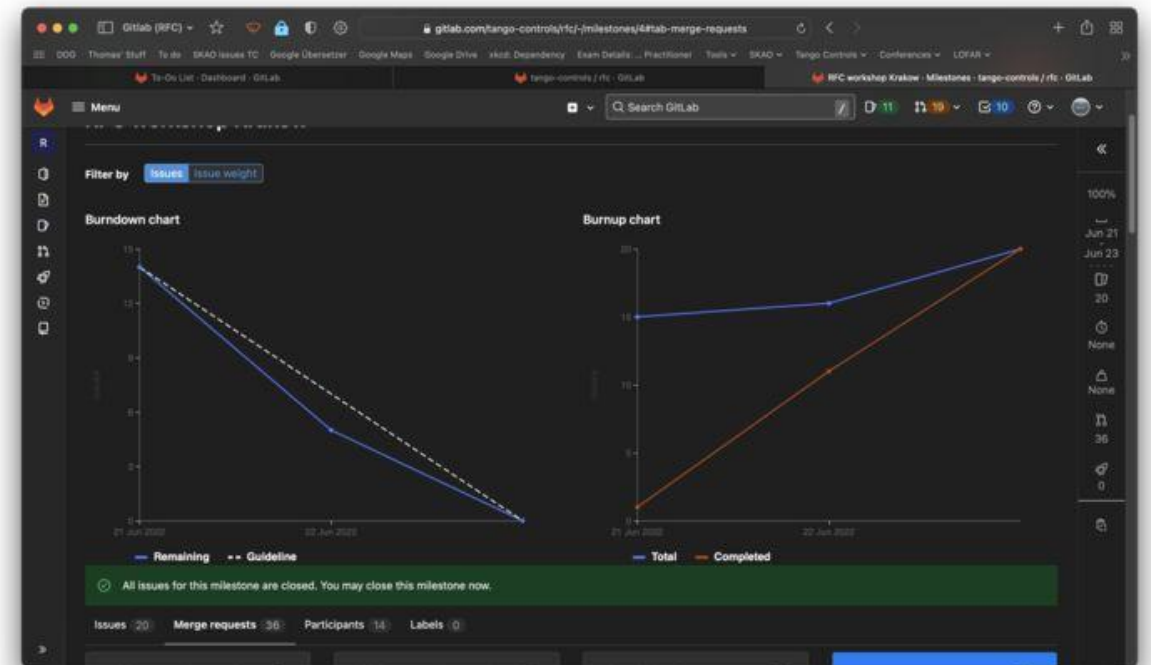We worked 3 days (and nights) on-site and remotly

What has been done

▶ The RFC 1/Tango and 10/RequestReply has been finished,

▶ The others were reviewed and cleaned,

▶ 20 Issues and 36 merge requests closed,

▶ Some features discovered (free objects),

▶ Lot of discussions on future,

https://tango-controls.readthedocs.io/projects/rfc/en/latest/index.html

Short Name	Title	Status	Editor
1/Tango	The Tango control system	Draft	Lorenzo Pivetta
2/Device	The device object model	Draft	Vincent Hardion
3/Command	The command model	Draft	Sergi Blanchi-Torné
4/Attribute	The attribute model	Draft	Sergi Blanchi-Torné
5/Property	The property model	Draft	Gwenaelle Abeillé
6/Database	The database system	Draft	Gwenaelle Abeillé
7/Pipe	The pipe model	Draft	Reynald Bourtembourg
8/Server	The server model	Draft	Lorenzo Pivetta
9/DataTypes	Data types	Draft	Gwenaelle Abeillé
10/RequestReply	The Request-Reply protocol	Draft	Reynald Bourtembourg
11/RequestReplyCORBA	The Request-Reply protocol - CORBA implementation	Postponed	
12/PubSub	The Publisher-Subscriber protocol	Draft	Vincent Hardion
13/PubSubZMQ	The Publisher-Subscriber protocol - ZeroMQ implementation	In progress	
14/Logging	Logging service	Draft	Sergi Blanchi-Torné
15/DynamicAttrCmd	The dynamic attribute and command	Draft	Reynald Bourtembourg
16/TangoResourceLocator	Tango Resource Locator	Draft	Thomas Braun

https://gitlab.com/tango-controls/rfc

After the RFC workshop

Castle Korzkiew as it is now
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Thank you!