

# Butler Discussion 2015-12-02

## Date and Location

02 Dec 2015, 11am-12pm pacific.

[ls.st/sup](https://ls.st/sup)

## Attendees

- UW: [Russell Owen](#), [Simon Krughoff](#)
- Princeton/DRP: [Jim Bosch](#), [John Swinbank](#), [Paul Price](#)
- IPAC: [Unknown User \(jar\)](#), [Gregory Dubois-Felsmann](#), [Unknown User \(xiuqin\)](#), [Unknown User \(ciardi\)](#)
- SQUARE: [Frossie Economou](#)
- NCSA: [Greg Daues](#), [Steve Pietrowicz](#), [Margaret Gelman](#), [Unknown User \(mcarras2\)](#), [Hsin-Fang Chiang](#)
- Architecture: [Kian-Tat Lim](#), [Tim Jenness](#)
- SLAC: [Unknown User \(npease\)](#), [Brian Van Klaveren](#), [Fritz Mueller](#), [Andy Salnikov](#), [Vaikunth Thukral](#), [Unknown User \(kelsey\)](#), [Jacek Becla](#)






## Goals




- To start getting on the same page with regards to butler, with focus on what butler really is, what it does, what its roles are, what APIs it has, and most importantly what it will and will not do in the future.

## Discussion items

It'd be great if each team could cover features you think you "must have" in butler that are not available today, and features that would be nice-to-have but are not critical.

Time	Item	Who	Notes
5min	Intro	K-T or NateP or Jacek	

10min	UW		<ul style="list-style-type: none"> <li>Easily specify new outputs from tasks (no need to edit obs_ packages) <ul style="list-style-type: none"> <li><a href="#">Unknown User (npease)</a>:</li> </ul> <div>  DM-4180 - Jira project doesn't exist or you don't have permission to view it. </div> </li> <li>butler.get should fail immediately if the data is not available</li> <li>Easily iterate over partial IDs for all dataset types <ul style="list-style-type: none"> <li><a href="#">Unknown User (npease)</a>:</li> </ul> <div>  DM-4532 - Jira project doesn't exist or you don't have permission to view it. </div> </li> <li>Simplify the way IDs are normalized (?), and document the system better; also preferably make it easier to know when you have an ID that has been normalized or not. <ul style="list-style-type: none"> <li><a href="#">Unknown User (npease)</a>:</li> </ul> <div>  DM-4539 - Jira project doesn't exist or you don't have permission to view it. </div> </li> <li>Handling of bitemporal calibration products including camera descriptions. N.b. calibration products can be lots of different things: objects, images, telemetry data, sky model, etc. <ul style="list-style-type: none"> <li><a href="#">Unknown User (npease)</a>:</li> </ul> <div>  DM-4168 - Jira project doesn't exist or you don't have permission to view it. </div> </li> <li><del>Butlerized access to logs, configs, stack version, etc.</del> <ul style="list-style-type: none"> <li><a href="#">Unknown User (npease)</a>: Need more info. <a href="#">I created a topic thread on CLO</a>. Won't do this. It's going to be done another way, see the topic thread.</li> </ul> </li> </ul>
10min	Princeton		<a href="#">DRP Butler Requirements / Feature Requests</a>
10min	IPAC		<a href="#">SUI / Level 3 and SuperTask feedback on the Butler</a>
10min	SQUARE		<ul style="list-style-type: none"> <li>isolate in-memory from IO, architecture for plugging other protocols (like S3) <ul style="list-style-type: none"> <li><a href="#">Unknown User (npease)</a>:</li> </ul> <div>  DM-4555 - Jira project doesn't exist or you don't have permission to view it. </div> </li> </ul>
10min	NCSA		

	Architecture		<p><b>Tim Jenness</b> : I feel strongly that we should have two persistable file format options designed in to the butler (FITS and HDF5 say) so that we can be sure we have a flexible design that is not wedded to a single file format.</p> <p><b>Unknown User (npease)</b>:</p> <div><div><div> DM-4543 - Jira project doesn't exist or you don't have permission to view it.</div><div> DM-4542 - Jira project doesn't exist or you don't have permission to view it.</div><div> DM-4541 - Jira project doesn't exist or you don't have permission to view it.</div></div><p>(not butler work, has an AFW component tag)</p></div>
	Discussion		<ul style="list-style-type: none"><li>Carry technical discussions via community</li><li>Next meeting: Tuesday Dec 8, 12:30pm, via bluejeans. Focus: (a) check if created stories adequately cover all requests, (b) finalize prioritization</li></ul>

DRP Butler Requirements / Feature Requests

SUI / Level 3 and SuperTask feedback on the Butler

Random notes

Butler (not-done) stories:

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
No issues found										

Action items

- ☒ Unknown User (npease), turn the requirements discussed / input received into JIRA stories
- ☒ Identify core architectural issues
  - ☐ Design core architectural issues
  - ☐ Write a comprehensible high level design document
  - ☐ Create interface definition (*we will defer remote butler & URL interface definition*)
    - ☐ Application Interface
    - ☐ Configuration Interface
    - ☐ Back-end interface. Include what can be plugged in, and where.
      - ☐ transport
      - ☐ serialization
      - ☐ storage
- ☒ Unknown User (npease) and Kian-Tat Lim - propose prioritization of all butler stories
- ☐ Work on top-priority item for each group:



Princeton:



DM-4181 - Jira project doesn't exist or you don't have permission to view it.

(epic S16) ([Serge Monkewitz](#))

is working on kind-of-related



DM-3472 - Jira project doesn't exist or you don't have permission to view it.

)



SUI: Multiple repositories: finish defining, create story, work on partial implementation TBD.



DM-4625 - Jira project doesn't exist or you don't have permission to view it.



Implement



DM-4682 - Jira project doesn't exist or you don't have permission to view it.

(epic W16) (might

get broken into 2 stories and delivered over 2 sprints)



UW:



DM-4168 - Jira project doesn't exist or you don't have permission to view it.

(epic Butler W16), also "if time":



DM-4180 - Jira project doesn't exist or you don't have permission to view it.

(epic S16)



Tuscon: define interface for



DM-4555 - Jira project doesn't exist or you don't have permission to view it.

(epic S16,

assigned to BVK)



NCSA: (nothing at this time)