



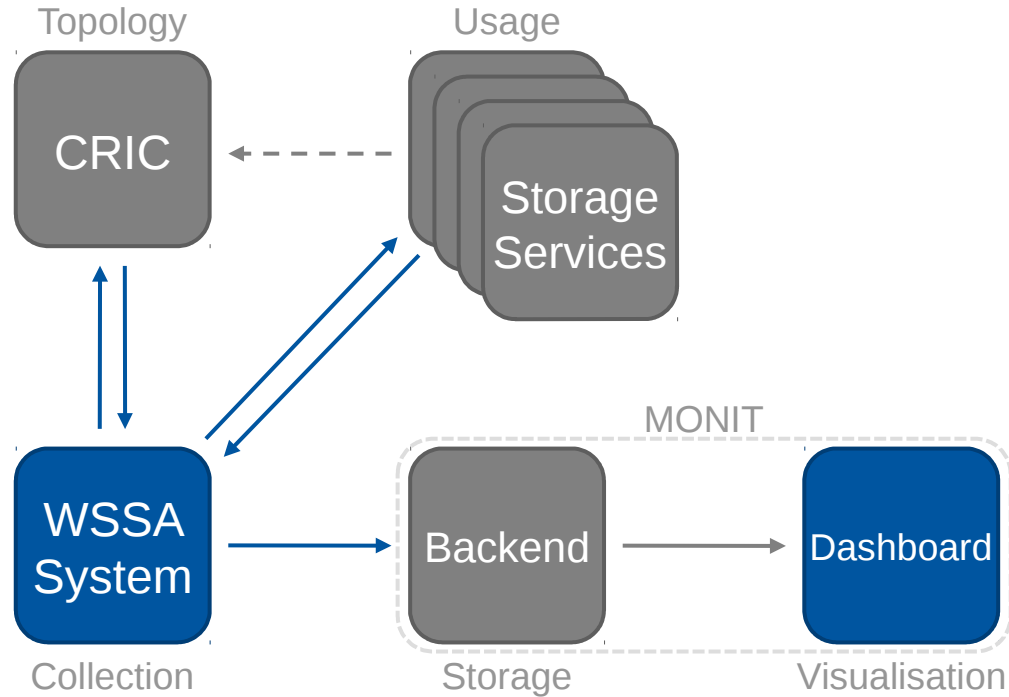
WLCG Storage Space Accounting: Status Update

Dimitrios Christidis

Quick Reminder

- ❑ Goal is a storage space accounting system that:
 - Works for the entire WLCG and all VOs
 - Is not based on SRM
- ❑ Storage Resource Reporting (SRR):
Topology description and usage information
- ❑ Computing Resource Information Catalogue (CRIC):
Collection of entire WLCG topology

Architecture



Realistic Approach

- ❑ CRIC and SRR remain under development
- ❑ Expecting deployment period by sites
- ❑ Build on existing resources
- ❑ Switch to newer ones as they become available

What's New

- ❑ Support for more VOs
- ❑ Support for tape services
- ❑ First appearance of SRR
- ❑ Other behind-the-scenes improvements

Support for LHCb

- ❑ Already hinted during the last presentation
- ❑ Topology sourced from ATP VO Feed
- ❑ Usage collected through SRM

Support for ALICE

- ❑ Topology sourced from LDAP
- ❑ Usage collected through MonALISA
- ❑ Some issues have been identified
- ❑ Working to address them at their source

Support for Tape Services

- ❑ Collaboration with the WLCG Archival Storage Working Group
- ❑ File format very similar to SRR
- ❑ Pull mechanism over HTTP
- ❑ Can support any number of metrics
- ❑ Currently implemented by five sites

First Appearance of SRR

- ❑ Deployed by EOS at CERN
- ❑ Contains only usage information
- ❑ Currently used for ATLAS and LHCb
- ❑ Working on support for ALICE and CMS

Links to Prototype Dashboards

WLCG Storage Space Accounting:

<http://cern.ch/go/vS8r>

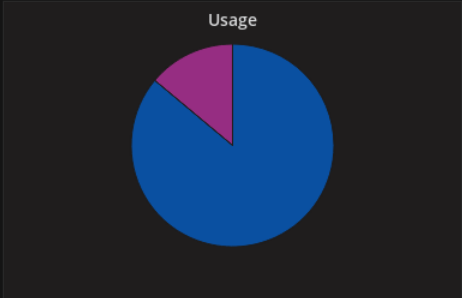
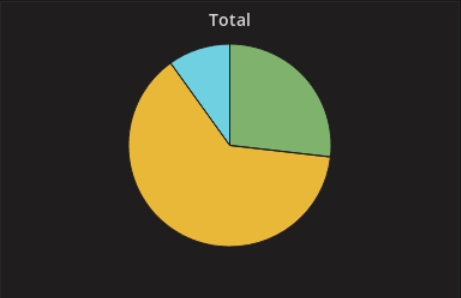
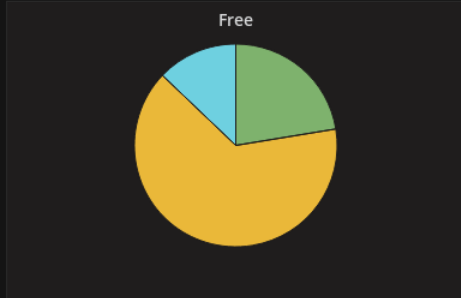
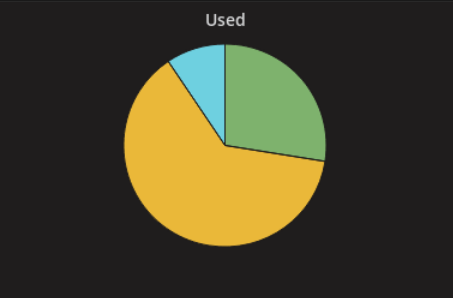
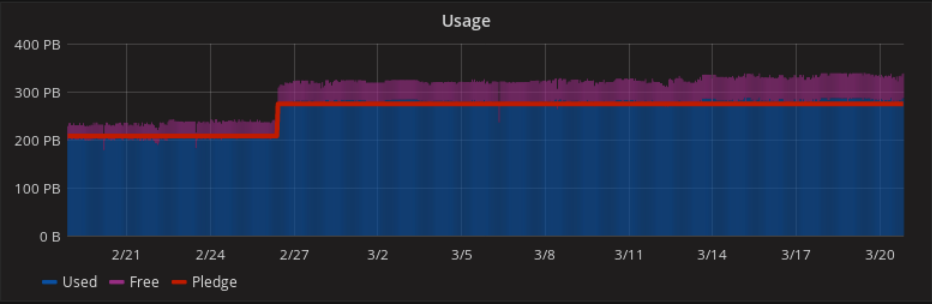
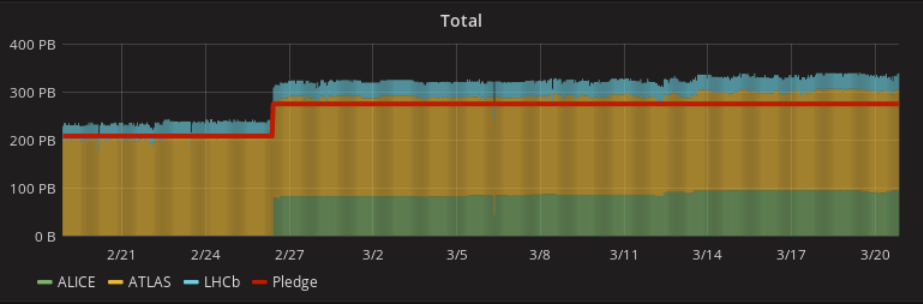
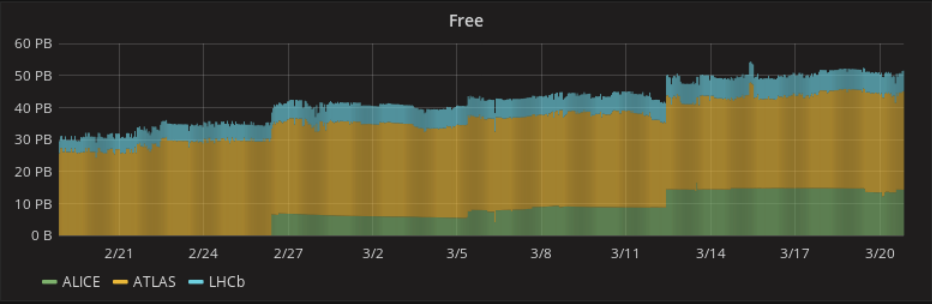
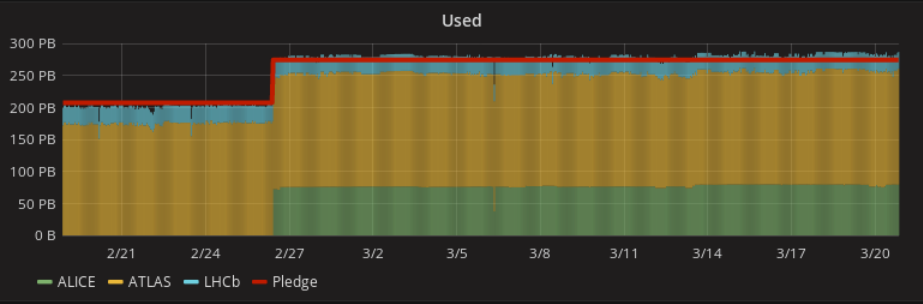
Tape Reporting:

<http://cern.ch/go/bTt6>



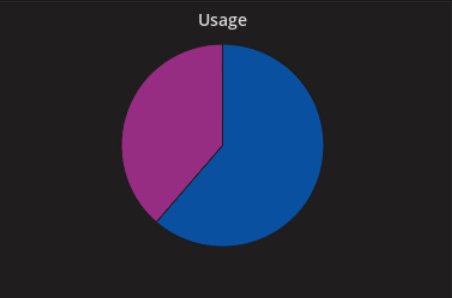
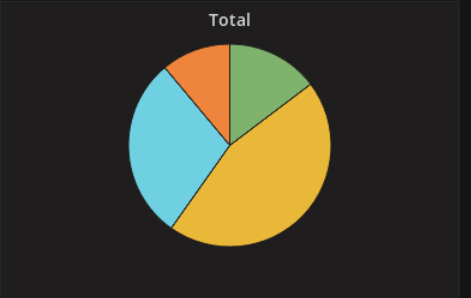
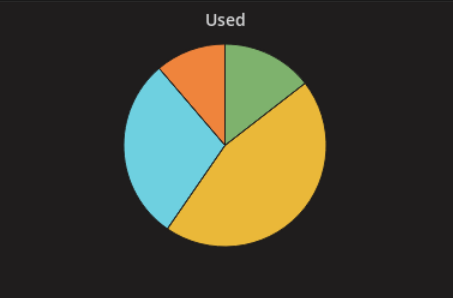
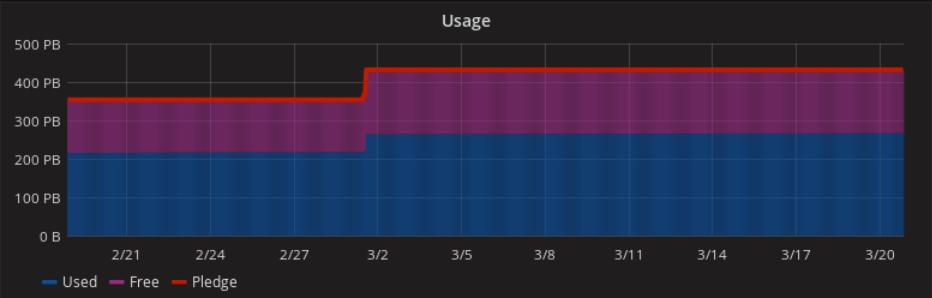
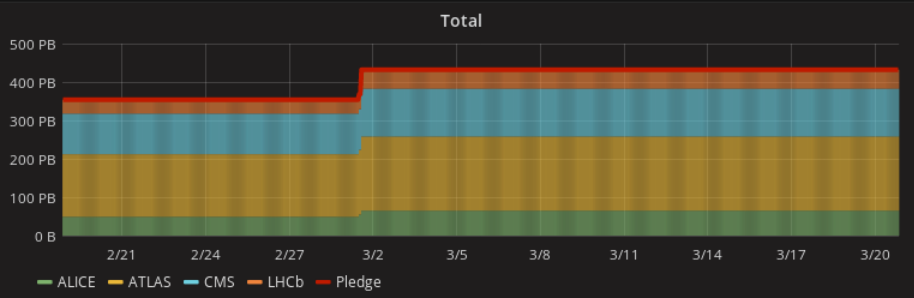
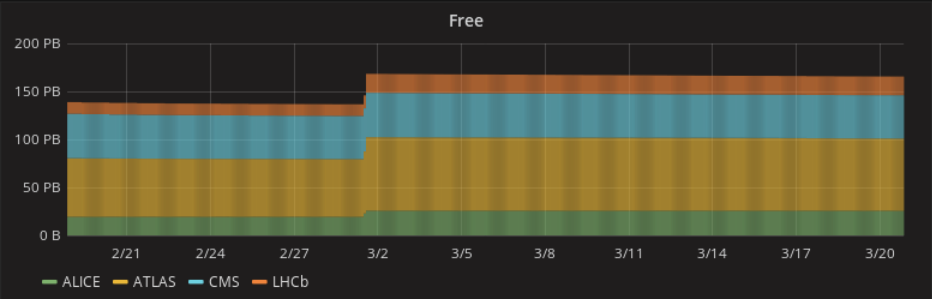
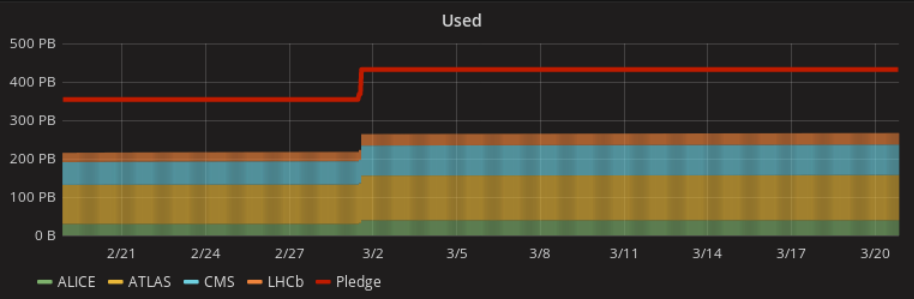
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Medium Disk Service All Area All



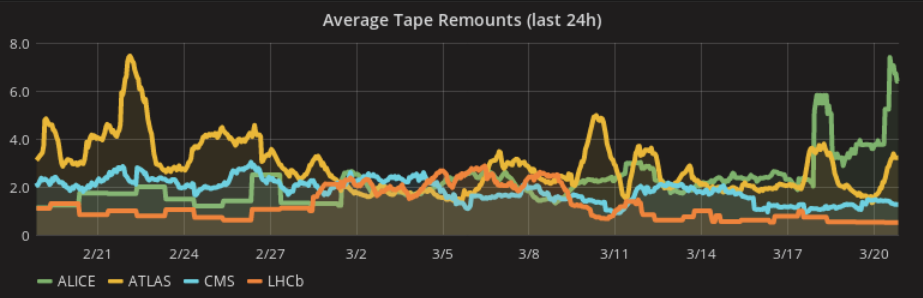
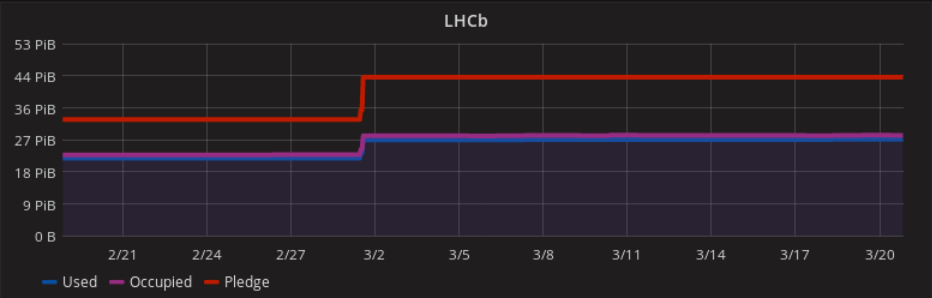
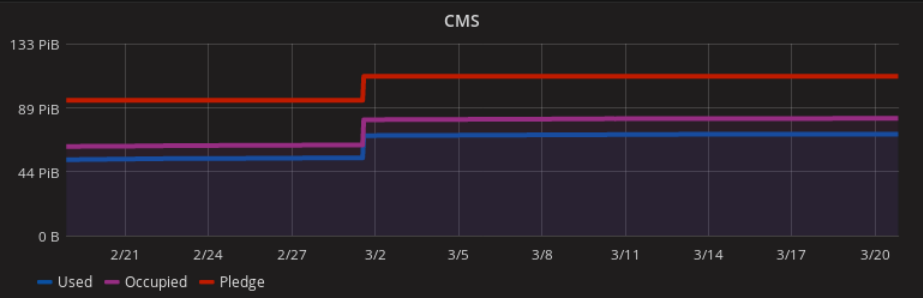
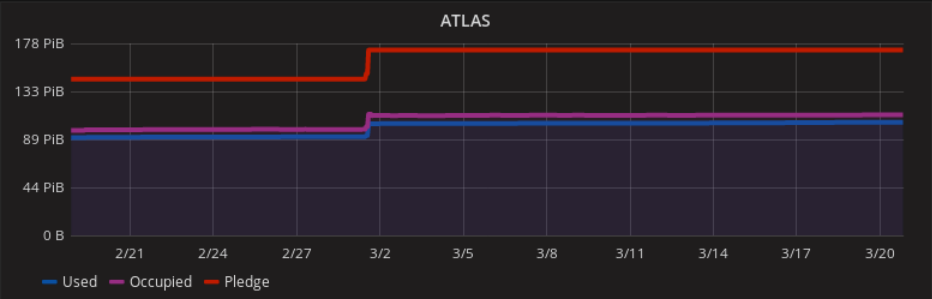
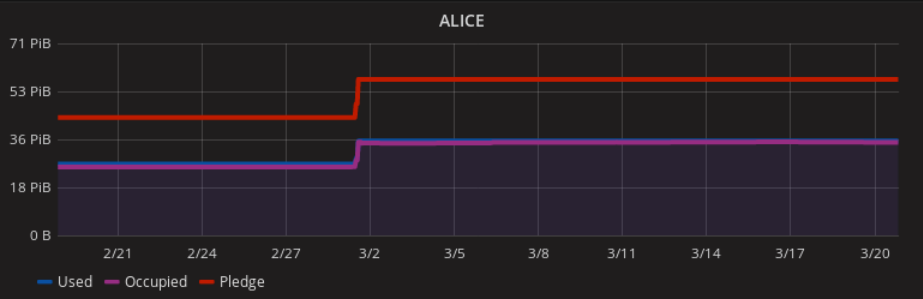


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Site All ▾



Future Work

- ❑ Add support for CMS
- ❑ Graduate from prototype to production

Questions?



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