New Accounting Portal Status and Development Plans

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EGI-Engage

- A rewrite taking advantage of new web technologies, like AJAX, HTML5, CORS, JSON.
- New Interface and Look. The old portal served static, non-interactive pages.
- New URL structure. More human friendly and allowing easier linking.
- New Interactive graphs. Support for zooming, panning and data point query.
- Integrated VO/Site Manager in new Restricted view.

The New Accounting Portal (II)

- Capable of refreshing data without reloading the page.
- Dynamic capabilities on page elements (e.g. sortable tables).
- Hypertextual navigation between views. This can be very useful navigating on NGI/Tier 2 topologies, getting quick info from a Site or a VM...
- Breadcrumb capabilities and backtracking capabilities, you can easily jump backwards or forwards on your browsing history.
- Client based code with improved capabilities without bogging down the servers. This requires more processing from the client, but improves scalability.

The New Accounting Portal (III)

- Based on new Python + Django code.

- Many of the functionality has been moved to Javascript code supported by Bootstrap and Dojo. Bootstrap is the UI library from Twitter and Dojo supports the graphs and tables.

- In testing for the first release now.

- Available for the moment on accounting-devel-next.egi.cesga.es. Needs IRISGridCA certificate.

Development Status

- The first version to be put in production is currently on testing, we have already received some feedback, including from CERN people. We will incorporate this feedback in the portal

- Most basic views are implemented, but there is still a lot to do in the interface to put it on par with the old portal and make sure everything works correctly.

- Still have to expose multicore metrics, grouping variables Tier1 and Tier2, InterNGI / WLCG reports, custom VO selection, etc in the UI. These will be gradually incorporated.

- The model code has the same functionality, so no regressions are expected, even if the Look and feel are different, the underlying code is still based on years of refinement.
- The old instances will be kep running, so users should not lose functionality. Users will be able to use both versions at will. This will need improved synchronization to avoid having different numbers.

- Geographical graphs, showing information as geographical vector maps with areas colored depending on the metric. This should particullarly help NGI/InterNGI/Tier reporting.
- More custom reports, some based on the Geographical capabilities discussed above.
- Comparison between two selectable periods. Useful to identify trends developing on large periods.
- Trending indicators, showing increases and decreases on the data.

New Developments II

- Improved Storage (Space) Accounting. Storage accounting has special characteristics that separate it from CPU accounting.
- GPGPU (Accelerated) Accounting. We will develop this as soon as we have schema/data.
- Raw data in JSON/CSV/XML formats. Currently only JSON on new portal, CSV/XML on old.
- Arising developments.

Portal demo
We will know advice users on how get the numbers they need for reports from the portal, don't hesitate to ask anything.