Earthdata UTC Meeting 4.28.2015

- 1. Attendance
- 2. EMS Status
- 3. URS
- 4. Earthdata
- 5. CMR/ECHO/EDSC
  - CMR/ECHO System Status
  - CMR Release Status
  - ECHO/Reverb Release Status
- 6. GIBS
- 7. Open Floor

1. Attendance

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

2. EMS Status

3. URS

For further information, please email Peter Smith (peter.l.smith@nasa.gov) or Ken Cockerill (kenneth.l.cockearill@nasa.gov)

- **Updated Apache URS authentication module available on ECC**
- **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
  - Get in touch (Peter Smith or Stanley Stewart) if you are having trouble accessing any of the Wiki areas
- **URS4 Development**
  - Current Sprint 2.46
  - In Production(Release 4.28)

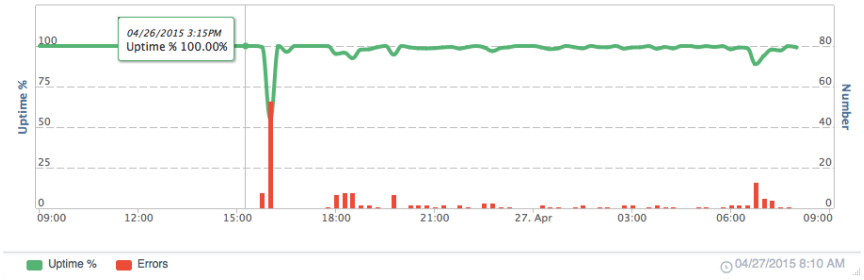
4. Earthdata

5. CMR/ECHO/EDSC

CMR/ECHO System Status

System Issues

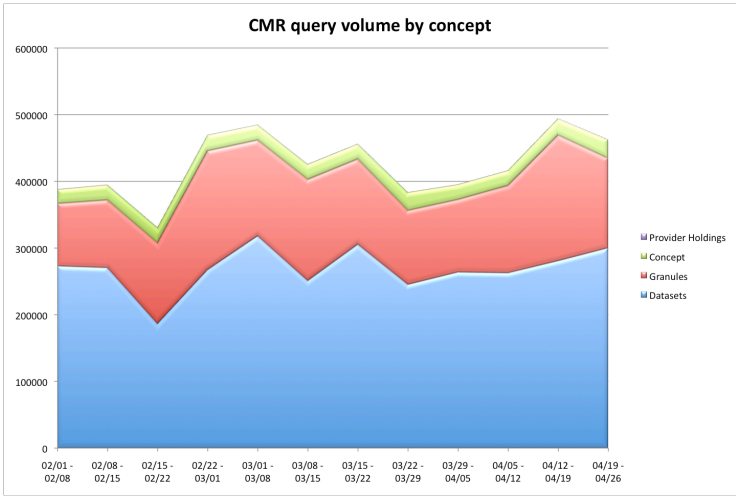
- 04/22 - SAN Controller failure caused build up of ingest queues and problems during code deployment in PM. The replacement of the SAN controller caused an unexpected outage from 17:27 - 18:27
- 04/26 - NASA level infrastructure upgrades caused outages



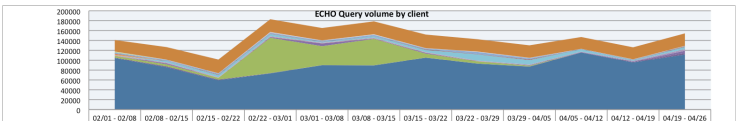
- 04/26 - 04/28 - poor ingest due to increased ingest pressure on CMR. New release of CMR resolved issue this morning.

Recent Metrics

CMR query break down

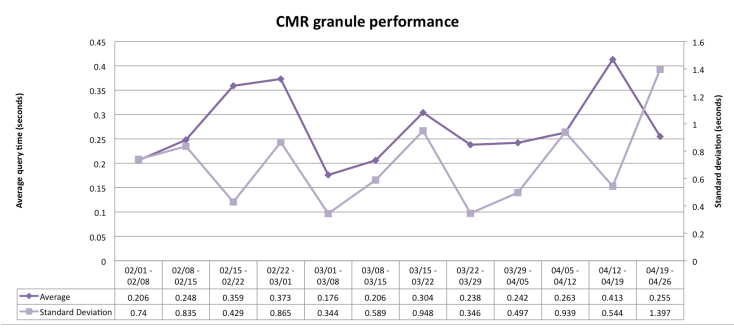


ECHO Client Usage



	02/01 - 02/08	02/08 - 02/15	02/15 - 02/22	02/22 - 03/01	03/01 - 03/08	03/08 - 03/15	03/15 - 03/22	03/22 - 03/29	03/29 - 04/05	04/05 - 04/12	04/12 - 04/19	04/19 - 04/26
Other	23332	25399	27831	25894	25027	26089	27647	24900	25337	23979	24343	25226
LPDAAC2Disk	358	364	242	352	434	735	390	274	407	111	333	318
AUTOMOD	18	108	78	838	214	78	78	372	48	18	78	108
CSWSoap	0	0	0	0	0	0	0	0	0	0	0	0
CrtApiUi	138	147	147	152	141	336	135	255	196	205	171	195
UAH	1743	14	14	14	21	14	14	14	14	14	44	35
OpenSearch	1702	1657	1825	1493	1479	1816	1469	3854	2091	0	0	0
CRT	427	235	237	375	461	555	549	505	555	599	585	565
PUMP	791	208	837	549	399	195	867	468	1032	44	337	899
EDSC	2172	0	0	0	0	0	0	0	2	0	0	0
MODAPS	0	0	0	0	0	0	0	0	0	0	0	0
CWICTest	0	0	0	8	0	0	0	0	0	0	0	0
AVAPC	2	3098	4647	4774	1549	3098	4647	12733	9294	4647	1549	4647
Worldview	700	911	622	873	777	975	581	555	709	452	1317	3193
Giovanni	685	579	575	637	649	563	568	559	323	0	0	0
GSFCS4PA	63	60	60	49	52	75	69	85	57	52	60	57
GESDISC	6	2201	4	1572	5584	820	1657	295	1053	799	799	4632
SSW	3608	4052	3492	71630	38366	53722	8055	4443	1769	0	0	0
CWICSOAP	0	0	0	0	0	0	0	0	0	0	0	0
CWICPROD	0	0	0	0	0	0	0	0	0	0	0	0
GMUCWICWrapper	890	1754	1477	475	187	157	166	108	242	512	957	2982
Reverb	104322	85762	59225	73355	89870	89443	105074	93063	86997	115552	95544	111498

CMR Query Performance



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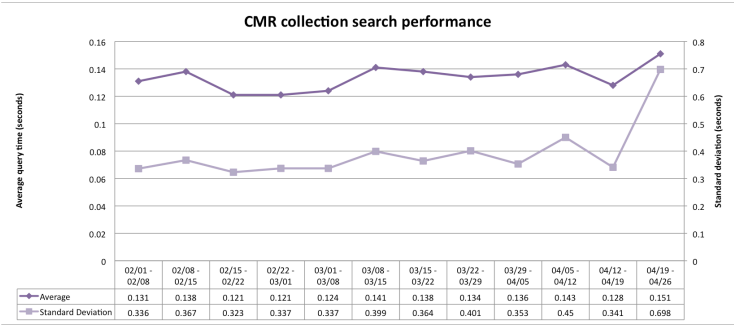
Average	0.206	0.248	0.359	0.373	0.176	0.206	0.304	0.238	0.242	0.263	0.413	0.255
Standard Deviation	0.74	0.835	0.429	0.865	0.344	0.589	0.948	0.346	0.497	0.939	0.544	1.397



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Average	0.131	0.138	0.121	0.121	0.124	0.141	0.138	0.134	0.136	0.143	0.128	0.151
Standard Deviation	0.336	0.367	0.323	0.337	0.337	0.399	0.364	0.401	0.353	0.45	0.341	0.698

CMR Release Status

Operational Release: **1.22**

UAT Release: **1.23**

ECHO/Reverb Release Status

In Production: 10.94

Sprint Ended: 4/6/2015

Selected Issues

Key	Summary
ECHO-291	Cannot delete or disable virtual tags through ECHO REST interface
ECHO-282	Perform OS updates on ECHO Oracle vagrant VM
ECHO-280	VersionDescription attribute maximum length should be increased
ECHO-276	Migrate ECHO code base to ECC
ECHO-268	Dataset passes validation but fails FTP ingest
ECHO-267	Unused space in ECHO forms
ECHO-264	Browse Image does not show up in api-test Reverb for our LPDAAC_TS2 provider
ECHO-252	Diagram and document interactions between ECHO components
ECHO-230	Need ability to toggle virtual tags through ECHO REST interface

In Test: 10.95

Sprint Ended: 4/17/2015

Selected Issues

Key	Summary
ECHO-316	throttle concurrent token requests for same user
ECHO-313	ECHO Kernel should log interaction times with URS requests.
ECHO-301	ECHO clients to CMR should use the Client-id header to identify themselves
ECHO-286	ECHO schema files should be pulled/generated from one place
ECHO-284	CampaignLongName attribute maximum length should be increased
ECHO-268	Dataset passes validation but fails FTP ingest
ECHO-228	Back button to Perform Services clears out option form
ECHO-1	Reverb should no longer require address for ordering

In Development: 10.96

Sprint Ending: 5/1/2015

Selected Issues

Key	Summary
ECHO-323	Improve Reverb Data Access metrics
ECHO-322	Improve dataset search metrics in google analytics
ECHO-319	Put together presentation of current service implementation
ECHO-315	Add tophat to Reverb
ECHO-307	Find replacement for holepicker

Upcoming Events

Planned Maintenance

29 Apr 2015

- OPS OS patching
- Oracle PSU to Test Bed (outage)
- EDSC 0.33 to PROD
- EDSC 0.34 to UAT

06 May 2015

- ECHO 10.95 in Operations
- CMR 1.23 to Production
- ECHO 10.96 in Partner Test
- CMR 1.24 to UAT
- Oracle PSU to Partner Test (outage)

6. GIBS

- **New/Planned Products**
  - MODIS Collection 6 - Atmosphere & Land Reprocessing
    - Meeting with Atmosphere team this week to address latest review.
    - Land imagery products currently under review by science teams.
  - ASTER GDEM - 30m Global DEM Grayscale Shaded Relief, Colored Shaded Relief, Colored Index
    - Completed Northern + SE. Actively processing SW.
    - Reviewing generated GIBS layers & addressing image seams.
  - AMSR2 NRT - Testing new LANCE data products in GIBS test environment

        - Cloud Liquid Water
        - Surface Precipitation Rate
        - Surface Rain Rate
        - Wind Speed
        - Columnar Water Vapo
- **GIBS New Production Release**
    - Transition Plan Draft - Open for comments.
    - Targeting 1st/2nd week of June for transition.
- **General**
    - GIBS Imagery Provider ICD - 1 week left!

7. Open Floor

OPeNDAP URLs in Metadata

We have been putting together some documentation for this:

OPeNDAP, OpenSearch, and the CMR

Feel free to comment.

Notice: earthdata-utc mailing list

We are fully converted to the new list. If you have people who need to subscribe, please direct them towards: https://lists.nasa.gov/mailman/listinfo/earthdata-utc