

REBUS functionality in CRIC and REBUS retirement

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- 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

- 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

- 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.

Changes have not been saved yet! Please click the Save button!

filter by Federation	filter by VO	filter by Count	2019	filter by Type	filter by Pledge	filter by Comment	filter by Validated	
Edit	Federation	VO	Country	Year	Type	Pledge	Comment	Validated
<input type="checkbox"/>	T2_US_Caltech	CMS	United States	2019	CPU	35715		✓
<input type="checkbox"/>	T2_US_Caltech	CMS	United States	2019	Disk	3000		✓
<input type="checkbox"/>	T2_US_Florida	CMS	United States	2019	Disk	2785		✓
<input type="checkbox"/>	T2_US_Florida	CMS	United States	2019	CPU	35715		✓
<input type="checkbox"/>	T2_US_MIT	CMS	United States	2019	Disk	2785		✓
<input type="checkbox"/>	T2_US_MIT	CMS	United States	2019	CPU	35715		✓
<input type="checkbox"/>	T2_US_Nebraska	CMS	United States	2019	CPU	35715		✓
<input type="checkbox"/>	T2_US_Nebraska	CMS	United States	2019	Disk	2785		✓
<input type="checkbox"/>	T2_US_Purdue	CMS	United States	2019	Disk	2785		✓
<input type="checkbox"/>	T2_US_Purdue	CMS	United States	2019	CPU	35715		✓
<input type="checkbox"/>	T2_US_UCSD	CMS	United States	2019	Disk	2785		✓
<input type="checkbox"/>	T2_US_UCSD	CMS	United States	2019	CPU	35715		✓
<input type="checkbox"/>	T2_US_Wisconsin	CMS	United States	2019	CPU	35715		✓
<input type="checkbox"/>	T2_US_Wisconsin	CMS	United States	2019	Disk	2785		✓
<input type="checkbox"/>	US-AGLT2	ATLAS	United States	2019	CPU	66000		✓
<input type="checkbox"/>	US-AGLT2	ATLAS	United States	2019	Disk	5500		✓
<input type="checkbox"/>	US-FNAL-CMS	CMS	United States	2019	CPU	260000		✓
<input type="checkbox"/>	US-FNAL-CMS	CMS	United States	2019	Tape	88000		✓

CRIC WLCG Web Portal server: wlcg-cric-dev-2.cern.ch | release: core-unknown plugin-unknown

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.

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

Questions