

## Issues

| #    | Project        | Tracker      | Status      | Priority  | Subject   | Assignee       | Updated          | Category           |
|------|----------------|--------------|-------------|-----------|---|----------------|------------------|--------------------|
| 3521 | Member Nodes   | MNDeployment | Operational | Immediate | SEAD Member Node  | Laura Moyers   | 2019-06-05 17:46 |                    |
| 4210 | Infrastructure | Task         | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()                          | Chris Jones    | 2013-12-20 16:12 | Metacat            |
| 3118 | Member Nodes   | MNDeployment | Operational | Urgent    | Dryad Member Node   | Laura Moyers   | 2019-03-05 18:37 |                    |
| 3492 | Infrastructure | Bug          | In Progress | Urgent    | Invalid PIDs in production (whitespace)   | Jing Tao       | 2017-04-27 15:31 | Support Operations |
| 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      |
| 8696 | Infrastructure | Bug          | New         | Urgent    | double indexing of a resource map and another not processed because of resource contention (lock) on member | Rob Nahf       | 2018-09-12 00:22 | d1_indexer         |
| 3221 | Member Nodes   | MNDeployment | Operational | High      | EDAC member node  | Amy Forrester  | 2018-08-31 15:15 |                    |
| 3232 | Member Nodes   | MNDeployment | Operational | High      | LTER-EUROPE   | Laura Moyers   | 2018-11-21 16:58 |                    |
| 3238 | Member Nodes   | MNDeployment | Operational | High      | Idaho Northwest Knowledge Network member node   | Amy Forrester  | 2019-10-08 15:14 |                    |
| 3553 | Member Nodes   | MNDeployment | Operational | High      | PISCO   | Laura Moyers   | 2018-01-10 01:13 |                    |
| 3554 | Member Nodes   | MNDeployment | Operational | High      | KNB   | Jing Tao       | 2018-08-31 15:16 |                    |
| 3555 | Member Nodes   | MNDeployment | Operational | High      | SANParks  | Laura Moyers   | 2018-05-09 21:19 |                    |
| 3556 | Member Nodes   | MNDeployment | Operational | High      | ESA Data Registry   | Amy Forrester  | 2019-10-08 15:28 |                    |
| 3558 | Member Nodes   | MNDeployment | Operational | High      | CDL Merritt   | Laura Moyers   | 2018-08-23 17:05 |                    |
| 6485 | Member Nodes   | MNDeployment | Operational | High      | The Digital Archaeology Record (tDAR)   | Laura Moyers   | 2019-10-09 02:24 |                    |
| 6544 | Member Nodes   | MNDeployment | Operational | High      | TERN Australia (powered by AEKOS)   | Bruce Wilson   | 2019-05-22 14:21 |                    |
| 6548 | Member Nodes   | MNDeployment | Operational | High      | R2R Repository  | Monica Ihli    | 2018-07-26 13:49 |                    |
| 7686 | Member Nodes   | Task         | Testing     | High      | tDAR - Enable URL links out to data from search results   | Ben Leinfelder | 2016-09-27 15:56 |                    |
| 8026 | Infrastructure | Task         | Testing     | High      | Portal reaches the maximum capacity in a pool   | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet  |
| 1556 | Infrastructure | Task         | In Progress | High      | Interns mailing list  |                | 2011-05-12 23:02 |                    |
| 8195 | Infrastructure | Bug          | In Progress | High      | Tomcat out of memory error  | Dave Vieglais  | 2017-12-26 20:01 |                    |
| 8525 | Infrastructure | Story        | In Progress | High      | timeout exceptions thrown from Hazelcast disable synchronization  | Rob Nahf       | 2018-11-16 17:32 | d1_synchronization |
| 8824 | Infrastructure | Task         | In Progress | High      | Install Apache 2.4.39 and disable TLSv1.3 on CNs  | Dave Vieglais  | 2019-06-19 12:11 |                    |
| 318  | Requirements   | Requirement  | New         | High      | (Requirement) Sponsor required Y1 functionality   | Dave Vieglais  | 2010-09-06 03:24 | d1_common_java     |
| 384  | Requirements   | Requirement  | New         | High      | (Requirement) Enable efficient mechanisms for users to discover content                                     | Dave Vieglais  | 2010-09-06 03:58 | d1_common_java     |
| 390  | Requirements   | Requirement  | New         | High      | (Requirement) Consistent mechanism for identifying users  | Dave Vieglais  | 2010-09-06 20:50 | Requirement        |
| 391  | Requirements   | Requirement  | New         | High      | (Requirement) Enable different classes of users commensurate with their roles.                              | Dave Vieglais  | 2010-09-06 20:51 | Requirement        |

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| 392 | Requirements | Requirement | New    | High     | (Requirement) Identity and access control should be interoperable across datanets  | Dave Vieglais | 2010-09-06 20:31 | Requirement    |
| 393 | Requirements | Requirement | New    | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.   | Dave Vieglais | 2010-09-06 20:27 | 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 |
| 592 | Requirements | Requirement | New    | High     | DataONE needs to synchronize metadata between MNs and CNs  | Robert Waltz  | 2010-09-06 02:28 | d1_cn_service  |
| 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    |
| 762 | Requirements | Requirement | New    | High     | (Requirement) User identities can be derived from existing institutional directory services  | Dave Vieglais | 2010-09-06 03:01 | Requirement    |
| 763 | Requirements | Requirement | New    | High     | (Requirement) Authentication and authorization services are geographically replicated  | Dave Vieglais | 2010-09-06 20:52 | Requirement    |
| 764 | Requirements | Requirement | New    | High     | (Requirement) Authentication and access control should be consistently available   | Dave Vieglais | 2010-09-06 20:32 | Requirement    |
| 765 | Requirements | Requirement | New    | High     | (Requirement) Tools can access an API for authn and authz  | Dave Vieglais | 2010-09-06 20:30 | 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    |
| 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    |
| 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    |
| 769 | Requirements | Requirement | New    | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators  | Dave Vieglais | 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 Vieglais | 2010-08-11 00:41 | 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    |
| 772 | Requirements | Requirement | New    | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications   | Dave Vieglais | 2010-08-11 07:54 | Requirement    |
| 777 | Requirements | Requirement | New    | High     | (Requirement) Authorization rules should support common permission levels  | Dave Vieglais | 2010-09-06 20:49 | Requirement    |
| 795 | Requirements | Requirement | New    | High     | (Requirement) System must support revocation of user permissions   | Dave Vieglais | 2010-08-29 20:45 | Requirement    |
| 820 | Requirements | Requirement | New    | High     | (Requirement) Common API for authentication and authorization operations   | Dave Vieglais | 2010-09-06 21:23 | Requirement    |

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| 821  | Requirements   | Requirement  | New      | High     | (Requirement) Sponsor required functionality                                      | Dave Vieglais  | 2010-09-06 03:28 | d1_common_java          |
| 822  | Requirements   | Requirement  | New      | High     | (Requirement) Object access and manipulation should be responsive                 | Dave Vieglais  | 2010-09-06 20:27 | d1_common_java          |
| 3664 | Member Nodes   | MNDeployment | New      | High     | Landcare Research New Zealand   | Laura Moyers   | 2015-11-19 19:39 |                         |
| 3675 | Infrastructure | Bug          | New      | High     | package relationships not available for archived objects                          | Rob Nahf       | 2018-09-21 21:01 | d1_indexer              |
| 3906 | Member Nodes   | Task         | New      | High     | Update malformed Resource Maps  |                | 2013-08-09 17:50 |                         |
| 6853 | Member Nodes   | MNDeployment | New      | High     | OBIS (Ocean Biogeographic Information System)                                     | Laura Moyers   | 2015-11-19 17:46 |                         |
| 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 |                         |
| 7601 | Infrastructure | Bug          | New      | High     | CN checksum inconsistencies   | Dave Vieglais  | 2016-01-26 19:29 |                         |
| 7651 | Python GMN     | Bug          | New      | High     | GMN returns two different dateSysMetadataModified dateTime stamps for same object | Roger Dahl     | 2016-04-14 14:17 |                         |
| 7738 | Python GMN     | Bug          | New      | High     | GMN perpetually retries system metadata updates after failures                    | Roger Dahl     | 2016-04-14 14:26 |                         |
| 7740 | Python GMN     | Bug          | New      | High     | GMN fails to write system metadata during a refresh under unknown conditions      | Roger Dahl     | 2016-04-14 14:56 |                         |
| 7919 | Infrastructure | Bug          | New      | High     | unloadable system metadata in CNs by Hazelcast                                    |                | 2016-11-01 19:30 | Metacat                 |
| 8076 | Infrastructure | Bug          | New      | High     | sysmeta can not be retrieved for some objects                                     | Dave Vieglais  | 2017-04-22 01:54 | dataone-cn-rest-service |
| 8173 | Infrastructure | Story        | New      | High     | add checks for retrograde systemMetadata changes                                  | Jing Tao       | 2018-01-17 18:38 | d1_indexer              |
| 8500 | Infrastructure | Bug          | New      | High     | Geohash not calculated properly   | Jing Tao       | 2018-03-14 17:06 | d1_indexer              |
| 8622 | Member Nodes   | Bug          | New      | High     | IOE repository is not responding  | Amy Forrester  | 2019-03-05 20:54 |                         |
| 8655 | Infrastructure | Bug          | New      | High     | Synchronization died with OOM   |                | 2018-07-13 11:24 |                         |
| 8722 | Infrastructure | Bug          | New      | High     | Object in search index but systemmetadata is not available.                       | Jing Tao       | 2018-10-03 17:48 |                         |
| 8823 | Infrastructure | Story        | New      | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04         | Dave Vieglais  | 2019-06-19 02:43 |                         |
| 8829 | Member Nodes   | Task         | New      | High     | get DKAN connected to GMN   | John Evans     | 2019-09-03 13:24 |                         |
| 8867 | CN REST        | Bug          | New      | High     | CNCore.listChecksumAlgorithms() returns incorrect list                            | Jing Tao       | 2020-08-06 00:06 | d1_cn_rest              |
| 3180 | Member Nodes   | MNDeployment | Deferred | Normal   | PFRP - Pelagic Fisheries Research Program   | Matthew Jones  | 2014-05-29 19:25 |                         |
| 3191 | Member Nodes   | MNDeployment | Deferred | Normal   | UC Vertnet Member Node  | Dave Vieglais  | 2017-01-31 14:54 |                         |
| 3203 | Member Nodes   | MNDeployment | Deferred | Normal   | PELD member node  | Matthew Jones  | 2016-06-17 19:32 |                         |
| 3207 | Member Nodes   | MNDeployment | Deferred | Normal   | BIOTA - FAPESP MN   | Matthew Jones  | 2016-06-17 19:32 |                         |
| 3209 | Member Nodes   | MNDeployment | Deferred | Normal   | Avian Knowledge Network/Cornell Laboratory of Ornithology                         | Ben Leinfelder | 2016-06-17 19:31 |                         |
| 3215 | Member Nodes   | MNDeployment | Deferred | Normal   | GEO BON member node   | Matthew Jones  | 2016-06-20 14:26 |                         |
| 3217 | Member Nodes   | MNDeployment | Deferred | Normal   | EMBRAPA member node   | Matthew Jones  | 2016-06-17 19:31 |                         |

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| 3686 | Member Nodes | MNDeployment | Deferred    | Normal   | Movebank for Animal Tracking Data                         | Laura Moyers  | 2013-12-05 19:31 |          |
| 3689 | Member Nodes | MNDeployment | Deferred    | Normal   | University of South Carolina, Computer Science Department |               | 2018-08-31 15:26 |          |
| 3964 | Member Nodes | MNDeployment | Deferred    | Normal   | EU BON Member Node  | Bruce Wilson  | 2016-10-24 20:49 |          |
| 4083 | Member Nodes | MNDeployment | Deferred    | Normal   | Forest Research Institute Malaysia (FRIM)                 | Laura Moyers  | 2016-06-17 19:31 |          |
| 4115 | Member Nodes | MNDeployment | Deferred    | Normal   | UTK Institutional Repository                              |               | 2018-04-17 17:32 |          |
| 5453 | Member Nodes | MNDeployment | Deferred    | Normal   | Dataverse   | Laura Moyers  | 2018-07-24 16:41 |          |
| 7757 | Member Nodes | MNDeployment | Deferred    | Normal   | GINA - Geographic Information Network of Alaska           | Roger Dahl    | 2018-08-31 15:22 |          |
| 3172 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at UNM                               | Dave Vieglais | 2018-08-31 15:22 |          |
| 3201 | Member Nodes | MNDeployment | Operational | Normal   | Taiwan Forestry Research Institute                        | Amy Forrester | 2019-10-08 15:26 |          |
| 3213 | Member Nodes | MNDeployment | Operational | Normal   | University of Illinois, Chicago member node               | Jing Tao      | 2020-01-23 22:42 |          |
| 3228 | Member Nodes | MNDeployment | Operational | Normal   | NCEI - National Centers for Environmental Information     | Dave Vieglais | 2019-07-08 16:28 |          |
| 3529 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at ORC                               | Dave Vieglais | 2018-08-31 15:21 |          |
| 3530 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at UCSB                              | Dave Vieglais | 2018-08-31 15:22 |          |
| 3531 | Member Nodes | MNDeployment | Operational | Normal   | Gulf of Alaska Data Portal                                | Laura Moyers  | 2018-05-15 17:40 |          |
| 3557 | Member Nodes | MNDeployment | Operational | Normal   | LTER Network  | Roger Dahl    | 2018-09-25 17:17 |          |
| 3559 | Member Nodes | MNDeployment | Operational | Normal   | ONEShare  | Amy Forrester | 2019-09-03 16:40 |          |
| 3560 | Member Nodes | MNDeployment | Operational | Normal   | Cornell Lab of Ornithology eBird                          | Laura Moyers  | 2018-08-06 21:12 |          |
| 3687 | Member Nodes | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems          | Amy Forrester | 2019-10-08 15:29 |          |
| 3708 | Member Nodes | MNDeployment | Operational | Normal   | Minnesota Population Center                               | Laura Moyers  | 2018-08-06 19:43 |          |
| 3748 | Member Nodes | MNDeployment | Operational | Normal   | PPBIO Member Node   | Jing Tao      | 2018-08-31 15:20 |          |
| 4700 | Member Nodes | MNDeployment | Operational | Normal   | IARC (International Arctic Research Center) Data Archive  | Amy Forrester | 2019-10-08 15:20 |          |
| 5451 | Member Nodes | MNDeployment | Operational | Normal   | Cary Institute (via Figshare)                             | Monica Ihli   | 2019-04-17 21:39 |          |
| 6401 | Member Nodes | MNDeployment | Operational | Normal   | NM EPSCoR   | Roger Dahl    | 2019-03-05 18:13 |          |
| 6562 | Member Nodes | MNDeployment | Operational | Normal   | BCO-DMO   | Laura Moyers  | 2021-12-04 00:47 |          |
| 6674 | Member Nodes | MNDeployment | Operational | Normal   | OTS - Neotropical Data Center                             | Jing Tao      | 2019-06-10 13:03 |          |
| 6708 | Member Nodes | MNDeployment | Operational | Normal   | NEON - National Ecological Observatory Network            | Bruce Wilson  | 2019-06-06 19:52 |          |
| 6957 | Member Nodes | MNDeployment | Operational | Normal   | NRDC - Nevada Research Data Center                        | Amy Forrester | 2019-10-08 18:39 |          |
| 7051 | Member Nodes | MNDeployment | Operational | Normal   | GRIIDC - Gulf of Mexico Research Initiative               | Laura Moyers  | 2018-09-25 17:14 |          |
| 7082 | Member Nodes | MNDeployment | Operational | Normal   | USGS Science Data Catalog (SDC)                           | Laura Moyers  | 2018-10-09 16:27 |          |
| 7629 | Member Nodes | MNDeployment | Operational | Normal   | Arctic Data Center - Data and Software about the Arctic   | Matthew Jones | 2018-01-10 17:53 |          |
| 7842 | Member Nodes | MNDeployment | Operational | Normal   | Research Workspace  | Roger Dahl    | 2018-08-14 17:05 |          |
| 7895 | Member Nodes | MNDeployment | Operational | Normal   | Pangaea   | Monica Ihli   | 2018-12-04 14:58 |          |

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| 7956 | Member Nodes     | MNDeployment | Operational | Normal   | Environmental Data Initiative (EDI)   | Laura Moyers  | 2018-11-13 19:14 |                    |
| 7969 | Member Nodes     | MNDeployment | Operational | Normal   | FEMC (Forest Ecosystem Monitoring Cooperative) - was VMC Vermont Monitoring Cooperative     | Monica Ihli   | 2019-08-27 17:22 |                    |
| 8035 | Member Nodes     | MNDeployment | Operational | Normal   | IEDA_EarthChem Library (Interdisciplinary Earth Data Alliance)                              | Dave Vieglais | 2019-05-06 14:25 |                    |
| 8186 | Member Nodes     | MNDeployment | Operational | Normal   | ESS-DIVE, including CDIAC   | Matthew Jones | 2018-12-04 14:57 |                    |
| 8544 | Member Nodes     | MNDeployment | Operational | Normal   | Chinese Ecosystem Research Network  | Amy Forrester | 2018-12-04 14:56 |                    |
| 8704 | Member Nodes     | MNDeployment | Operational | Normal   | IEDA_Marine-Geo Digital Library (Interdisciplinary Earth Data Alliance)                     | Dave Vieglais | 2019-05-14 13:47 |                    |
| 8721 | Member Nodes     | MNDeployment | Operational | Normal   | IEDA_US Antarctic Program Data Center (Interdisciplinary Earth Data Alliance)               | Dave Vieglais | 2019-05-14 13:46 |                    |
| 8772 | Member Nodes     | MNDeployment | Operational | Normal   | metaGRIL  | Jing Tao      | 2019-10-08 17:16 |                    |
| 7139 | Python GMN       | Task         | In Review   | Normal   | modify postgres schema  | Dave Vieglais | 2016-03-25 01:27 |                    |
| 7140 | Python GMN       | Task         | In Review   | Normal   | Resolve sids to pids  | Dave Vieglais | 2016-03-25 01:27 |                    |
| 8725 | Member Nodes     | MNDeployment | In Review   | Normal   | NCAR (National Center for Atmospheric Research)   |               | 2018-10-08 13:33 |                    |
| 8828 | Member Nodes     | MNDeployment | In Review   | Normal   | SESAR   |               | 2019-08-01 16:09 |                    |
| 8847 | Member Nodes     | MNDeployment | In Review   | Normal   | Freshwater Research and Environmental Database (IGBFRED)                                    | Dave Vieglais | 2019-10-17 19:23 |                    |
| 3234 | Member Nodes     | MNDeployment | Testing     | Normal   | CyVerse (iPlant) member node  | Rob Nahf      | 2019-03-05 18:36 |                    |
| 3624 | Infrastructure   | Task         | Testing     | Normal   | Update CN index processing to support ESRI FGDC metadata format                             | Skye Roseboom | 2013-03-05 23:27 | d1_indexer         |
| 4730 | Member Nodes     | MNDeployment | Testing     | Normal   | Global Biodiversity Information Facility  | Dave Vieglais | 2018-09-26 19:45 |                    |
| 5531 | Infrastructure   | Task         | Testing     | Normal   | Provide overview of replication process for MN implementors                                 | Matthew Jones | 2014-10-02 17:21 | Documentation      |
| 5836 | Member Nodes     | Task         | Testing     | Normal   | GBIF: Verify that MN passes the Web Tester  | Rob Nahf      | 2018-09-26 19:57 |                    |
| 6378 | Infrastructure   | Task         | Testing     | Normal   | code up the new strategy  | Rob Nahf      | 2016-06-22 16:53 | d1_replication     |
| 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  |
| 7137 | Python GMN       | Task         | Testing     | Normal   | Add support for V2 urls   | Dave Vieglais | 2016-03-25 01:27 |                    |
| 7138 | Python GMN       | Task         | Testing     | Normal   | Create new view functions   | Dave Vieglais | 2016-03-25 01:27 |                    |
| 7149 | OGC-Slender Node | Story        | Testing     | Normal   | Implement mechanism to retrieve a list of objects available from repository                 | Dave Vieglais | 2015-06-05 13:37 |                    |
| 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  |
| 7389 | Java Client      | Task         | Testing     | Normal   | V2 D1Object fails to download V1 content  | Chris Jones   | 2015-09-28 17:50 | d1_libclient_java  |
| 8106 | Infrastructure   | Bug          | Testing     | Normal   | Difficulty Distinguishing Between Different Kinds of Failed Sync "Not Found" Error Messages | Rob Nahf      | 2018-02-20 16:57 | d1_synchronization |

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| 8123 | Infrastructure | Bug     | Testing     | Normal   | portal hazelcast client should load config directly from xml      | Rob Nahf       | 2017-12-26 18:20 | d1_portal_servlet       |
| 725  | Infrastructure | Story   | In Progress | Normal   | Create Authentication and Access control design specifications    | Dave Vieglais  | 2018-01-17 20:52 | Documentation           |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages | Rob Nahf       | 2012-10-16 21:34 | d1_integration          |
| 1035 | Infrastructure | Task    | In Progress | Normal   | Develop reference architecture documents                          | Bruce Wilson   | 2011-03-03 19:26 | Documentation           |
| 1047 | Infrastructure | Task    | In Progress | Normal   | Write Authentication system specification                         | Matthew Jones  | 2014-10-01 20:47 |                         |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification                          | Matthew Jones  | 2014-10-01 20:47 |                         |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping                              | Matthew Jones  | 2014-10-01 20:47 |                         |
| 1159 | Infrastructure | Task    | In Progress | Normal   | Add description of Group creation and management to design specs. | Matthew Jones  | 2014-10-01 20:47 |                         |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                   | Matthew Jones  | 2014-10-01 20:47 | Documentation           |
| 1479 | CN REST        | Task    | In Progress | Normal   | Design web UI for validating newly created identities             | Ben Leinfelder | 2015-01-19 22:59 |                         |
| 2169 | Infrastructure | Task    | In Progress | Normal   | Design content and layout for status page                         | Dave Vieglais  | 2012-03-14 20:40 | d1_monitor              |
| 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 |
| 2540 | Infrastructure | Feature | In Progress | Normal   | add generateIdentifier() method to MNStorage API                  | Dave Vieglais  | 2014-10-02 17:54 | Documentation           |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09  | Skye Roseboom  | 2014-09-11 15:47 | d1_replication          |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions            | Andrew Pippin  | 2012-07-06 16:25 | d1_mn_GMN               |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*                            | Dave Vieglais  | 2015-06-25 22:00 | d1_schemas              |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment            | Rob Nahf       | 2014-10-01 22:04 | d1_integration          |
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats       | Ben Leinfelder | 2012-08-14 23:41 |                         |
| 3047 | Infrastructure | Bug     | In Progress | Normal   | Metacat allows whitespace in Identifiers                          | Ben Leinfelder | 2018-11-13 21:44 |                         |
| 3057 | Java Client    | Task    | In Progress | Normal   | retest CLOSE_WAIT issue once the lib client is complete.          | Rob Nahf       | 2015-02-11 19:52 | d1_libclient_java       |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents                    | Ben Leinfelder | 2012-07-31 01:34 |                         |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2                   | Andrew Pippin  | 2012-08-02 17:27 |                         |
| 3122 | Infrastructure | Bug     | In Progress | Normal   | asterisk in search term   | Skye Roseboom  | 2014-10-02 18:02 | d1_mercury              |
| 3185 | Member Nodes   | Task    | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN        | Dave Vieglais  | 2012-09-05 02:12 |                         |
| 3220 | Member Nodes   | Task    | In Progress | Normal   | contact iEcolab to determine possible MN role                     | Ben Leinfelder | 2013-10-01 17:53 |                         |
| 3332 | Infrastructure | Task    | In Progress | Normal   | Revise use cases and add sample code                              | Dave Vieglais  | 2014-09-24 18:27 | Documentation           |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header           | Chris Jones    | 2013-02-21 18:41 | Metacat                 |
| 3591 | Infrastructure | Story   | In Progress | Normal   | Content consistency checks for new member nodes                   | Rob Nahf       | 2018-01-17 20:23 | MNWebChecker            |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|----------|--|-------------------|------------------|------------------------|
| 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 |
| 3721 | Java Client    | Task    | In Progress | Normal   | add resource map validation routine to libclient_java                    | Rob Nahf          | 2015-02-11 20:42 | d1_libclient_java      |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features   | Chris Jones       | 2013-09-12 20:04 | Environment.Production |
| 3868 | Member Nodes   | Task    | In Progress | Normal   | Verify TFRI node is running NTP  | Ben Leinfelder    | 2013-08-05 17:25 |                        |
| 3905 | Infrastructure | Task    | In Progress | Normal   | Sort out shell logins for splunk system                                  | Bruce Wilson      | 2013-08-23 13:27 | Support Operations     |
| 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           |
| 4045 | Member Nodes   | Task    | In Progress | Normal   | Conversation with Laura/Mike re USGS ScienceBase planning                | Laura Moyers      | 2014-05-30 19:45 |                        |
| 4046 | Member Nodes   | Task    | In Progress | Normal   | Laura to check with Mike re USGS-NWRC planning                           | Laura Moyers      | 2013-11-03 21:43 |                        |
| 4052 | Infrastructure | Story   | In Progress | Normal   | OPeNDAP MN Story   |                   | 2013-10-06 20:07 | mn.OPeNDAP             |
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN   | Dave Vieglais     | 2013-10-06 20:11 | mn.OPeNDAP             |
| 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 |                        |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map                            | Chris Jones       | 2014-03-31 17:41 | d1_dashboard           |
| 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            |
| 4188 | Infrastructure | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification   | Dave Vieglais     | 2018-01-17 20:05 | d1_schemas             |
| 4189 | Infrastructure | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation                      | Dave Vieglais     | 2017-01-14 00:24 | d1_schemas             |
| 4192 | Infrastructure | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition     | Dave Vieglais     | 2014-09-24 18:28 | Management             |
| 4246 | Infrastructure | Task    | In Progress | Normal   | Determine why cn-stage-ucsb-1 LDAP syncrepl is failing                   | Michael Campfield | 2014-10-31 17:42 | Environment.Stage1     |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing          | Rob Nahf          | 2018-01-17 20:03 | d1_replication         |
| 4671 | Java Client    | Task    | In Progress | Normal   | suggest updating the following versions:                                 |                   | 2015-02-11 20:08 |                        |
| 4672 | Java Client    | Task    | In Progress | Normal   | mvn dependencies:analyse shows transitive dependencies:                  |                   | 2015-02-11 20:08 |                        |
| 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 |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate  | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 5141 | Infrastructure | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document       | Dave Vieglais     | 2018-01-17 19:58 | Documentation          |
| 5449 | Member Nodes   | Task    | In Progress | Normal   | Resolve resource map issues for LTER-Europe                              | Chris Jones       | 2014-06-20 17:59 |                        |

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee            | Updated          | Category                |
|------|------------------|---------|-------------|----------|---|---------------------|------------------|-------------------------|
| 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 |                         |
| 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 |                         |
| 5833 | Member Nodes     | Story   | In Progress | Normal   | GBIF: Developing  |                     | 2019-02-19 18:24 |                         |
| 6025 | Infrastructure   | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack  | Roger Dahl          | 2014-08-01 15:49 |                         |
| 6026 | Infrastructure   | Task    | In Progress | Normal   | d1_common CCI 2.0 support   | Roger Dahl          | 2014-08-01 15:49 | d1_common_python        |
| 6033 | Infrastructure   | Task    | In Progress | Normal   | d1_libclient_python CCI 2.0 support   | Roger Dahl          | 2014-08-11 16:22 | d1_libclient_python     |
| 6034 | Infrastructure   | Task    | In Progress | Normal   | d1_client_cli CCI 2.0 support   | Roger Dahl          | 2014-08-11 16:23 | d1_client_cli           |
| 6053 | Member Nodes     | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type   | Ranjeet Devarakonda | 2014-11-24 14:57 |                         |
| 6062 | Infrastructure   | Bug     | In Progress | Normal   | Jenkins not cascading builds in trunk   | Robert Waltz        | 2016-08-10 20:56 | Environment.Development |
| 6071 | Infrastructure   | Story   | In Progress | Normal   | Release Notes and documentation   | Dave Vieglais       | 2018-01-17 19:53 | Documentation           |
| 6369 | Java Client      | Feature | In Progress | Normal   | ResourceMapFactory.parseResourceMap does not return aggregated resources                              | Rob Nahf            | 2015-02-11 20:56 | d1_libclient_java       |
| 6372 | Infrastructure   | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests  | Rob Nahf            | 2016-06-22 16:53 | d1_replication          |
| 6375 | Infrastructure   | Task    | In Progress | Normal   | Refactor out dependency on a working CN   | Rob Nahf            | 2016-06-22 16:53 | d1_replication          |
| 6377 | Infrastructure   | Story   | In Progress | Normal   | Review CNode initialization in ReplicationManager - it doesn't use local CN reference                 | Rob Nahf            | 2018-01-17 19:52 | d1_replication          |
| 6382 | Member Nodes     | Task    | In Progress | Normal   | ICMBIO: Determine feasibility   | Laura Moyers        | 2015-11-19 17:21 |                         |
| 6395 | Infrastructure   | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                                    | Rob Nahf            | 2018-01-17 19:51 | MNWebChecker            |
| 6396 | Infrastructure   | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally  | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker            |
| 6497 | Python GMN       | Feature | In Progress | Normal   | V2 GMN Support  | Dave Vieglais       | 2016-03-25 01:27 |                         |
| 6614 | Python GMN       | Bug     | In Progress | Normal   | GMN describe not returning DescribeResponse for IARC MN   | Roger Dahl          | 2016-04-21 22:37 |                         |
| 6789 | Java Client      | Bug     | In Progress | Normal   | Read API calls to the CN are hanging  | Rob Nahf            | 2016-05-07 07:59 |                         |
| 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              |
| 6854 | Infrastructure   | Feature | In Progress | Normal   | add testAssumptionFailure to run listener   | Rob Nahf            | 2016-01-26 22:30 | d1_integration          |
| 6927 | Member Nodes     | Task    | In Progress | Normal   | R2R: Register any new object formats in all environments  | Roger Dahl          | 2017-01-19 01:16 |                         |
| 7102 | Member Nodes     | Task    | In Progress | Normal   | Create test server certificate for test.piscoweb.org  | Dave Vieglais       | 2015-05-14 18:28 |                         |
| 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                      |
|------|------------------|---------|-------------|----------|--|---------------|------------------|-------------------------------|
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content   | Dave Vieglais | 2015-06-08 18:58 |                               |
| 7181 | Python Libraries | Task    | In Progress | Normal   | add d1_libclient_python implementation   | Dave Vieglais | 2016-04-21 22:37 | d1_libclient_python           |
| 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 |                               |
| 7358 | Infrastructure   | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry   | Dave Vieglais | 2016-12-21 09:05 | Authentication, Authorization |
| 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                    |
| 7432 | Java Client      | Bug     | In Progress | Normal   | Java Client does not support idFilter for v2 release   | Rob Nahf      | 2019-06-14 18:47 | d1_libclient_java             |
| 7466 | Infrastructure   | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API   | Chris Jones   | 2015-11-05 16:11 | Metacat                       |
| 7498 | Search UI        | Task    | In Progress | Normal   | Search UI deployments need to be automated   | Chris Jones   | 2015-11-21 00:36 | MetacatUI                     |
| 7505 | Member Nodes     | Task    | In Progress | Normal   | Correct generous access policies   | Roger Dahl    | 2018-07-02 20:39 |                               |
| 7523 | Infrastructure   | Bug     | In Progress | Normal   | D1Client no longer updates stale NodeList  | Rob Nahf      | 2016-04-19 22:27 | d1_libclient_java             |
| 7570 | Infrastructure   | Bug     | In Progress | Normal   | Search UI requests cause Out of Memory Error   | Jing Tao      | 2017-04-26 21:01 | d1_indexer                    |
| 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        |
| 7612 | Infrastructure   | Task    | In Progress | Normal   | Contact ORNLDAAC   | Laura Moyers  | 2016-02-11 18:02 | Environment.Production        |
| 7716 | Infrastructure   | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?   | Dave Vieglais | 2018-01-17 19:22 | d1_synchronization            |
| 7746 | CN REST          | Bug     | In Progress | Normal   | Node registration update fails when <contactSubject> spans multiple lines                      | Rob Nahf      | 2016-04-26 17:30 | d1_cn_noderegistry            |
| 7754 | Search UI        | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats  | Bryce Mecum   | 2018-05-17 14:18 | MetacatUI                     |
| 7832 | Infrastructure   | Story   | In Progress | Normal   | migrate from JibX to JAXB for XML binding / codegen  | Rob Nahf      | 2018-01-17 19:06 | d1_common_java                |
| 7882 | Infrastructure   | Story   | In Progress | Normal   | Tune CN logfile management   | Dave Vieglais | 2018-01-17 19:03 |                               |
| 7890 | Infrastructure   | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories                             | Rob Nahf      | 2017-04-19 19:12 |                               |
| 7896 | Member Nodes     | Bug     | In Progress | Normal   | Dryad data sets don't mark new versions correctly in SystemMetadata with obsoletes/obsoletedBy | Monica Ihli   | 2017-07-24 10:10 |                               |
| 7920 | Infrastructure   | Story   | In Progress | Normal   | migrate apache2 authorization rules from 2.2 conforming to 2.4                                 | Dave Vieglais | 2018-01-17 18:59 | d1_cn_buildout                |
| 7929 | Member Nodes     | Task    | In Progress | Normal   | Archive content for SEAD   |               | 2016-11-09 17:11 |                               |
| 7930 | Member Nodes     | Task    | In Progress | Normal   | verify obsolescence in tDAR sandbox  | Dave Vieglais | 2016-12-01 23:47 |                               |
| 7958 | Infrastructure   | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN                          | Rob Nahf      | 2017-01-04 17:23 | d1_synchronization            |
| 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           |
| 8032 | Python GMN       | Story   | In Progress | Normal   | GMN v2   | Roger Dahl    | 2018-01-17 18:55 |                               |
| 8038 | Infrastructure   | Story   | In Progress | Normal   | connect logging output to a log analysis tool  | Dave Vieglais | 2018-01-17 18:52 | d1_synchronization            |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category            |
|------|----------------|---------|-------------|----------|---|---------------|------------------|---------------------|
| 8049 | Infrastructure | Story   | In Progress | Normal   | Support synchronization of system metadata for unhosted METADATA and RES_MAP objects                                  |               | 2018-01-17 18:50 | Architecture Design |
| 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  |
| 8079 | Infrastructure | Task    | In Progress | Normal   | prototype durable task processing for d1_index_processor  | Rob Nahf      | 2017-04-26 05:45 | d1_indexer          |
| 8080 | Infrastructure | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic                                    | Rob Nahf      | 2017-05-09 22:55 | d1_indexer          |
| 8081 | Infrastructure | Story   | In Progress | Normal   | develop federated broker configuration for indexing   | Rob Nahf      | 2018-01-17 18:46 | d1_indexer          |
| 8086 | Infrastructure | Task    | In Progress | Normal   | upgrade Spring dependencies   | Rob Nahf      | 2019-07-25 20:32 | d1_indexer          |
| 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  |
| 8155 | Infrastructure | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API   | Roger Dahl    | 2018-01-17 18:43 | d1_mn_GMN           |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf      | 2018-01-17 18:39 | d1_indexer          |
| 8225 | Member Nodes   | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea   | Rob Nahf      | 2018-05-17 14:30 |                     |
| 8227 | Infrastructure | Story   | In Progress | Normal   | ExceptionHandler regurgitates long html pages into the wrapping ServiceFailure message, which goes into CN log files. | Rob Nahf      | 2018-01-09 19:10 | d1_common_java      |
| 8358 | Member Nodes   | Story   | In Progress | Normal   | Discovery & Planning (CAFF)   | Amy Forrester | 2018-04-06 14:56 |                     |
| 8364 | CN REST        | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |               | 2019-05-21 12:57 | d1_portal_servlet   |
| 8378 | Member Nodes   | Task    | In Progress | Normal   | (OTS) replicate data  | Amy Forrester | 2018-07-31 18:49 |                     |
| 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   |
| 8498 | Member Nodes   | Task    | In Progress | Normal   | SANParks metacat not responding to harvest requests   | Matthew Jones | 2019-04-15 18:09 |                     |
| 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 |                     |
| 8535 | Member Nodes   | Story   | In Progress | Normal   | Neotoma: Story: Discovery & Planning  | Amy Forrester | 2018-04-09 21:14 |                     |
| 8536 | Infrastructure | Bug     | In Progress | Normal   | resource Map update when metadata SID is used is not indexed  | Rob Nahf      | 2018-04-12 20:55 | d1_indexer          |
| 8566 | Member Nodes   | Task    | In Progress | Normal   | Test Registration   | Rob Nahf      | 2019-04-16 17:17 |                     |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object   | Jing Tao      | 2018-04-23 20:13 | d1_indexer          |
| 8573 | Infrastructure | Bug     | In Progress | Normal   | changing accessPolicies and rightHolders down the line of series can cause improper sync failures                     | Rob Nahf      | 2018-05-03 21:52 | d1_synchronization  |
| 8633 | Member Nodes   | Task    | In Progress | Normal   | DAAC: Re-Training & Re-Deployment Planning  | Amy Forrester | 2018-07-02 14:53 |                     |
| 8727 | Member Nodes   | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |               | 2019-01-22 18:34 |                     |
| 8728 | Member Nodes   | Task    | In Progress | Normal   | Initial Communications (NCAR)   | Amy Forrester | 2018-10-04 17:24 |                     |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail  | Rob Nahf      | 2018-10-18 18:33 | d1_indexer          |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee      | Updated          | Category            |
|------|----------------|--------------|-------------|----------|--|---------------|------------------|---------------------|
| 8738 | Infrastructure | Story        | In Progress | Normal   | HZEventFilter performance decline with increased task queue                    | Rob Nahf      | 2018-10-30 04:10 | d1_indexer          |
| 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   |
| 8750 | Member Nodes   | Task         | In Progress | Normal   | reconnect eLTER MN to DataONE  | Roger Dahl    | 2018-11-28 16:59 |                     |
| 8766 | Infrastructure | Feature      | In Progress | Normal   | support server-side link checking for the 303 redirect url in the resolve call | Rob Nahf      | 2019-05-31 15:16 | d1_cn_service       |
| 8775 | Infrastructure | Task         | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive                    | Bryce Mecum   | 2019-03-11 23:35 |                     |
| 5835 | Member Nodes   | Task         | Ready       | Normal   | GBIF: Local Testing  | Rob Nahf      | 2019-01-24 16:53 |                     |
| 3230 | Member Nodes   | MNDeployment | Planning    | Normal   | ARM - Atmospheric Radiation Measurement member node                            | John Evans    | 2019-11-25 20:10 |                     |
| 7296 | Member Nodes   | MNDeployment | Planning    | Normal   | GCOOS  | Monica Ihli   | 2018-04-16 15:53 |                     |
| 7865 | Member Nodes   | MNDeployment | Planning    | Normal   | Hydroshare (CUAHSI)  | John Evans    | 2019-09-17 14:33 |                     |
| 8254 | Member Nodes   | MNDeployment | Planning    | Normal   | ABDS - Arctic Biodiversity Data Service (CAFF)                                 | Amy Forrester | 2019-09-17 14:31 |                     |
| 8839 | Member Nodes   | MNDeployment | Planning    | Normal   | CMU KiltHub via Figshare   | Roger Dahl    | 2019-09-24 17:48 |                     |
| 925  | Infrastructure | Task         | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                |               | 2011-10-31 20:32 | d1_client_ONEDrive  |
| 995  | Infrastructure | Task         | New         | Normal   | implement JSON formatted OLLs  |               | 2010-10-25 16:45 |                     |
| 1001 | Infrastructure | Task         | New         | Normal   | Link documentation living with projects into ArchitectureDocs                  |               | 2010-10-21 14:55 |                     |
| 1073 | Infrastructure | Task         | New         | Normal   | Design client application authentication redirection approach                  | Matthew Jones | 2014-10-01 20:47 | d1_identity_manager |
| 1225 | Infrastructure | Task         | New         | Normal   | Configure Hudson Metacat build   |               | 2011-01-13 14:41 | Metacat             |
| 1226 | Infrastructure | Task         | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war              |               | 2011-01-13 14:57 | d1_cn_buildout      |
| 1227 | Infrastructure | Task         | New         | Normal   | configure Hudson to build Mercury for deployment to a CN                       | Dave Vieglais | 2011-01-13 15:16 | d1_mercury          |
| 1234 | Infrastructure | Task         | New         | Normal   | Record performance metrics for member nodes                                    |               | 2011-01-15 02:52 |                     |
| 1236 | Infrastructure | Task         | New         | Normal   | Highly variable response times from cn.dataone.org                             |               | 2011-01-17 16:34 | d1_cn_service       |
| 1331 | Infrastructure | Task         | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()                         |               | 2011-02-09 22:44 |                     |
| 1332 | Infrastructure | Task         | New         | Normal   | Possibly remove MN_crud.update()   |               | 2011-02-09 22:50 |                     |
| 1333 | Infrastructure | Task         | New         | Normal   | traceInformation -> trace  |               | 2011-02-09 22:46 |                     |
| 1334 | Infrastructure | Task         | New         | Normal   | Completely remove detailCode   |               | 2011-02-09 22:51 |                     |
| 1335 | Infrastructure | Task         | New         | Normal   | Local caching of the d1 schema.  |               | 2011-02-09 22:56 |                     |
| 1339 | Infrastructure | Task         | New         | Normal   | "common" -> "base" or "foundation"   |               | 2011-02-09 23:19 |                     |
| 1411 | Infrastructure | Task         | New         | Normal   | Vendor Specific Extensions   |               | 2011-03-08 16:59 |                     |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee      | Updated          | Category          |
|------|----------------|---------|--------|----------|---|---------------|------------------|-------------------|
| 1412 | CN REST        | Task    | New    | Normal   | MN health check performed by CN   | Robert Waltz  | 2015-01-19 23:06 |                   |
| 1414 | Infrastructure | Task    | New    | Normal   | How to represent additional Node attributes.  |               | 2011-03-09 06:16 |                   |
| 1442 | DataONE API    | Task    | New    | Normal   | Identify monitoring and logging use cases and requirements                          | Dave Vieglais | 2015-01-19 23:06 |                   |
| 1443 | DataONE API    | Task    | New    | Normal   | Identify operational requirements for monitoring and logging                        | Dave Vieglais | 2015-01-19 23:06 |                   |
| 1471 | Infrastructure | Task    | New    | Normal   | Define implicit curator role at Member Nodes.                                       | Matthew Jones | 2014-10-01 20:47 |                   |
| 1472 | Infrastructure | Task    | New    | Normal   | Explain revocation policies via MN curator.   | Matthew Jones | 2014-10-01 20:47 |                   |
| 1473 | Infrastructure | Task    | New    | Normal   | Make default access policy explicit in Authz docs.                                  | Matthew Jones | 2014-10-01 20:47 |                   |
| 1474 | Infrastructure | Task    | New    | Normal   | Design verification process for new accounts  | Matthew Jones | 2014-10-01 20:47 |                   |
| 1481 | Infrastructure | Task    | New    | Normal   | Clarify spec that groups can own objects  | Matthew Jones | 2014-10-01 20:47 |                   |
| 1482 | Infrastructure | Task    | New    | Normal   | Design mechanism to collapse two accounts into one                                  | Matthew Jones | 2014-10-01 20:47 |                   |
| 1484 | Infrastructure | Task    | New    | Normal   | Decide on format for Principals   | Matthew Jones | 2014-10-01 20:47 |                   |
| 1485 | Infrastructure | Task    | New    | Normal   | Clean up authn requirements listing   | Matthew Jones | 2014-10-01 20:47 |                   |
| 1494 | Infrastructure | Task    | New    | Normal   | Create sequence diagrams for Authentication services.                               | Matthew Jones | 2014-10-01 20:47 |                   |
| 1502 | Infrastructure | Task    | New    | Normal   | Fix hierarchy of permission levels.   | Matthew Jones | 2014-10-01 20:47 | Documentation     |
| 1518 | Infrastructure | Task    | New    | Normal   | How to support caching  |               | 2011-05-04 14:33 |                   |
| 1519 | Infrastructure | Task    | New    | Normal   | HTTP Byte Range Requests  |               | 2011-05-04 14:34 |                   |
| 1520 | Infrastructure | Task    | New    | Normal   | Stream Output   |               | 2011-05-04 14:35 |                   |
| 1521 | Infrastructure | Task    | New    | Normal   | Compressed Response   |               | 2011-05-04 14:35 |                   |
| 1527 | Infrastructure | Task    | New    | Normal   | Allow AccessPolicy to be set for groups   | Matthew Jones | 2014-10-01 20:47 |                   |
| 1552 | Java Client    | Task    | New    | Normal   | Copy TestSimpleMultipartEntity from d1_common_java to d1_integration                | Rob Nahf      | 2015-02-11 19:49 |                   |
| 1554 | Java Client    | Task    | New    | Normal   | Create MockHttpClient for testing in d1_common_java                                 | Rob Nahf      | 2015-02-11 19:49 | d1_common_java    |
| 1555 | Java Client    | Task    | New    | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient                        | Rob Nahf      | 2015-02-11 19:49 | d1_common_java    |
| 1644 | DataONE API    | Story   | New    | Normal   | Develop an object format creation policy  |               | 2018-01-17 20:46 |                   |
| 1646 | Infrastructure | Task    | New    | Normal   | Add addFormat() to the CNCORE API   |               | 2016-06-22 16:51 |                   |
| 1647 | Java Client    | Task    | New    | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                |               | 2016-06-22 16:51 | d1_common_java    |
| 1648 | Java Client    | Task    | New    | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                   |               | 2016-06-22 16:51 | d1_libclient_java |
| 1649 | Infrastructure | Task    | New    | Normal   | Update Metacat's CNCOREImpl to include addFormat()                                  |               | 2016-06-22 16:51 |                   |
| 1650 | Infrastructure | Task    | New    | Normal   | Update d1_cn_service ProxyCNCOREService and CNCOREController to include addFormat() |               | 2016-06-22 16:51 |                   |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee       | Updated          | Category           |
|------|----------------|---------|--------|----------|--|----------------|------------------|--------------------|
| 1651 | Infrastructure | Task    | New    | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                               |                | 2016-06-22 16:51 |                    |
| 1660 | Infrastructure | Task    | New    | Normal   | Refactor REST calls so that mandatory args are part of the URL and optional args are key/value pairs |                | 2011-06-28 21:35 |                    |
| 1671 | Infrastructure | Task    | New    | Normal   | Need folder for DUG, accessible by DUG members   | Matthew Jones  | 2011-07-12 12:09 | Support Operations |
| 1762 | Infrastructure | Task    | New    | Normal   | Sketch CN components and associations  | Dave Vieglais  | 2014-10-02 17:40 |                    |
| 1808 | Infrastructure | Task    | New    | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()   |                | 2011-10-04 16:08 |                    |
| 1873 | Infrastructure | Feature | New    | Normal   | Postprocessing tool for log reporting  |                | 2014-10-02 17:06 | d1_log_aggregation |
| 1890 | Infrastructure | Task    | New    | Normal   | Comply with Maven Central requirements for publishing artifacts                                      | Matthew Jones  | 2011-10-27 21:39 |                    |
| 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      |
| 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      |
| 2018 | Infrastructure | Task    | New    | Normal   | document DataONE CA operations procedures  | Matthew Jones  | 2012-04-23 17:53 | Support Operations |
| 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         |
| 2030 | Infrastructure | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UNM                               | Dave Vieglais  | 2014-09-24 18:29 | Hardware           |
| 2031 | Infrastructure | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UCSB                              | Nick Outin     | 2014-09-24 18:29 | Hardware           |
| 2033 | Infrastructure | Task    | New    | Normal   | Document hardware / CN administrators and their contact info   | Dave Vieglais  | 2014-09-24 18:29 | Management         |
| 2035 | Infrastructure | Task    | New    | Normal   | Design nagios system for monitoring CN locations   | Nick Outin     | 2014-09-24 18:29 | d1_monitor         |
| 2051 | Infrastructure | Task    | New    | Normal   | Use subject instead of NodeRef   |                | 2011-11-23 18:11 | Documentation      |
| 2053 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion                                  |                | 2014-10-02 17:21 |                    |
| 2054 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                                    | 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      |
| 2123 | Infrastructure | Task    | New    | Normal   | Description of serialVersion   | Dave Vieglais  | 2014-10-02 17:21 | Documentation      |
| 2131 | Infrastructure | Task    | New    | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId   | Dave Vieglais  | 2014-10-02 17:21 |                    |
| 2133 | Infrastructure | Task    | New    | Normal   | listObjects() datetime slicing   |                | 2011-12-12 23:15 |                    |
| 2142 | Infrastructure | Task    | New    | Normal   | MNReplication.getReplica() - include PID in signature  | Dave Vieglais  | 2014-10-02 17:21 | Documentation      |
| 2151 | Infrastructure | Task    | New    | Normal   | Ensuring that cited objects are not deleted  |                | 2011-12-23 04:20 |                    |
| 2168 | CN REST        | Task    | New    | Normal   | Design UI for identity validation  | Ben Leinfelder | 2015-01-19 22:59 |                    |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee        | Updated          | Category                      |
|------|----------------|---------|--------|----------|--|-----------------|------------------|-------------------------------|
| 2172 | Infrastructure | Task    | New    | Normal   | Types.DateTime: Example serialization without TZ designator                                | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2227 | Infrastructure | Task    | New    | Normal   | Specify valid mimetypes for responses  | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2342 | Infrastructure | Task    | New    | Normal   | CNCore.reserveldentifier() - Update REST description                                       | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2343 | Infrastructure | Task    | New    | Normal   | Convert style sheets to separate product   | Ben Leinfelder  | 2012-02-15 17:43 |                               |
| 2344 | Infrastructure | Task    | New    | Normal   | Add category for Ben's style sheets in Redmine   | Dave Vieglais   | 2012-02-15 17:45 | Support Operations            |
| 2394 | Infrastructure | Task    | New    | Normal   | CNRead.search() - solr / SOLR  | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2414 | CN REST        | Task    | New    | Normal   | Implement exceptions for search/solr endpoint  | Skye Roseboom   | 2015-01-19 22:49 |                               |
| 2415 | CN REST        | Task    | New    | Normal   | Implement exceptions for log endpoint  | Robert Waltz    | 2015-01-19 22:49 |                               |
| 2464 | Infrastructure | Task    | New    | Normal   | Authentication - no space after comma in subjects  | 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                 |
| 2466 | Infrastructure | Task    | New    | Normal   | Authentication - Remove references to Principal  | 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                 |
| 2487 | CN REST        | Task    | New    | Normal   | How does a CN handle the failure of MN replica to receive MNStorage.sytemMetadataChanged() | Robert Waltz    | 2016-08-10 20:51 |                               |
| 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            |
| 2492 | Infrastructure | Task    | New    | Normal   | Add status page for given {pid}  | Ben Leinfelder  | 2012-03-15 02:02 | d1_monitor                    |
| 2508 | Infrastructure | Task    | New    | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.               | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2545 | Infrastructure | Task    | New    | Normal   | create d1_integration tests using for MN.generateIdentifier                                | Rob Nahf        | 2014-10-02 17:54 | d1_integration                |
| 2548 | Infrastructure | Story   | New    | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users             |                 | 2018-01-17 20:36 | Authentication, Authorization |
| 2549 | Infrastructure | Task    | New    | Normal   | document the decision  | Matthew Jones   | 2012-03-27 22:03 | Authentication, Authorization |
| 2593 | Infrastructure | Task    | New    | Normal   | Prepare science data and metadata content for the workshop                                 | Dave Vieglais   | 2012-04-09 22:52 |                               |
| 2594 | Infrastructure | Task    | New    | Normal   | Prepare a Mercury MN overview for the workshop   | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury                    |
| 2646 | Infrastructure | Task    | New    | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()        | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2660 | Infrastructure | Task    | New    | Normal   | Deciding on a key size for D1 certs  | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2664 | Infrastructure | Task    | New    | Normal   | Create documentation for how transitivity is enacted for authorization                     | Matthew Jones   | 2014-10-01 20:47 | Authentication, Authorization |
| 2685 | Infrastructure | Task    | New    | Normal   | Where's the WIFFM on the DataONE web site for the researcher user?                         |                 | 2012-05-01 15:31 | Support Operations            |

| #    | 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      |
| 2791 | Infrastructure | Task     | New    | Normal   | verify on dev machines   | Dave Vieglais | 2012-05-21 17:41 | d1_cn_buildout     |
| 2793 | Infrastructure | Task     | New    | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header        | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 2794 | Infrastructure | Task     | New    | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | 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      |
| 2810 | Infrastructure | Task     | New    | Normal   | setReplicationStatus() example rwt state transition is incorrect                             | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 2826 | Infrastructure | Task     | New    | Normal   | MNStorage.archive() - Permissions  | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 2896 | Infrastructure | Task     | New    | Normal   | Modify the admin DN in createObjectformat script per environment                             | Chris Jones   | 2012-10-05 14:23 | d1_cn_buildout     |
| 2944 | Infrastructure | Story    | New    | Normal   | Design and implement a MN kill switch mechanism  | Dave Vieglais | 2018-01-17 20:30 | Support Operations |
| 2968 | Java Client    | Bug      | New    | Normal   | cn.getFormat() doesn't use cn associated with the CNode object                               | Rob Nahf      | 2015-02-11 20:56 | d1_libclient_java  |
| 3063 | Infrastructure | Task     | New    | Normal   | Change Mutability of Metadata documentation  | Dave Vieglais | 2014-09-24 18:27 | Documentation      |
| 3067 | Infrastructure | Task     | New    | Normal   | Old DAAC PIDs to archive   | Dave Vieglais | 2013-01-02 14:14 | mn.Mercury         |
| 3076 | Infrastructure | Task     | New    | Normal   | Allow user to specify Morpho storage directory   |               | 2013-03-02 05:29 | Morpho             |
| 3080 | Infrastructure | Task     | New    | Normal   | Calling Dataone client library in morpho   |               | 2013-03-02 05:28 |                    |
| 3082 | Infrastructure | Task     | New    | Normal   | Morpho should not rely on CN for any critical features                                       |               | 2013-03-02 05:26 | Morpho             |
| 3099 | Infrastructure | Decision | New    | Normal   | ONE-Mercury display of data set citation   | Dave Vieglais | 2012-07-23 21:24 | d1_mercury         |
| 3108 | Infrastructure | Task     | New    | Normal   | lastHarvested date is always equal to the current time.                                      | Dave Vieglais | 2012-07-30 22:11 |                    |
| 3115 | Infrastructure | Task     | New    | Normal   | Get R client into working state.   | Andrew Pippin | 2012-08-02 17:32 |                    |
| 3142 | Infrastructure | Task     | New    | Normal   | Need a new local search mechanism  |               | 2013-03-02 05:15 |                    |
| 3166 | Infrastructure | Task     | New    | Normal   | Add d1_common_java and d1_libclient_java and their dependency jar                            |               | 2012-08-31 17:15 |                    |
| 3171 | Infrastructure | Task     | New    | Normal   | Add d1_common_java d1_libclient_java and their dependency jar files to the morpho lib        |               | 2012-08-31 17:27 |                    |
| 3175 | Infrastructure | Task     | New    | Normal   | Include dataoneTypes.xsd in Metacat registered schemas                                       | Chris Jones   | 2012-10-05 14:23 | Metacat            |
| 3177 | Member Nodes   | Task     | New    | Normal   | Contact operators  | Matthew Jones | 2012-09-05 01:46 |                    |
| 3181 | Member Nodes   | Task     | New    | Normal   | Contact PFRP as potential MN   | Matthew Jones | 2013-01-30 21:00 |                    |
| 3198 | Member Nodes   | Task     | New    | Normal   | Initial contact for the USGS MN  | Mike Frame    | 2013-08-23 13:07 |                    |
| 3200 | Member Nodes   | Task     | New    | Normal   | Make initial contact with USGS-NWRC  | Mike Frame    | 2013-10-24 15:23 |                    |
| 3204 | Member Nodes   | Task     | New    | Normal   | Collate MN metadata for review   | Mike Frame    | 2015-12-03 19:36 |                    |

| #    | Project        | Tracker      | Status | Priority | Subject   | Assignee         | Updated          | Category           |
|------|----------------|--------------|--------|----------|---|------------------|------------------|--------------------|
| 3208 | Member Nodes   | Task         | New    | Normal   | Collate node application metadata for the BIOTA - FAPESP MN   | Matthew Jones    | 2015-12-03 19:36 |                    |
| 3210 | Member Nodes   | Task         | New    | Normal   | Collect application metadata for the AKN member node  | Ben Leinfelder   | 2013-01-08 19:23 |                    |
| 3211 | Member Nodes   | MNDeployment | New    | Normal   | Taiwan Ecological Research Network member node  | Ben Leinfelder   | 2014-02-20 21:58 |                    |
| 3212 | Member Nodes   | Task         | New    | Normal   | Collect metadata for the Taiwan TERN member node  | Matthew Jones    | 2014-02-20 21:58 |                    |
| 3216 | Member Nodes   | Task         | New    | Normal   | Contact GEO BON for possible MN   | Matthew Jones    | 2012-09-05 03:29 |                    |
| 3219 | Member Nodes   | MNDeployment | New    | Normal   | iEcolab member node   | Ben Leinfelder   | 2015-11-19 18:01 |                    |
| 3236 | Member Nodes   | MNDeployment | New    | Normal   | UCNRS member node   | Mark Schildhauer | 2013-01-30 20:59 |                    |
| 3239 | Member Nodes   | MNDeployment | New    | Normal   | "Nitrous Oxide emissions Network" member node   |                  | 2018-04-17 17:13 |                    |
| 3260 | Member Nodes   | Task         | New    | Normal   | Scope out the implementation of a CitSci.org MN   | Bruce Wilson     | 2012-09-20 20:51 |                    |
| 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 |
| 3313 | Infrastructure | Task         | New    | Normal   | Configure indexer to handle inline eml data   | Skye Roseboom    | 2012-10-08 21:01 | d1_indexer         |
| 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      |
| 3328 | Infrastructure | Task         | New    | Normal   | Enable a data preview from the search results page  | Chris Jones      | 2012-10-23 19:34 | d1_mercury         |
| 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            |
| 3371 | Infrastructure | Task         | New    | Normal   | unmarshalTypeFromFile method is using FileReader  |                  | 2012-10-29 19:15 |                    |
| 3373 | Infrastructure | Task         | New    | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.   |                  | 2012-11-06 02:05 |                    |
| 3374 | Member Nodes   | Task         | New    | Normal   | Move kepler-library.org Metacat to new server   | Ben Leinfelder   | 2012-11-08 00:31 |                    |
| 3380 | Infrastructure | Task         | New    | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x   | Dave Vieglais    | 2012-12-12 16:50 |                    |
| 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 |                    |
| 3411 | Member Nodes   | Task         | New    | Normal   | Collate documents of relevance to MN deployment and operation   | Dave Vieglais    | 2012-12-01 18:33 |                    |
| 3438 | Infrastructure | Task         | New    | Normal   | Evaluate utility of schema.org  |                  | 2012-12-21 16:15 | Documentation      |
| 3465 | Infrastructure | Task         | New    | Normal   | Improve Metacat listObject slicing  | Ben Leinfelder   | 2013-01-08 18:54 | Metacat            |
| 3466 | Infrastructure | Task         | New    | Normal   | Add synthetic key to systemMetadata table   | Ben Leinfelder   | 2013-01-08 18:30 |                    |
| 3467 | Infrastructure | Task         | New    | Normal   | MN.listObject should use auto-incremented key   | Ben Leinfelder   | 2013-01-08 18:31 | Metacat            |
| 3468 | Infrastructure | Task         | New    | Normal   | Explore how CN.listObject can effectively use auto-incremented key  | Ben Leinfelder   | 2013-01-08 18:35 | Documentation      |



| #    | Project        | Tracker      | Status | Priority | Subject   | Assignee       | Updated          | Category               |
|------|----------------|--------------|--------|----------|---|----------------|------------------|------------------------|
| 3488 | Infrastructure | Task         | New    | Normal   | Create custom merge policy to support managing data/information inconsistency                                 | Chris Jones    | 2014-03-14 17:27 | Metacat                |
| 3501 | Infrastructure | Task         | New    | Normal   | The list of MN objects doesn't show an object, but the direct access shows it                                 |                | 2013-01-18 19:13 |                        |
| 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     |
| 3512 | Infrastructure | Task         | New    | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes                 | Dave Vieglais  | 2013-01-23 16:34 | Environment.Production |
| 3518 | Member Nodes   | Task         | New    | Normal   | Arctos: New MN discussion   | Dave Vieglais  | 2013-01-25 18:27 |                        |
| 3535 | Member Nodes   | Task         | New    | Normal   | Contact LITS prospect MN to scope out prospects   | Matthew Jones  | 2013-01-30 21:15 |                        |
| 3537 | Member Nodes   | Task         | New    | Normal   | Contact followup on Citsci.org MN prospect  | Laura Moyers   | 2014-03-28 18:03 |                        |
| 3567 | Member Nodes   | Task         | New    | Normal   | Unresolvable content on CN from ONEShare  |                | 2016-06-03 13:43 |                        |
| 3572 | Infrastructure | Bug          | New    | Normal   | LDAP not updated for Node when synchronized set to true   | Robert Waltz   | 2014-10-01 22:56 | d1_cn_node_registry    |
| 3577 | Infrastructure | Task         | New    | Normal   | Confusing message about "Ignored Tests present".  | Rob Nahf       | 2013-02-14 22:36 | MNWebChecker           |
| 3596 | Infrastructure | Task         | New    | Normal   | Fix Merritt Repository resource map typing of triple objects  | John Kunze     | 2013-02-19 02:27 | mn.Merritt             |
| 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 |                        |
| 3598 | Infrastructure | Task         | New    | Normal   | Node document subject description is a bit unclear  | Dave Vieglais  | 2014-10-02 17:21 | Documentation          |
| 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 |                        |
| 3612 | Infrastructure | Task         | New    | Normal   | CN SystemMetadata has incomplete obsoletedBy information  | Ben Leinfelder | 2013-03-08 17:43 | Environment.Production |
| 3616 | Infrastructure | Task         | New    | Normal   | Enable ServiceMethodRestriction support in Metacat  | Chris Jones    | 2013-02-27 16:28 | Metacat                |
| 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 |
| 3626 | Infrastructure | Task         | New    | Normal   | Metacat should use correct object format for ESRI profile metadata  | Ben Leinfelder | 2013-02-27 23:56 | Metacat                |
| 3635 | Infrastructure | Task         | New    | Normal   | Phase two Morpho implementation   | Ben Leinfelder | 2013-03-25 22:49 |                        |
| 3643 | Infrastructure | Task         | New    | Normal   | Decide on future of stage-2 environment   | Robert Waltz   | 2015-01-14 00:41 |                        |
| 3656 | Infrastructure | Story        | New    | Normal   | integration testing: what are acceptable pids for update?   | Roger Dahl     | 2018-01-17 20:22 |                        |
| 3658 | DataONE API    | Bug          | New    | Normal   | Deleting objects breaks obsoletes chain traversal   | Chris Jones    | 2015-01-19 22:29 |                        |
| 3681 | Member Nodes   | MNDeployment | New    | Normal   | EPA's Atlantic Ecology Division   | Laura Moyers   | 2016-06-23 00:10 |                        |

| #    | Project        | Tracker      | Status | Priority | Subject  | Assignee            | Updated          | Category                      |
|------|----------------|--------------|--------|----------|--|---------------------|------------------|-------------------------------|
| 3700 | Infrastructure | Bug          | New    | Normal   | MNodeService.replicate will not request new object if existing on MN                                       | Chris Jones         | 2015-01-06 19:43 | Metacat                       |
| 3720 | Infrastructure | Story        | New    | Normal   | resource maps should be validated  | Dave Vieglais       | 2018-01-17 20:17 | Documentation                 |
| 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                 |
| 3757 | Infrastructure | Task         | New    | Normal   | Verify Log reporting in MN Tester  | Rob Nahf            | 2013-05-10 17:42 | d1_integration                |
| 3768 | Infrastructure | Task         | New    | Normal   | Add canonical DataONE description paper to citing DataONE web-page   | Amber Budden        | 2013-05-16 22:20 | Community Engagement          |
| 3774 | Member Nodes   | Task         | New    | Normal   | return NotFound exceptions for /meta and /object calls using "near miss" identifiers                       | Ryan Scherle        | 2014-03-14 18:22 |                               |
| 3807 | Infrastructure | Task         | New    | Normal   | Add documentation for Types.QueryEngineDescription   | Dave Vieglais       | 2014-10-02 17:21 | Documentation                 |
| 3810 | Infrastructure | Task         | New    | Normal   | Identify and setup location for user oriented operational docs   | Dave Vieglais       | 2014-09-24 18:27 | Support Operations            |
| 3811 | Infrastructure | Task         | New    | Normal   | Document the "non-standard" certificates being used for accessing content in DataONE and it's member nodes | Rob Nahf            | 2014-09-24 18:27 | Support Operations            |
| 3844 | Member Nodes   | MNDeployment | New    | Normal   | Oregon Explorer program at OSU   | Laura Moyers        | 2015-11-19 17:22 |                               |
| 3869 | Infrastructure | Bug          | New    | Normal   | wrong key set in portal/WEB-INF/client.xml   | Robert Waltz        | 2016-08-10 20:58 | d1_cn_buildout                |
| 3878 | Infrastructure | Task         | New    | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation  | Dave Vieglais       | 2014-09-24 18:27 |                               |
| 3879 | Infrastructure | Task         | New    | Normal   | 4.2.1.2 Missing Policies and Expectations  |                     | 2014-09-24 18:27 | Environment.Production        |
| 3880 | Infrastructure | Task         | New    | Normal   | 4.2.1.3 CILogon Extension Not Documented   |                     | 2014-09-24 18:27 | Environment.Production        |
| 3881 | Infrastructure | Task         | New    | Normal   | 4.2.1.4 Definition of Verified User Lacking  | Dave Vieglais       | 2014-09-24 18:27 | Documentation                 |
| 3891 | Infrastructure | Task         | New    | Normal   | review vulnerability to BREACH attacks   | Dave Vieglais       | 2013-08-07 15:01 | Authentication, Authorization |
| 3894 | Infrastructure | Task         | New    | Normal   | This task contains all the bugs related to the story   |                     | 2014-09-24 18:27 |                               |
| 3895 | Infrastructure | Task         | New    | Normal   | Can we add bugs to a task in a story?  |                     | 2014-09-24 18:27 |                               |
| 3901 | Infrastructure | Task         | New    | Normal   | Review Mozilla Persona as an alternative for identity management   | Dave Vieglais       | 2013-08-09 11:57 | Documentation                 |
| 3907 | Infrastructure | Task         | New    | Normal   | MN Integration Test - verify system metadata returned matches expected                                     | Rob Nahf            | 2013-08-09 18:48 | d1_integration                |
| 3924 | Infrastructure | Task         | New    | Normal   | Pids in ObjectList should be the same as pids in the systemMetadata Map                                    | Rob Nahf            | 2014-10-01 22:04 | MNWebChecker                  |
| 3925 | Infrastructure | Task         | New    | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN                                | Rob Nahf            | 2014-10-01 22:04 | MNWebChecker                  |
| 3974 | Infrastructure | Task         | New    | Normal   | Complete agenda for meeting  | Dave Vieglais       | 2013-09-11 20:59 |                               |
| 3980 | Member Nodes   | Task         | New    | Normal   | Missing content  | Chris Jones         | 2013-09-25 21:48 |                               |
| 3989 | Member Nodes   | Task         | New    | Normal   | USGS Clearinghouse resource maps have discrepancies with CN  | Ranjeet Devarakonda | 2013-09-26 23:34 |                               |

| #    | Project        | Tracker      | Status | Priority | Subject   | Assignee      | Updated          | Category               |
|------|----------------|--------------|--------|----------|---|---------------|------------------|------------------------|
| 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 |                        |
| 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 |                        |
| 4038 | Infrastructure | Feature      | New    | Normal   | change default replication implementation   | Matthew Jones | 2014-10-01 21:26 | d1_replication         |
| 4051 | Infrastructure | Feature      | New    | Normal   | MN Stack supporting Fedora Commons  |               | 2014-10-02 21:39 | mn.Fedora              |
| 4059 | Infrastructure | Task         | New    | Normal   | Add test to verify node is reporting correct nodeld in log records  | Rob Nahf      | 2013-10-07 19:10 |                        |
| 4067 | Infrastructure | Bug          | New    | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.               | Robert Waltz  | 2016-08-10 21:01 | d1_cn_service          |
| 4068 | Member Nodes   | Task         | New    | Normal   | Coordinate discussions for biodiversity data in DataONE with TDWG participants                            | Dave Vieglais | 2016-06-17 19:31 |                        |
| 4091 | Infrastructure | Story        | New    | Normal   | ESRI GeoPortal MN stack   |               | 2013-10-15 13:36 |                        |
| 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     |
| 4102 | Infrastructure | Task         | New    | Normal   | Add expiration policy for CNCORE.reserveldentifier()  | Dave Vieglais | 2014-10-02 17:21 | Documentation          |
| 4117 | Member Nodes   | Task         | New    | Normal   | Issue Test certs for FRIM   |               | 2015-01-23 19:02 |                        |
| 4118 | Member Nodes   | Task         | New    | Normal   | Validate FRIM sync against stage environment  |               | 2015-01-23 19:02 |                        |
| 4120 | Infrastructure | Task         | New    | Normal   | Display total data downloads in the SummaryView header  | Skye Roseboom | 2014-03-31 17:41 | d1_dashboard           |
| 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           |
| 4129 | Infrastructure | Bug          | New    | Normal   | Only configure ufw ports for machines in xml configuration file   | Robert Waltz  | 2016-08-10 20:47 | d1_cn_buildout         |
| 4142 | Infrastructure | Bug          | New    | Normal   | dataone-cn-processdaemon prerm needs to be reconfiguration friendly                                       | Robert Waltz  | 2016-08-10 20:58 | d1_cn_buildout         |
| 4176 | Infrastructure | Bug          | New    | Normal   | The archive method in CN doesn't call back to the authoritative and replica MNs.                          |               | 2014-10-01 21:25 |                        |
| 4190 | Infrastructure | Task         | New    | Normal   | Update architecture docs to import dataoneErrors.xsd  | Dave Vieglais | 2014-09-24 18:28 | Documentation          |
| 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 |
| 4211 | Infrastructure | Bug          | New    | Normal   | Potential race condition between archive and replication  | Chris Jones   | 2014-09-25 17:19 | d1_cn_service          |
| 4278 | Infrastructure | Story        | New    | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements                              | Jing Tao      | 2018-01-17 20:04 | d1_indexer             |
| 4296 | Member Nodes   | MNDeployment | New    | Normal   | Sierra Nevada Global Change Observatory Member Node   | Laura Moyers  | 2017-01-30 17:01 |                        |
| 4650 | Infrastructure | Story        | New    | Normal   | Allow MN to bias resolve to the authoritative MN  | Rob Nahf      | 2018-01-17 20:00 | d1_cn_common           |
| 4655 | Java Client    | Task         | New    | Normal   | Pom appears to bring in plugins as project dependencies (maven-jar-plugin, maven-clean-plugin)            |               | 2015-02-11 20:08 |                        |

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