Earthdata UTC Meeting 04.26.2016

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- 2. EMS Status
- 3. Earthdata Login
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- 6. CMR/ECHO/Earthdata Search
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  - CMR/ECHO Release Status
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  - Metadata Management Tool Release Status
- 7. GIBS
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- 9. Open Floor
  - Tagging

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1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

2. EMS Status

Nelson Casiano

- **Upcoming/Ongoing Activities with Data Providers**
  - MODAPS
    - MODAPSNRT3 - -will promote to production following an update to an EMS script. The EMS script is currently being tested in UAT
    - MODAPS planning to add version identification to Collection 5 and Collection 6 MODIS products
    - MODAPS OPENDAP files are being tested in EMS UAT
  - GHRC
    - AMSR2NRT to EMS – in production
      - Will reprocess files from beginning of fiscal year
    - Planning to configure EMS for a new file type. EMS will be configured in UAT for testing.
  - LARCNRT2
    - Configured new data provider LARCNRT2. Currently processing in UAT, will promote to production after confirmation from EMS Analysts.
  - ECS 8.3.8 (Timezone Update)
    - NSIDC - in production.
    - LARC ASDC - in production
    - LP DAAC - in production
  - URS Primary Study Area into EMS - Testing in UAT

3. Earthdata Login

Peter Smith

- **URS Integration Information on SSO and the API's can be found on** Wiki
- **DAAC On-boarding Status and Integration Schedule can be found on** Wiki
  - Please get in touch (Peter Smith or Stanley Stewart) if you are having trouble accessing any of the Wiki areas.
- **URS4 Development**
  - Current Sprint 2.71
  - In Production(Release 4.46)
- Earthdata Login public wiki

Sprint Status

Sprint	Start Date	Release	UAT Date	OPS Date
2.71	25 Apr 2016			
2.70	11 Apr 2016	4.47	28 Apr 2016	05 May 2016
2.69	28 Mar 2016			

2.68	14 Mar 2016	**4.46**	31 Mar 2016	07 Apr 2016
2.67	29 Feb 2016	4.45	17 Mar 2016	24 Mar 2016
2.66	15 Feb 2016	4.44	10 Mar 2016	10 Mar 2016
2.65	01 Feb 2016			
2.64	18 Jan 2016	4.43	04 Feb 2016	11 Feb 2016

Ticket Status

Ticket	Sprint
URSFOUR-643 - Provide a means for an application to require a value for user profile fields.	2.70
URSFOUR-639 - Improved error message needed.	2.68
URSFOUR-628 - Accounts locked due to too many login attempts should unlock automatically after a short time interval.	2.71
URSFOUR-623 - Create a urs page that can act as a test server for clients.	2.68
URSFOUR-615 - Improve URS GUI messages for locked accounts	2.60
URSFOUR-607 - Provide a way to easily migrate production URS users into UAT	2.60
URSFOUR-594 - Provide an ROPC implementation for URS	2.58

URSFOUR-593 - Provide a 'User Services' role within URS.	2.58
URSFOUR-590 - Some of the text is not visible for oauth/authorize and users/app_approve page after EUI changes	2.57

4. Earthdata

Brett McLaughlin Mark Reese

- **Earthdata Developer Portal**
  - MVP requirements established
  - Tickets approved and in upcoming design sprint
- **Conduit** (Earthdata CMS)
  - Workflow enhancements for managers, editors, etc.
  - Improved editing capabilities
  - Support for events through CMS
- **Bamboo increased security**

Key tickets in current sprint

Key	Summary	Type	Created	Updated	Due	Assignee	Reporter	Priority	Status	Resolution

JIRA project doesn't exist or you don't have permission to view it.

View these issues in JIRA

5. User Support Tool

Stanley Stewart

Activities:

Completed a training session with ASF for Kayako.

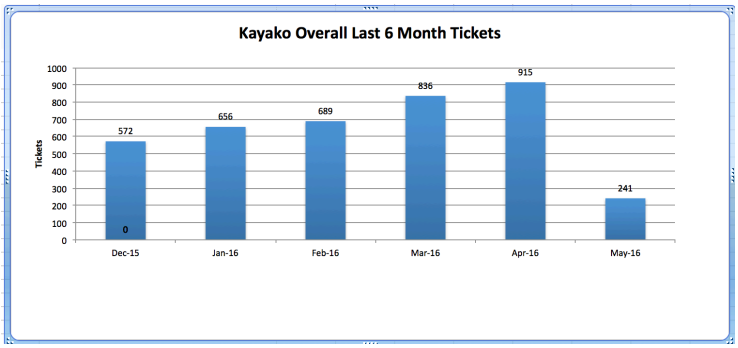
Informal training session with ASDC Support using Kayako Tags and Macros

SEDAC Training session schedule for this week

Issues:

Recent Metrics

Kayako Overall Last 6 Months Tickets



Total Kayako Tickets since last UTC

	Closed	In Progress	On Hold	Open	Waiting for DAAC	Waiting for User
ASDC	45	2		1		2
ASF	1					
CMR	1			1		
ECC	6					
ECHO	4					
EMS	1					

Earthdata	14			1		1
Earthdata Search	4					
FIRMS	10			1		
GCMD	11	2			1	
GES-DISC				1		
GHRC	3			2		
GIBS	3					
LANCE		1				
LPDAAC	72	2	2	5	6	
NSIDC						1
OB.DAAC	1					
ORNL DAAC	2			2		
PO.DAAC	8			3		
PO.DAAC Forum	5					
Reverb	10			2		
Sea Level Change				1		
URS	143					
Worldview	14			2		
Totals (400)	358	7	2	22	7	4

6. CMR/ECHO/Earthdata Search

Doug Newman

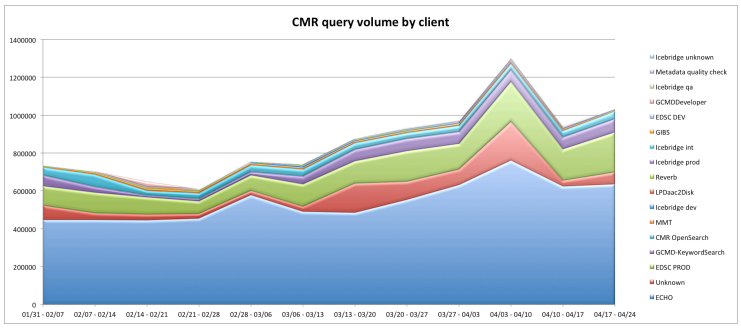
CMR/ECHO System Status

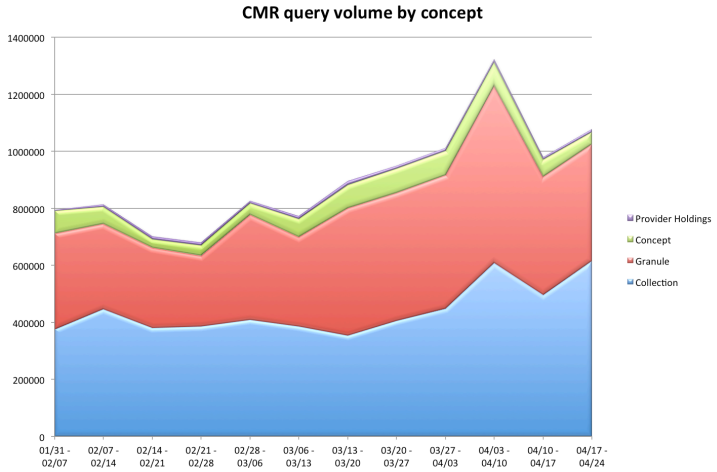
System Issues

- 04/13/16 CMR Search with Tags failure in Operations - 04/13/16 9am - 04/13/16 3pm
- 04/20/16 Operational Reverb outage - 04/20/16 10:56am - 11:30am

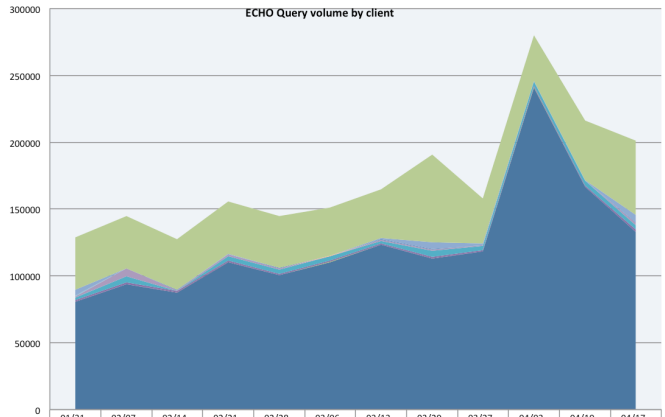
Recent Metrics

CMR client usage

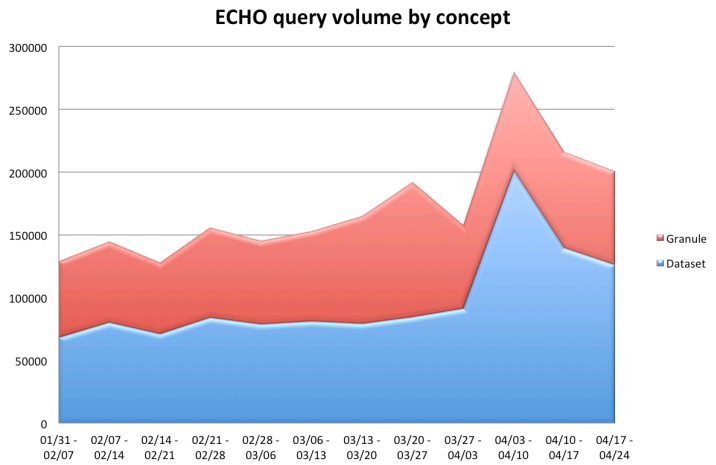




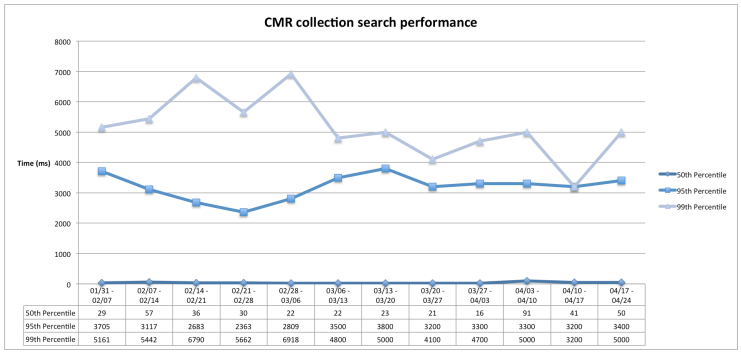
ECHO Client Usage



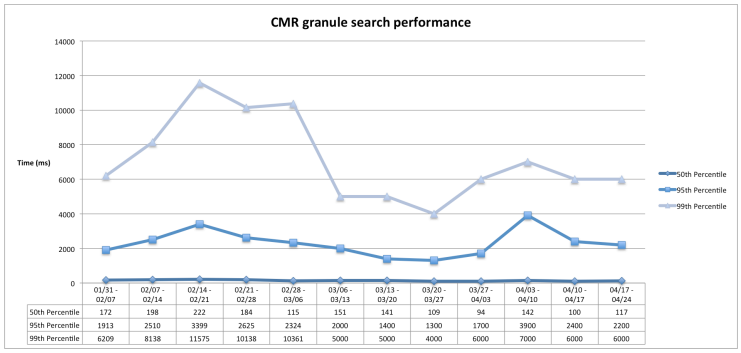
	01/31 - 02/07	02/07 - 02/14	02/14 - 02/21	02/21 - 02/28	02/28 - 03/06	03/06 - 03/13	03/13 - 03/20	03/20 - 03/27	03/27 - 04/03	04/03 - 04/10	04/10 - 04/17	04/17 - 04/24
Other	39382	39077	37740	38910	38773	35744	36603	65607	33722	34154	44414	55731
LPDAAC2DiskCLI	4154	292	356	409	114	216	902	5216	1504	211	376	5289
AUTOMOD	130	35	203	182	225	216	311	432	17	146	103	421
UAH	34	35	35	35	35	25	0	0	0	0	0	0
CRT	561	21	6	0	0	0	0	0	0	0	0	0
PUMP	819	5867	520	1406	1125	106	878	790	316	73	215	1886
AVAPC	1935	4647	0	3098	3098	3098	2033	4647	3098	3098	3496	3223
Worldview	1025	971	967	938	893	1279	714	1102	767	1176	911	1798
GSFCS4PA	34	39	75	86	70	60	64	36	49	56	67	68
GESDISC	0	0	0	0	0	0	0	0	0	0	0	0
GMUCWICWrapper	286	196	165	140	83	156	86	34	38	40	48	33
Reverb	80505	93696	87509	110307	100357	110195	123377	113087	118446	240951	166436	132773



CMR Query Performance



	01/31 - 02/07	02/07 - 02/14	02/14 - 02/21	02/21 - 02/28	02/28 - 03/06	03/06 - 03/13	03/13 - 03/20	03/20 - 03/27	03/27 - 04/03	04/03 - 04/10	04/10 - 04/17	04/17 - 04/24
50th Percentile	29	57	36	30	22	22	23	21	16	91	41	50
95th Percentile	3705	3117	2683	2363	2809	3500	3800	3200	3300	3300	3200	3400
99th Percentile	5161	5442	6790	5662	6918	4800	5000	4100	4700	5000	3200	5000



	01/31 - 02/07	02/07 - 02/14	02/14 - 02/21	02/21 - 02/28	02/28 - 03/06	03/06 - 03/13	03/13 - 03/20	03/20 - 03/27	03/27 - 04/03	04/03 - 04/10	04/10 - 04/17	04/17 - 04/24
50th Percentile	172	198	222	184	115	151	141	109	94	142	100	117
95th Percentile	1913	2510	3399	2625	2324	2000	1400	1300	1700	3900	2400	2200
99th Percentile	6209	8138	11575	10138	10361	5000	5000	4000	6000	7000	6000	6000

CMR/ECHO Release Status

In Production: 1.47/10.119

CMR-2667
Failure to index collections into the all revisions index due to _version issues

CMR-2604
Sequential queries for a collection in Ops return a result and then no result.

CMR-2603
Searching for groups in the access control service is slow

CMR-2600
Internal error search for collections in ECHO10 from EDSC in UAT

CMR-2597
GES_DISC collection retrieval as ECHO10 causes internal error

CMR-2588
Errors encountered when attempting to update collection metadata in CMR sit environment

CMR-2587
ECHO system token needs to be encrypted and shared by all Bamboo deployed projects that need it

CMR-2586
Tag key should be in the URL when referring to tags

CMR-2577
Adding group members in SIT fails

CMR-2576
Searching groups returns old revision of deleted group

CMR-2568
As a CMR Administrator, I should be able to finalize the process of moving a collection from small collections…

CMR-2567
As a CMR Administrator, I should be notified when a rebalanced collection has finished indexing into a new i…

CMR-2566
Retrieving a group concept by id with invalid parameter is not rejected

CMR-2562
As a CMR Administrator, I should be able to start the process to move a collection from small collections into…

CMR-2541
CMR should verify that it is correctly collapsing facets which differ only in case

CMR-2512
As a CMR CSW Services consumer I would like to get the CSW Service Instance information via a GetCapa…

CMR-2501
Concept search gives an Internal Error

CMR-2441
As a Client User, I want to optionally include associated tag keys and data with a collection in Atom search r…

CMR-2440
As a Client User, I want to optionally include associated tag keys and data with a collection in JSON search r…

CMR-2439
As a Client User, I want a tag association to optionally include an indexed searchable string value.

In UAT: 1.48/10.120

ECHO-605
Services not available in reverb for CMR only providers

CMR-2683
Updating access groups deletes members

CMR-2673
Global transaction ids are incorrectly set in the database preventing older data from being indexed

CMR-2631
Reindexing tags finds tombstones and prints exceptions to logs

CMR-2629
Internal error in SIT indexing collections

CMR-2608
Opensearch granule results show 'This dataset does not contain any granules' for a granule

CMR-2583
As a client, I want to be able to retrieve the Data Center URL as part of the data provider's keyword endpoint

CMR-2569
As a CMR Administrator, I should be able to verify that a rebalanced collection has been moved successfully.

CMR-2547
As a Client User, I would like the CMR to parse DIF temporal end dates without a time as inclusive of that whole …

CMR-2466
As a Client User, I want the CMR to reject a group creation if the name matches an existing group's name case i…

CMR-2436
As a Client User, I want to associate a tag with a specific revision of a collection.

CMR-2416
Improve spatial search performance for collection searches with include_granule_counts for Icebridge Portal

CMR-2365
As a Client User, I want tag associations with a specific collection revision to be removed when a collection revis…

CMR-2111
As a client user, I want to be able to sort collections based on short-name.

Earth Data Search Release Status

In Production: 1.15

EDSC-979
AST_L1A ordering changes breaking ability to order data for those who have ordered in the past

EDSC-977
Investigate latest Rails vulnerabilities, fix as necessary, and backport

EDSC-971
Make facet value sorting case-insensitive (Earthdata Search Service Desk)

EDSC-968
Multiple bounding rectangles on map, but only one in collection details text

EDSC-960
Limitations on order sizes and expected behavior need to be more clear

EDSC-839
As a user, I want my polygon search area to be reduced to its minimum bounding rectangle when searching non…

EDSC-815
As a user, I want to see an indication when my spatial search area is reduced so I may understand the behavior …

EDSC-812
As a user, I want to view additional helpful information about non-NASA granule results, so I may understand th…

ECHO-592
Browse scaler should return placeholder image for all types of errors

In UAT: 1.16

EDSC-998
Earthdata Search should use other collections that have granules as default featured collections.

EDSC-997
ESI orders stuck in Submitting state in SIT

EDSC-996
health endpoint flapping in OPS wrt jobs

EDSC-991
EarthDataSearch CER_SSF footprint plotting problem (CMR spatial metadata not plotted properly) (Earthdata S…

EDSC-984
ESI order failures - ALBERS error without ALBERS option (Earthdata Search)

EDSC-806
As a user, I want to see an indication that timeline data is not available for my non-NASA collections so I may un…

Metadata Management Tool Release Status

In Production: 1.21

MMT-496
As a CMR administrator, I should see a dashboard with helpful links for CMR administration

MMT-485
Error when attempting to load collection with non-ASCII characters in the entry-title and short-name

MMT-440
As a user, I should see descriptions for top level UMM-C fields.

MMT-351
As an unauthenticated user, I should see an error page with appropriate information if I try to access a page that…

MMT-164
As a MMT User, I want to see a list of access control groups to which I belong.

MMT-163
As a CMR Administrator, I want to see a list of all access control groups to which a given user belongs.

MMT-162
As a CMR Administrator, I want to see a list of access control groups owned by a given provider.

MMT-160
As a CMR Administrator, I want to see a summary list of all access control groups.

MMT-159
As a Group Manager, I want to delete an access control group that I manage.

MMT-158
As a Group Manager, I want to update the description of an existing access control group.

MMT-157
As a Group Manager, I want to see a list of my access control groups to which a given user belongs.

MMT-156
As a Group Manager, I want to see a list of members of an access control group that I manage.

MMT-154
As a Group Manager, I want to remove one or more members from an access control group that I manage.

MMT-151
As a Group Manager, I want to add one or more CMR registered users to an access control group that I manage.

In UAT: 1.22

MMT-514
As a user, MMT should remember the page I was trying to access if I must log in to view the page first.

MMT-505
Re-order the collection forms according to importance and which have required fields

MMT-502
As a user, I should be able to search for spatial keywords using the keyword picker.

MMT-500
Add NASA favicon for MMT

MMT-495
Saving draft converts invalid non-numeric entries to numeric entries without informing the user

MMT-468
Use consistent title for Resource Citation vs Collection Citation

Upcoming PMs

27 Apr 2016

- CMR 1.48 to PROD, 1.49 to UAT
- EDSC 1.16 to PROD, 1.17 to UAT
- MMT 1.22 to PROD, 1.23 to UAT
- ECHO 10.120 to OPS, 10.121 to PT

7. GIBS

Matthew Cechini

- **New/Planned Products**
  - Landsat WELD
    - Ongoing processing of full resolution True Color and NDVI imagery.
    - Ongoing discussion for full resolution false color combinations.
  - MODIS Collection 6 - Atmosphere & Land Reprocessing
    - Atmosphere - Completed 2013 processing, with errors in input imagery. Pending analysis.
    - Land L2 - Waiting on updated test imagery after recent colormap change
  - BEDI Activities - Actively reviewing sample imagery for the following instruments:
    - OMI/AIRS - GESDISC
    - SST/Chlorophyll - OBPG
    - RSS/LIS - GHRC
    - MOPITT/CERES/MISR - ASDC
    - ASTER L1T - LPDAAC
- **GIBS New Production Release**
  - New system is running concurrently with GIBS production. Monitoring performance and latency.

8. Worldview

Taylor Gunnoe

9. Open Floor

Tagging

- Tagging is a general metadata extension solution that can be used to solve many different problems. The general principle is the ability to add ancillary data to a collection or group of collections without augmenting the actual metadata itself. This means anyone, in theory, can add information to a collection in the form of tags.
- The majority of the tagging work is complete and the API is stable as of CMR version 1.49 which is currently running in SIT. That will go to UAT tomorrow and production on May 11th.

- We want people to try out the API and provide feedback.
- A description of some use cases for tagging is in the wiki with the design: https://wiki.earthdata.nasa.gov/display/CMR/Updated+Tagging+Design
- API documentation: https://cmr.sit.earthdata.nasa.gov/search/site/search_api_docs.html#tagging
- Ask questions in the forum: https://wiki.earthdata.nasa.gov/display/CMR/CMR+Client+Developer+Forum
- If you would like to start using tagging you will need to contact the CMR operations (emailing echo-ops@lists.nasa.gov or posting question in NASA IM echo-ops chatroom) so you can be given access.