

Core System v3.1.0

Release Description Document (RDD) Review

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April 21, 2011

**Feedbacks
Failure Reports**



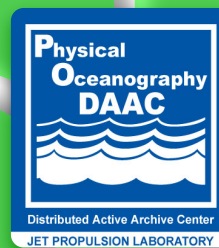
Deployment

Design

**Requirements
Design Review**



**Test Documentations
Failure Reports
Operation Readiness Review**



Validation

Planning

Development

**Schedule
Approved**

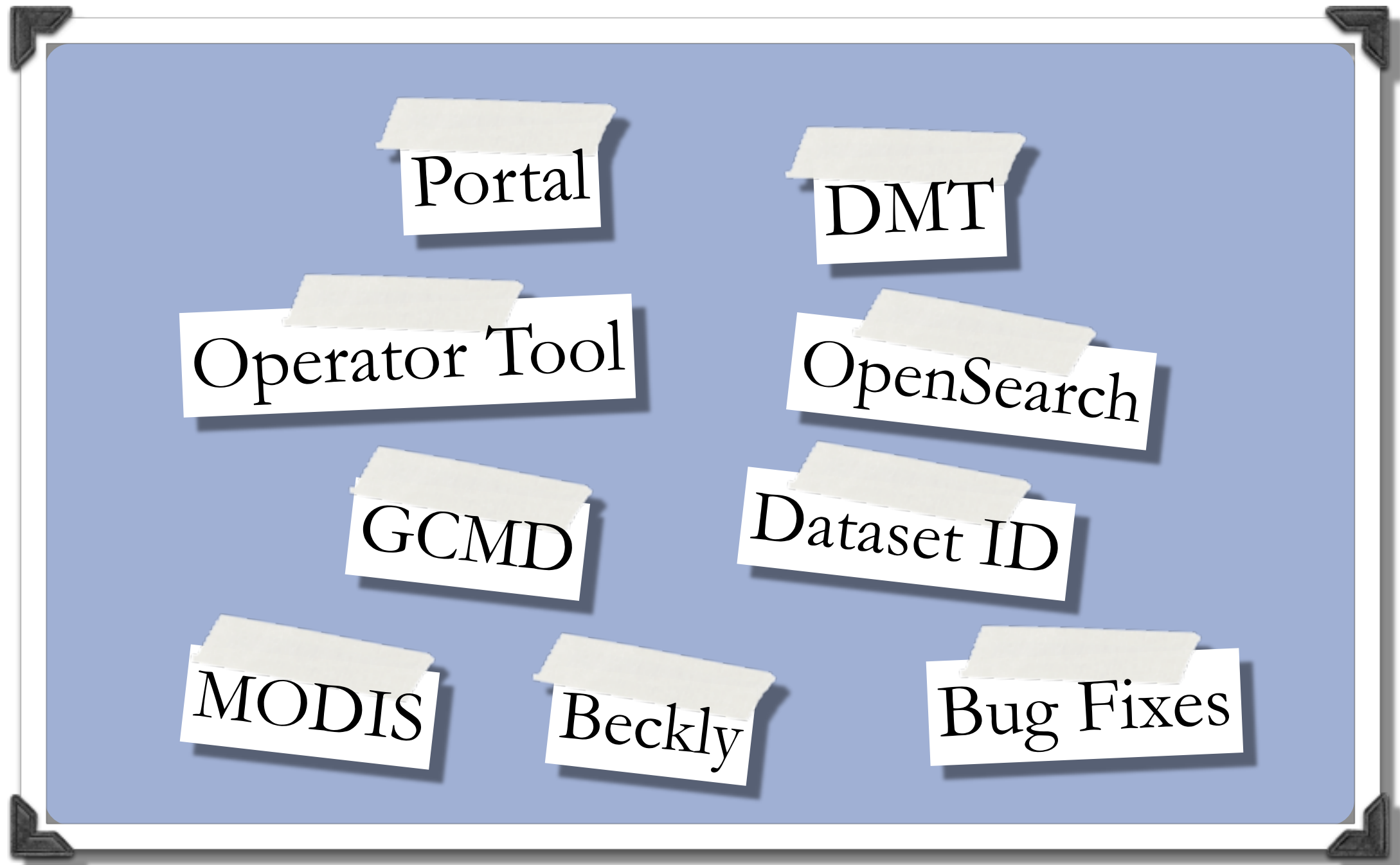


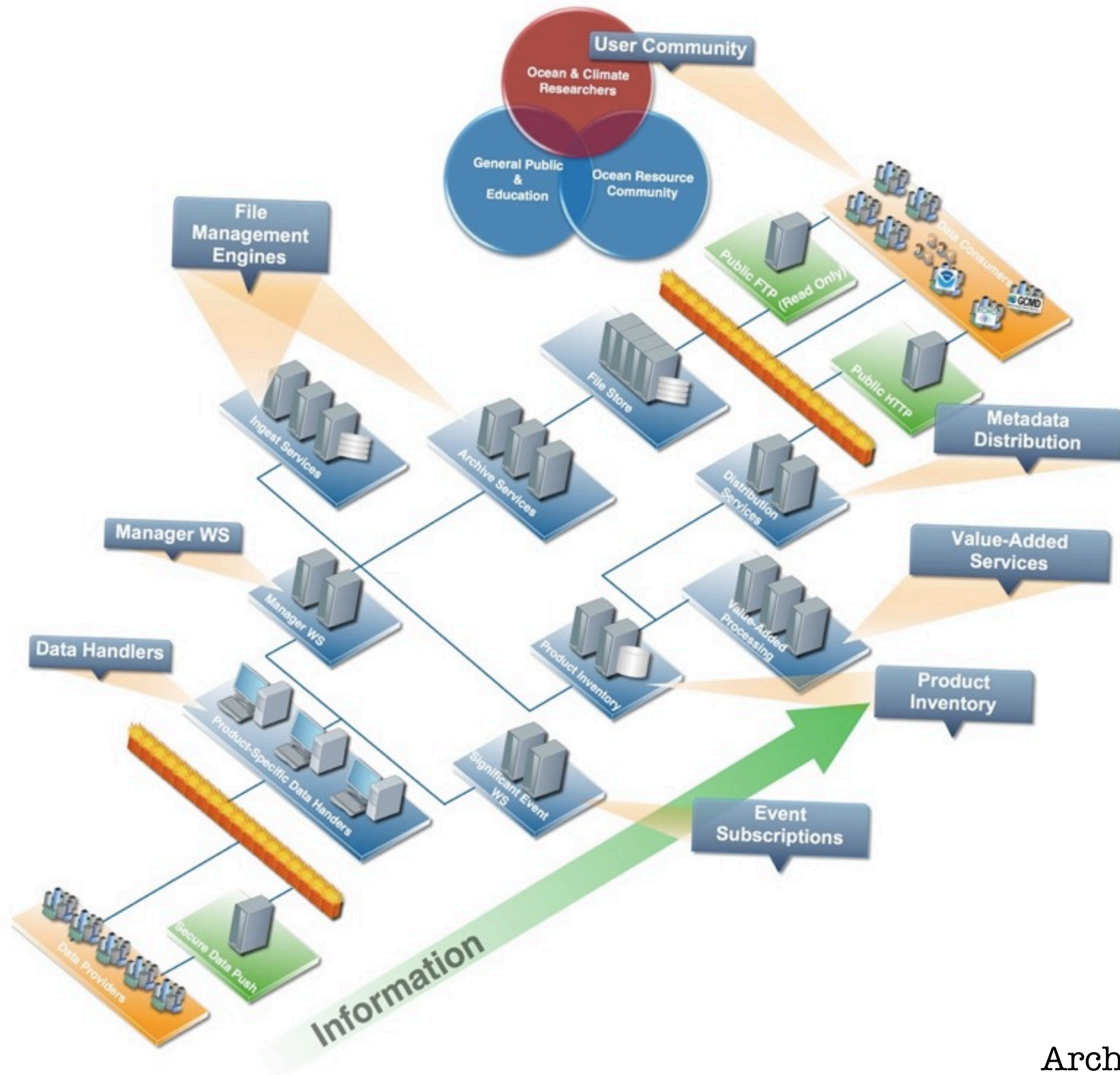
**Release Description Review
Documentations**



Process

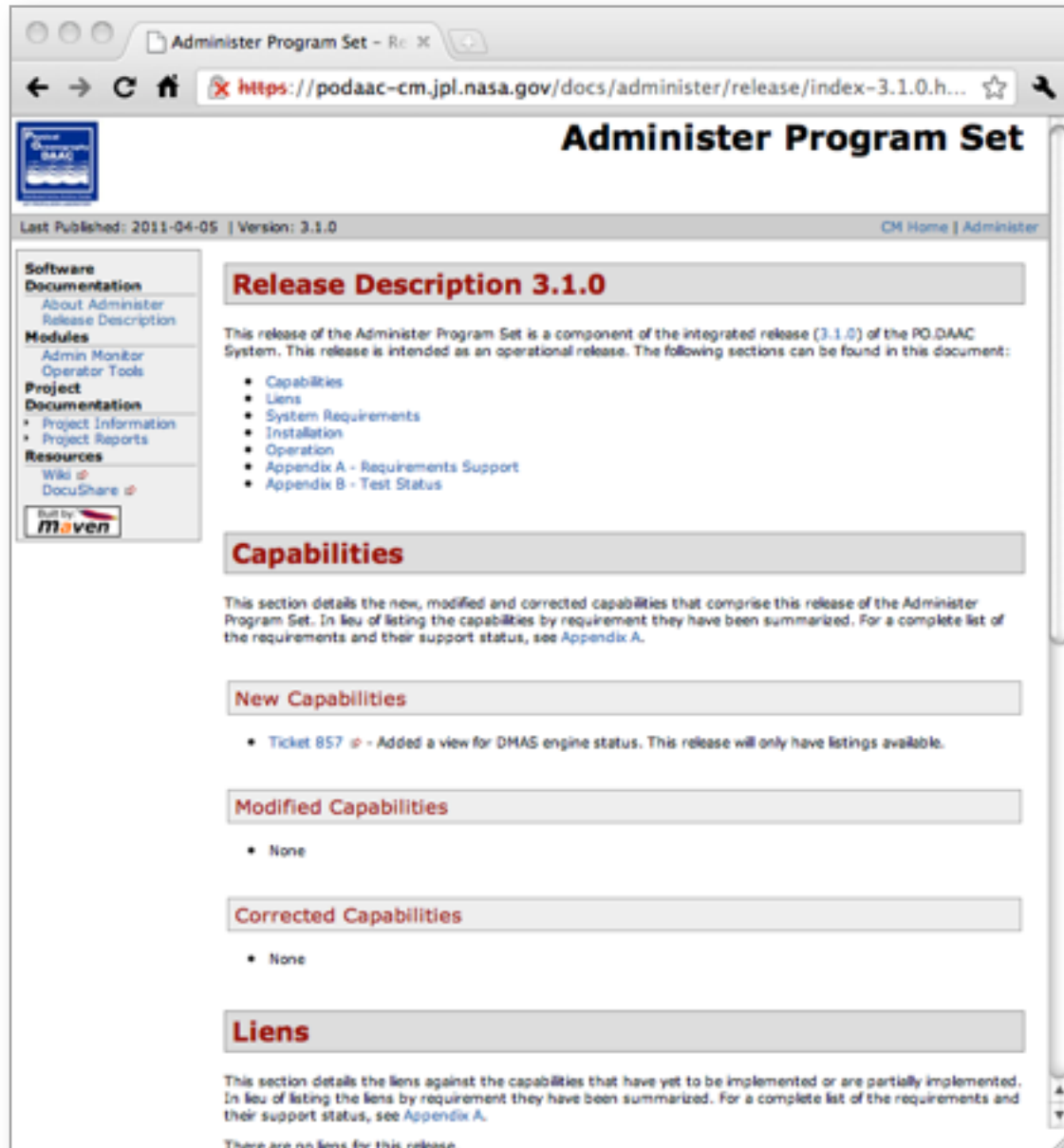
What



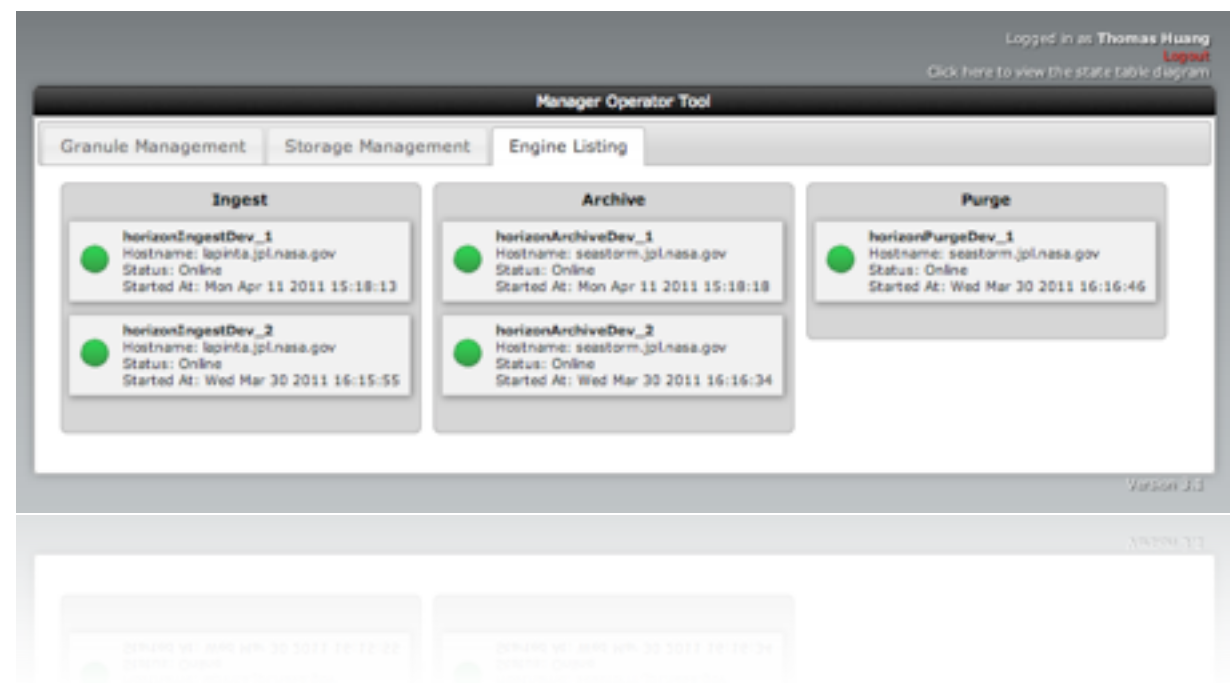


Architecture

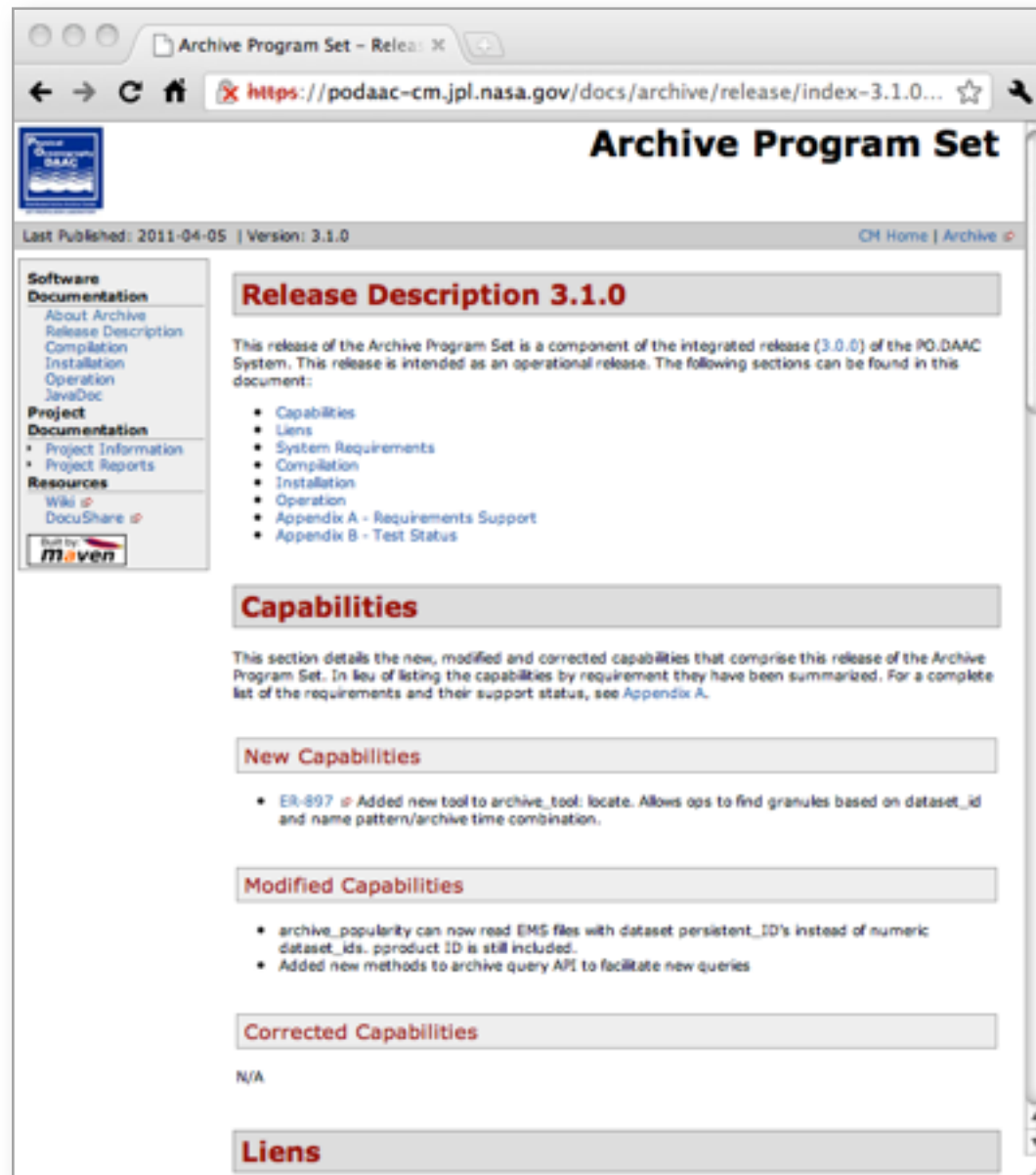
Program Set: Administer



- **New Capabilities**
 - Trac 857 - Add “ING_ENGINE” view to the operator/admin tool
- **Modified Capabilities**
 - none
- **Corrected Capabilities**
 - none

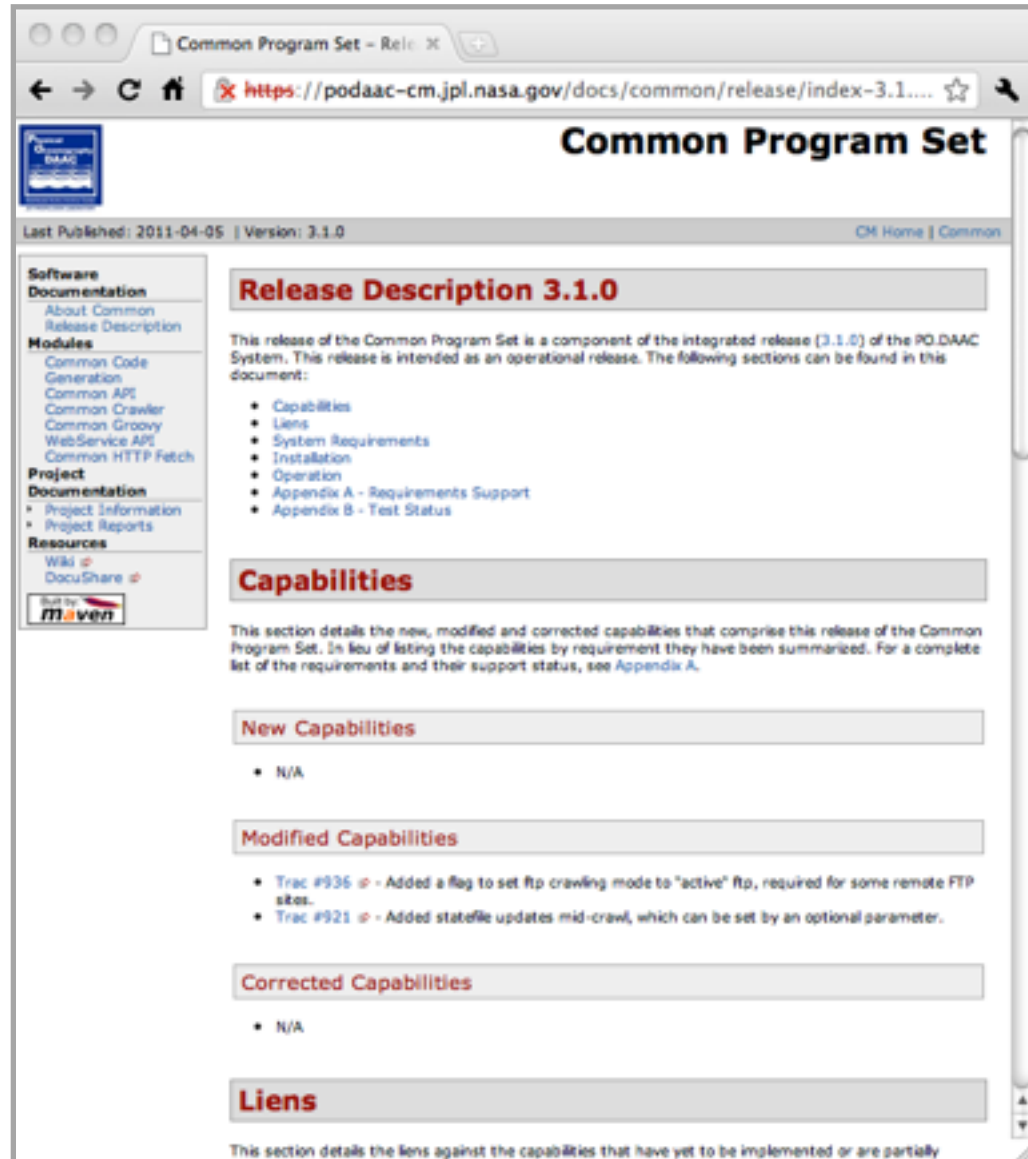


Program Set: Archive



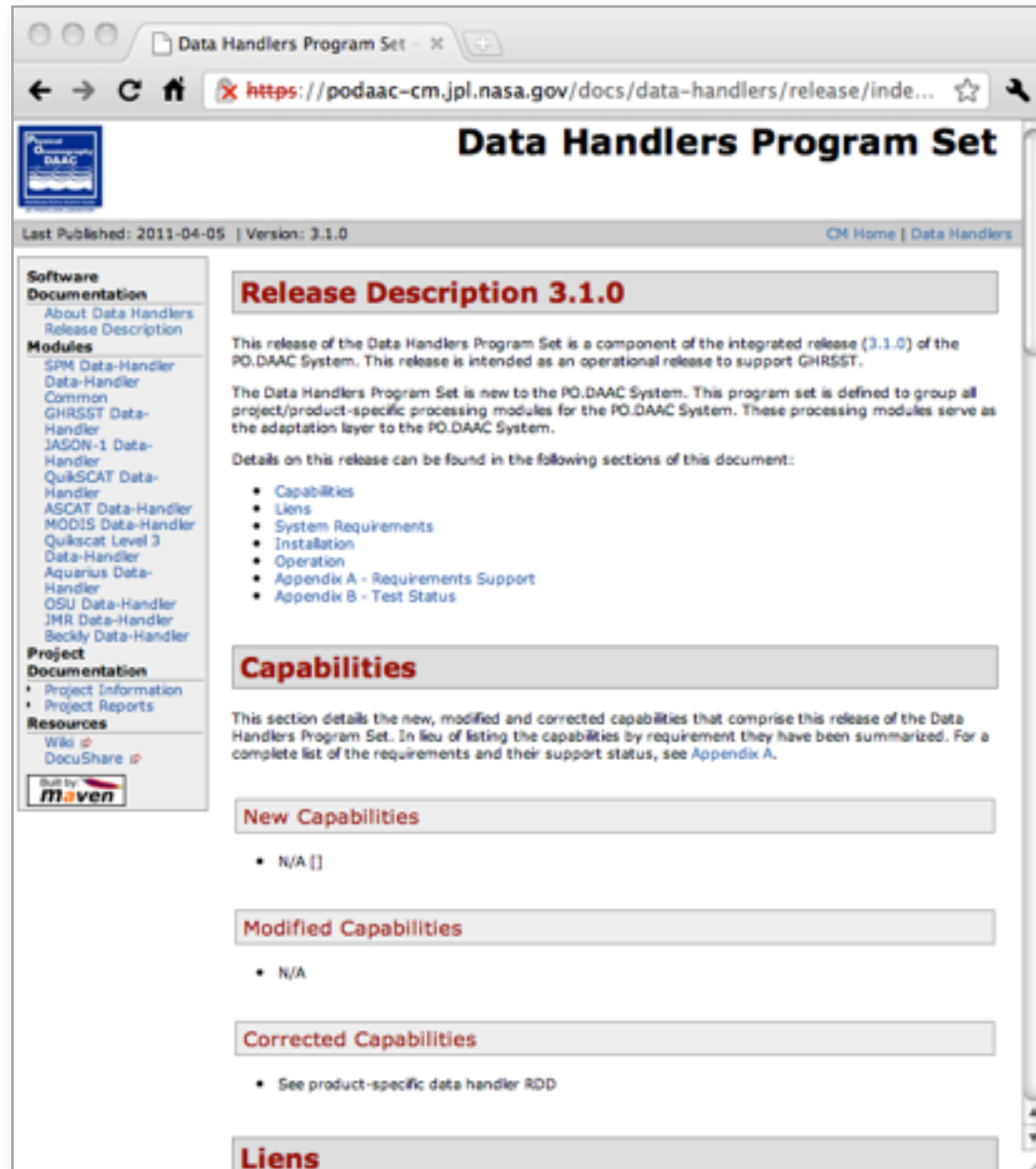
- **New Capabilities**
 - Trac [897](#) - Tool for operator to locate granule ID(s)
- **Modified Capabilities**
 - archive_popularity can now read EMS files with dataset persistent_ID's instead of numeric dataset_ids. Still support old product IDs
 - added new methods to archive query API to facilitate new queries
- **Correct Capabilities**
 - none

Program Set: Common



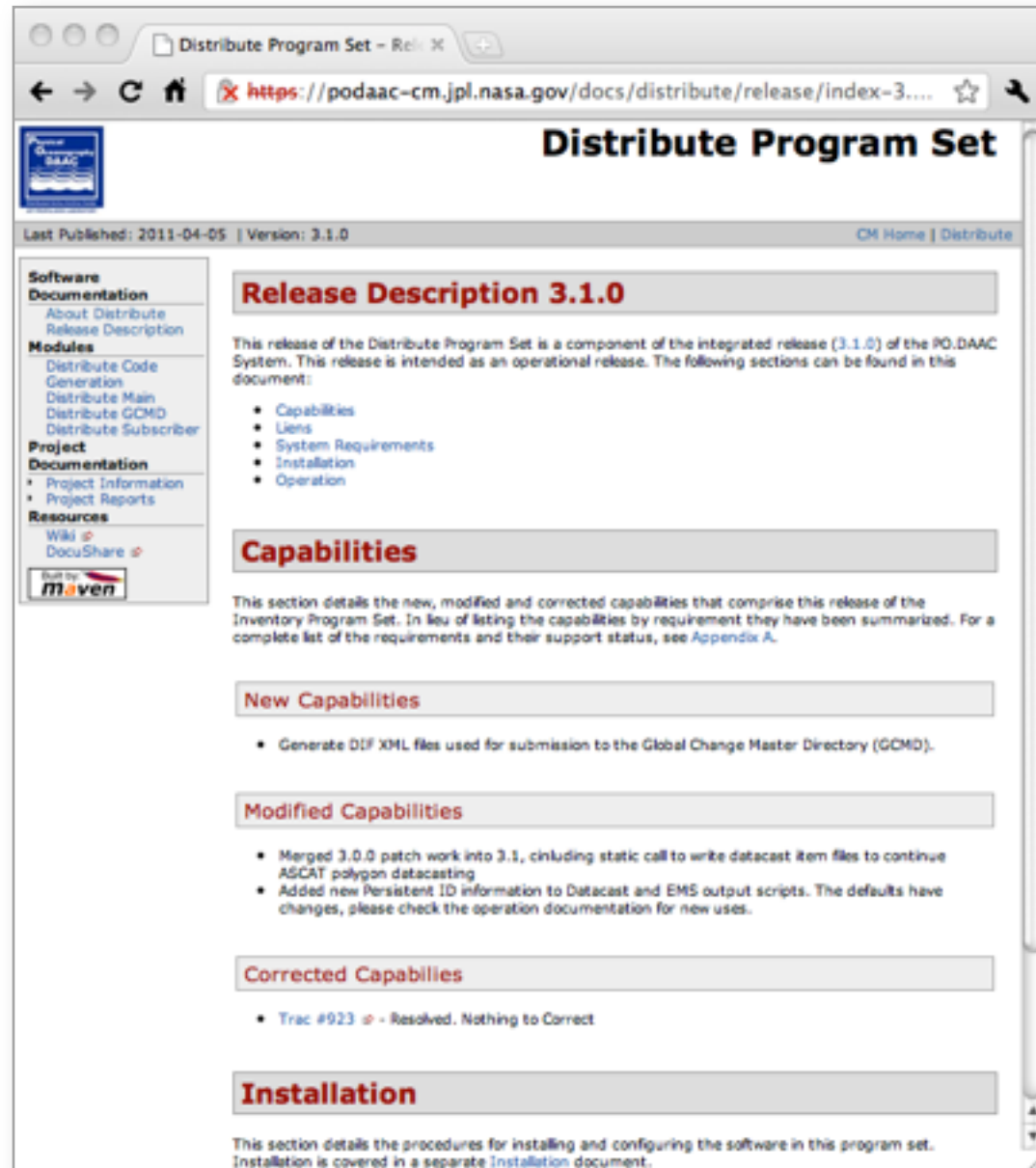
- **New Capabilities**
 - none
- **Modified Capabilities**
 - Trac 921 - Generic Crawler issues with GSFC FTP site
 - Trac 936 - Generic Crawler active mode option
- **Corrected Capabilities**
 - none

Program Set: Data Handlers



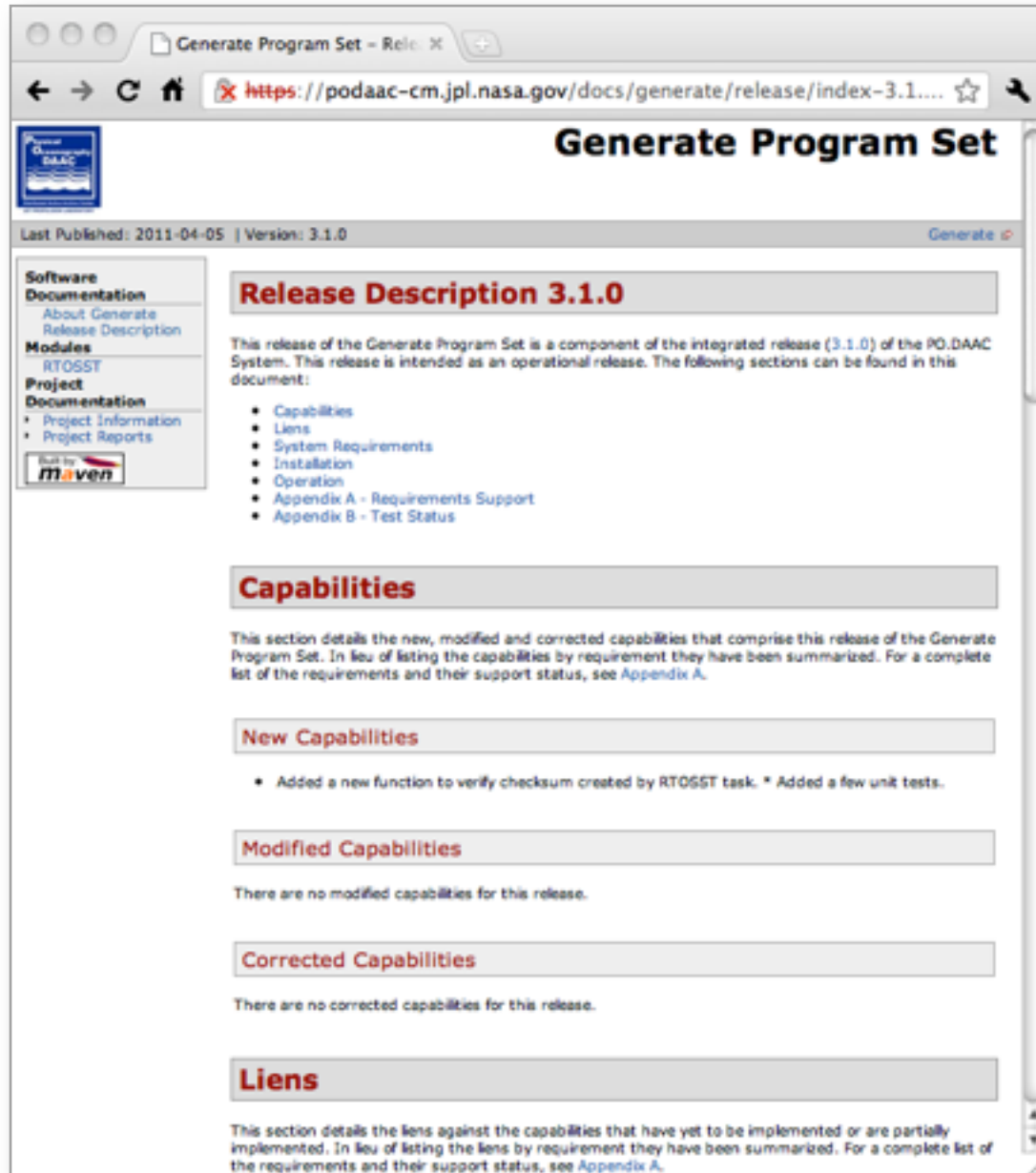
- **New Capabilities**
 - GHRSSST
 - Added Python crawler to crawl NOAA site and Perl script to correct granule metadata.
 - New Beckly data handler
 - New MODIS data handler
- **Modified Capabilities**
 - none
- **Correct Capabilities**
 - none

Program Set: Distribute



- **New Capabilities**
 - Generate DIF XML files for Global Change Master Directory (GCMD)
- **Modified Capabilities**
 - Merged 3.0.0 patch work into 3.1.0, including static call to write datacast item files to continue ASCAT polygon datacasting
 - Added new Persistent ID information to Datacast and EMS output scripts. The defaults have changes, please check the operation documentation.
- **Corrected Capabilities**
 - Trac 923 - echoExport -fb option

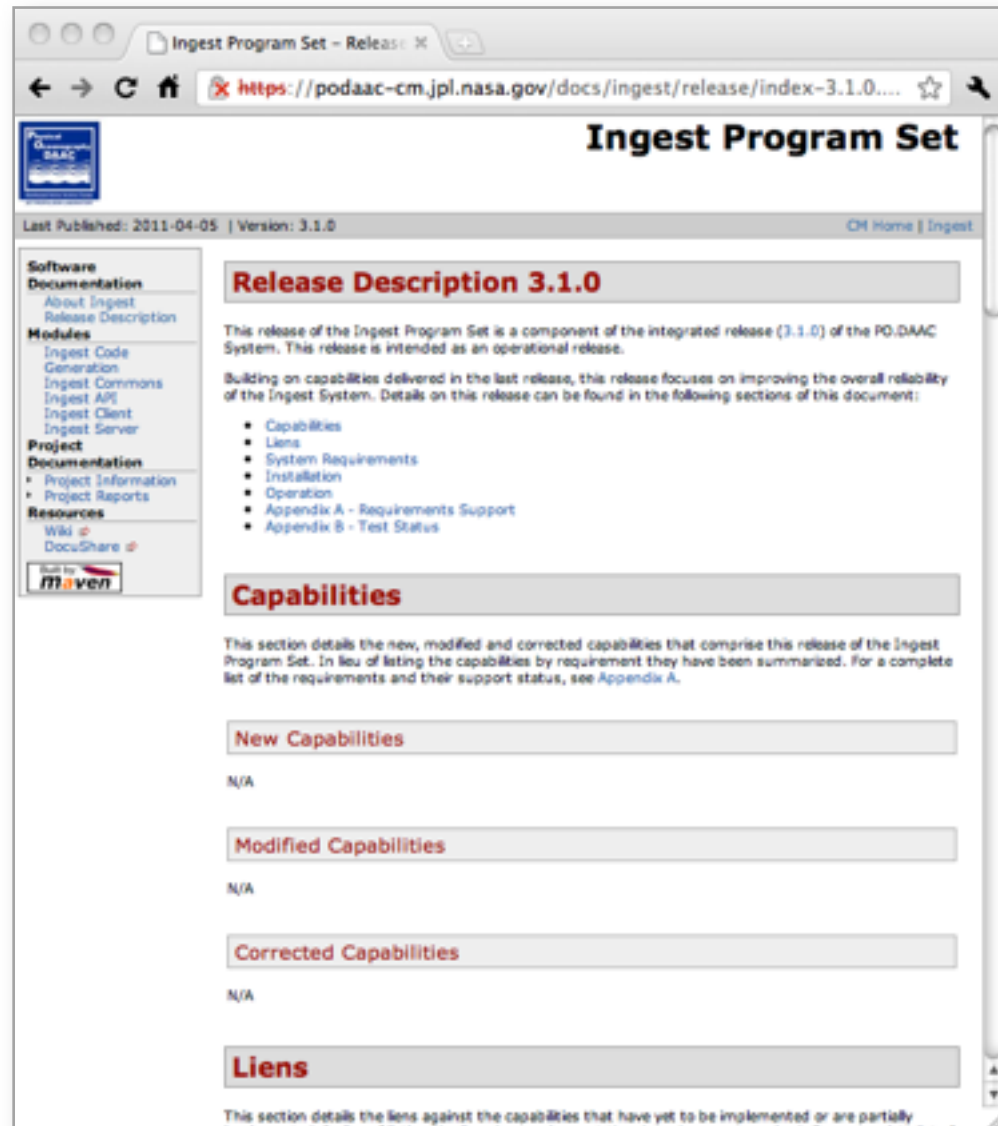
Program Set: Generate



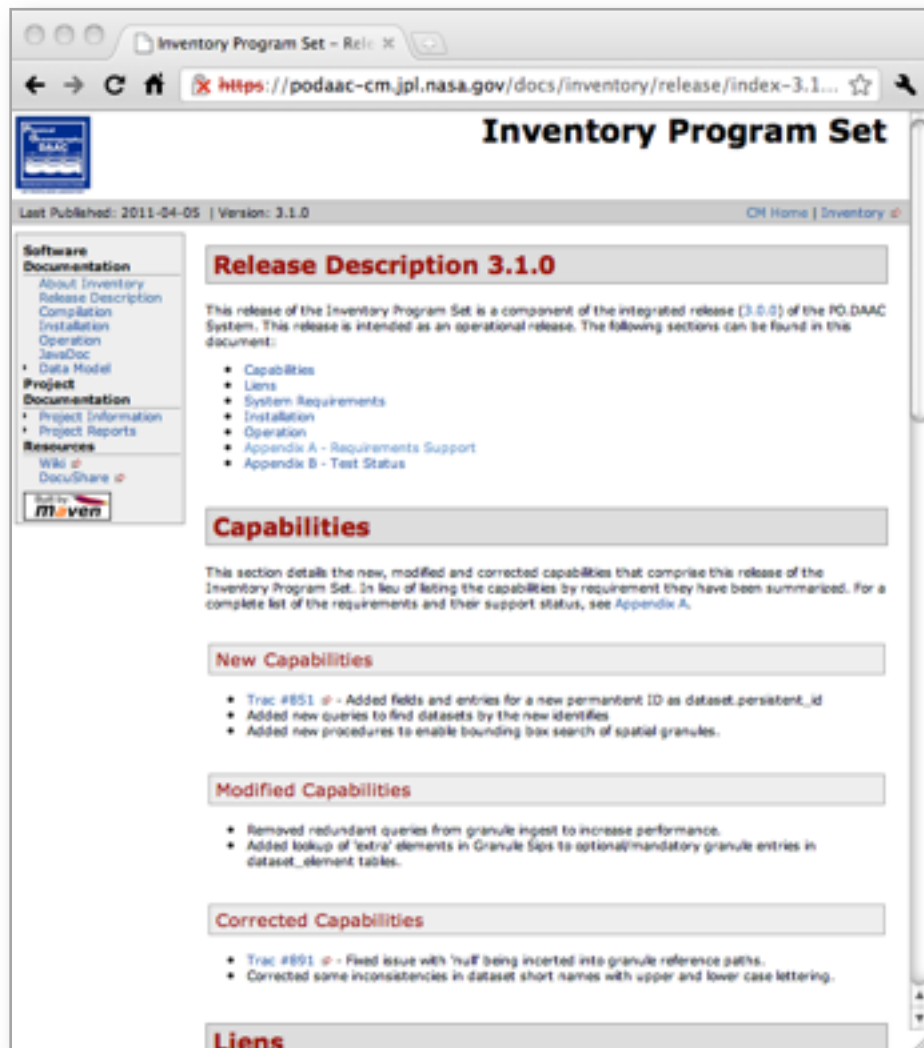
- **New Capabilities**
 - Added a new function to verify checksum created by RTOSST task.
 - Added a few unit tests.
- **Modified Capabilities**
 - none
- **Corrected Capabilities**
 - none

Program Set: Ingest

- No Change



Program Set: Inventory

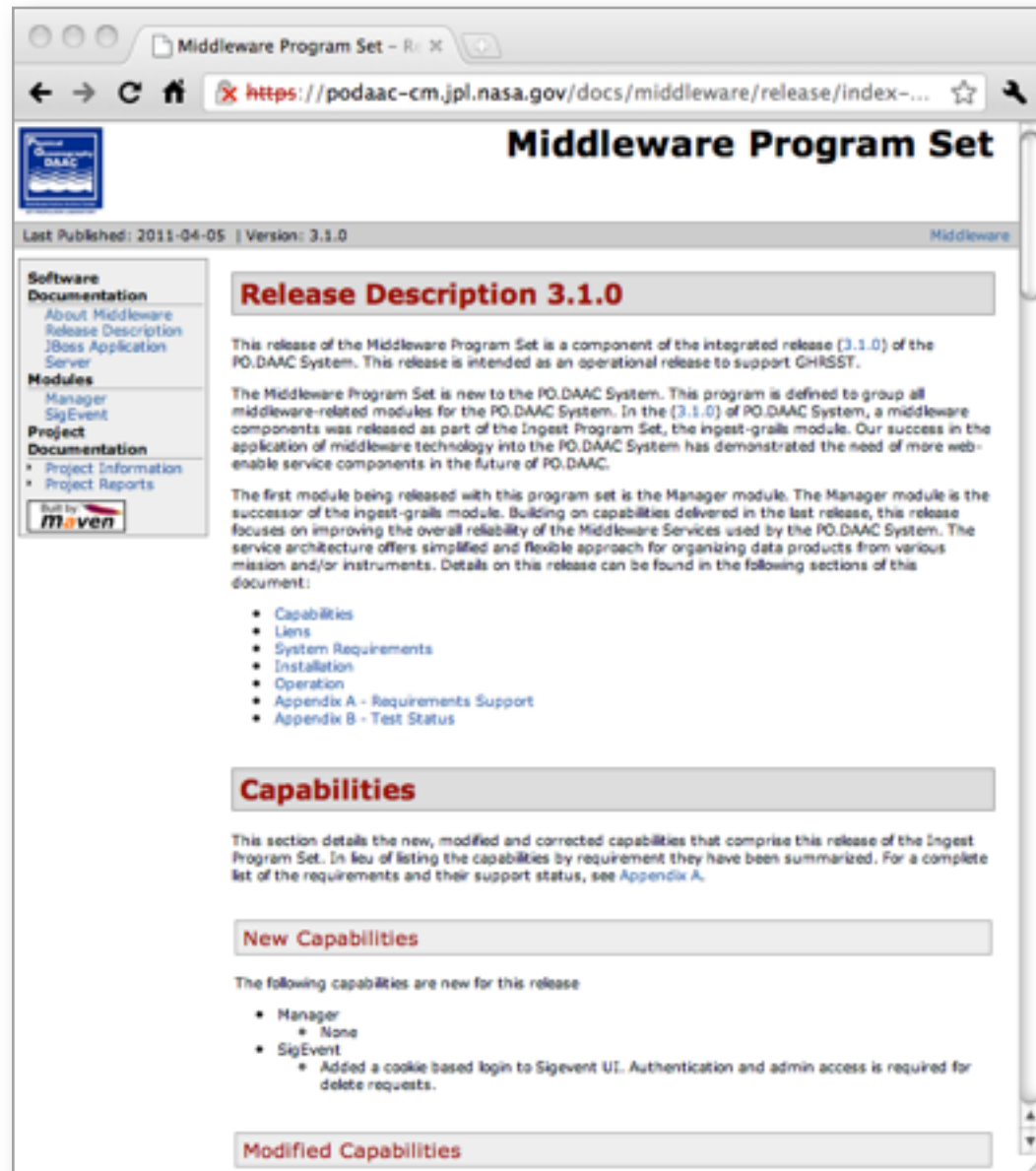


- **New Capabilities**
 - Trac 851 - Add new Dataset ID to metadata and applications
 - Added new queries to find datasets by the new dataset ID.
 - Added new procedures to enable bounding box search of spatial granules.
- **Modified Capabilities**
 - Removed redundant queries for granule ingest to increase performance.
 - Added lookup of 'extra' elements in Granule SIPs to optional/mandatory granule entries in dataset_element tables.
- **Corrected Capabilities**
 - Trac 891 - granule_reference.path has "null" incorrectly embedded
 - Corrected some inconsistencies in dataset short names with upper and lower case lettering.

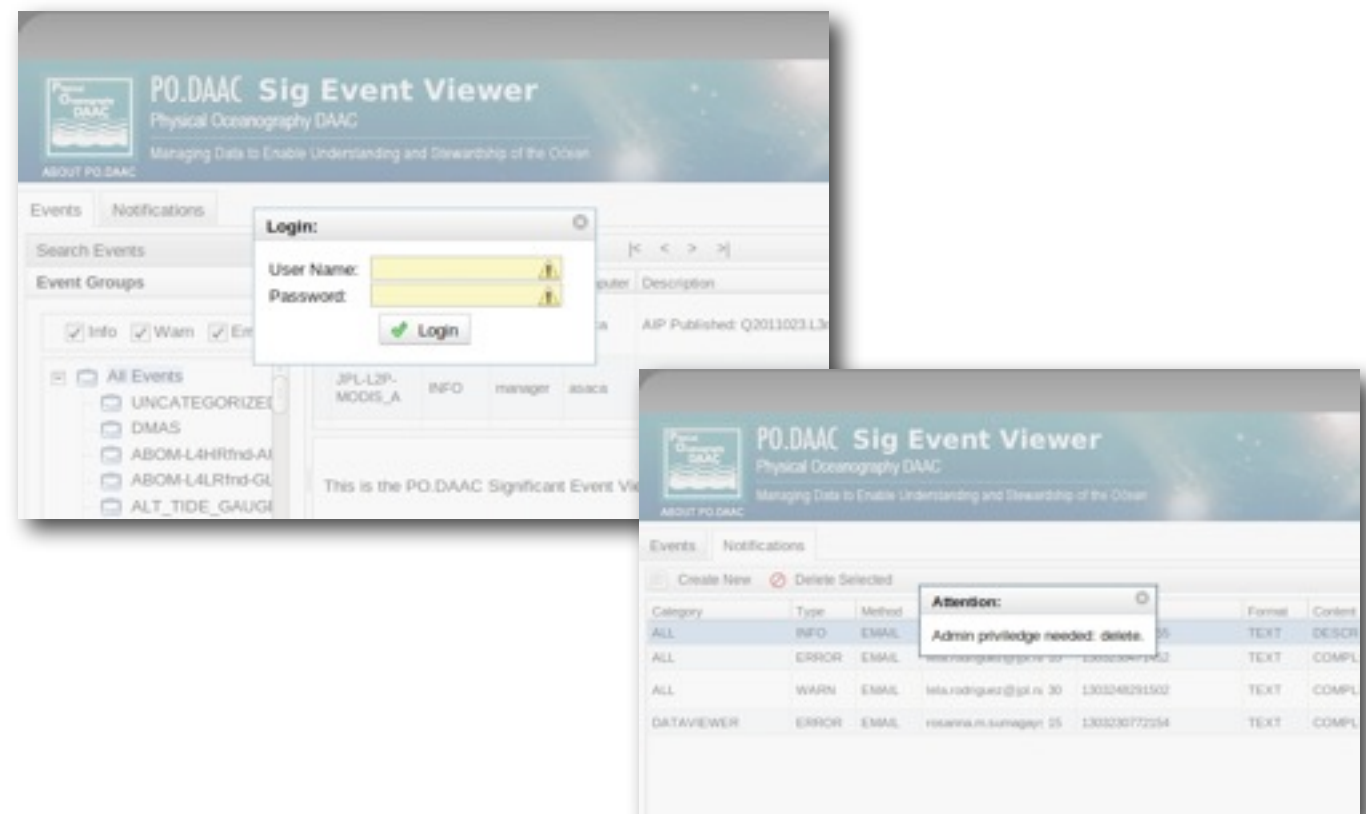
Data Dictionary 3.1.0

https://bravo-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-1320469/podaac_dictionary-3.1.0.xlsx

Program Set: Middleware

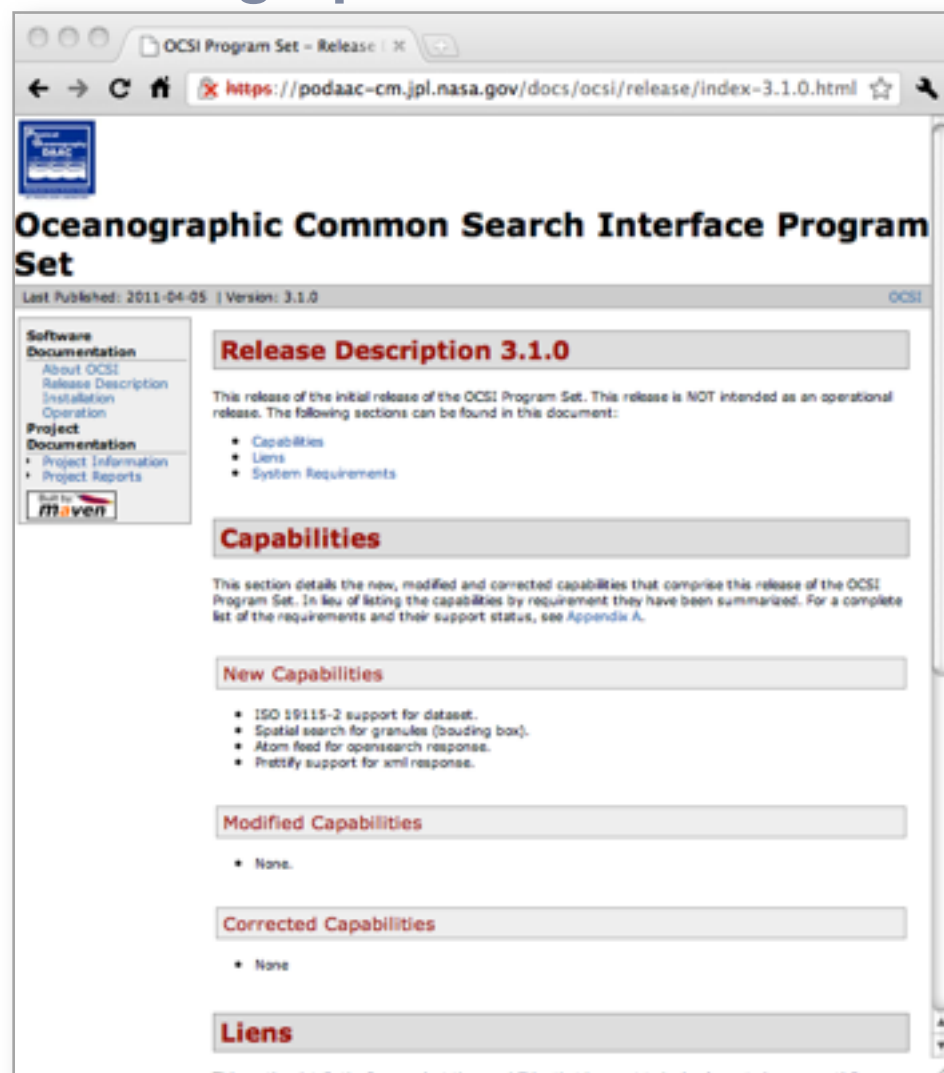


- **New Capabilities**
 - SigEvent
 - Added cookie-based login to SigEvent UI. Authentication and admin access is required for delete operations.
- **Modified Capabilities**
 - SigEvent
 - Trac [360](#) - SIG_EVENT_VIEWER: version & sizing
- **Corrected Capabilities**
 - SigEvent
 - Trac [372](#) - Sig Event: reverse order of events so most recent is listed first

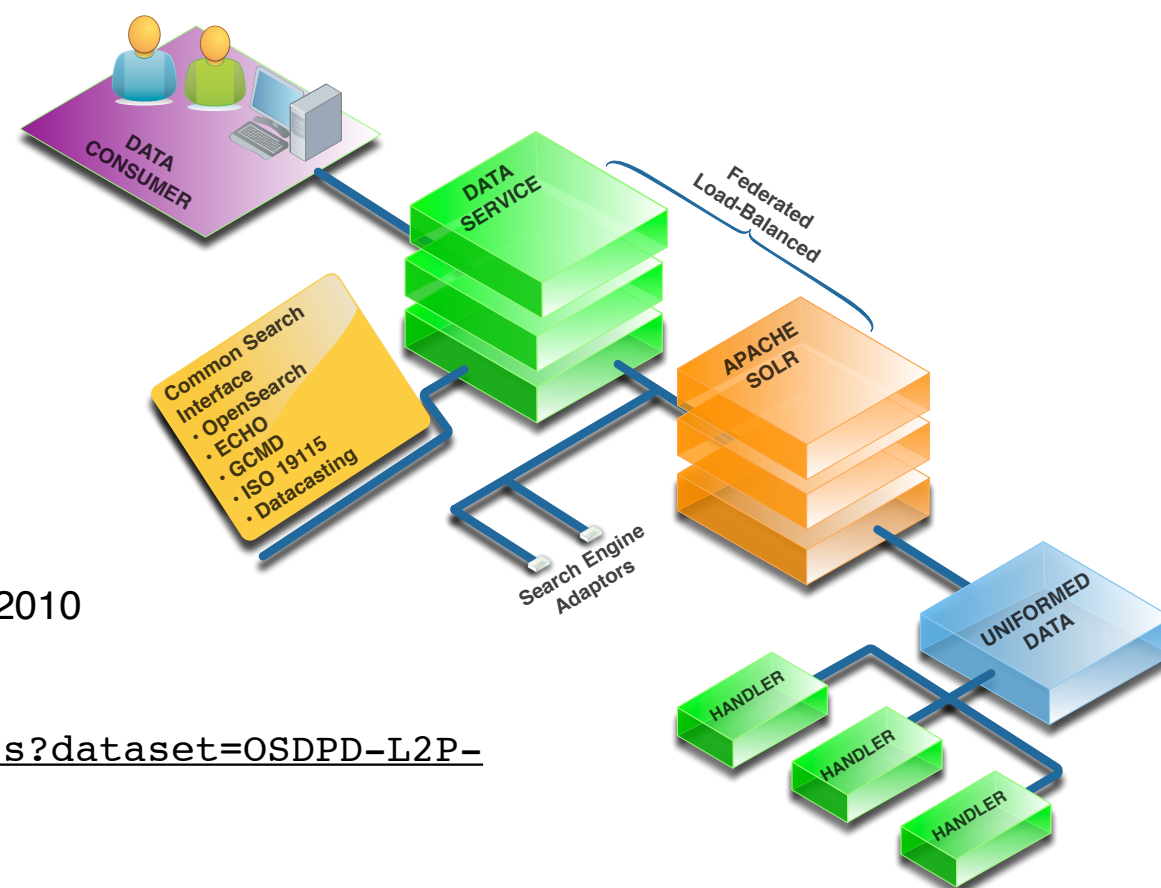


Program Set: OCSI

Oceanographic Common Search Interface



- **New Capabilities**
 - Spatial search for granules (bounding box)
 - Atom feed for OpenSearch response
 - Prettify XML response (optional)
 - Alpha implementation of GHRSSST GDS 2.0 response
- **Require Plugins**
 - Jinja2 2.5.5 (Template engine for Python)
 - cx_Oracle 5.1 (Python DB API for Python)

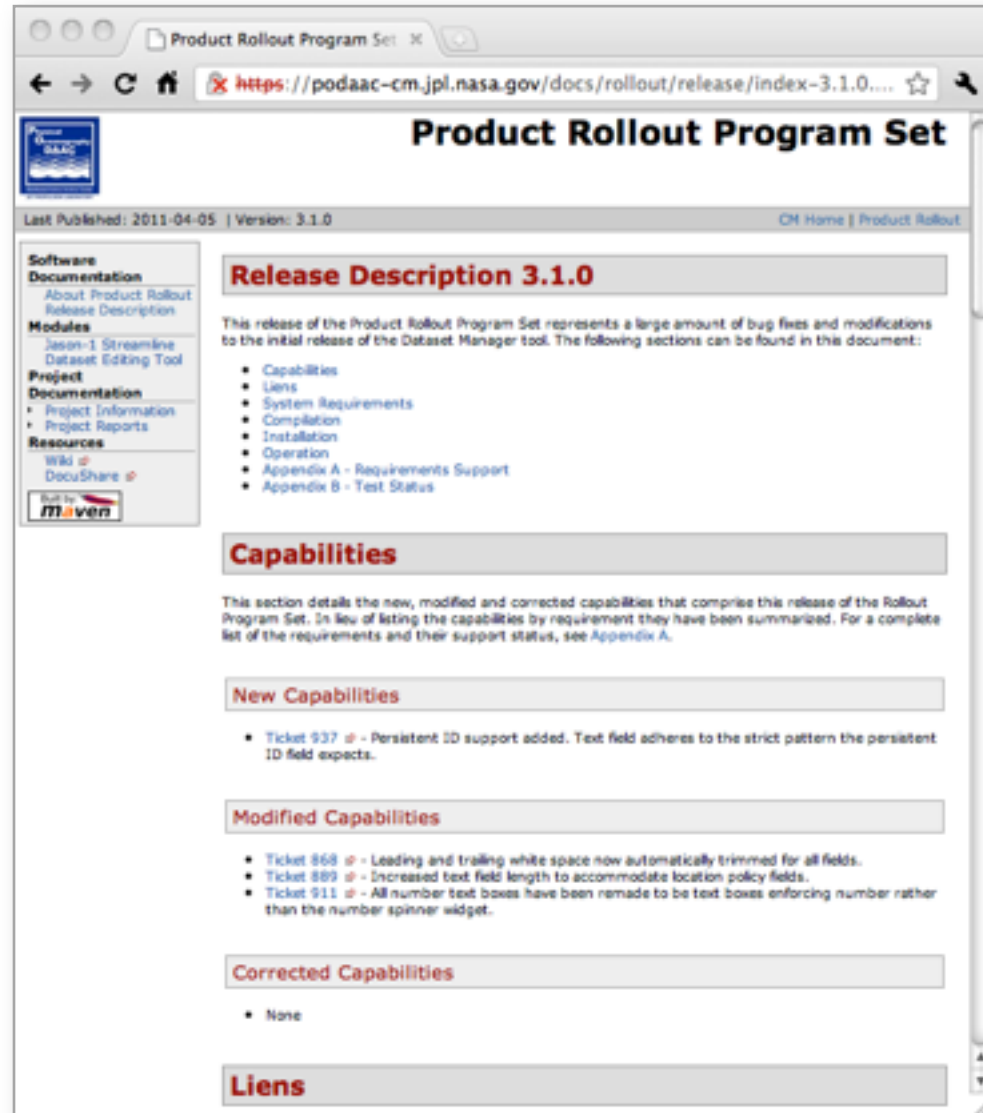


To search granules in dataset "OSDPD-L2P-MSG02" from start time of Dec 1 00:00:00 UTC 2010 to stop time of Dec 2 23:59:59 UTC 2010

```
% curl -X GET \
"http://seastorm.jpl.nasa.gov:8890/granule/opensearch.rss?dataset=OSDPD-L2P-MSG02&start=1291161600000&stop=1291334399000"
```

```
% curl -X GET \
"http://seastorm.jpl.nasa.gov:8890/granule/opensearch.atom?dataset=OSDPD-L2P-MSG02&start=1291161600000&stop=1291334399000"
```

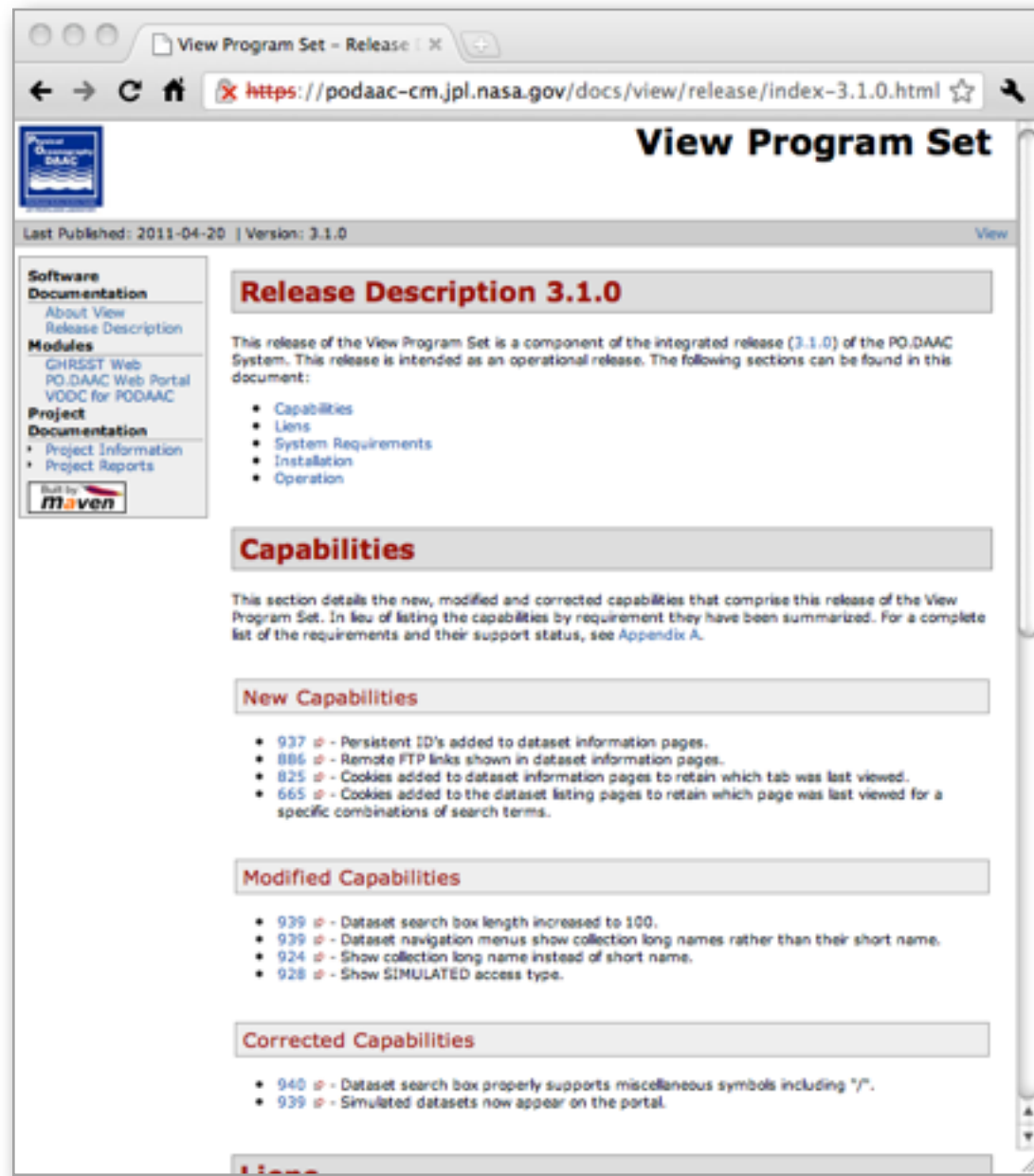
Program Set: Product Rollout



- **New Capabilities**
 - Trac 937 - DMAS to support permanent ID
- **Modified Capabilities**
 - Trac 868 - Leading and trailing white space removal for DM Tool fields
 - Trac 889 - Dataset Manager - location policy limit of 100 chars for basepath vs. 255 in db
 - Trac 911 - remove auto fill of legacy product id
- **Corrected Capabilities**
 - none

A screenshot of the 'Dataset Manager Tool' interface. The top section shows the dataset name 'ABOM-L4HRfnd-AUS-RAMSSA_09km'. Below this is a table with fields for 'Short Name', 'Long Name', 'Persistent Id', 'Across Track Resolution (Meters)', 'Along Track Resolution (Meters)', 'Altitude Resolution', 'Ascending Node Time', and 'Depth Resolution'. The 'Persistent Id' field is highlighted with a red box and contains the value 'PODAAC-GHRAM-4FA01'. To the right of the table is a large text area for the dataset description, which contains a detailed paragraph about the BLUElink project. A yellow tooltip is visible over the 'error input' field, stating: 'Must be all uppercase letters or numbers with the following format: XXXXXX-XXXXX-XXXXX.' The bottom of the page shows a 'Description' field with a text area containing the same paragraph about the BLUElink project.

Program Set: View



- **New Capabilities**

- Trac [665](#) - back navigation on web page/shrimp
- Trac [825](#) - Web Portal: using browser's back button from data access tab
- Trac [886](#) - Web Portal Data Access Links for Remote Datasets
- Trac [937](#) - DMAS to support permanent ID

- **Modified Capabilities**

- Trac [924](#) - Web Portal Collections should display Long Name
- Trac [928](#) - Allow SIMULATED access_type to be displayed on Solr and Drupal web portal
- Trac [939](#) - Web Portal: dataset search search bar too short

- **Corrected Capabilities**

- Trac [940](#) - Web Portal: dataset search should handle slash "/"

List of Addressed Trac Tickets

Trac #	Reporter	Title
372	Irodrig	Sig Event: reverse order of events so most recent is listed first
665	Irodrig	back navigation on web page/shrimp
780	ymchen	Granule Browse doesnt work with rolled-off granules
781	abingham	Browse Granule oddities
816	Irodrig	dataset element doesn't always copy
825	Irodrig	Web Portal: using browser's back button from data access tab
851	Irodrig	Add new Dataset ID to metadata and applications
857	Irodrig	Add "ING_ENGINE" view to the operator/admin tool
868	Irodrig	Leading and trailing white space removal for DM Tool fields
881	Irodrig	merged alt data
886	Irodrig	Web Portal Data Access Links for Remote Datasets
889	Irodrig	Dataset Manager - location policy limit of 100 chars for basepath vs. 255 in db
891	Irodrig	granule_reference.path has "null" incorrectly embedded
897	gangl	Tool for operator to locate granule ID[s]
911	Irodrig	remove auto fill of legacy product id
916	Irodrig	Manager's monitoring needs to ignore dormant datasets
921	ymchen	Generic Crawler issues with GSFC FTP site
922	gangl	DM Tool error when updating Dataset Element tab at Submit stage
923	finch	echoExport -fb option
924	Irodrig	Web Portal Collections should display Long Name
928	Irodrig	Allow SIMULATED access_type to be displayed on Solr and Drupal web portal
936	ymchen	Generic Crawler active mode option
937	Irodrig	DMAS to support permanent ID
938	Irodrig	DMT: new contact tab: email field is int but should take an email address
939	Irodrig	Web Portal: dataset search search bar too short
954	Irodrig	Aquarius data handler hangs when a SHA1 checksum failure is encountered on remote granule
945	Irodrig	Dataset Manager Tool: add location policy types archive-retired, archive-shared



