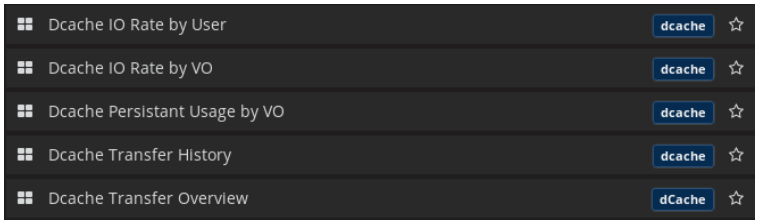
What's new in Fifemon

There are some new dCache dashboards in Fifemon.



Dcache Transfer Overview

The Dcache Transfer Overview dashboard gives a quick view of the current status of the Public dCache system. It also has drop downs to limit data to particular dCache logical pool groups. If transfers seem to be hanging, this page may point out a higher than normal queue. As with all Fifemon pages you can select a time range in the upper right of the page. Comparing the current queue sizes to the recent past will tell you if the system is unusually busy now.

The "Transfer rate test statistics" plots at the bottom of the page show the current transfer rates being achieved by a test transfer of a 4MB file to/from configured pnfs areas. It runs every 5 minutes and will wait in the queue if the system is busy so does not add to the load during peak times. When you see no recent updates to those plots you know that some dcache are has a queue and the test rate probe is waiting in the queue with everyone else.

Dcache Persistent Usage by VO

The top graph on this page shows the top 5 users with the most changed usage during the selected time period. This data is only updated once per day (because it creates a load on the system to generate) but should give a quick idea of who has been adding files recently. The other used space and percent used graphs are the totals for the whole selected persistent dCache area and are updated every 5 minutes. The pie charts at the bottom break out the usage by username and group name. Individual persistent dCache areas are setup per experiment (selected in the dropdown at the top of the page) but that doesn't prevent files in that area from being owned by various unix gids. The two "per gid" pie charts are showing usage by system group ids within that experiment persistent dCache.

Dcache IO rate by User and Dcache IO rate by V0

For both of these IO rate dashboards transfers are queried every 5 minutes and the rates for those individual "active" transfers are summed up. Transfers that take place within those 5 minute boundaries will not appear since this is showing the instantaneous rates being achieved in the system at those 5 minutes boundaries.

Dcache Transfer History

This dashboard shows a histogram of the volume of data transferred over the selected time period. This data is coming from the GRACC OSG accounting system. It has several options to drill down into the data including experiment, read vs write, and protocol used. The overall time period is again selected

in the upper right hand corner of the dashboard but there is an additional option to select the width of the historgram bins.