

## Issues

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee      | Updated          | Category             |
|------|----------------|--------------|-------------|----------|--|---------------|------------------|----------------------|
| 3768 | Infrastructure | Task         | New         | Normal   | Add canonical DataONE description paper to citing DataONE web-page       | Amber Budden  | 2013-05-16 22:20 | Community Engagement |
| 8254 | Member Nodes   | MNDeployment | Planning    | Normal   | ABDS - Arctic Biodiversity Data Service (CAFF)                           | Amy Forrester | 2019-09-17 14:31 |                      |
| 7973 | Member Nodes   | MNDeployment | New         | Low      | Alaska Energy Data Gateway   | Amy Forrester | 2018-04-17 17:21 |                      |
| 8522 | Member Nodes   | Task         | In Progress | Normal   | CAFF: MN Communications  | Amy Forrester | 2018-04-11 14:48 |                      |
| 8523 | Member Nodes   | Task         | In Progress | Normal   | CAFF: Technical Requirements & Design Planning                           | Amy Forrester | 2018-06-14 14:21 |                      |
| 8544 | Member Nodes   | MNDeployment | Operational | Normal   | Chinese Ecosystem Research Network                                       | Amy Forrester | 2018-12-04 14:56 |                      |
| 8645 | Member Nodes   | Task         | New         | Normal   | (Cyverse) Mutual acceptance  | Amy Forrester | 2018-07-05 14:26 |                      |
| 8633 | Member Nodes   | Task         | In Progress | Normal   | DAAC: Re-Training & Re-Deployment Planning                               | Amy Forrester | 2018-07-02 14:53 |                      |
| 8358 | Member Nodes   | Story        | In Progress | Normal   | Discovery & Planning (CAFF)  | Amy Forrester | 2018-04-06 14:56 |                      |
| 3221 | Member Nodes   | MNDeployment | Operational | High     | EDAC member node   | Amy Forrester | 2018-08-31 15:15 |                      |
| 3556 | Member Nodes   | MNDeployment | Operational | High     | ESA Data Registry  | Amy Forrester | 2019-10-08 15:28 |                      |
| 5899 | Member Nodes   | Task         | New         | Normal   | GBIF: Create news item   | Amy Forrester | 2019-01-24 17:10 |                      |
| 7986 | Member Nodes   | Task         | New         | Normal   | GINA: Configure SSL Certificates for Production                          | Amy Forrester | 2018-08-31 15:22 |                      |
| 7979 | Member Nodes   | Task         | New         | Normal   | GINA: Configure SSL Certificates for Testing Environment                 | Amy Forrester | 2018-08-31 15:23 |                      |
| 4700 | Member Nodes   | MNDeployment | Operational | Normal   | IARC (International Arctic Research Center) Data Archive                 | Amy Forrester | 2019-10-08 15:20 |                      |
| 3238 | Member Nodes   | MNDeployment | Operational | High     | Idaho Northwest Knowledge Network member node                            | Amy Forrester | 2019-10-08 15:14 |                      |
| 8728 | Member Nodes   | Task         | In Progress | Normal   | Initial Communications (NCAR)  | Amy Forrester | 2018-10-04 17:24 |                      |
| 8622 | Member Nodes   | Bug          | New         | High     | IOE repository is not responding   | Amy Forrester | 2019-03-05 20:54 |                      |
| 3687 | Member Nodes   | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems                         | Amy Forrester | 2019-10-08 15:29 |                      |
| 8259 | Member Nodes   | MNDeployment | New         | Normal   | Neotoma Paleocology Database   | Amy Forrester | 2018-04-09 21:14 |                      |
| 8535 | Member Nodes   | Story        | In Progress | Normal   | Neotoma: Story: Discovery & Planning                                     | Amy Forrester | 2018-04-09 21:14 |                      |
| 6957 | Member Nodes   | MNDeployment | Operational | Normal   | NRDC - Nevada Research Data Center                                       | Amy Forrester | 2019-10-08 18:39 |                      |
| 3559 | Member Nodes   | MNDeployment | Operational | Normal   | ONEShare   | Amy Forrester | 2019-09-03 16:40 |                      |
| 8378 | Member Nodes   | Task         | In Progress | Normal   | (OTS) replicate data   | Amy Forrester | 2018-07-31 18:49 |                      |
| 3201 | Member Nodes   | MNDeployment | Operational | Normal   | Taiwan Forestry Research Institute                                       | Amy Forrester | 2019-10-08 15:26 |                      |
| 8723 | Member Nodes   | Task         | New         | Low      | tDAR: Implemented IP Whitelisting on tDAR systems / Impacts to reporting | Amy Forrester | 2018-10-02 16:51 |                      |
| 8244 | Member Nodes   | Story        | New         | Normal   | Upgrade Member Node to current version of Metacat (IOE)                  | Amy Forrester | 2018-01-25 15:36 |                      |
| 3115 | Infrastructure | Task         | New         | Normal   | Get R client into working state.   | Andrew Pippin | 2012-08-02 17:32 |                      |
| 3114 | Infrastructure | Task         | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2                          | Andrew Pippin | 2012-08-02 17:27 |                      |
| 2642 | Infrastructure | Task         | In Progress | Normal   | Try installing GMN according to the setup instructions                   | Andrew Pippin | 2012-07-06 16:25 | d1_mn_GMN            |

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| 3357 | Infrastructure | Task         | New         | Normal   | Address ISet iterator bug that only iterates over a subset of the ISet                                 | Ben Leinfelder | 2012-12-12 16:54 | Metacat                |
| 2492 | Infrastructure | Task         | New         | Normal   | Add status page for given {pid}  | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor             |
| 3466 | Infrastructure | Task         | New         | Normal   | Add synthetic key to systemMetadata table  | Ben Leinfelder | 2013-01-08 18:30 |                        |
| 3209 | Member Nodes   | MNDeployment | Deferred    | Normal   | Avian Knowledge Network/Cornell Laboratory of Ornithology  | Ben Leinfelder | 2016-06-17 19:31 |                        |
| 3612 | Infrastructure | Task         | New         | Normal   | CN SystemMetadata has incomplete obsoletedBy information   | Ben Leinfelder | 2013-03-08 17:43 | Environment.Production |
| 3210 | Member Nodes   | Task         | New         | Normal   | Collect application metadata for the AKN member node   | Ben Leinfelder | 2013-01-08 19:23 |                        |
| 3220 | Member Nodes   | Task         | In Progress | Normal   | contact iEcolab to determine possible MN role  | Ben Leinfelder | 2013-10-01 17:53 |                        |
| 2343 | Infrastructure | Task         | New         | Normal   | Convert style sheets to separate product   | Ben Leinfelder | 2012-02-15 17:43 |                        |
| 3046 | Infrastructure | Task         | In Progress | Normal   | Create utility to update ORE maps with invalid date formats  | Ben Leinfelder | 2012-08-14 23:41 |                        |
| 2168 | CN REST        | Task         | New         | Normal   | Design UI for identity validation  | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 1479 | CN REST        | Task         | In Progress | Normal   | Design web UI for validating newly created identities  | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 3468 | Infrastructure | Task         | New         | Normal   | Explore how CN.listObject can effectively use auto-incremented key                                     | Ben Leinfelder | 2013-01-08 18:35 | Documentation          |
| 3219 | Member Nodes   | MNDeployment | New         | Normal   | iEcolab member node  | Ben Leinfelder | 2015-11-19 18:01 |                        |
| 3465 | Infrastructure | Task         | New         | Normal   | Improve Metacat listObject slicing   | Ben Leinfelder | 2013-01-08 18:54 | Metacat                |
| 3605 | Member Nodes   | Task         | New         | Normal   | Install a new Metacat instance for the Avian Knowledge Network (AKN) member node                       | Ben Leinfelder | 2013-02-21 16:20 |                        |
| 3047 | Infrastructure | Bug          | In Progress | Normal   | Metacat allows whitespace in Identifiers   | Ben Leinfelder | 2018-11-13 21:44 |                        |
| 3246 | Infrastructure | Bug          | New         | Low      | Metacat returns 500 instead of 404 in some cases   | Ben Leinfelder | 2014-10-02 18:03 | Metacat                |
| 3626 | Infrastructure | Task         | New         | Normal   | Metacat should use correct object format for ESRI profile metadata                                     | Ben Leinfelder | 2013-02-27 23:56 | Metacat                |
| 3467 | Infrastructure | Task         | New         | Normal   | MN.listObject should use auto-incremented key  | Ben Leinfelder | 2013-01-08 18:31 | Metacat                |
| 3374 | Member Nodes   | Task         | New         | Normal   | Move kepler-library.org Metacat to new server  | Ben Leinfelder | 2012-11-08 00:31 |                        |
| 8069 | Infrastructure | Bug          | New         | Normal   | Name from ORCID incorrectly parsed   | Ben Leinfelder | 2017-04-12 20:28 | d1_portal_servlet      |
| 3635 | Infrastructure | Task         | New         | Normal   | Phase two Morpho implementation  | Ben Leinfelder | 2013-03-25 22:49 |                        |
| 3109 | Infrastructure | Task         | In Progress | Normal   | PISCO/LTER revision history with SBC documents   | Ben Leinfelder | 2012-07-31 01:34 |                        |
| 3211 | Member Nodes   | MNDeployment | New         | Normal   | Taiwan Ecological Research Network member node   | Ben Leinfelder | 2014-02-20 21:58 |                        |
| 7686 | Member Nodes   | Task         | Testing     | High     | tDAR - Enable URL links out to data from search results  | Ben Leinfelder | 2016-09-27 15:56 |                        |
| 3597 | Member Nodes   | Task         | New         | Normal   | The Avian Knowledge Network (AKN) and Cornell Lab of Ornithology eBird should be distinct Member Nodes | Ben Leinfelder | 2014-04-23 01:32 |                        |
| 3625 | Infrastructure | Task         | New         | Normal   | Update existing SANParks doctype="metadata" objects to new ESRI/FGDC objectFormatId                    | Ben Leinfelder | 2013-02-27 23:44 | Environment.Production |
| 3868 | Member Nodes   | Task         | In Progress | Normal   | Verify TFR1 node is running NTP  | Ben Leinfelder | 2013-08-05 17:25 |                        |

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| 3258 | Member Nodes   | MNDeployment | New         | Low      | CitSci.org MN  | Bruce Wilson   | 2018-04-17 17:19 |                        |
| 5455 | Member Nodes   | Task         | In Progress | Normal   | Contact Line Pouchard to re-open discussion about PURL as a potential MN   | Bruce Wilson   | 2015-11-19 19:17 |                        |
| 1035 | Infrastructure | Task         | In Progress | Normal   | Develop reference architecture documents   | Bruce Wilson   | 2011-03-03 19:26 | Documentation          |
| 3964 | Member Nodes   | MNDeployment | Deferred    | Normal   | EU BON Member Node   | Bruce Wilson   | 2016-10-24 20:49 |                        |
| 5454 | Member Nodes   | Task         | New         | Normal   | Evaluate dataverse potential MN  | Bruce Wilson   | 2014-05-29 19:30 |                        |
| 6379 | Member Nodes   | MNDeployment | New         | Normal   | ICMBio   | Bruce Wilson   | 2015-11-19 17:21 |                        |
| 6708 | Member Nodes   | MNDeployment | Operational | Normal   | NEON - National Ecological Observatory Network   | Bruce Wilson   | 2019-06-06 19:52 |                        |
| 5457 | Member Nodes   | MNDeployment | New         | Normal   | NSIDC- National Snow and Ice Data Center   | Bruce Wilson   | 2018-04-10 19:12 |                        |
| 3260 | Member Nodes   | Task         | New         | Normal   | Scope out the implementation of a CitSci.org MN  | Bruce Wilson   | 2012-09-20 20:51 |                        |
| 3905 | Infrastructure | Task         | In Progress | Normal   | Sort out shell logins for splunk system  | Bruce Wilson   | 2013-08-23 13:27 | Support Operations     |
| 6544 | Member Nodes   | MNDeployment | Operational | High     | TERN Australia (powered by AEKOS)  | Bruce Wilson   | 2019-05-22 14:21 |                        |
| 7163 | Member Nodes   | MNDeployment | New         | Low      | UN Environmental Programme World Conservation Monitoring Centre (UNEP WCMC)  | Bruce Wilson   | 2016-04-04 17:17 |                        |
| 8754 | Infrastructure | Task         | New         | Normal   | Add EML 2.2 to CN formats list   | Bryce Mecum    | 2018-12-19 00:54 |                        |
| 8753 | Infrastructure | Task         | New         | Normal   | Add support for EML 2.2 (indexing, view)   | Bryce Mecum    | 2018-12-19 00:54 |                        |
| 8755 | Infrastructure | Task         | New         | Normal   | Expand EML indexing support for EML 2.2  | Bryce Mecum    | 2019-08-15 01:50 |                        |
| 8775 | Infrastructure | Task         | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive  | Bryce Mecum    | 2019-03-11 23:35 |                        |
| 8574 | Search UI      | Story        | New         | Normal   | PANGAEA Temporary Fix: SID only in Data Citation   | Bryce Mecum    | 2018-05-01 01:45 |                        |
| 8189 | Infrastructure | Decision     | New         | Normal   | Proposal to change the roles mapped to the origin Solr field for ISO docs  | Bryce Mecum    | 2017-12-20 01:28 |                        |
| 7754 | Search UI      | Story        | In Progress | Normal   | Support for XSL transform of various metadata formats  | Bryce Mecum    | 2018-05-17 14:18 | MetacatUI              |
| 8858 | Infrastructure | Task         | New         | Normal   | Update CN Apache configs in version control with directives to support sitemaps  | Bryce Mecum    | 2020-02-24 19:26 |                        |
| 4147 | Infrastructure | Task         | In Progress | Normal   | Modify d1_spatial_reporter.py to produce custom JSON output  | Chris Brumgard | 2014-03-31 17:41 | d1_cn_tools            |
| 3978 | Infrastructure | Task         | In Progress | Normal   | Add a CN reporting script that summarizes spatial data for the dashboard   | Chris Jones    | 2014-03-31 17:41 | d1_dashboard           |
| 8641 | Infrastructure | Bug          | New         | Normal   | Any change to SystemMetadata causes a new replication task to be generated without consideration of the object replicability | Chris Jones    | 2018-07-04 12:28 | d1_replication         |
| 5136 | Infrastructure | Task         | New         | Normal   | Change DNS settings on all DataONE VMs   | Chris Jones    | 2014-05-08 03:16 | Environment.Production |
| 6168 | Infrastructure | Task         | New         | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure   | Chris Jones    | 2014-08-29 16:01 | d1_cn_service          |
| 6250 | Infrastructure | Task         | New         | Normal   | CN methods return 500 ServiceFailure when called with bogus test data and without certificates                               | Chris Jones    | 2014-08-29 18:59 | d1_cn_service          |

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| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header   | Chris Jones | 2013-02-21 18:41 | Metacat                 |
| 6166 | Infrastructure | Task    | New         | Normal   | CNRead.getChecksum() returns Content-Type of text/csv while it should be an xml type                          | Chris Jones | 2014-08-29 15:04 | d1_cn_service           |
| 8777 | CN REST        | Task    | New         | Normal   | Configure CN to audit objects greater than 1GB  | Chris Jones | 2019-03-13 20:50 | d1_replication_auditor  |
| 5145 | Infrastructure | Feature | New         | Normal   | Consider including cert subject(s) in NotAuthorized exceptions  | Chris Jones | 2014-09-25 17:44 | d1_cn_service           |
| 8051 | Infrastructure | Bug     | In Progress | Normal   | CORS-based CN calls fail using Internet Explorer on Windows   | Chris Jones | 2017-03-28 16:35 | dataone-cn-os-core      |
| 3488 | Infrastructure | Task    | New         | Normal   | Create custom merge policy to support managing data/information inconsistency                                 | Chris Jones | 2014-03-14 17:27 | Metacat                 |
| 7322 | Java Client    | Bug     | Testing     | Normal   | D1Object stores data in memory, causes out of memory errors   | Chris Jones | 2015-08-28 00:15 | d1_libclient_java       |
| 3658 | DataONE API    | Bug     | New         | Normal   | Deleting objects breaks obsoletes chain traversal   | Chris Jones | 2015-01-19 22:29 |                         |
| 3328 | Infrastructure | Task    | New         | Normal   | Enable a data preview from the search results page  | Chris Jones | 2012-10-23 19:34 | d1_mercury              |
| 3616 | Infrastructure | Task    | New         | Normal   | Enable ServiceMethodRestriction support in Metacat  | Chris Jones | 2013-02-27 16:28 | Metacat                 |
| 8756 | CN REST        | Story   | New         | Normal   | Ensure replica auditor is effective   | Chris Jones | 2019-01-15 21:00 | d1_replication_auditor  |
| 8778 | CN REST        | Task    | New         | Normal   | Ensure SystemMetadata replica auditing updates are saved and broadcast  | Chris Jones | 2019-03-12 16:54 | d1_replication_auditor  |
| 8697 | Member Nodes   | Task    | New         | Normal   | ESSDIVE: anonymous download issue   | Chris Jones | 2018-09-13 19:40 |                         |
| 5137 | Infrastructure | Task    | New         | Normal   | Fix DataONE CA chain file location in cn-buildout   | Chris Jones | 2014-04-25 15:06 | d1_cn_buildout          |
| 7120 | Java Client    | Task    | Testing     | Normal   | Fix DataPackage.insertRelationship() to handle any URI for external identifiers                               | Chris Jones | 2015-06-04 21:48 | d1_libclient_java       |
| 5121 | Member Nodes   | Task    | New         | Normal   | Fix DryadDataFile instance documents with no dcterms:creator element  | Chris Jones | 2014-04-30 19:25 |                         |
| 8757 | CN REST        | Story   | New         | Normal   | Fix getChecksum() in MNAuditTask to use dynamic checksum algorithms   | Chris Jones | 2019-01-14 19:48 | d1_replication_auditor  |
| 3175 | Infrastructure | Task    | New         | Normal   | Include dataoneTypes.xsd in Metacat registered schemas  | Chris Jones | 2012-10-05 14:23 | Metacat                 |
| 3610 | Infrastructure | Task    | In Progress | Normal   | Include ESRI-specific FGDC metadata schema in object format list  | Chris Jones | 2013-07-03 00:23 | Environment.Production  |
| 3509 | Infrastructure | Task    | New         | Normal   | Issue certificates from D1TestIntCA for dev environment nodes, and revoke certificates signed by D1TestCA     | Chris Jones | 2014-09-24 18:25 | Support Operations      |
| 3510 | Infrastructure | Task    | New         | Normal   | Issue certificates from D1TestIntCA for sandbox environment nodes, and revoke certificates signed by D1TestCA | Chris Jones | 2014-09-24 18:25 | Support Operations      |
| 3511 | Infrastructure | Task    | New         | Normal   | Issue certificates from D1TestIntCA for stage environment nodes, and revoke certificates signed by D1TestCA   | Chris Jones | 2014-09-24 18:25 | Support Operations      |
| 2411 | Infrastructure | Bug     | In Progress | Normal   | knb MNs and CNs allow self-signed certificates to connect   | Chris Jones | 2014-10-01 22:22 | Environment.Development |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map   | Chris Jones | 2014-03-31 17:41 | d1_dashboard            |

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| 4210 | Infrastructure   | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()                        | Chris Jones   | 2013-12-20 16:12 | Metacat                |
| 3980 | Member Nodes     | Task    | New         | Normal    | Missing content   | Chris Jones   | 2013-09-25 21:48 |                        |
| 3700 | Infrastructure   | Bug     | New         | Normal    | MNodeService.replicate will not request new object if existing on MN                                      | Chris Jones   | 2015-01-06 19:43 | Metacat                |
| 4125 | Infrastructure   | Task    | New         | Normal    | Mock up an informational section of the Member Node detail view   | Chris Jones   | 2014-03-31 17:41 | d1_dashboard           |
| 2896 | Infrastructure   | Task    | New         | Normal    | Modify the admin DN in createObjectformat script per environment  | Chris Jones   | 2012-10-05 14:23 | d1_cn_buildout         |
| 4211 | Infrastructure   | Bug     | New         | Normal    | Potential race condition between archive and replication  | Chris Jones   | 2014-09-25 17:19 | d1_cn_service          |
| 4714 | Infrastructure   | Task    | In Progress | Normal    | Refresh client certificate for MN urn:node:TFRI   | Chris Jones   | 2014-09-24 18:14 | Environment.Production |
| 4715 | Infrastructure   | Task    | In Progress | Normal    | Refresh client certificate for urn:node:CLOAKN  | Chris Jones   | 2014-09-24 18:14 |                        |
| 4716 | Infrastructure   | Task    | In Progress | Normal    | refresh client certificate for urn:node:DRYAD   | Chris Jones   | 2014-09-24 18:14 | Environment.Production |
| 3864 | Infrastructure   | Task    | In Progress | Normal    | Release CCI 1.2.1 Features  | Chris Jones   | 2013-09-12 20:04 | Environment.Production |
| 4719 | Infrastructure   | Task    | In Progress | Normal    | Replace CN client certificate   | Chris Jones   | 2014-09-24 18:14 | Environment.Production |
| 8640 | Infrastructure   | Bug     | New         | Normal    | Replication includes "down" nodes as replication targets  | Chris Jones   | 2018-07-04 11:29 | d1_replication         |
| 8639 | Infrastructure   | Story   | New         | Normal    | Replication performance is too slow to service demand   | Chris Jones   | 2018-07-04 11:18 | d1_replication         |
| 5449 | Member Nodes     | Task    | In Progress | Normal    | Resolve resource map issues for LTER-Europe   | Chris Jones   | 2014-06-20 17:59 |                        |
| 6394 | Infrastructure   | Task    | New         | Normal    | Resolve SSL certificate connection errors for UNM Epscor Tier 4 MN in development                         | Chris Jones   | 2014-09-18 18:39 | Support Operations     |
| 7498 | Search UI        | Task    | In Progress | Normal    | Search UI deployments need to be automated  | Chris Jones   | 2015-11-21 00:36 | MetacatUI              |
| 8776 | CN REST          | Task    | New         | Normal    | Set valid replica status to completed   | Chris Jones   | 2019-03-12 15:57 | d1_replication_auditor |
| 7466 | Infrastructure   | Task    | In Progress | Normal    | Some objects not accessible on the CN via REST API  | Chris Jones   | 2015-11-05 16:11 | Metacat                |
| 4200 | Infrastructure   | Task    | New         | Normal    | Update replication.properties with metacat database password after upgrade before starting process daemon | Chris Jones   | 2013-12-11 20:34 | Environment.Production |
| 6843 | Infrastructure   | Task    | In Progress | Normal    | Update the prov instance of the RdfXmlSubprocessor to index renamed and inverse provenance properties     | Chris Jones   | 2017-03-28 16:16 | d1_indexer             |
| 7389 | Java Client      | Task    | Testing     | Normal    | V2 D1Object fails to download V1 content  | Chris Jones   | 2015-09-28 17:50 | d1_libclient_java      |
| 5122 | Member Nodes     | Task    | New         | Normal    | Verify/update information in TFRI's node registration   | Chris Jones   | 2014-04-18 16:51 |                        |
| 3878 | Infrastructure   | Task    | New         | Normal    | 4.2.1.1 Missing and Out-of-Date Documentation   | Dave Vieglais | 2014-09-24 18:27 |                        |
| 3881 | Infrastructure   | Task    | New         | Normal    | 4.2.1.4 Definition of Verified User Lacking   | Dave Vieglais | 2014-09-24 18:27 | Documentation          |
| 8236 | Infrastructure   | Task    | New         | Normal    | Acquire ORCID API key under KU membership   | Dave Vieglais | 2018-01-09 02:21 |                        |
| 2344 | Infrastructure   | Task    | New         | Normal    | Add category for Ben's style sheets in Redmine  | Dave Vieglais | 2012-02-15 17:45 | Support Operations     |
| 7181 | Python Libraries | Task    | In Progress | Normal    | add d1_libclient_python implementation  | Dave Vieglais | 2016-04-21 22:37 | d1_libclient_python    |
| 3807 | Infrastructure   | Task    | New         | Normal    | Add documentation for Types.QueryEngineDescription  | Dave Vieglais | 2014-10-02 17:21 | Documentation          |

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| 4102 | Infrastructure   | Task         | New         | Normal   | Add expiration policy for CNCore.reserveldentifier()                                      | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 7859 | Infrastructure   | Story        | New         | Normal   | Add formatID for the STL 3d model file format   | Dave Vieglais | 2018-01-17 19:04 |                     |
| 2540 | Infrastructure   | Feature      | In Progress | Normal   | add generateIdentifier() method to MNStorage API  | Dave Vieglais | 2014-10-02 17:54 | Documentation       |
| 8804 | Infrastructure   | Task         | New         | Normal   | Add ldap backup config to cn os-core  | Dave Vieglais | 2019-05-21 12:32 | dataone-cn-os-core  |
| 7137 | Python GMN       | Task         | Testing     | Normal   | Add support for V2 urls   | Dave Vieglais | 2016-03-25 01:27 |                     |
| 7427 | Python Libraries | Task         | New         | Normal   | adjust API signatures in python libraries   | Dave Vieglais | 2016-03-25 01:11 | d1_libclient_python |
| 8747 | Infrastructure   | Task         | New         | Normal   | Adjust package configuration to persist changes between updates                           | Dave Vieglais | 2018-11-16 17:32 |                     |
| 4053 | Infrastructure   | Task         | In Progress | Normal   | Architect OPeNDAP MN  | Dave Vieglais | 2013-10-06 20:11 | mn.OPeNDAP          |
| 6754 | Infrastructure   | Task         | New         | Normal   | Architecture API loose ends   | Dave Vieglais | 2015-01-13 18:54 | Architecture Design |
| 3520 | Member Nodes     | MNDeployment | New         | Low      | ARCTOS Collaborative Collection Management Solution                                       | Dave Vieglais | 2018-04-17 17:18 |                     |
| 3518 | Member Nodes     | Task         | New         | Normal   | Arctos: New MN discussion   | Dave Vieglais | 2013-01-25 18:27 |                     |
| 8235 | Infrastructure   | Task         | New         | Normal   | Arrange with KU library to make use of ORCID membership to support DataONE authentication | Dave Vieglais | 2018-01-09 02:01 |                     |
| 2464 | Infrastructure   | Task         | New         | Normal   | Authentication - no space after comma in subjects   | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 2466 | Infrastructure   | Task         | New         | Normal   | Authentication - Remove references to Principal   | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 2465 | Infrastructure   | Task         | New         | Normal   | Authentication - Remove TODO about selecting format for principal name                    | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 2286 | Infrastructure   | Task         | New         | Low      | Change Exceptions.InvalidToken to Exceptions.InvalidSession                               | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 3063 | Infrastructure   | Task         | New         | Normal   | Change Mutability of Metadata documentation   | Dave Vieglais | 2014-09-24 18:27 | Documentation       |
| 2488 | Infrastructure   | Story        | New         | Normal   | Changing the authoritativeMembernode will require all replica's systemMetadata be updated | Dave Vieglais | 2018-01-17 20:39 | d1_synchronization  |
| 4722 | Infrastructure   | Task         | New         | Normal   | Clarify permissions for CN  | Dave Vieglais | 2014-10-02 17:21 |                     |
| 7601 | Infrastructure   | Bug          | New         | High     | CN checksum inconsistencies   | Dave Vieglais | 2016-01-26 19:29 |                     |
| 2342 | Infrastructure   | Task         | New         | Normal   | CNCore.reserveldentifier() - Update REST description                                      | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 6392 | Infrastructure   | Decision     | New         | Normal   | CN getChecksum REST API design review   | Dave Vieglais | 2014-09-18 17:09 | Requirement         |
| 3314 | Infrastructure   | Task         | New         | Normal   | CNRead.getQueryEngineDescription() - REST URL   | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 3315 | Infrastructure   | Task         | New         | Normal   | CNRead.query() - POST in addition to GET  | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 2394 | Infrastructure   | Task         | New         | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 2131 | Infrastructure   | Task         | New         | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId                                    | Dave Vieglais | 2014-10-02 17:21 |                     |
| 2054 | Infrastructure   | Task         | New         | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                         | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 2475 | Infrastructure   | Task         | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null                              | Dave Vieglais | 2014-10-02 17:21 | Documentation       |

| #    | Project          | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category                      |
|------|------------------|---------|-------------|----------|--|---------------|------------------|-------------------------------|
| 3411 | Member Nodes     | Task    | New         | Normal   | Collate documents of relevance to MN deployment and operation                  | Dave Vieglais | 2012-12-01 18:33 |                               |
| 3974 | Infrastructure   | Task    | New         | Normal   | Complete agenda for meeting  | Dave Vieglais | 2013-09-11 20:59 |                               |
| 1227 | Infrastructure   | Task    | New         | Normal   | configure Hudson to build Mercury for deployment to a CN                       | Dave Vieglais | 2011-01-13 15:16 | d1_mercury                    |
| 8237 | Infrastructure   | Task    | New         | Normal   | Configure production environment to use new API key under KU ORCID membership  | Dave Vieglais | 2018-01-09 02:21 | Authentication, Authorization |
| 8038 | Infrastructure   | Story   | In Progress | Normal   | connect logging output to a log analysis tool                                  | Dave Vieglais | 2018-01-17 18:52 | d1_synchronization            |
| 7358 | Infrastructure   | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry                         | Dave Vieglais | 2016-12-21 09:05 | Authentication, Authorization |
| 4068 | Member Nodes     | Task    | New         | Normal   | Coordinate discussions for biodiversity data in DataONE with TDWG participants | Dave Vieglais | 2016-06-17 19:31 |                               |
| 6513 | Infrastructure   | Story   | New         | Normal   | Create a Local Cache of all Membernode log records on the single master CN     | Dave Vieglais | 2018-01-17 19:49 | d1_log_aggregation            |
| 7103 | Member Nodes     | Task    | New         | Normal   | Create a new test certificate for mnStagePISCO                                 | Dave Vieglais | 2015-05-14 18:29 |                               |
| 725  | Infrastructure   | Story   | In Progress | Normal   | Create Authentication and Access control design specifications                 | Dave Vieglais | 2018-01-17 20:52 | Documentation                 |
| 4704 | Infrastructure   | Task    | New         | Normal   | Create a view of MN holdings from a CN perspective                             | Dave Vieglais | 2014-04-09 15:33 |                               |
| 7138 | Python GMN       | Task    | Testing     | Normal   | Create new view functions  | Dave Vieglais | 2016-03-25 01:27 |                               |
| 7166 | OGC-Slender Node | Story   | New         | Normal   | Create ORE document for an NODC data package                                   | Dave Vieglais | 2015-06-08 18:50 |                               |
| 7102 | Member Nodes     | Task    | In Progress | Normal   | Create test server certificate for test.piscoweb.org                           | Dave Vieglais | 2015-05-14 18:28 |                               |
| 8161 | Infrastructure   | Bug     | New         | Normal   | d1-processing Out of Memory Error  | Dave Vieglais | 2018-02-20 16:19 | d1_process_daemon             |
| 8634 | Member Nodes     | Story   | New         | Normal   | DAAC: Testing & Development  | Dave Vieglais | 2018-07-02 14:55 |                               |
| 4188 | Infrastructure   | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification         | Dave Vieglais | 2018-01-17 20:05 | d1_schemas                    |
| 2660 | Infrastructure   | Task    | New         | Normal   | Deciding on a key size for D1 certs  | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 5141 | Infrastructure   | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document             | Dave Vieglais | 2018-01-17 19:58 | Documentation                 |
| 2123 | Infrastructure   | Task    | New         | Normal   | Description of serialVersion   | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 2944 | Infrastructure   | Story   | New         | Normal   | Design and implement a MN kill switch mechanism                                | Dave Vieglais | 2018-01-17 20:30 | Support Operations            |
| 2169 | Infrastructure   | Task    | In Progress | Normal   | Design content and layout for status page                                      | Dave Vieglais | 2012-03-14 20:40 | d1_monitor                    |
| 7155 | OGC-Slender Node | Task    | New         | Normal   | Design the connector, including sources of key information                     | Dave Vieglais | 2015-06-05 11:42 |                               |
| 7146 | OGC-Slender Node | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services                  | Dave Vieglais | 2015-06-05 13:37 |                               |
| 7148 | OGC-Slender Node | Task    | In Progress | Normal   | Determine formatId for science metadata  | Dave Vieglais | 2015-09-22 16:27 |                               |

| #    | Project          | Tracker      | Status      | Priority | Subject   | Assignee      | Updated          | Category                      |
|------|------------------|--------------|-------------|----------|---|---------------|------------------|-------------------------------|
| 2688 | Infrastructure   | Task         | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison                    | Dave Vieglais | 2014-09-24 18:27 | Documentation                 |
| 7559 | Infrastructure   | Story        | New         | Normal   | Develop plan for securing application passwords in the CN stack   | Dave Vieglais | 2018-01-17 19:34 | Architecture Design           |
| 8780 | Infrastructure   | Feature      | New         | Normal   | Develop support for DataCite 4.0 and 4.1 and 4.2  | Dave Vieglais | 2019-03-30 20:38 | d1_indexer                    |
| 7176 | Infrastructure   | Task         | New         | Normal   | Develop textual documentation for certificate management  | Dave Vieglais | 2015-06-10 01:33 | Documentation                 |
| 7177 | Infrastructure   | Task         | New         | Normal   | Develop video documentation for certificate management  | Dave Vieglais | 2015-06-10 01:33 | Documentation                 |
| 6167 | Infrastructure   | Task         | New         | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case                      | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 8238 | Infrastructure   | Task         | New         | Normal   | Document contacts and procedure for using KU ORCID membership API key   | Dave Vieglais | 2018-01-09 02:22 | Authentication, Authorization |
| 2033 | Infrastructure   | Task         | New         | Normal   | Document hardware / CN administrators and their contact info  | Dave Vieglais | 2014-09-24 18:29 | Management                    |
| 3308 | Infrastructure   | Task         | New         | Normal   | Document the process for removing content contributed from a specific member node and/or the entire member node | Dave Vieglais | 2014-03-14 18:29 | Support Operations            |
| 2030 | Infrastructure   | Task         | New         | Normal   | Document the structure and interconnections of VM host hardware at UNM  | Dave Vieglais | 2014-09-24 18:29 | Hardware                      |
| 2028 | Infrastructure   | Task         | New         | Normal   | Document VM specifications for CNs  | Dave Vieglais | 2014-09-24 18:29 | Management                    |
| 2029 | Infrastructure   | Task         | New         | Normal   | Document VM specifications for replication MNs  | Dave Vieglais | 2014-09-24 18:29 | Management                    |
| 8109 | Infrastructure   | Story        | New         | Normal   | Does authentication token need to include group information?  | Dave Vieglais | 2018-01-17 18:45 | Authentication, Authorization |
| 8367 | Infrastructure   | Story        | New         | Normal   | Duplicate jenkins jobs from UNM to UCSB   | Dave Vieglais | 2019-01-22 19:25 | Support Operations            |
| 7169 | OGC-Slender Node | Task         | New         | Normal   | Enable tracking of obsoletes / obsoleted by for data objects  | Dave Vieglais | 2015-06-08 19:01 |                               |
| 7298 | Python Libraries | Bug          | New         | Normal   | escapeQueryTerm should be a module method not a class method  | Dave Vieglais | 2015-08-18 15:06 | d1_libclient_python           |
| 7170 | OGC-Slender Node | Story        | New         | Normal   | Evaluate the feasibility of extracting provenance information from the journal.txt document                     | Dave Vieglais | 2015-06-08 21:28 |                               |
| 2794 | Infrastructure   | Task         | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"                          | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 7127 | DataONE API      | Task         | New         | Normal   | Finalize CNAAuthentication interface  | Dave Vieglais | 2015-05-21 19:31 | api_documentation             |
| 8749 | CN REST          | Story        | New         | Normal   | Fix log aggregation events from the CN without associated CN IPs  | Dave Vieglais | 2019-05-01 22:25 |                               |
| 8847 | Member Nodes     | MNDeployment | In Review   | Normal   | Freshwater Research and Environmental Database (IGBFRED)  | Dave Vieglais | 2019-10-17 19:23 |                               |
| 3333 | Infrastructure   | Task         | New         | Low      | Generalize mk_* scripts for host name   | Dave Vieglais | 2012-10-11 18:50 | Support Operations            |
| 7151 | OGC-Slender Node | Story        | In Progress | Normal   | Generate system metadata for content  | Dave Vieglais | 2015-06-08 18:58 |                               |



| #    | Project          | Tracker      | Status      | Priority | Subject   | Assignee    | Updated          | Category               |
|------|------------------|--------------|-------------|----------|---|-------------|------------------|------------------------|
| 7168 | OGC-Slender Node | Task         | New         | Normal   | Generate system metadata for data objects   | Dave Viegla | 2015-06-08 18:59 |                        |
| 7167 | OGC-Slender Node | Task         | New         | Normal   | Generate system metadata for science metadata   | Dave Viegla | 2015-06-08 18:58 |                        |
| 4730 | Member Nodes     | MNDeployment | Testing     | Normal   | Global Biodiversity Information Facility  | Dave Viegla | 2018-09-26 19:45 |                        |
| 7716 | Infrastructure   | Story        | In Progress | Normal   | How to facilitate resubmission of sync Failures?  | Dave Viegla | 2018-01-17 19:22 | d1_synchronization     |
| 3810 | Infrastructure   | Task         | New         | Normal   | Identify and setup location for user oriented operational docs                                | Dave Viegla | 2014-09-24 18:27 | Support Operations     |
| 1442 | DataONE API      | Task         | New         | Normal   | Identify monitoring and logging use cases and requirements                                    | Dave Viegla | 2015-01-19 23:06 |                        |
| 1443 | DataONE API      | Task         | New         | Normal   | Identify operational requirements for monitoring and logging                                  | Dave Viegla | 2015-01-19 23:06 |                        |
| 8035 | Member Nodes     | MNDeployment | Operational | Normal   | IEDA_EarthChem Library (Interdisciplinary Earth Data Alliance)                                | Dave Viegla | 2019-05-06 14:25 |                        |
| 8704 | Member Nodes     | MNDeployment | Operational | Normal   | IEDA_Marine-Geo Digital Library (Interdisciplinary Earth Data Alliance)                       | Dave Viegla | 2019-05-14 13:47 |                        |
| 8721 | Member Nodes     | MNDeployment | Operational | Normal   | IEDA_US Antarctic Program Data Center (Interdisciplinary Earth Data Alliance)                 | Dave Viegla | 2019-05-14 13:46 |                        |
| 7149 | OGC-Slender Node | Story        | Testing     | Normal   | Implement mechanism to retrieve a list of objects available from repository                   | Dave Viegla | 2015-06-05 13:37 |                        |
| 7199 | Python GMN       | Task         | New         | Normal   | Implement support for token authentication approach   | Dave Viegla | 2016-03-25 01:27 |                        |
| 7767 | Infrastructure   | Task         | New         | Normal   | In DataONE search results, move map display to map extent                                     | Dave Viegla | 2016-05-04 18:31 |                        |
| 8824 | Infrastructure   | Task         | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs  | Dave Viegla | 2019-06-19 12:11 |                        |
| 3512 | Infrastructure   | Task         | New         | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes | Dave Viegla | 2013-01-23 16:34 | Environment.Production |
| 8771 | CN REST          | Story        | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`   | Dave Viegla | 2019-03-05 19:43 | d1_cn_rest             |
| 8213 | Member Nodes     | Story        | New         | Normal   | KUBI node is not responding as a MN   | Dave Viegla | 2017-11-06 22:18 |                        |
| 3108 | Infrastructure   | Task         | New         | Normal   | lastHarvested date is always equal to the current time.                                       | Dave Viegla | 2012-07-30 22:11 |                        |
| 8602 | Infrastructure   | Story        | New         | Normal   | Log aggregation and augmentation process mid 2018 updates                                     | Dave Viegla | 2018-06-07 20:49 | d1_log_aggregation     |
| 8603 | Infrastructure   | Bug          | New         | Normal   | log aggregation incorrectly assigning location information                                    | Dave Viegla | 2018-06-07 20:52 | d1_log_aggregation     |
| 7688 | Infrastructure   | Bug          | New         | Normal   | LogAggregation unable to change BaseURLs upon updateNodeCapabilities notification             | Dave Viegla | 2018-01-02 12:02 | d1_log_aggregation     |
| 3185 | Member Nodes     | Task         | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN                                    | Dave Viegla | 2012-09-05 02:12 |                        |
| 7605 | Infrastructure   | Story        | New         | Normal   | MemberNodes not authorizing CN to harvest log records   | Dave Viegla | 2018-01-17 19:33 | Environment.Production |
| 7920 | Infrastructure   | Story        | In Progress | Normal   | migrate apache2 authorization rules from 2.2 conforming to 2.4                                | Dave Viegla | 2018-01-17 18:59 | d1_cn_buildout         |
| 8366 | Infrastructure   | Story        | New         | Normal   | Migrate jenkins continuous integration from UNM to UCSB                                       | Dave Viegla | 2019-01-22 19:26 | Support Operations     |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee      | Updated          | Category               |
|------|----------------|--------------|-------------|----------|--|---------------|------------------|------------------------|
| 7279 | Infrastructure | Task         | New         | Normal   | MN implementation documentation - need document management solution  | Dave Vieglais | 2015-07-28 22:24 | Documentation          |
| 2793 | Infrastructure | Task         | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header  | Dave Vieglais | 2014-10-02 17:21 | Documentation          |
| 4723 | Infrastructure | Task         | New         | Normal   | MN recognition of CN   | Dave Vieglais | 2014-10-02 17:21 |                        |
| 2646 | Infrastructure | Task         | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()  | Dave Vieglais | 2014-10-02 17:21 | Documentation          |
| 2142 | Infrastructure | Task         | New         | Normal   | MNReplication.getReplica() - include PID in signature  | Dave Vieglais | 2014-10-02 17:21 | Documentation          |
| 2826 | Infrastructure | Task         | New         | Normal   | MNStorage.archive() - Permissions  | Dave Vieglais | 2014-10-02 17:21 | Documentation          |
| 2508 | Infrastructure | Task         | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.   | Dave Vieglais | 2014-10-02 17:21 | Documentation          |
| 2809 | Infrastructure | Task         | New         | Normal   | MNStorage.update() - Make behavior explicit  | Dave Vieglais | 2014-10-02 17:21 | Documentation          |
| 7139 | Python GMN     | Task         | In Review   | Normal   | modify postgres schema   | Dave Vieglais | 2016-03-25 01:27 |                        |
| 7838 | DataONE API    | Task         | New         | Normal   | Modify the obsolescence chain process to accommodate the use case where both old and new PIDs are present on the CN for v1 MNs | Dave Vieglais | 2016-06-29 02:20 |                        |
| 6478 | Infrastructure | Task         | New         | Normal   | move mncheck VM to a different VMhost  | Dave Vieglais | 2014-10-01 20:34 | MNWebChecker           |
| 8108 | Infrastructure | Support      | New         | Normal   | Must determine the state of replication auditing for when replicas on non-functioning MNs are still reported as complete       | Dave Vieglais | 2017-06-06 17:56 | d1_replication_auditor |
| 3228 | Member Nodes   | MNDeployment | Operational | Normal   | NCEI - National Centers for Environmental Information  | Dave Vieglais | 2019-07-08 16:28 |                        |
| 2827 | Infrastructure | Task         | In Progress | Normal   | nesting groups requires schema change*   | Dave Vieglais | 2015-06-25 22:00 | d1_schemas             |
| 3598 | Infrastructure | Task         | New         | Normal   | Node document subject description is a bit unclear   | Dave Vieglais | 2014-10-02 17:21 | Documentation          |
| 4192 | Infrastructure | Task         | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition   | Dave Vieglais | 2014-09-24 18:28 | Management             |
| 6759 | DataONE API    | Story        | New         | Normal   | ObjectFormat Management  | Dave Vieglais | 2015-01-19 23:17 |                        |
| 7407 | Infrastructure | Story        | In Progress | Normal   | object formats in the d1_common_java bootstrap list are inconsistent with production   | Dave Vieglais | 2016-03-15 16:49 | d1_indexer             |
| 3067 | Infrastructure | Task         | New         | Normal   | Old DAAC PIDs to archive   | Dave Vieglais | 2013-01-02 14:14 | mn.Mercury             |
| 3099 | Infrastructure | Decision     | New         | Normal   | ONE-Mercury display of data set citation   | Dave Vieglais | 2012-07-23 21:24 | d1_mercury             |
| 7839 | DataONE API    | Task         | New         | Normal   | Online documentation places synchronize in CNRead api  | Dave Vieglais | 2016-12-21 09:04 | api_documentation      |
| 6069 | Infrastructure | Story        | New         | Normal   | open ask.dataone.org sign-in to community  | Dave Vieglais | 2014-10-01 20:39 | Documentation          |
| 7850 | Infrastructure | Task         | New         | Normal   | Passing SID to MNRead.systemMetadataChanged()  | Dave Vieglais | 2016-07-20 20:00 |                        |
| 3519 | Member Nodes   | MNDeployment | New         | Low      | Prairie Research Institute   | Dave Vieglais | 2015-11-19 17:00 |                        |
| 2593 | Infrastructure | Task         | New         | Normal   | Prepare science data and metadata content for the workshop   | Dave Vieglais | 2012-04-09 22:52 |                        |

| #    | Project          | Tracker      | Status      | Priority | Subject  | Assignee    | Updated          | Category           |
|------|------------------|--------------|-------------|----------|--|-------------|------------------|--------------------|
| 8583 | DataONE API      | Feature      | New         | Normal   | Provide some mechanism for diagnosing correctness of MN certificates                                     | Dave Viegla | 2018-05-02 03:18 |                    |
| 8823 | Infrastructure   | Story        | New         | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                                | Dave Viegla | 2019-06-19 02:43 |                    |
| 8222 | Infrastructure   | Task         | New         | Normal   | reindex all isotc211 content in production to reflect final decisions from origin field mapping          | Dave Viegla | 2018-03-22 16:56 | d1_indexer         |
| 6071 | Infrastructure   | Story        | In Progress | Normal   | Release Notes and documentation  | Dave Viegla | 2018-01-17 19:53 | Documentation      |
| 6056 | Infrastructure   | Story        | New         | Normal   | remove log aggregation processing from d1-processing Linux service                                       | Dave Viegla | 2018-01-17 19:55 | d1_log_aggregation |
| 7425 | Python Libraries | Task         | New         | Normal   | Replace httplib low level use in RestClient with the requests library                                    | Dave Viegla | 2016-03-25 02:03 | d1_common_python   |
| 3529 | Member Nodes     | MNDeployment | Operational | Normal   | Replication instance at ORC  | Dave Viegla | 2018-08-31 15:21 |                    |
| 3530 | Member Nodes     | MNDeployment | Operational | Normal   | Replication instance at UCSB   | Dave Viegla | 2018-08-31 15:22 |                    |
| 3172 | Member Nodes     | MNDeployment | Operational | Normal   | Replication instance at UNM  | Dave Viegla | 2018-08-31 15:22 |                    |
| 8642 | Infrastructure   | Bug          | New         | Normal   | Replication tasks apparently not deleted from backing store in a timely fashion                          | Dave Viegla | 2018-07-05 12:11 | d1_replication     |
| 393  | Requirements     | Requirement  | New         | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.                     | Dave Viegla | 2010-09-06 20:27 | Requirement        |
| 580  | Requirements     | Requirement  | New         | Low      | (Requirement) All software developed on the project should be open source                                | Dave Viegla | 2010-04-15 22:57 |                    |
| 764  | Requirements     | Requirement  | New         | High     | (Requirement) Authentication and access control should be consistently available                         | Dave Viegla | 2010-09-06 20:32 | Requirement        |
| 763  | Requirements     | Requirement  | New         | High     | (Requirement) Authentication and authorization services are geographically replicated                    | Dave Viegla | 2010-09-06 20:52 | Requirement        |
| 772  | Requirements     | Requirement  | New         | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications | Dave Viegla | 2010-08-11 07:54 | Requirement        |
| 777  | Requirements     | Requirement  | New         | High     | (Requirement) Authorization rules should support common permission levels                                | Dave Viegla | 2010-09-06 20:49 | Requirement        |
| 769  | Requirements     | Requirement  | New         | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators    | Dave Viegla | 2010-09-06 03:02 | Requirement        |
| 770  | Requirements     | Requirement  | New         | High     | (Requirement) Authorization system should be able to express the pseudo-principal concepts like 'public' | Dave Viegla | 2010-08-11 00:41 | Requirement        |
| 820  | Requirements     | Requirement  | New         | High     | (Requirement) Common API for authentication and authorization operations                                 | Dave Viegla | 2010-09-06 21:23 | Requirement        |
| 390  | Requirements     | Requirement  | New         | High     | (Requirement) Consistent mechanism for identifying users   | Dave Viegla | 2010-09-06 20:50 | Requirement        |
| 391  | Requirements     | Requirement  | New         | High     | (Requirement) Enable different classes of users commensurate with their roles.                           | Dave Viegla | 2010-09-06 20:51 | Requirement        |
| 384  | Requirements     | Requirement  | New         | High     | (Requirement) Enable efficient mechanisms for users to discover content                                  | Dave Viegla | 2010-09-06 03:58 | d1_common_java     |

| #    | Project        | Tracker     | Status      | Priority | Subject  | Assignee      | Updated          | Category                      |
|------|----------------|-------------|-------------|----------|--|---------------|------------------|-------------------------------|
| 317  | Requirements   | Requirement | In Progress | Low      | (Requirement) Identifiers for all objects  | Dave Vieglais | 2010-03-15 22:12 |                               |
| 392  | Requirements   | Requirement | New         | High     | (Requirement) Identity and access control should be interoperable across datanets  | Dave Vieglais | 2010-09-06 20:31 | Requirement                   |
| 768  | Requirements   | Requirement | New         | High     | (Requirement) Need default authz policies that resolve problems associated with inaccessible principals  | Dave Vieglais | 2010-08-11 00:34 | Requirement                   |
| 822  | Requirements   | Requirement | New         | High     | (Requirement) Object access and manipulation should be responsive  | Dave Vieglais | 2010-09-06 20:27 | d1_common_java                |
| 821  | Requirements   | Requirement | New         | High     | (Requirement) Sponsor required functionality   | Dave Vieglais | 2010-09-06 03:28 | d1_common_java                |
| 318  | Requirements   | Requirement | New         | High     | (Requirement) Sponsor required Y1 functionality  | Dave Vieglais | 2010-09-06 03:24 | d1_common_java                |
| 795  | Requirements   | Requirement | New         | High     | (Requirement) System must support revocation of user permissions   | Dave Vieglais | 2010-08-29 20:45 | Requirement                   |
| 411  | Requirements   | Requirement | New         | High     | (Requirement) The infrastructure must survive destruction of one or more data storage nodes  | Dave Vieglais | 2010-09-06 03:10 | d1_common_java                |
| 765  | Requirements   | Requirement | New         | High     | (Requirement) Tools can access an API for authn and authz  | Dave Vieglais | 2010-09-06 20:30 | Requirement                   |
| 762  | Requirements   | Requirement | New         | High     | (Requirement) User identities can be derived from existing institutional directory services  | Dave Vieglais | 2010-09-06 03:01 | Requirement                   |
| 771  | Requirements   | Requirement | New         | High     | (Requirement) User identities should have simple string serializations that express both the user identity and namespace from which it is drawn      | Dave Vieglais | 2010-09-06 03:12 | Requirement                   |
| 761  | Requirements   | Requirement | New         | High     | (Requirement) Users can specify authorization rules for data objects, science metadata objects, and process artifacts separately                     | Dave Vieglais | 2010-09-06 03:06 | Requirement                   |
| 767  | Requirements   | Requirement | New         | High     | (Requirement) Users need to be able to express embargo rules for data  | Dave Vieglais | 2010-08-11 00:16 | Requirement                   |
| 766  | Requirements   | Requirement | New         | High     | (Requirement) Users should be able to easily assign proxy privileges to other users and to systems acting on their behalf for limited time durations | Dave Vieglais | 2010-08-11 00:11 | Requirement                   |
| 7140 | Python GMN     | Task        | In Review   | Normal   | Resolve sids to pids   | Dave Vieglais | 2016-03-25 01:27 |                               |
| 3720 | Infrastructure | Story       | New         | Normal   | resource maps should be validated  | Dave Vieglais | 2018-01-17 20:17 | Documentation                 |
| 3901 | Infrastructure | Task        | New         | Normal   | Review Mozilla Persona as an alternative for identity management   | Dave Vieglais | 2013-08-09 11:57 | Documentation                 |
| 3891 | Infrastructure | Task        | New         | Normal   | review vulnerability to BREACH attacks   | Dave Vieglais | 2013-08-07 15:01 | Authentication, Authorization |
| 3332 | Infrastructure | Task        | In Progress | Normal   | Revise use cases and add sample code   | Dave Vieglais | 2014-09-24 18:27 | Documentation                 |
| 7918 | CN REST        | Bug         | New         | Normal   | SEAD object only partially synchronized - missing autogen.2016092916012224122 document from /var/metacat/documents                                   | Dave Vieglais | 2016-10-21 18:00 | cn_metacat                    |
| 2810 | Infrastructure | Task        | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect   | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 1762 | Infrastructure | Task        | New         | Normal   | Sketch CN components and associations  | Dave Vieglais | 2014-10-02 17:40 |                               |

| #    | Project                 | Tracker      | Status      | Priority | Subject   | Assignee      | Updated          | Category                |
|------|-------------------------|--------------|-------------|----------|---|---------------|------------------|-------------------------|
| 2227 | Infrastructure          | Task         | New         | Normal   | Specify valid mimetypes for responses   | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 2083 | Infrastructure          | Task         | New         | Normal   | Split the CN API into public and private sections   | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 3994 | Member Nodes            | Task         | New         | Normal   | Stories and bugs are showing up in the MN Dashboard; should be restricted to MNDeployment trackers      | Dave Vieglais | 2013-09-26 23:34 |                         |
| 7095 | Python GMN              | Story        | New         | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model                     | Dave Vieglais | 2016-03-25 02:30 |                         |
| 6543 | Infrastructure          | Story        | New         | Normal   | Support RIF-CS metadata standard  | Dave Vieglais | 2018-01-17 19:46 | Format ID               |
| 4098 | Infrastructure          | Task         | New         | Normal   | Synchronization should allow valid replicas held by MNs to set obsoletedBy and archive flags            | Dave Vieglais | 2014-07-31 22:23 | d1_synchronization      |
| 8076 | Infrastructure          | Bug          | New         | High     | sysmeta can not be retrieved for some objects   | Dave Vieglais | 2017-04-22 01:54 | dataone-cn-rest-service |
| 7967 | Infrastructure          | Bug          | In Progress | Normal   | The CN is not following the xml schema definition when creating dataone exceptions                      | Dave Vieglais | 2018-05-23 18:13 | Architecture Design     |
| 8195 | Infrastructure          | Bug          | In Progress | High     | Tomcat out of memory error  | Dave Vieglais | 2017-12-26 20:01 |                         |
| 7882 | Infrastructure          | Story        | In Progress | Normal   | Tune CN logfile management  | Dave Vieglais | 2018-01-17 19:03 |                         |
| 2172 | Infrastructure          | Task         | New         | Normal   | Types.DateTime: Example serialization without TZ designator   | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 1961 | Infrastructure          | Task         | New         | Normal   | Types.ErrorMessage - does not exist   | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 1983 | Infrastructure          | Task         | New         | Normal   | UC04 describes MNCORE.ping() with discovery capability  | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 3191 | Member Nodes            | MNDeployment | Deferred    | Normal   | UC Vertnet Member Node  | Dave Vieglais | 2017-01-31 14:54 |                         |
| 7096 | CN REST                 | Task         | New         | Normal   | Unexpectedly closed streams / disconnects on UNM network  | Dave Vieglais | 2015-05-12 17:49 |                         |
| 3728 | Infrastructure          | Task         | New         | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata | Dave Vieglais | 2014-09-24 18:27 | Documentation           |
| 4190 | Infrastructure          | Task         | New         | Normal   | Update architecture docs to import dataoneErrors.xsd  | Dave Vieglais | 2014-09-24 18:28 | Documentation           |
| 8368 | Infrastructure          | Story        | New         | Normal   | Update backup strategy for jenkins job configurations to subversion                                     | Dave Vieglais | 2019-01-22 19:25 | Support Operations      |
| 4189 | Infrastructure          | Task         | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation   | Dave Vieglais | 2017-01-14 00:24 | d1_schemas              |
| 7439 | MN Service Registration | Task         | New         | Normal   | Update the search interface to support rendering and other actions for services                         | Dave Vieglais | 2015-10-16 14:06 |                         |
| 8604 | Infrastructure          | Task         | New         | Normal   | Update the static IP lists for robots etc   | Dave Vieglais | 2018-06-07 20:56 | d1_log_aggregation      |
| 1986 | Infrastructure          | Task         | New         | Normal   | Update UC04 to use correct CN method for determining if a PID exists                                    | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 7183 | Infrastructure          | Story        | New         | Normal   | Update wild card server certificate on all test.dataone.org systems                                     | Dave Vieglais | 2015-06-15 15:10 | Support Operations      |
| 3380 | Infrastructure          | Task         | New         | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x   | Dave Vieglais | 2012-12-12 16:50 |                         |
| 7219 | Python GMN              | Story        | In Progress | Normal   | Upgrade Django version used by GMN, add better support for PUT operations                               | Dave Vieglais | 2016-03-25 01:24 |                         |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee        | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---|-----------------|------------------|-------------------------------|
| 8234 | Infrastructure | Story   | New         | Normal   | Use University of Kansas ORCID membership to support authentication in production environment                                       | Dave Vieglaiss  | 2018-01-09 19:10 | Authentication, Authorization |
| 6497 | Python GMN     | Feature | In Progress | Normal   | V2 GMN Support  | Dave Vieglaiss  | 2016-03-25 01:27 |                               |
| 8066 | Infrastructure | Task    | New         | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest  | Dave Vieglaiss  | 2017-04-11 23:47 | d1_indexer                    |
| 7930 | Member Nodes   | Task    | In Progress | Normal   | verify obsoletion in tDAR sandbox   | Dave Vieglaiss  | 2016-12-01 23:47 |                               |
| 2791 | Infrastructure | Task    | New         | Normal   | verify on dev machines  | Dave Vieglaiss  | 2012-05-21 17:41 | d1_cn_buildout                |
| 8369 | Infrastructure | Task    | New         | Normal   | Verify operation and transfer DNS   | Dave Vieglaiss  | 2018-02-15 17:40 |                               |
| 8232 | Member Nodes   | Task    | New         | Normal   | MN Dashboard/Website Deployment Workflow Documentation  | Dustin Allen    | 2018-01-08 23:30 |                               |
| 2594 | Infrastructure | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop  | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury                    |
| 7922 | Infrastructure | Task    | New         | Normal   | DataONE Accessibility   | Isis Serna      | 2016-10-31 23:05 |                               |
| 6048 | Member Nodes   | Task    | New         | Normal   | Fix 404 NotFound erros on the EDORA MN  | Jim Green       | 2014-11-24 14:57 |                               |
| 8173 | Infrastructure | Story   | New         | High     | add checks for retrograde systemMetadata changes  | Jing Tao        | 2018-01-17 18:38 | d1_indexer                    |
| 8587 | Member Nodes   | Task    | New         | Normal   | Add DataONE Logo to SanParks website  | Jing Tao        | 2018-05-09 21:19 |                               |
| 8184 | Infrastructure | Feature | New         | Normal   | a feature indicates to restart tomcat when hazelcast client died  | Jing Tao        | 2017-09-14 19:14 | Metacat                       |
| 4674 | Infrastructure | Bug     | New         | Urgent   | Ask Judith, Mike and Virginia Perez.2.1 to obsolete those pids which contain the white spaces.                                      | Jing Tao        | 2017-05-04 18:01 | d1_cn_service                 |
| 8739 | Infrastructure | Task    | In Progress | Normal   | Attempting to set ulimit results in error on UCSB systems   | Jing Tao        | 2018-11-08 15:10 | d1_process_daemon             |
| 8307 | Infrastructure | Story   | New         | Normal   | Check node subject on node registration and subsequent calls  | Jing Tao        | 2018-02-06 20:06 | d1_cn_node_registry           |
| 8010 | CN REST        | Bug     | New         | Normal   | CN.archive fails with 401 Unauthorized when using either MN or CN client certificate for PID with authoritative MN as urn:node:LTER | Jing Tao        | 2017-03-21 17:10 |                               |
| 8867 | CN REST        | Bug     | New         | High     | CNCore.listChecksumAlgorithms() returns incorrect list  | Jing Tao        | 2020-08-06 00:06 | d1_cn_rest                    |
| 8851 | Infrastructure | Story   | New         | Normal   | CN sends error doc with "pid" to v2 endpoint  | Jing Tao        | 2019-11-06 22:31 | d1_synchronization            |
| 8151 | Infrastructure | Task    | New         | Normal   | CNs should verify that the authoritativeMN listed in SystemMetadata is a valid MN   | Jing Tao        | 2017-07-19 21:32 |                               |
| 8817 | Infrastructure | Task    | New         | Normal   | Configure sitemaps on the CN  | Jing Tao        | 2020-03-12 18:30 |                               |
| 8070 | Infrastructure | Task    | New         | Normal   | Consolidate the index application-context files   | Jing Tao        | 2017-04-13 12:51 |                               |
| 7876 | Infrastructure | Feature | New         | Normal   | Create a new admin page for Metacat admins to register schemas  | Jing Tao        | 2016-12-21 09:11 | Metacat                       |
| 8857 | Infrastructure | Story   | New         | Normal   | D1Client.getCN() always get the production cn on the CN Tomcat context  | Jing Tao        | 2019-12-13 00:34 | dataone-cn-rest-service       |
| 8448 | Infrastructure | Bug     | New         | Normal   | d1_cn_index_tool doesn't reindex an pid from a given file   | Jing Tao        | 2018-03-02 22:06 | d1_indexer                    |
| 7933 | Infrastructure | Bug     | New         | Normal   | d1-index-task-processor stops processing task queue   | Jing Tao        | 2017-01-11 23:47 | d1_indexer                    |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee | Updated          | Category              |
|------|----------------|--------------|-------------|----------|--|----------|------------------|-----------------------|
| 8862 | Infrastructure | Story        | New         | Normal   | Deploy a new dataone-cn-rest release   | Jing Tao | 2020-04-23 16:24 |                       |
| 5988 | Infrastructure | Task         | New         | Normal   | Determine cause of ldap "server not responding" errors between prod CNs  | Jing Tao | 2014-07-22 23:18 | Hardware              |
| 7668 | Infrastructure | Story        | New         | Normal   | Determine how indexing of data packages should work  | Jing Tao | 2018-01-17 19:28 | d1_indexer            |
| 8196 | Infrastructure | Bug          | New         | Normal   | Duplicated replicas in the system metadata   | Jing Tao | 2017-10-18 17:19 | d1_replication        |
| 8849 | Infrastructure | Story        | New         | Normal   | During sync, the CN does not detect error returned from getChecksum()  | Jing Tao | 2019-11-06 22:07 |                       |
| 4278 | Infrastructure | Story        | New         | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements   | Jing Tao | 2018-01-17 20:04 | d1_indexer            |
| 8150 | Infrastructure | Task         | New         | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata  | Jing Tao | 2017-07-19 21:27 |                       |
| 7949 | Infrastructure | Task         | New         | Normal   | Ensure that there's no race condition where an entry can be added to "IN PROCESS" if it is already present           | Jing Tao | 2017-02-27 17:55 |                       |
| 8869 | Infrastructure | Story        | New         | Normal   | Equivalent identities show owning different amount of packages.  | Jing Tao | 2020-09-24 22:34 | d1_indexer            |
| 8469 | CN REST        | Task         | In Progress | Normal   | evaluate if ORCID API will continue to work after 1.2 is deprecated  | Jing Tao | 2018-03-22 16:54 | d1_portal_servlet     |
| 8733 | CN REST        | Bug          | New         | Normal   | Exception handling in ForesiteResourceMap needs improvement  | Jing Tao | 2018-10-12 20:09 | d1_cn_index_processor |
| 8500 | Infrastructure | Bug          | New         | High     | Geohash not calculated properly  | Jing Tao | 2018-03-14 17:06 | d1_indexer            |
| 7825 | Infrastructure | Bug          | New         | Normal   | Hazelcast service stops working after a while  | Jing Tao | 2016-06-07 18:53 | Metacat               |
| 8758 | Infrastructure | Story        | New         | Normal   | Index replicationStatus field  | Jing Tao | 2019-01-14 18:00 | d1_indexer            |
| 8570 | Infrastructure | Bug          | New         | Normal   | index task not generated for a newly synchronized object   | Jing Tao | 2018-04-20 20:51 | d1_indexer            |
| 8571 | Infrastructure | Bug          | In Progress | Normal   | IndexTool can't index a data object  | Jing Tao | 2018-04-23 20:13 | d1_indexer            |
| 3492 | Infrastructure | Bug          | In Progress | Urgent   | Invalid PIDs in production (whitespace)  | Jing Tao | 2017-04-27 15:31 | Support Operations    |
| 8770 | CN REST        | Story        | New         | Normal   | Issue with CN handling of encoded identifiers in object/meta/node/, others?  | Jing Tao | 2019-03-05 19:37 | d1_cn_rest            |
| 3554 | Member Nodes   | MNDeployment | Operational | High     | KNB  | Jing Tao | 2018-08-31 15:16 |                       |
| 8376 | Infrastructure | Feature      | New         | Normal   | Make the script file - insertOrUpdateObjectFormatList.sh (in metacat cn buildout) change the user name automatically | Jing Tao | 2018-02-21 22:48 | d1_cn_buildout        |
| 8470 | Infrastructure | Story        | New         | Normal   | Make the spring context of the d1_index_processor daemon more configurable   | Jing Tao | 2018-03-22 16:53 | d1_indexer            |
| 8811 | Infrastructure | Task         | New         | Normal   | Merge 2.3.9 changes to trunk   | Jing Tao | 2019-05-21 13:06 |                       |
| 8837 | Infrastructure | Story        | New         | Normal   | Merge the changes from metacat's feature-project-indexing branch to d1_cn_index_processor                            | Jing Tao | 2019-08-16 17:18 | d1_indexer            |
| 8224 | Infrastructure | Task         | New         | Normal   | metacat not promoting node token privs for solr  | Jing Tao | 2017-12-04 19:33 | Metacat               |
| 8097 | Infrastructure | Story        | New         | Normal   | Metacat (storage) and d1-synchronize both have the code to compute the checksum                                      | Jing Tao | 2018-01-09 19:10 | d1_synchronization    |

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee | Updated          | Category               |
|------|----------------|--------------|-------------|----------|---|----------|------------------|------------------------|
| 8772 | Member Nodes   | MNDeployment | Operational | Normal   | metaGRIL  | Jing Tao | 2019-10-08 17:16 |                        |
| 8380 | Infrastructure | Bug          | New         | Normal   | MN.update method doesn't check if the authoritativeMN is null on the system metadata of the new object                  | Jing Tao | 2018-03-02 21:53 | Metacat                |
| 8091 | Infrastructure | Task         | In Progress | Normal   | Mysterious sync failure of an eml object from the GOA node  | Jing Tao | 2017-05-09 21:33 | dataone-cn-os-core     |
| 7903 | CN REST        | Task         | New         | Normal   | Need to implement/support the default http methods - HEAD and GET on all DataONE API (both cn and mn)                   | Jing Tao | 2016-10-10 16:53 | d1_cn_rest             |
| 8821 | Infrastructure | Bug          | New         | Normal   | Object doi:10.18739/A2610VR7Z fails to index on CN  | Jing Tao | 2019-06-19 00:06 |                        |
| 8722 | Infrastructure | Bug          | New         | High     | Object in search index but systemmetadata is not available.   | Jing Tao | 2018-10-03 17:48 |                        |
| 6674 | Member Nodes   | MNDeployment | Operational | Normal   | OTS - Neotropical Data Center   | Jing Tao | 2019-06-10 13:03 |                        |
| 8026 | Infrastructure | Task         | Testing     | High     | Portal reaches the maximum capacity in a pool   | Jing Tao | 2017-03-14 00:36 | d1_portal_servlet      |
| 3748 | Member Nodes   | MNDeployment | Operational | Normal   | PPBIO Member Node   | Jing Tao | 2018-08-31 15:20 |                        |
| 8854 | Infrastructure | Story        | New         | Normal   | Put the system metadata part ahead of the object part when d1_libclient_java constructs the multipart                   | Jing Tao | 2019-11-22 18:25 | d1_libclient_java      |
| 8105 | Infrastructure | Task         | New         | Normal   | Remove dataone-mercury from production CNs  | Jing Tao | 2018-03-02 22:17 | d1_mercury             |
| 8379 | Infrastructure | Bug          | New         | Normal   | remove or improve AuthLdap.getGroups logging statement  | Jing Tao | 2018-02-27 16:51 | Metacat                |
| 8582 | CN REST        | Story        | New         | Normal   | Replica Auditing service is throwing errors   | Jing Tao | 2019-01-14 16:40 | d1_replication_auditor |
| 7936 | Infrastructure | Bug          | New         | Normal   | Same pid with different status exists in the index_task table   | Jing Tao | 2017-02-27 18:07 | d1_indexer             |
| 7570 | Infrastructure | Bug          | In Progress | Normal   | Search UI requests cause Out of Memory Error  | Jing Tao | 2017-04-26 21:01 | d1_indexer             |
| 8841 | Infrastructure | Story        | New         | Normal   | Solr Index processor don't parse the attributes on the otherEntity on an EML object                                     | Jing Tao | 2019-09-10 22:41 | d1_indexer             |
| 8737 | Infrastructure | Story        | New         | Normal   | Submitters and rights-holders with group permissions can't be granted authorization when the sync process validates sid | Jing Tao | 2018-11-28 17:12 | d1_synchronization     |
| 8864 | CN REST        | Story        | New         | Normal   | Synchronization does not register authoritative replica entry correctly   | Jing Tao | 2020-06-19 21:59 | d1_synchronization     |
| 8043 | Infrastructure | Bug          | New         | Normal   | The origin field for EML documents isn't properly extracted when references are used                                    | Jing Tao | 2019-02-12 18:45 | d1_indexer             |
| 3213 | Member Nodes   | MNDeployment | Operational | Normal   | University of Illinois, Chicago member node   | Jing Tao | 2020-01-23 22:42 |                        |
| 8246 | Member Nodes   | Task         | New         | Normal   | Upgrade metacat to the latest version   | Jing Tao | 2018-04-23 16:09 |                        |
| 8782 | Infrastructure | Story        | New         | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao | 2019-03-22 18:12 |                        |
| 8104 | Infrastructure | Task         | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat   | Jing Tao | 2017-06-02 20:58 | Metacat                |
| 8102 | Infrastructure | Task         | New         | Normal   | Upgrade postgresql jdbc jar file on Portal  | Jing Tao | 2017-06-02 20:53 | d1_portal              |
| 8103 | Infrastructure | Task         | New         | Normal   | Upgrade the postgresql jdbc jar file on the cn context  | Jing Tao | 2017-06-02 20:56 | d1_cn_service          |
| 7935 | Infrastructure | Task         | New         | Normal   | Use a dedicated hazelcast queue as the listener to generate index task  | Jing Tao | 2017-02-27 18:07 | d1_indexer             |



| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee     | Updated          | Category               |
|------|----------------|--------------|-------------|----------|---|--------------|------------------|------------------------|
| 8850 | Infrastructure | Bug          | New         | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong                         | Jing Tao     | 2019-11-06 18:32 | d1_indexer             |
| 8796 | Infrastructure | Story        | New         | Normal   | Various issues with service access after upgrade to 18.04   | Jing Tao     | 2019-05-21 12:38 |                        |
| 8247 | Member Nodes   | Task         | New         | Normal   | Verify upgraded metacat is operating correctly as a production member node.                         | Jing Tao     | 2018-02-02 15:49 |                        |
| 4116 | Member Nodes   | Task         | In Progress | Normal   | Work with FRIM to upgrade Metacat to 2.2.1 or later   | Jing Tao     | 2015-01-23 19:02 |                        |
| 3410 | Member Nodes   | Task         | New         | Normal   | Develop a Redmine Cheatsheet to help with a wider REDMine user community interacting with MN issues | John Cobb    | 2012-11-30 19:36 |                        |
| 3230 | Member Nodes   | MNDeployment | Planning    | Normal   | ARM - Atmospheric Radiation Measurement member node   | John Evans   | 2019-11-25 20:10 |                        |
| 8829 | Member Nodes   | Task         | New         | High     | get DKAN connected to GMN   | John Evans   | 2019-09-03 13:24 |                        |
| 7865 | Member Nodes   | MNDeployment | Planning    | Normal   | Hydroshare (CUAHSI)   | John Evans   | 2019-09-17 14:33 |                        |
| 8830 | Member Nodes   | Task         | New         | Normal   | Requirements Analysis   | John Evans   | 2019-08-06 14:44 |                        |
| 8683 | Member Nodes   | Story        | New         | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN  | John Evans   | 2019-05-15 14:03 |                        |
| 8835 | Member Nodes   | Story        | New         | Normal   | Add ability for scanner to stop after a certain number of errors                                    | John Evans   | 2019-08-12 19:16 |                        |
| 8832 | Member Nodes   | Story        | New         | Normal   | Conflict between pyshacl and owl on ubuntu  | John Evans   | 2019-08-05 19:32 |                        |
| 8831 | Member Nodes   | Story        | New         | Normal   | Import error with schema_org.data   | John Evans   | 2019-08-05 18:57 |                        |
| 8833 | Member Nodes   | Story        | New         | Normal   | Problems utilizing pyshacl within SlenderNodes  | John Evans   | 2019-08-09 18:20 |                        |
| 3596 | Infrastructure | Task         | New         | Normal   | Fix Merritt Repository resource map typing of triple objects  | John Kunze   | 2013-02-19 02:27 | mn.Merritt             |
| 7052 | Member Nodes   | MNDeployment | New         | Low      | BaMBa - Brazilian Marine Biodiversity Database  | Laura Moyers | 2015-11-19 17:03 |                        |
| 3633 | Member Nodes   | MNDeployment | New         | Low      | Bay Delta Member Node   | Laura Moyers | 2015-11-19 19:44 |                        |
| 6562 | Member Nodes   | MNDeployment | Operational | Normal   | BCO-DMO   | Laura Moyers | 2021-12-04 00:47 |                        |
| 3684 | Member Nodes   | MNDeployment | New         | Low      | Branner Earth Sciences Library - Stanford University  | Laura Moyers | 2015-11-19 19:04 |                        |
| 3558 | Member Nodes   | MNDeployment | Operational | High     | CDL Merritt   | Laura Moyers | 2018-08-23 17:05 |                        |
| 7046 | Member Nodes   | Task         | New         | High     | Certificate DC=org,DC=dataone,CN=osu.piscoweb.org expires in Prod environment                       | Laura Moyers | 2015-04-20 16:54 |                        |
| 7851 | Member Nodes   | MNDeployment | New         | Low      | CESAB - Center for Synthesis and Analysis for Biodiversity  | Laura Moyers | 2018-04-17 17:19 |                        |
| 3537 | Member Nodes   | Task         | New         | Normal   | Contact followup on Citsci.org MN prospect  | Laura Moyers | 2014-03-28 18:03 |                        |
| 7641 | Infrastructure | Task         | New         | Normal   | contact ONEShare  | Laura Moyers | 2016-02-12 16:40 | Environment.Production |
| 7612 | Infrastructure | Task         | In Progress | Normal   | Contact ORNLDAAC  | Laura Moyers | 2016-02-11 18:02 | Environment.Production |
| 4045 | Member Nodes   | Task         | In Progress | Normal   | Conversation with Laura/Mike re USGS ScienceBase planning   | Laura Moyers | 2014-05-30 19:45 |                        |
| 3560 | Member Nodes   | MNDeployment | Operational | Normal   | Cornell Lab of Ornithology eBird  | Laura Moyers | 2018-08-06 21:12 |                        |
| 7549 | Member Nodes   | MNDeployment | New         | Low      | COS - the Center for Open Science   | Laura Moyers | 2018-04-17 17:20 |                        |
| 5453 | Member Nodes   | MNDeployment | Deferred    | Normal   | Dataverse   | Laura Moyers | 2018-07-24 16:41 |                        |

| #    | Project      | Tracker      | Status      | Priority | Subject  | Assignee     | Updated          | Category |
|------|--------------|--------------|-------------|----------|--|--------------|------------------|----------|
| 3690 | Member Nodes | MNDeployment | New         | Low      | Digital Library of Vertebrate Morphology, University of Texas    | Laura Moyers | 2015-11-19 17:53 |          |
| 3118 | Member Nodes | MNDeployment | Operational | Urgent   | Dryad Member Node  | Laura Moyers | 2019-03-05 18:37 |          |
| 7512 | Member Nodes | MNDeployment | New         | Normal   | ECOSCOPE - Network of Research Observatories on Biodiversity     | Laura Moyers | 2016-07-22 12:40 |          |
| 7956 | Member Nodes | MNDeployment | Operational | Normal   | Environmental Data Initiative (EDI)                              | Laura Moyers | 2018-11-13 19:14 |          |
| 3681 | Member Nodes | MNDeployment | New         | Normal   | EPA's Atlantic Ecology Division                                  | Laura Moyers | 2016-06-23 00:10 |          |
| 7551 | Member Nodes | MNDeployment | New         | Normal   | FAO - Food and Agriculture Organization of the UN                | Laura Moyers | 2015-12-15 15:08 |          |
| 3680 | Member Nodes | MNDeployment | New         | Low      | Federal University of Pernambuco, Brazil                         | Laura Moyers | 2015-11-19 19:34 |          |
| 4013 | Member Nodes | Task         | New         | Normal   | Follow-up on plans for TERN following Oct ILTER meeting in Korea | Laura Moyers | 2014-02-20 21:58 |          |
| 4083 | Member Nodes | MNDeployment | Deferred    | Normal   | Forest Research Institute Malaysia (FRIM)                        | Laura Moyers | 2016-06-17 19:31 |          |
| 8009 | Member Nodes | MNDeployment | New         | Low      | Geometabolome  | Laura Moyers | 2018-04-17 17:22 |          |
| 7992 | Member Nodes | Task         | New         | Normal   | GINA: Document and Announce                                      | Laura Moyers | 2017-01-27 22:19 |          |
| 7991 | Member Nodes | Task         | New         | Normal   | GINA: Ensure MN appears on Current MNs webpage (dashboard)       | Laura Moyers | 2017-01-27 22:19 |          |
| 7985 | Member Nodes | Task         | New         | Normal   | GINA: Establish DataONE user identity in Production              | Laura Moyers | 2017-01-27 22:15 |          |
| 7978 | Member Nodes | Task         | New         | Normal   | GINA: Establish DataONE user identity in Testing Environment     | Laura Moyers | 2017-01-27 18:44 |          |
| 7990 | Member Nodes | Task         | New         | Normal   | GINA: Mutual acceptance  | Laura Moyers | 2017-01-27 22:18 |          |
| 7976 | Member Nodes | Task         | New         | Normal   | GINA: Register any new object formats in all environments        | Laura Moyers | 2017-01-27 18:45 |          |
| 7988 | Member Nodes | Task         | New         | Normal   | GINA: Register MN in Production                                  | Laura Moyers | 2017-01-27 22:16 |          |
| 7981 | Member Nodes | Task         | New         | Normal   | GINA: Register MN in Testing Environment                         | Laura Moyers | 2017-01-27 18:47 |          |
| 7984 | Member Nodes | Task         | New         | Normal   | GINA: Show MN as "upcoming" on the dashboard                     | Laura Moyers | 2017-01-27 22:13 |          |
| 7989 | Member Nodes | Task         | New         | Normal   | GINA: Verify CN Content and Services in Production               | Laura Moyers | 2017-01-27 22:18 |          |
| 7982 | Member Nodes | Task         | New         | Normal   | GINA: Verify CN Content and Services in Testing Environment      | Laura Moyers | 2017-01-27 18:59 |          |
| 7987 | Member Nodes | Task         | New         | Normal   | GINA: Verify MN Content and Services in Production               | Laura Moyers | 2017-01-27 22:16 |          |
| 7980 | Member Nodes | Task         | New         | Normal   | GINA: Verify MN Content and Services in Testing Environment      | Laura Moyers | 2017-01-27 18:46 |          |
| 3480 | Member Nodes | MNDeployment | New         | Low      | Globe.gov  | Laura Moyers | 2018-04-17 17:23 |          |
| 7051 | Member Nodes | MNDeployment | Operational | Normal   | GRIIDC - Gulf of Mexico Research Initiative                      | Laura Moyers | 2018-09-25 17:14 |          |
| 3531 | Member Nodes | MNDeployment | Operational | Normal   | Gulf of Alaska Data Portal                                       | Laura Moyers | 2018-05-15 17:40 |          |
| 6382 | Member Nodes | Task         | In Progress | Normal   | ICMBIO: Determine feasibility                                    | Laura Moyers | 2015-11-19 17:21 |          |
| 7552 | Member Nodes | MNDeployment | New         | Normal   | iDigBio - Integrated Digitized Biocollections                    | Laura Moyers | 2016-01-05 23:45 |          |

| #    | Project        | Tracker      | Status      | Priority  | Subject  | Assignee      | Updated          | Category               |
|------|----------------|--------------|-------------|-----------|--|---------------|------------------|------------------------|
| 4224 | Member Nodes   | MNDeployment | New         | Low       | Japan Long Term Ecological Research Network                                  | Laura Moyers  | 2015-11-19 00:52 |                        |
| 3664 | Member Nodes   | MNDeployment | New         | High      | Landcare Research New Zealand  | Laura Moyers  | 2015-11-19 19:39 |                        |
| 4046 | Member Nodes   | Task         | In Progress | Normal    | Laura to check with Mike re USGS-NWRC planning                               | Laura Moyers  | 2013-11-03 21:43 |                        |
| 3232 | Member Nodes   | MNDeployment | Operational | High      | LTER-EUROPE  | Laura Moyers  | 2018-11-21 16:58 |                        |
| 7607 | Infrastructure | Task         | New         | Normal    | LTER_EUROPE refuses the production CN from harvesting log records            | Laura Moyers  | 2016-06-09 16:34 | Environment.Production |
| 7924 | Member Nodes   | MNDeployment | New         | Normal    | LTER-Spain network   | Laura Moyers  | 2016-11-21 14:49 |                        |
| 3708 | Member Nodes   | MNDeployment | Operational | Normal    | Minnesota Population Center  | Laura Moyers  | 2018-08-06 19:43 |                        |
| 7666 | Infrastructure | Bug          | New         | Normal    | mnTestMPC repeating attempts to set replica status to FAILED                 | Laura Moyers  | 2016-02-25 21:44 | Environment.Stage1     |
| 3686 | Member Nodes   | MNDeployment | Deferred    | Normal    | Movebank for Animal Tracking Data  | Laura Moyers  | 2013-12-05 19:31 |                        |
| 3685 | Member Nodes   | MNDeployment | New         | Low       | National SocioEnvironmental Synthesis Center                                 | Laura Moyers  | 2015-11-19 17:58 |                        |
| 7606 | Infrastructure | Task         | In Progress | Normal    | NRDC does not trust the CN certificate for log harvesting                    | Laura Moyers  | 2016-04-06 16:14 | Environment.Production |
| 6853 | Member Nodes   | MNDeployment | New         | High      | OBIS (Ocean Biogeographic Information System)                                | Laura Moyers  | 2015-11-19 17:46 |                        |
| 7640 | Infrastructure | Story        | New         | Normal    | ONEShare failing with ServiceFailure   | Laura Moyers  | 2016-02-12 16:39 | Environment.Production |
| 7553 | Member Nodes   | MNDeployment | New         | Normal    | OOI - Ocean Observatories Initiative   | Laura Moyers  | 2018-01-25 17:51 |                        |
| 3844 | Member Nodes   | MNDeployment | New         | Normal    | Oregon Explorer program at OSU   | Laura Moyers  | 2015-11-19 17:22 |                        |
| 7611 | Infrastructure | Story        | New         | Normal    | ORNLDAAC fails during log aggregation  | Laura Moyers  | 2016-01-26 16:39 | Environment.Production |
| 3553 | Member Nodes   | MNDeployment | Operational | High      | PISCO  | Laura Moyers  | 2018-01-10 01:13 |                        |
| 3555 | Member Nodes   | MNDeployment | Operational | High      | SANParks   | Laura Moyers  | 2018-05-09 21:19 |                        |
| 7712 | Infrastructure | Story        | New         | Normal    | Sanparks fails during LogAggregation   | Laura Moyers  | 2016-04-06 16:43 | Environment.Production |
| 3521 | Member Nodes   | MNDeployment | Operational | Immediate | SEAD Member Node   | Laura Moyers  | 2019-06-05 17:46 |                        |
| 6359 | Member Nodes   | MNDeployment | New         | Low       | SiBBr  | Laura Moyers  | 2015-11-19 17:20 |                        |
| 4296 | Member Nodes   | MNDeployment | New         | Normal    | Sierra Nevada Global Change Observatory Member Node                          | Laura Moyers  | 2017-01-30 17:01 |                        |
| 6485 | Member Nodes   | MNDeployment | Operational | High      | The Digital Archaeology Record (tDAR)  | Laura Moyers  | 2019-10-09 02:24 |                        |
| 4227 | Member Nodes   | MNDeployment | New         | Low       | TRY Plant Trait Database   | Laura Moyers  | 2015-11-19 15:40 |                        |
| 8030 | Member Nodes   | MNDeployment | New         | Normal    | UCAR Research Data Archive   | Laura Moyers  | 2018-04-16 17:39 |                        |
| 7048 | Member Nodes   | MNDeployment | Deferred    | Low       | USGS Regional Climate Centers  | Laura Moyers  | 2016-06-17 19:32 |                        |
| 7082 | Member Nodes   | MNDeployment | Operational | Normal    | USGS Science Data Catalog (SDC)  | Laura Moyers  | 2018-10-09 16:27 |                        |
| 5450 | Member Nodes   | Task         | In Progress | Normal    | (Waiting for) USC to complete development of MN stack (derived from GMN)     | Laura Moyers  | 2018-08-31 15:26 |                        |
| 7550 | Member Nodes   | Task         | New         | Normal    | GoA portal not copying to KNB  | Lauren Walker | 2015-12-14 21:41 |                        |
| 7899 | Member Nodes   | Task         | New         | Normal    | R2R: modify searchUI to accommodate composite data density with cruise paths | Lauren Walker | 2016-10-05 03:51 |                        |

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee         | Updated          | Category |
|------|----------------|--------------|-------------|----------|---|------------------|------------------|----------|
| 7900 | Member Nodes   | Task         | New         | Normal   | R2R: modify searchUI to accommodate cruise path display for single data package | Lauren Walker    | 2016-10-04 23:43 |          |
| 3236 | Member Nodes   | MNDeployment | New         | Normal   | UCNRS member node   | Mark Schildhauer | 2013-01-30 20:59 |          |
| 1159 | Infrastructure | Task         | In Progress | Normal   | Add description of Group creation and management to design specs.               | Matthew Jones    | 2014-10-01 20:47 |          |
| 1527 | Infrastructure | Task         | New         | Normal   | Allow AccessPolicy to be set for groups   | Matthew Jones    | 2014-10-01 20:47 |          |
| 7629 | Member Nodes   | MNDeployment | Operational | Normal   | Arctic Data Center - Data and Software about the Arctic                         | Matthew Jones    | 2018-01-10 17:53 |          |

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