

## 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         |
| 318  | Requirements   | Requirement  | New         | High      | (Requirement) Sponsor required Y1 functionality  | Dave Viegla  | 2010-09-06 03:24 | d1_common_java     |
| 384  | Requirements   | Requirement  | New         | High      | (Requirement) Enable efficient mechanisms for users to discover content  | Dave Viegla  | 2010-09-06 03:58 | d1_common_java     |
| 390  | Requirements   | Requirement  | New         | High      | (Requirement) Consistent mechanism for identifying users   | Dave Viegla  | 2010-09-06 20:50 | Requirement        |
| 391  | Requirements   | Requirement  | New         | High      | (Requirement) Enable different classes of users commensurate with their roles.   | Dave Viegla  | 2010-09-06 20:51 | Requirement        |
| 392  | Requirements   | Requirement  | New         | High      | (Requirement) Identity and access control should be interoperable across datanets  | Dave Viegla  | 2010-09-06 20:31 | Requirement        |
| 393  | Requirements   | Requirement  | New         | High      | (Requirement) Access control rule evaluation must be highly scalable and responsive.   | Dave Viegla  | 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 Viegla  | 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 Viegla  | 2010-09-06 03:06 | Requirement        |
| 762  | Requirements   | Requirement  | New         | High      | (Requirement) User identities can be derived from existing institutional directory services  | Dave Viegla  | 2010-09-06 03:01 | Requirement        |
| 763  | Requirements   | Requirement  | New         | High      | (Requirement) Authentication and authorization services are geographically replicated  | Dave Viegla  | 2010-09-06 20:52 | Requirement        |
| 764  | Requirements   | Requirement  | New         | High      | (Requirement) Authentication and access control should be consistently available   | Dave Viegla  | 2010-09-06 20:32 | Requirement        |
| 765  | Requirements   | Requirement  | New         | High      | (Requirement) Tools can access an API for authn and authz  | Dave Viegla  | 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 Viegla  | 2010-08-11 00:11 | Requirement        |

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| 767  | Requirements   | Requirement  | New         | High     | (Requirement) Users need to be able to express embargo rules for data   | Dave Vieglaiss | 2010-08-11 00:16 | Requirement    |
| 768  | Requirements   | Requirement  | New         | High     | (Requirement) Need default authz policies that resolve problems associated with inaccessible principals   | Dave Vieglaiss | 2010-08-11 00:34 | Requirement    |
| 769  | Requirements   | Requirement  | New         | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators   | Dave Vieglaiss | 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 Vieglaiss | 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 Vieglaiss | 2010-09-06 03:12 | Requirement    |
| 772  | Requirements   | Requirement  | New         | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications  | Dave Vieglaiss | 2010-08-11 07:54 | Requirement    |
| 777  | Requirements   | Requirement  | New         | High     | (Requirement) Authorization rules should support common permission levels   | Dave Vieglaiss | 2010-09-06 20:49 | Requirement    |
| 795  | Requirements   | Requirement  | New         | High     | (Requirement) System must support revocation of user permissions  | Dave Vieglaiss | 2010-08-29 20:45 | Requirement    |
| 820  | Requirements   | Requirement  | New         | High     | (Requirement) Common API for authentication and authorization operations  | Dave Vieglaiss | 2010-09-06 21:23 | Requirement    |
| 821  | Requirements   | Requirement  | New         | High     | (Requirement) Sponsor required functionality  | Dave Vieglaiss | 2010-09-06 03:28 | d1_common_java |
| 822  | Requirements   | Requirement  | New         | High     | (Requirement) Object access and manipulation should be responsive   | Dave Vieglaiss | 2010-09-06 20:27 | d1_common_java |
| 1556 | Infrastructure | Task         | In Progress | High     | Interns mailing list  |                | 2011-05-12 23:02 |                |
| 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 |                |
| 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 |                |
| 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 |                |

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| 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 Viegla    | 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 |                         |
| 7686 | Member Nodes   | Task         | Testing     | High     | tDAR - Enable URL links out to data from search results                           | Ben Leinfelder | 2016-09-27 15:56 |                         |
| 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                 |
| 8026 | Infrastructure | Task         | Testing     | High     | Portal reaches the maximum capacity in a pool                                     | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet       |
| 8076 | Infrastructure | Bug          | New         | High     | sysmeta can not be retrieved for some objects                                     | Dave Viegla    | 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              |
| 8195 | Infrastructure | Bug          | In Progress | High     | Tomcat out of memory error  | Dave Viegla    | 2017-12-26 20:01 |                         |
| 8500 | Infrastructure | Bug          | New         | High     | Geohash not calculated properly   | Jing Tao       | 2018-03-14 17:06 | d1_indexer              |
| 8525 | Infrastructure | Story        | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization                  | Rob Nahf       | 2018-11-16 17:32 | d1_synchronization      |
| 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 Viegla    | 2019-06-19 02:43 |                         |
| 8824 | Infrastructure | Task         | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs                                  | Dave Viegla    | 2019-06-19 12:11 |                         |
| 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              |
| 725  | Infrastructure | Story        | In Progress | Normal   | Create Authentication and Access control design specifications                    | Dave Viegla    | 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          |
| 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 |                         |

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| 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 |                     |
| 1073 | Infrastructure | Task    | New         | Normal   | Design client application authentication redirection approach     | Matthew Jones  | 2014-10-01 20:47 | d1_identity_manager |
| 1159 | Infrastructure | Task    | In Progress | Normal   | Add description of Group creation and management to design specs. | Matthew Jones  | 2014-10-01 20:47 |                     |
| 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 Vieglaiss | 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   | tracelnformation -> 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 |                     |
| 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 Vieglaiss | 2015-01-19 23:06 |                     |
| 1443 | DataONE API    | Task    | New         | Normal   | Identify operational requirements for monitoring and logging      | Dave Vieglaiss | 2015-01-19 23:06 |                     |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                   | Matthew Jones  | 2014-10-01 20:47 | Documentation       |
| 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 |                     |
| 1479 | CN REST        | Task    | In Progress | Normal   | Design web UI for validating newly created identities             | Ben Leinfelder | 2015-01-19 22:59 |                     |
| 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 |                     |

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| 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 |                    |
| 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 Viegla   | 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 Viegla   | 2014-10-02 17:21 | Documentation      |
| 1983 | Infrastructure | Task    | New    | Normal   | UC04 describes MNCORE.ping() with discovery capability   | Dave Viegla   | 2014-10-02 17:21 | Documentation      |

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| 1986 | Infrastructure | Task    | New         | Normal   | Update UC04 to use correct CN method for determining if a PID exists    | Dave Vieglaiss | 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 Vieglaiss | 2014-09-24 18:29 | Management              |
| 2029 | Infrastructure | Task    | New         | Normal   | Document VM specifications for replication MNs                          | Dave Vieglaiss | 2014-09-24 18:29 | Management              |
| 2030 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UNM  | Dave Vieglaiss | 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 Vieglaiss | 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 Vieglaiss | 2014-10-02 17:21 | Documentation           |
| 2083 | Infrastructure | Task    | New         | Normal   | Split the CN API into public and private sections                       | Dave Vieglaiss | 2014-10-02 17:21 | Documentation           |
| 2123 | Infrastructure | Task    | New         | Normal   | Description of serialVersion  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation           |
| 2131 | Infrastructure | Task    | New         | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId                  | Dave Vieglaiss | 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 Vieglaiss | 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 |                         |
| 2169 | Infrastructure | Task    | In Progress | Normal   | Design content and layout for status page                               | Dave Vieglaiss | 2012-03-14 20:40 | d1_monitor              |
| 2172 | Infrastructure | Task    | New         | Normal   | Types.DateTime: Example serialization without TZ designator             | Dave Vieglaiss | 2014-10-02 17:21 | Documentation           |
| 2227 | Infrastructure | Task    | New         | Normal   | Specify valid mimetypes for responses                                   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation           |
| 2342 | Infrastructure | Task    | New         | Normal   | CNCore.reserveIdentifier() - Update REST description                    | Dave Vieglaiss | 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 Vieglaiss | 2012-02-15 17:45 | Support Operations      |
| 2394 | Infrastructure | Task    | New         | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation           |
| 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 |
| 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 |                         |

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| 2464 | Infrastructure | Task    | New         | Normal   | Authentication - no space after comma in subjects  | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2465 | Infrastructure | Task    | New         | Normal   | Authentication - Remove TODO about selecting format for principal name                       | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2466 | Infrastructure | Task    | New         | Normal   | Authentication - Remove references to Principal  | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2475 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null                                 | Dave Vieglaiss  | 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 Vieglaiss  | 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 Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2540 | Infrastructure | Feature | In Progress | Normal   | add generateIdentifier() method to MNStorage API   | Dave Vieglaiss  | 2014-10-02 17:54 | 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 |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09   | Skye Roseboom   | 2014-09-11 15:47 | d1_replication                |
| 2593 | Infrastructure | Task    | New         | Normal   | Prepare science data and metadata content for the workshop                                   | Dave Vieglaiss  | 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                    |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions                                       | Andrew Pippin   | 2012-07-06 16:25 | d1_mn_GMN                     |
| 2646 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()          | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2660 | Infrastructure | Task    | New         | Normal   | Deciding on a key size for D1 certs  | Dave Vieglaiss  | 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            |
| 2688 | Infrastructure | Task    | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison | Dave Vieglaiss  | 2014-09-24 18:27 | Documentation                 |
| 2791 | Infrastructure | Task    | New         | Normal   | verify on dev machines   | Dave Vieglaiss  | 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 Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2794 | Infrastructure | Task    | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee       | Updated          | Category           |
|------|----------------|--------------|-------------|----------|---|----------------|------------------|--------------------|
| 2809 | Infrastructure | Task         | New         | Normal   | MNStorage.update() - Make behavior explicit   | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 2810 | Infrastructure | Task         | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect                      | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 2826 | Infrastructure | Task         | New         | Normal   | MNStorage.archive() - Permissions   | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 2827 | Infrastructure | Task         | In Progress | Normal   | nesting groups requires schema change*  | Dave Viegla    | 2015-06-25 22:00 | d1_schemas         |
| 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 Viegla    | 2018-01-17 20:30 | Support Operations |
| 2956 | Infrastructure | Task         | In Progress | Normal   | content-checking tests for MNs entering an environment                                | Rob Nahf       | 2014-10-01 22:04 | d1_integration     |
| 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  |
| 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  |
| 3063 | Infrastructure | Task         | New         | Normal   | Change Mutability of Metadata documentation   | Dave Viegla    | 2014-09-24 18:27 | Documentation      |
| 3067 | Infrastructure | Task         | New         | Normal   | Old DAAC PIDs to archive  | Dave Viegla    | 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 Viegla    | 2012-07-23 21:24 | d1_mercury         |
| 3108 | Infrastructure | Task         | New         | Normal   | lastHarvested date is always equal to the current time.                               | Dave Viegla    | 2012-07-30 22:11 |                    |
| 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 |                    |
| 3115 | Infrastructure | Task         | New         | Normal   | Get R client into working state.  | Andrew Pippin  | 2012-08-02 17:32 |                    |
| 3122 | Infrastructure | Bug          | In Progress | Normal   | asterisk in search term   | Skye Roseboom  | 2014-10-02 18:02 | d1_mercury         |
| 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 |                    |
| 3172 | Member Nodes   | MNDeployment | Operational | Normal   | Replication instance at UNM   | Dave Viegla    | 2018-08-31 15:22 |                    |
| 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 |                    |
| 3180 | Member Nodes   | MNDeployment | Deferred    | Normal   | PFRP - Pelagic Fisheries Research Program   | Matthew Jones  | 2014-05-29 19:25 |                    |
| 3181 | Member Nodes   | Task         | New         | Normal   | Contact PFRP as potential MN  | Matthew Jones  | 2013-01-30 21:00 |                    |



| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee         | Updated          | Category           |
|------|----------------|--------------|-------------|----------|---|------------------|------------------|--------------------|
| 3185 | Member Nodes   | Task         | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN  | Dave Vieglaiss   | 2012-09-05 02:12 |                    |
| 3191 | Member Nodes   | MNDeployment | Deferred    | Normal   | UC Vertnet Member Node  | Dave Vieglaiss   | 2017-01-31 14:54 |                    |
| 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 |                    |
| 3201 | Member Nodes   | MNDeployment | Operational | Normal   | Taiwan Forestry Research Institute  | Amy Forrester    | 2019-10-08 15:26 |                    |
| 3203 | Member Nodes   | MNDeployment | Deferred    | Normal   | PELD member node  | Matthew Jones    | 2016-06-17 19:32 |                    |
| 3204 | Member Nodes   | Task         | New         | Normal   | Collate MN metadata for review  | Mike Frame       | 2015-12-03 19:36 |                    |
| 3207 | Member Nodes   | MNDeployment | Deferred    | Normal   | BIOTA - FAPESP MN   | Matthew Jones    | 2016-06-17 19:32 |                    |
| 3208 | Member Nodes   | Task         | New         | Normal   | Collate node application metadata for the BIOTA - FAPESP MN   | Matthew Jones    | 2015-12-03 19:36 |                    |
| 3209 | Member Nodes   | MNDeployment | Deferred    | Normal   | Avian Knowledge Network/Cornell Laboratory of Ornithology   | Ben Leinfelder   | 2016-06-17 19:31 |                    |
| 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 |                    |
| 3213 | Member Nodes   | MNDeployment | Operational | Normal   | University of Illinois, Chicago member node   | Jing Tao         | 2020-01-23 22:42 |                    |
| 3215 | Member Nodes   | MNDeployment | Deferred    | Normal   | GEO BON member node   | Matthew Jones    | 2016-06-20 14:26 |                    |
| 3216 | Member Nodes   | Task         | New         | Normal   | Contact GEO BON for possible MN   | Matthew Jones    | 2012-09-05 03:29 |                    |
| 3217 | Member Nodes   | MNDeployment | Deferred    | Normal   | EMBRAPA member node   | Matthew Jones    | 2016-06-17 19:31 |                    |
| 3219 | Member Nodes   | MNDeployment | New         | Normal   | iEcolab member node   | Ben Leinfelder   | 2015-11-19 18:01 |                    |
| 3220 | Member Nodes   | Task         | In Progress | Normal   | contact iEcolab to determine possible MN role   | Ben Leinfelder   | 2013-10-01 17:53 |                    |
| 3228 | Member Nodes   | MNDeployment | Operational | Normal   | NCEI - National Centers for Environmental Information   | Dave Vieglaiss   | 2019-07-08 16:28 |                    |
| 3230 | Member Nodes   | MNDeployment | Planning    | Normal   | ARM - Atmospheric Radiation Measurement member node   | John Evans       | 2019-11-25 20:10 |                    |
| 3234 | Member Nodes   | MNDeployment | Testing     | Normal   | CyVerse (iPlant) member node  | Rob Nahf         | 2019-03-05 18:36 |                    |
| 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 Vieglaiss   | 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 Vieglaiss   | 2014-10-02 17:21 | Documentation      |
| 3315 | Infrastructure | Task         | New         | Normal   | CNRead.query() - POST in addition to GET  | Dave Vieglaiss   | 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         |

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee       | Updated          | Category               |
|------|----------------|--------------|-------------|----------|---|----------------|------------------|------------------------|
| 3332 | Infrastructure | Task         | In Progress | Normal   | Revise use cases and add sample code  | Dave Vieglaiss | 2014-09-24 18:27 | Documentation          |
| 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 Vieglaiss | 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 Vieglaiss | 2012-12-01 18:33 |                        |
| 3419 | Infrastructure | Task         | In Progress | Normal   | CNRead.describe() does not return Content-Length header   | Chris Jones    | 2013-02-21 18:41 | Metacat                |
| 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          |
| 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 Vieglaiss | 2013-01-23 16:34 | Environment.Production |
| 3518 | Member Nodes   | Task         | New         | Normal   | Arctos: New MN discussion   | Dave Vieglaiss | 2013-01-25 18:27 |                        |
| 3529 | Member Nodes   | MNDeployment | Operational | Normal   | Replication instance at ORC   | Dave Vieglaiss | 2018-08-31 15:21 |                        |
| 3530 | Member Nodes   | MNDeployment | Operational | Normal   | Replication instance at UCSB  | Dave Vieglaiss | 2018-08-31 15:22 |                        |
| 3531 | Member Nodes   | MNDeployment | Operational | Normal   | Gulf of Alaska Data Portal  | Laura Moyers   | 2018-05-15 17:40 |                        |
| 3535 | Member Nodes   | Task         | New         | Normal   | Contact LITS prospect MN to scope out prospects   | Matthew Jones  | 2013-01-30 21:15 |                        |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|----------------|--------------|-------------|----------|--|----------------|------------------|------------------------|
| 3537 | Member Nodes   | Task         | New         | Normal   | Contact followup on Citsci.org MN prospect   | Laura Moyers   | 2014-03-28 18:03 |                        |
| 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 |                        |
| 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           |
| 3591 | Infrastructure | Story        | In Progress | Normal   | Content consistency checks for new member nodes  | Rob Nahf       | 2018-01-17 20:23 | 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 Vieglaiss | 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 |                        |
| 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 |
| 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                |
| 3624 | Infrastructure | Task         | Testing     | Normal   | Update CN index processing to support ESRI FGDC metadata format  | Skye Roseboom  | 2013-03-05 23:27 | d1_indexer             |
| 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 |                        |
| 3686 | Member Nodes   | MNDeployment | Deferred    | Normal   | Movebank for Animal Tracking Data  | Laura Moyers   | 2013-12-05 19:31 |                        |
| 3687 | Member Nodes   | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems   | Amy Forrester  | 2019-10-08 15:29 |                        |
| 3689 | Member Nodes   | MNDeployment | Deferred    | Normal   | University of South Carolina, Computer Science Department  |                | 2018-08-31 15:26 |                        |
| 3700 | Infrastructure | Bug          | New         | Normal   | MNodeService.replicate will not request new object if existing on MN                                   | Chris Jones    | 2015-01-06 19:43 | Metacat                |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee       | Updated          | Category                      |
|------|----------------|--------------|-------------|----------|--|----------------|------------------|-------------------------------|
| 3708 | Member Nodes   | MNDeployment | Operational | Normal   | Minnesota Population Center  | Laura Moyers   | 2018-08-06 19:43 |                               |
| 3720 | Infrastructure | Story        | New         | Normal   | resource maps should be validated  | Dave Vieglaiss | 2018-01-17 20:17 | Documentation                 |
| 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             |
| 3728 | Infrastructure | Task         | New         | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata    | Dave Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 3748 | Member Nodes   | MNDeployment | Operational | Normal   | PPBIO Member Node  | Jing Tao       | 2018-08-31 15:20 |                               |
| 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 Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 3810 | Infrastructure | Task         | New         | Normal   | Identify and setup location for user oriented operational docs   | Dave Vieglaiss | 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 |                               |
| 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 |                               |
| 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 Vieglaiss | 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 Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 3891 | Infrastructure | Task         | New         | Normal   | review vulnerability to BREACH attacks   | Dave Vieglaiss | 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 Vieglaiss | 2013-08-09 11:57 | Documentation                 |
| 3905 | Infrastructure | Task         | In Progress | Normal   | Sort out shell logins for splunk system  | Bruce Wilson   | 2013-08-23 13:27 | Support Operations            |
| 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                  |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee            | Updated          | Category           |
|------|----------------|--------------|-------------|----------|--|---------------------|------------------|--------------------|
| 3964 | Member Nodes   | MNDeployment | Deferred    | Normal   | EU BON Member Node   | Bruce Wilson        | 2016-10-24 20:49 |                    |
| 3974 | Infrastructure | Task         | New         | Normal   | Complete agenda for meeting  | Dave Viegla         | 2013-09-11 20:59 |                    |
| 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       |
| 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 |                    |
| 3994 | Member Nodes   | Task         | New         | Normal   | Stories and bugs are showing up in the MN Dashboard; should be restricted to MNDeployment trackers | Dave Viegla         | 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     |
| 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 |                    |
| 4051 | Infrastructure | Feature      | New         | Normal   | MN Stack supporting Fedora Commons   |                     | 2014-10-02 21:39 | mn.Fedora          |
| 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 Viegla         | 2013-10-06 20:11 | mn.OPeNDAP         |
| 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 Viegla         | 2016-06-17 19:31 |                    |
| 4083 | Member Nodes   | MNDeployment | Deferred    | Normal   | Forest Research Institute Malaysia (FRIM)  | Laura Moyers        | 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 Viegla         | 2014-07-31 22:23 | d1_synchronization |
| 4102 | Infrastructure | Task         | New         | Normal   | Add expiration policy for CNCORE.reservedIdentifier()  | Dave Viegla         | 2014-10-02 17:21 | Documentation      |
| 4115 | Member Nodes   | MNDeployment | Deferred    | Normal   | UTK Institutional Repository   |                     | 2018-04-17 17:32 |                    |
| 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 |                    |
| 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       |

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee          | Updated          | Category               |
|------|----------------|--------------|-------------|----------|---|-------------------|------------------|------------------------|
| 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         |
| 4136 | Infrastructure | Task         | In Progress | Normal   | Make cosmetic changes to the distribution map   | Chris Jones       | 2014-03-31 17:41 | d1_dashboard           |
| 4142 | Infrastructure | Bug          | New         | Normal   | dataone-cn-processdaemon prerm needs to be reconfiguration friendly   | Robert Waltz      | 2016-08-10 20:58 | d1_cn_buildout         |
| 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            |
| 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 |                        |
| 4188 | Infrastructure | Story        | In Progress | Normal   | dataone Exception definition and implementation requires clarification  | Dave Viegla       | 2018-01-17 20:05 | d1_schemas             |
| 4189 | Infrastructure | Task         | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation   | Dave Viegla       | 2017-01-14 00:24 | d1_schemas             |
| 4190 | Infrastructure | Task         | New         | Normal   | Update architecture docs to import dataoneErrors.xsd  | Dave Viegla       | 2014-09-24 18:28 | Documentation          |
| 4192 | Infrastructure | Task         | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition  | Dave Viegla       | 2014-09-24 18:28 | Management             |
| 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          |
| 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     |
| 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 |                        |
| 4463 | Infrastructure | Story        | In Progress | Normal   | Incorporate Node Replication Policy into replication processing   | Rob Nahf          | 2018-01-17 20:03 | d1_replication         |
| 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 |                        |
| 4657 | Java Client    | Task         | New         | Normal   | Pom versions are mixed between properties and inline (e.g. <version>1.8.4</version>)  | Rob Nahf          | 2015-02-11 20:08 |                        |
| 4660 | Java Client    | Task         | New         | Normal   | src/main/java has XML files   | Robert Waltz      | 2015-02-11 20:08 | d1_common_java         |
| 4661 | Java Client    | Task         | New         | Normal   | Deprecated methods give no indication of the (Java) version in which they will be removed   |                   | 2015-02-11 20:08 |                        |
| 4663 | Java Client    | Task         | New         | Normal   | src/main/resources appears to have config for log4j through commons-logging but neither logging library is declared as a test scope dependency. |                   | 2015-02-11 20:08 |                        |
| 4664 | Java Client    | Task         | New         | Normal   | Related to above: Test classes bring in org.apache.log4j.Logger but it is not declared as a test dependency                                     |                   | 2015-02-11 20:08 |                        |

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee      | Updated          | Category               |
|------|----------------|--------------|-------------|----------|---|---------------|------------------|------------------------|
| 4665 | Java Client    | Task         | New         | Normal   | Tests contain redundant code.   |               | 2015-02-11 20:08 |                        |
| 4666 | Java Client    | Task         | New         | Normal   | - All types have the same serialVersionUID (10000000)   |               | 2015-02-11 20:08 |                        |
| 4667 | Java Client    | Task         | New         | Normal   | - (Important!) No types implement equals or hashCode  |               | 2015-02-11 20:08 |                        |
| 4668 | Java Client    | Task         | New         | Normal   | - No types implement toString   |               | 2015-02-11 20:08 |                        |
| 4669 | Java Client    | Task         | New         | Normal   | - Regarding the style: A good addition to the types would be some builders, static factories and constructors as applicable |               | 2015-02-11 20:08 |                        |
| 4670 | Java Client    | Task         | New         | Normal   | - Regarding the style: The types are fully mutable with no field validations or constraints.                                |               | 2015-02-11 20:08 |                        |
| 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 |                        |
| 4673 | Java Client    | Task         | New         | Normal   | Pom has warnings:   |               | 2015-02-11 20:08 |                        |
| 4675 | Infrastructure | Task         | New         | Normal   | Administratively delete those pids with the white spaces  |               | 2014-09-24 18:09 |                        |
| 4700 | Member Nodes   | MNDeployment | Operational | Normal   | IARC (International Arctic Research Center) Data Archive  | Amy Forrester | 2019-10-08 15:20 |                        |
| 4704 | Infrastructure | Task         | New         | Normal   | Create a view of MN holdings from a CN perspective  | Dave Viegla   | 2014-04-09 15:33 |                        |
| 4711 | Infrastructure | Task         | New         | Normal   | replace SSL Certs for cn-unm-1.dataone.org  |               | 2014-09-24 18:14 |                        |
| 4712 | Infrastructure | Task         | New         | Normal   | replace SSL cert for cn-ucsb-1.dataone.org  |               | 2014-09-24 18:14 |                        |
| 4713 | Infrastructure | Task         | New         | Normal   | replace SSL cert fo cn-orc-1.dataone.org  |               | 2014-09-24 18:14 |                        |
| 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 |
| 4717 | Infrastructure | Task         | New         | Normal   | refresh client certificate for mn-unm-2.dataone.org   |               | 2014-09-24 18:14 |                        |
| 4719 | Infrastructure | Task         | In Progress | Normal   | Replace CN client certificate   | Chris Jones   | 2014-09-24 18:14 | Environment.Production |
| 4722 | Infrastructure | Task         | New         | Normal   | Clarify permissions for CN  | Dave Viegla   | 2014-10-02 17:21 |                        |
| 4723 | Infrastructure | Task         | New         | Normal   | MN recognition of CN  | Dave Viegla   | 2014-10-02 17:21 |                        |
| 4730 | Member Nodes   | MNDeployment | Testing     | Normal   | Global Biodiversity Information Facility  | Dave Viegla   | 2018-09-26 19:45 |                        |
| 5121 | Member Nodes   | Task         | New         | Normal   | Fix DryadDataFile instance documents with no dcterms:creator element  | Chris Jones   | 2014-04-30 19:25 |                        |
| 5122 | Member Nodes   | Task         | New         | Normal   | Verify/update information in TFRI's node registration   | Chris Jones   | 2014-04-18 16:51 |                        |
| 5136 | Infrastructure | Task         | New         | Normal   | Change DNS settings on all DataONE VMs  | Chris Jones   | 2014-05-08 03:16 | Environment.Production |
| 5137 | Infrastructure | Task         | New         | Normal   | Fix DataONE CA chain file location in cn-buildout   | Chris Jones   | 2014-04-25 15:06 | d1_cn_buildout         |
| 5141 | Infrastructure | Story        | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document  | Dave Viegla   | 2018-01-17 19:58 | Documentation          |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee          | Updated          | Category               |
|------|----------------|--------------|-------------|----------|--|-------------------|------------------|------------------------|
| 5145 | Infrastructure | Feature      | New         | Normal   | Consider including cert subject(s) in NotAuthorized exceptions           | Chris Jones       | 2014-09-25 17:44 | d1_cn_service          |
| 5313 | Java Client    | Task         | New         | Normal   | enable remote deployment of product packages from Hudson / Jenkins       | Rob Nahf          | 2015-02-11 20:34 |                        |
| 5321 | Infrastructure | Bug          | New         | Normal   | Multiple Hazelcast Client connections to same storage instance           | Robert Waltz      | 2016-08-10 20:58 | d1_process_daemon      |
| 5322 | MN Dashboard   | Feature      | New         | Normal   | Add support for right, left keys on dashboard detail pages               | Skye Roseboom     | 2015-04-29 22:47 |                        |
| 5449 | Member Nodes   | Task         | In Progress | Normal   | Resolve resource map issues for LTER-Europe                              | Chris Jones       | 2014-06-20 17:59 |                        |
| 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 |                        |
| 5451 | Member Nodes   | MNDeployment | Operational | Normal   | Cary Institute (via Figshare)  | Monica Ihli       | 2019-04-17 21:39 |                        |
| 5453 | Member Nodes   | MNDeployment | Deferred    | Normal   | Dataverse  | Laura Moyers      | 2018-07-24 16:41 |                        |
| 5454 | Member Nodes   | Task         | New         | Normal   | Evaluate dataverse potential MN  | Bruce Wilson      | 2014-05-29 19:30 |                        |
| 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 |                        |
| 5457 | Member Nodes   | MNDeployment | New         | Normal   | NSIDC- National Snow and Ice Data Center                                 | Bruce Wilson      | 2018-04-10 19:12 |                        |
| 5498 | Infrastructure | Task         | New         | Normal   | Determine the cause of the Jun2014 cn-orc-1 out of memory issue          | Michael Campfield | 2014-10-31 19:11 | Environment.Production |
| 5515 | MN Dashboard   | Feature      | New         | Normal   | Add number of MNs to overview display                                    | Skye Roseboom     | 2015-04-29 22:48 |                        |
| 5516 | MN Dashboard   | Feature      | New         | Normal   | Date formatting  | Skye Roseboom     | 2015-04-29 22:48 |                        |
| 5531 | Infrastructure | Task         | Testing     | Normal   | Provide overview of replication process for MN implementors              | Matthew Jones     | 2014-10-02 17:21 | Documentation          |
| 5582 | Infrastructure | Bug          | New         | Normal   | xinetd not supported via debian install                                  | Robert Waltz      | 2014-10-02 19:27 | d1_cn_buildout         |
| 5739 | CN REST        | Bug          | New         | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core                      | Robert Waltz      | 2015-01-19 23:05 |                        |
| 5833 | Member Nodes   | Story        | In Progress | Normal   | GBIF: Developing   |                   | 2019-02-19 18:24 |                        |
| 5835 | Member Nodes   | Task         | Ready       | Normal   | GBIF: Local Testing  | Rob Nahf          | 2019-01-24 16:53 |                        |
| 5836 | Member Nodes   | Task         | Testing     | Normal   | GBIF: Verify that MN passes the Web Tester                               | Rob Nahf          | 2018-09-26 19:57 |                        |
| 5838 | Member Nodes   | Story        | New         | Normal   | GBIF: Testing  |                   | 2019-01-28 14:39 |                        |
| 5839 | Member Nodes   | Task         | New         | Normal   | GBIF: Registration in environment  |                   | 2016-07-02 12:45 |                        |
| 5841 | Member Nodes   | Task         | New         | Normal   | GBIF: SSL Certificates   |                   | 2019-01-28 14:40 |                        |
| 5848 | Member Nodes   | Task         | New         | Normal   | GBIF: Synchronization  |                   | 2016-07-02 12:45 |                        |
| 5849 | Member Nodes   | Task         | New         | Normal   | GBIF: Set up synchronization of the MN                                   |                   | 2016-07-02 12:45 |                        |
| 5850 | Member Nodes   | Task         | New         | Normal   | GBIF: Content Review   |                   | 2016-07-02 12:45 |                        |
| 5851 | Member Nodes   | Task         | New         | Normal   | GBIF: Verify Science Data  |                   | 2016-07-02 12:45 |                        |
| 5852 | Member Nodes   | Task         | New         | Normal   | GBIF: Verify Science Data content  |                   | 2016-07-02 12:45 |                        |



| #    | Project      | Tracker | Status | Priority | Subject   | Assignee | Updated          | Category |
|------|--------------|---------|--------|----------|---|----------|------------------|----------|
| 5853 | Member Nodes | Task    | New    | Normal   | GBIF: Verify that the Science Data is returned with the correct HTTP Content-Type |          | 2016-07-02 12:45 |          |
| 5854 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata   |          | 2016-07-02 12:45 |          |
| 5855 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata content   |          | 2016-07-02 12:45 |          |
| 5856 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type      |          | 2016-07-02 12:45 |          |
| 5857 | Member Nodes | Task    | New    | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs              |          | 2016-07-02 12:45 |          |
| 5858 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Maps  |          | 2016-07-02 12:45 |          |
| 5859 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map content   |          | 2016-07-02 12:45 |          |
| 5860 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type          |          | 2016-07-02 12:45 |          |
| 5861 | Member Nodes | Task    | New    | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.                   |          | 2016-07-02 12:45 |          |
| 5865 | Member Nodes | Task    | New    | Normal   | GBIF: Log record access   |          | 2016-07-02 12:45 |          |
| 5867 | Member Nodes | Story   | New    | Normal   | GBIF: Registration in Production environment                                      |          | 2019-01-24 17:08 |          |
| 5869 | Member Nodes | Task    | New    | Normal   | GBIF: SSL Certificates  |          | 2016-07-02 12:45 |          |
| 5870 | Member Nodes | Task    | New    | Normal   | GBIF: Generate client certificate.  |          | 2016-07-02 12:45 |          |
| 5871 | Member Nodes | Task    | New    | Normal   | GBIF: Verify successful installation of client side certificate                   |          | 2016-07-02 12:45 |          |
| 5872 | Member Nodes | Task    | New    | Normal   | GBIF: Verify successful installation of server side certificate                   |          | 2016-07-02 12:45 |          |
| 5873 | Member Nodes | Task    | New    | Normal   | GBIF: Register MN   |          | 2016-07-02 12:45 |          |
| 5874 | Member Nodes | Task    | New    | Normal   | GBIF: Set up Node document  |          | 2016-07-02 12:45 |          |
| 5875 | Member Nodes | Task    | New    | Normal   | GBIF: Set the node status to approved (start synchronization)                     |          | 2016-07-02 12:45 |          |
| 5876 | Member Nodes | Task    | New    | Normal   | GBIF: Synchronization   |          | 2016-07-02 12:45 |          |
| 5877 | Member Nodes | Task    | New    | Normal   | GBIF: Set up synchronization of the MN  |          | 2016-07-02 12:45 |          |
| 5878 | Member Nodes | Task    | New    | Normal   | GBIF: Content Review  |          | 2016-07-02 12:45 |          |
| 5879 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data   |          | 2016-07-02 12:45 |          |
| 5880 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data content   |          | 2016-07-02 12:45 |          |
| 5881 | Member Nodes | Task    | New    | Normal   | GBIF: Verify that the Science Data is returned with the correct HTTP Content-Type |          | 2016-07-02 12:45 |          |
| 5882 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata   |          | 2016-07-02 12:45 |          |
| 5883 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata content   |          | 2016-07-02 12:45 |          |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee            | Updated          | Category                |
|------|----------------|---------|-------------|----------|--|---------------------|------------------|-------------------------|
| 5884 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type |                     | 2016-07-02 12:45 |                         |
| 5885 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs         |                     | 2016-07-02 12:45 |                         |
| 5886 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify Resource Maps   |                     | 2016-07-02 12:45 |                         |
| 5887 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify Resource Map content  |                     | 2016-07-02 12:45 |                         |
| 5888 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type     |                     | 2016-07-02 12:45 |                         |
| 5889 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.              |                     | 2016-07-02 12:45 |                         |
| 5890 | Member Nodes   | Task    | New         | Normal   | GBIF: Authentication and Authorization                                       |                     | 2018-01-22 21:16 |                         |
| 5891 | Member Nodes   | Task    | New         | Normal   | GBIF: Science Data access  |                     | 2016-07-02 12:45 |                         |
| 5892 | Member Nodes   | Task    | New         | Normal   | GBIF: Science Metadata access  |                     | 2016-07-02 12:45 |                         |
| 5893 | Member Nodes   | Task    | New         | Normal   | GBIF: Log record access  |                     | 2016-07-02 12:45 |                         |
| 5895 | Member Nodes   | Story   | New         | Normal   | GBIF: Transition to production   |                     | 2018-01-22 18:41 |                         |
| 5896 | Member Nodes   | Task    | New         | Normal   | GBIF: Mutual acceptance  |                     | 2016-07-02 12:45 |                         |
| 5897 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify content available for Current MNs web page                      |                     | 2016-07-02 12:45 |                         |
| 5899 | Member Nodes   | Task    | New         | Normal   | GBIF: Create news item   | Amy Forrester       | 2019-01-24 17:10 |                         |
| 5900 | Member Nodes   | Task    | New         | Normal   | GBIF: Formal announcement  |                     | 2016-07-02 12:45 |                         |
| 5988 | Infrastructure | Task    | New         | Normal   | Determine cause of ldap "server not responding" errors between prod CNs      | Jing Tao            | 2014-07-22 23:18 | Hardware                |
| 6011 | Infrastructure | Bug     | New         | Normal   | Synchronization fails from max_syncobjectqueue_size                          | Robert Waltz        | 2016-01-05 17:52 | d1_synchronization      |
| 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           |
| 6041 | Infrastructure | Bug     | New         | Normal   | obsoletedBy field serialized with newline after pid                          | Robert Waltz        | 2014-09-25 17:36 |                         |
| 6044 | Infrastructure | Bug     | New         | Normal   | Indexer needs port 5432 open to localhost during postinst                    | Robert Waltz        | 2015-01-06 18:17 | d1_cn_buildout          |
| 6048 | Member Nodes   | Task    | New         | Normal   | Fix 404 NotFound erros on the EDORA MN                                       | Jim Green           | 2014-11-24 14:57 |                         |
| 6053 | Member Nodes   | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type                    | Ranjeet Devarakonda | 2014-11-24 14:57 |                         |
| 6056 | Infrastructure | Story   | New         | Normal   | remove log aggregation processing from d1-processing Linux service           | Dave Vieglaiss      | 2018-01-17 19:55 | d1_log_aggregation      |
| 6060 | Infrastructure | Bug     | New         | Normal   | dataone-cn-index install should fail if subtasks fail                        | Robert Waltz        | 2016-08-10 20:58 | d1_cn_buildout          |
| 6062 | Infrastructure | Bug     | In Progress | Normal   | Jenkins not cascading builds in trunk  | Robert Waltz        | 2016-08-10 20:56 | Environment.Development |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee      | Updated          | Category                |
|------|----------------|--------------|-------------|----------|--|---------------|------------------|-------------------------|
| 6067 | Infrastructure | Decision     | New         | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?                                       | Robert Waltz  | 2014-08-22 03:58 | Environment.Development |
| 6069 | Infrastructure | Story        | New         | Normal   | open ask.dataone.org sign-in to community  | Dave Viegla   | 2014-10-01 20:39 | Documentation           |
| 6070 | Infrastructure | Bug          | New         | Normal   | CNs missing GOA objects  | Robert Waltz  | 2016-08-10 20:56 | d1_synchronization      |
| 6071 | Infrastructure | Story        | In Progress | Normal   | Release Notes and documentation  | Dave Viegla   | 2018-01-17 19:53 | Documentation           |
| 6166 | Infrastructure | Task         | New         | Normal   | CNRead.getChecksum() returns Content-Type of text/csv while it should be an xml type             | Chris Jones   | 2014-08-29 15:04 | d1_cn_service           |
| 6167 | Infrastructure | Task         | New         | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case       | Dave Viegla   | 2014-10-02 17:21 | Documentation           |
| 6168 | Infrastructure | Task         | New         | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure                                     | Chris Jones   | 2014-08-29 16:01 | d1_cn_service           |
| 6250 | Infrastructure | Task         | New         | Normal   | CN methods return 500 ServiceFailure when called with bogus test data and without certificates   | Chris Jones   | 2014-08-29 18:59 | d1_cn_service           |
| 6335 | MN Dashboard   | Feature      | New         | Normal   | Add total number of MNs to the summary page of the dashboard                                     | Skye Roseboom | 2015-04-29 22:48 |                         |
| 6336 | MN Dashboard   | Feature      | New         | Normal   | Display MN POCs on the detail MN pages of the dashboard  | Skye Roseboom | 2015-04-29 22:49 |                         |
| 6367 | Infrastructure | Task         | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array   | Nick Outin    | 2014-09-08 20:19 | Hardware                |
| 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          |
| 6376 | Infrastructure | Task         | New         | Normal   | test the new strategy against working ReplicationManager test                                    | 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          |
| 6378 | Infrastructure | Task         | Testing     | Normal   | code up the new strategy   | Rob Nahf      | 2016-06-22 16:53 | d1_replication          |
| 6379 | Member Nodes   | MNDeployment | New         | Normal   | ICMBio   | Bruce Wilson  | 2015-11-19 17:21 |                         |
| 6380 | Member Nodes   | Task         | New         | Normal   | ICMBIO: Initial Preparation  |               | 2015-11-19 17:21 |                         |
| 6382 | Member Nodes   | Task         | In Progress | Normal   | ICMBIO: Determine feasibility  | Laura Moyers  | 2015-11-19 17:21 |                         |
| 6389 | Infrastructure | Task         | New         | Normal   | The version of com.googlecode.foresite-toolkit is 1.0-SNAPSHOT on the d1_libclient_java releases |               | 2014-09-18 00:42 |                         |
| 6392 | Infrastructure | Decision     | New         | Normal   | CN getChecksum REST API design review  | Dave Viegla   | 2014-09-18 17:09 | Requirement             |

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