SUIT Status and F19 Plan

Xiuqin Wu, T/CAM for SUIT

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Work Done

1. Redis was chosen, implemented, and deployed in lsst-lsp-int for alternate message passing to multi-cast
   - Lessens constraints on Kubernetes networking overlay choices
2. Basic TAP searches
   1. User can select/input a VO TAP service
   2. Browse through the schema and tables
   3. Search the table either by using the simple UI or typing in advanced ADQL
   4. Display the catalog in tri-view of table. Image, and scatter plot
   5. Display images properly if the table contains basic ObsCore image meta data
3. Authentication and authorization login and token passing
4. Jupyter extensions to support afw.display and for JL file-browser FITS image opening in use
   - Updated to work with JupyterLab API changes as it converges on its v1 release
5. For more details, see updated list
   https://confluence.lsstcorp.org/display/DM/Portal+priority+list

More Work to be Done

1. SSO
   - Need testing passing token to DAX APIs, will coordinate with DAX team
2. ObsTAP, SODA
   - Testing DAX ObsTAP for image metadata searches and full-image loading once available, specifically HSC data (DM-8721)
   - Modify Portal to access DAX SODA service to get image cutouts (priority C, may not get done)
3. Workspace access
   - UI to connect to user workspace through WebDAV service (based on existing IRSA WebDAV workspace)
   - Some code changes needed due to different WebDAV server version and configuration used in LSST and IRSA
4. Deployment
   - Will work with Gabriele/SQuaRE/NCSA to conform to developing standards for release/deployment
5. Bug fixes (ongoing)
   - Unresolved bug list: https://jira.lsstcorp.org/issues/?filter=17702
   - Critical bugs will be addressed first
   - The bugs in IRSA/NED epic are reported by and will be fixed by IRSA/NED unless they are critical to LSST.
6. Documents (DM-18572)
   - Behind schedule
   - Will concentrate on writing content

Workforce (June to September, 2019)

1. Xiuqin 15%
2. Gregory 70%
3. David Shupe 10%
4. Trey, Loi, Tatiana
   20% each