REBUS functionality in CRIC and REBUS retirement

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Motivation

- > Rebus is technically running on best effort
 - We can't keep up with the evolution of the grid.
 - We can't easily push new features.
 - We need to be proactive before things start to break.
- We already have a system that contains all the WLCG topology and comes with features as logging, authorisation and authentication, rest APIs and data presentation UIs covering each and every of Rebus requirements.
- CRIC is already the place to validate accounting data such as Used and Free storage, CPU consumption, Physical/Logical CPUs per site and Site capacity for both Storage and CPU.

Migrating REBUS to CRIC

Data migration

- We have ported all relevant data from Rebus to CRIC.
 - Federations, Sites topology
 - Pledges
 - VO Requirements
 - Tape and disk storage accounting metrics for T1
 - Capacity information
- We keep syncing monthly and we keep history of all changes.

Functionalities migration

- Federations / Sites topology description.
- Pledge declaration.
- ➤ VO Requirements declaration.
- Accounting Data validation.
- Sharing of the data through REST APIs

Functionalities migration

- Currently the main client of Rebus API is EGI portal. This info is used to generate accounting reports.
- > This use case will also be covered by CRIC.
- > We use the validated accounting numbers that site admins report directly to CRIC to improve the reports.
- This is still under development but by the time REBUS retires all of it will be functional in CRIC.

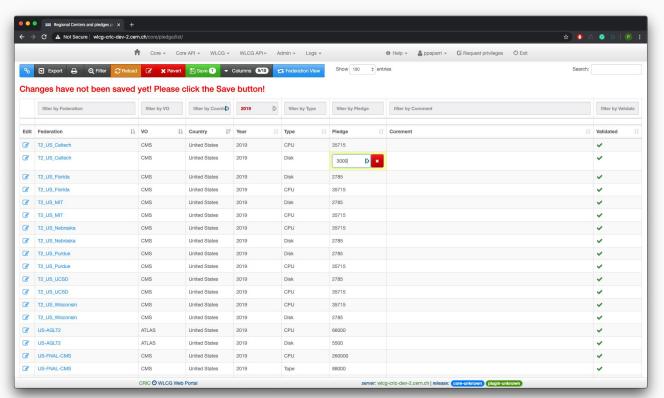
Offering a better service

Permissions manager

- > CRIC's fine grained User/Group/Permission model used for REBUS related workflows.
- > Each Federation and corresponding pledges can only be edited by responsible users.
- E-Groups based permissions for Federation/Pledge edit access enabled. We use CRICs A&A to automatically propagate any e-group updates to CRIC.
- On top of that our Request Privilege wizard can be used. Users can request necessary permissions and the admins of the system can approve them.

Easier information editing

- CRIC's modern UIs allow easier data insertion and more validation build on top.
- Bulk editing and data exporting also comes out of the box.



Pledge format Flexibility

- > Pledges model is now more flexible.
- > We have already implemented quarterly (instead of yearly) pledges, on CMS request.
- People can of course still declare yearly pledges as always. The pledge will be copied for every quarter.
- "Current" API preset provides a pledge-structure agnostic view for services to consume.

REBUS retirement plan

- > WLCG Project office already gave us the green light.
- > Federation admins need to verify that the workflows are ok from their side.
- > REBUS will go to read-only mode and with a banner on top of the pages it will redirect people to CRIC.
 - Tape and disk storage accounting metrics will be recorded in CRIC next month.
 - CRIC will become the master source of information and even though data will be synced back to rebus for a couple of months inserting them there will not be possible!
- Plan is to completely retire REBUS by end of spring.

Links

- Feel free to try at: https://wlcg-cric-dev-2.cern.ch
- Production instance will be upgraded soon: https://wlcg-cric.cern.ch

Questions