

## Issues

| #    | Project        | Tracker      | Status | Priority | Subject                                                                                                     | Assignee      | Updated          | Category      |
|------|----------------|--------------|--------|----------|-------------------------------------------------------------------------------------------------------------|---------------|------------------|---------------|
| 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    |
| 8173 | Infrastructure | Story        | New    | High     | add checks for retrograde systemMetadata changes                                                            | Jing Tao      | 2018-01-17 18:38 | d1_indexer    |
| 7046 | Member Nodes   | Task         | New    | High     | Certificate DC=org,DC=dataone,CN=osu.piscoweb.org expires in Prod environment                               | Laura Moyers  | 2015-04-20 16:54 |               |
| 7601 | Infrastructure | Bug          | New    | High     | CN checksum inconsistencies                                                                                 | Dave Vieglais | 2016-01-26 19:29 |               |
| 8867 | CN REST        | Bug          | New    | High     | CNCore.listChecksumAlgorithms() returns incorrect list                                                      | Jing Tao      | 2020-08-06 00:06 | d1_cn_rest    |
| 592  | Requirements   | Requirement  | New    | High     | DataONE needs to synchronize metadata between MNs and CNs                                                   | Robert Waltz  | 2010-09-06 02:28 | d1_cn_service |
| 8500 | Infrastructure | Bug          | New    | High     | Geohash not calculated properly                                                                             | Jing Tao      | 2018-03-14 17:06 | d1_indexer    |
| 8829 | Member Nodes   | Task         | New    | High     | get DKAN connected to GMN                                                                                   | John Evans    | 2019-09-03 13:24 |               |
| 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 |               |
| 7738 | Python GMN     | Bug          | New    | High     | GMN perpetually retries system metadata updates after failures                                              | Roger Dahl    | 2016-04-14 14:26 |               |
| 7651 | Python GMN     | Bug          | New    | High     | GMN returns two different dateSysMetadataModified dateTime stamps for same object                           | Roger Dahl    | 2016-04-14 14:17 |               |
| 8622 | Member Nodes   | Bug          | New    | High     | IOE repository is not responding                                                                            | Amy Forrester | 2019-03-05 20:54 |               |
| 3664 | Member Nodes   | MNDeployment | New    | High     | Landcare Research New Zealand                                                                               | Laura Moyers  | 2015-11-19 19:39 |               |
| 6853 | Member Nodes   | MNDeployment | New    | High     | OBIS (Ocean Biogeographic Information System)                                                               | Laura Moyers  | 2015-11-19 17:46 |               |
| 8722 | Infrastructure | Bug          | New    | High     | Object in search index but systemmetadata is not available.                                                 | Jing Tao      | 2018-10-03 17:48 |               |
| 3675 | Infrastructure | Bug          | New    | High     | package relationships not available for archived objects                                                    | Rob Nahf      | 2018-09-21 21:01 | d1_indexer    |
| 8823 | Infrastructure | Story        | New    | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                                   | Dave Vieglais | 2019-06-19 02:43 |               |
| 393  | Requirements   | Requirement  | New    | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.                        | Dave Vieglais | 2010-09-06 20:27 | Requirement   |
| 764  | Requirements   | Requirement  | New    | High     | (Requirement) Authentication and access control should be consistently available                            | Dave Vieglais | 2010-09-06 20:32 | Requirement   |
| 763  | Requirements   | Requirement  | New    | High     | (Requirement) Authentication and authorization services are geographically replicated                       | Dave Vieglais | 2010-09-06 20:52 | Requirement   |
| 772  | Requirements   | Requirement  | New    | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications    | Dave Vieglais | 2010-08-11 07:54 | Requirement   |

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| 777 | Requirements | Requirement | New    | High     | (Requirement) Authorization rules should support common permission levels                                                                            | Dave Vieglais | 2010-09-06 20:49 | Requirement    |
| 769 | Requirements | Requirement | New    | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators                                                | Dave Vieglais | 2010-09-06 03:02 | Requirement    |
| 770 | Requirements | Requirement | New    | High     | (Requirement) Authorization system should be able to express the pseudo-principal concepts like 'public'                                             | Dave Vieglais | 2010-08-11 00:41 | Requirement    |
| 820 | Requirements | Requirement | New    | High     | (Requirement) Common API for authentication and authorization operations                                                                             | Dave Vieglais | 2010-09-06 21:23 | Requirement    |
| 390 | Requirements | Requirement | New    | High     | (Requirement) Consistent mechanism for identifying users                                                                                             | Dave Vieglais | 2010-09-06 20:50 | Requirement    |
| 391 | Requirements | Requirement | New    | High     | (Requirement) Enable different classes of users commensurate with their roles.                                                                       | Dave Vieglais | 2010-09-06 20:51 | Requirement    |
| 384 | Requirements | Requirement | New    | High     | (Requirement) Enable efficient mechanisms for users to discover content                                                                              | Dave Vieglais | 2010-09-06 03:58 | d1_common_java |
| 392 | Requirements | Requirement | New    | High     | (Requirement) Identity and access control should be interoperable across datanets                                                                    | Dave Vieglais | 2010-09-06 20:31 | Requirement    |
| 768 | Requirements | Requirement | New    | High     | (Requirement) Need default authz policies that resolve problems associated with inaccessible principals                                              | Dave Vieglais | 2010-08-11 00:34 | Requirement    |
| 822 | Requirements | Requirement | New    | High     | (Requirement) Object access and manipulation should be responsive                                                                                    | Dave Vieglais | 2010-09-06 20:27 | d1_common_java |
| 821 | Requirements | Requirement | New    | High     | (Requirement) Sponsor required functionality                                                                                                         | Dave Vieglais | 2010-09-06 03:28 | d1_common_java |
| 318 | Requirements | Requirement | New    | High     | (Requirement) Sponsor required Y1 functionality                                                                                                      | Dave Vieglais | 2010-09-06 03:24 | d1_common_java |
| 795 | Requirements | Requirement | New    | High     | (Requirement) System must support revocation of user permissions                                                                                     | Dave Vieglais | 2010-08-29 20:45 | Requirement    |
| 411 | Requirements | Requirement | New    | High     | (Requirement) The infrastructure must survive destruction of one or more data storage nodes                                                          | Dave Vieglais | 2010-09-06 03:10 | d1_common_java |
| 765 | Requirements | Requirement | New    | High     | (Requirement) Tools can access an API for authn and authz                                                                                            | Dave Vieglais | 2010-09-06 20:30 | Requirement    |
| 762 | Requirements | Requirement | New    | High     | (Requirement) User identities can be derived from existing institutional directory services                                                          | Dave Vieglais | 2010-09-06 03:01 | Requirement    |
| 771 | Requirements | Requirement | New    | High     | (Requirement) User identities should have simple string serializations that express both the user identity and namespace from which it is drawn      | Dave Vieglais | 2010-09-06 03:12 | Requirement    |
| 761 | Requirements | Requirement | New    | High     | (Requirement) Users can specify authorization rules for data objects, science metadata objects, and process artifacts separately                     | Dave Vieglais | 2010-09-06 03:06 | Requirement    |
| 767 | Requirements | Requirement | New    | High     | (Requirement) Users need to be able to express embargo rules for data                                                                                | Dave Vieglais | 2010-08-11 00:16 | Requirement    |
| 766 | Requirements | Requirement | New    | High     | (Requirement) Users should be able to easily assign proxy privileges to other users and to systems acting on their behalf for limited time durations | Dave Vieglais | 2010-08-11 00:11 | Requirement    |

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| 8655 | Infrastructure   | Bug     | New    | High     | Synchronization died with OOM                                                                                                                                                                                   |               | 2018-07-13 11:24 |                         |
| 8076 | Infrastructure   | Bug     | New    | High     | sysmeta can not be retrieved for some objects                                                                                                                                                                   | Dave Vieglais | 2017-04-22 01:54 | dataone-cn-rest-service |
| 7919 | Infrastructure   | Bug     | New    | High     | unloadable system metadata in CNs by Hazelcast                                                                                                                                                                  |               | 2016-11-01 19:30 | Metacat                 |
| 3906 | Member Nodes     | Task    | New    | High     | Update malformed Resource Maps                                                                                                                                                                                  |               | 2013-08-09 17:50 |                         |
| 3878 | Infrastructure   | Task    | New    | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation                                                                                                                                                                   | Dave Vieglais | 2014-09-24 18:27 |                         |
| 3879 | Infrastructure   | Task    | New    | Normal   | 4.2.1.2 Missing Policies and Expectations                                                                                                                                                                       |               | 2014-09-24 18:27 | Environment.Production  |
| 3880 | Infrastructure   | Task    | New    | Normal   | 4.2.1.3 CILogon Extension Not Documented                                                                                                                                                                        |               | 2014-09-24 18:27 | Environment.Production  |
| 3881 | Infrastructure   | Task    | New    | Normal   | 4.2.1.4 Definition of Verified User Lacking                                                                                                                                                                     | Dave Vieglais | 2014-09-24 18:27 | Documentation           |
| 7702 | Log Reporting    | Task    | New    | Normal   | abnormal strings in ipAddress field of solr                                                                                                                                                                     | Robert Waltz  | 2016-06-22 17:18 | d1_log_aggregation      |
| 7800 | DUG              | Task    | New    | Normal   | abstract reviews<br>( <a href="https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KVO4TeahHVA/edit">https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KVO4TeahHVA/edit</a> ) |               | 2016-05-10 15:18 |                         |
| 8236 | Infrastructure   | Task    | New    | Normal   | Acquire ORCID API key under KU membership                                                                                                                                                                       | Dave Vieglais | 2018-01-09 02:21 |                         |
| 8835 | Member Nodes     | Story   | New    | Normal   | Add ability for scanner to stop after a certain number of errors                                                                                                                                                | John Evans    | 2019-08-12 19:16 |                         |
| 1646 | Infrastructure   | Task    | New    | Normal   | Add addFormat() to the CNCORE API                                                                                                                                                                               |               | 2016-06-22 16:51 |                         |
| 7032 | MN Dashboard     | Feature | New    | Normal   | Add anchor to the MN dashboard for "upcoming MNs"                                                                                                                                                               | Skye Roseboom | 2015-04-09 17:52 |                         |
| 3768 | Infrastructure   | Task    | New    | Normal   | Add canonical DataONE description paper to citing DataONE web-page                                                                                                                                              | Amber Budden  | 2013-05-16 22:20 | Community Engagement    |
| 2344 | Infrastructure   | Task    | New    | Normal   | Add category for Ben's style sheets in Redmine                                                                                                                                                                  | Dave Vieglais | 2012-02-15 17:45 | Support Operations      |
| 7256 | Python Libraries | Task    | New    | Normal   | add cnclient.synchronize method                                                                                                                                                                                 | Roger Dahl    | 2016-04-21 22:37 |                         |
| 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 |                         |
| 8587 | Member Nodes     | Task    | New    | Normal   | Add DataONE Logo to SanParks website                                                                                                                                                                            | Jing Tao      | 2018-05-09 21:19 |                         |
| 3807 | Infrastructure   | Task    | New    | Normal   | Add documentation for Types.QueryEngineDescription                                                                                                                                                              | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 8754 | Infrastructure   | Task    | New    | Normal   | Add EML 2.2 to CN formats list                                                                                                                                                                                  | Bryce Mecum   | 2018-12-19 00:54 |                         |
| 4102 | Infrastructure   | Task    | New    | Normal   | Add expiration policy for CNCORE.reservelIdentifier()                                                                                                                                                           | Dave Vieglais | 2014-10-02 17:21 | Documentation           |

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| 8529 | DataONE API      | Task     | New    | Normal   | Add field to Solr index that includes the obsolescence chain             |                 | 2018-04-10 05:21 |                     |
| 7859 | Infrastructure   | Story    | New    | Normal   | Add formatID for the STL 3d model file format                            | Dave Vieglais   | 2018-01-17 19:04 |                     |
| 8053 | Infrastructure   | Feature  | New    | Normal   | add funding award number to index                                        | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index    |
| 8804 | Infrastructure   | Task     | New    | Normal   | Add ldap backup config to cn os-core                                     | Dave Vieglais   | 2019-05-21 12:32 | dataone-cn-os-core  |
| 7765 | Python GMN       | Task     | New    | Normal   | Add "logrotate" capability as part of the GMN deployment                 | Roger Dahl      | 2016-05-04 02:38 |                     |
| 8528 | DataONE API      | Task     | New    | Normal   | Add MNRead.getVersions, CNRead.getVersions                               |                 | 2018-04-03 19:26 |                     |
| 8774 | Infrastructure   | Decision | New    | Normal   | Add new CN format for MPEG-2 or update video/mpeg format to cover MPEG-2 |                 | 2019-03-08 16:03 |                     |
| 8762 | Infrastructure   | Story    | New    | Normal   | Add new formats to CN                                                    |                 | 2019-02-07 20:03 |                     |
| 7537 | Infrastructure   | Task     | New    | Normal   | add nodelist refreshes to NodeLocator classes                            | Rob Nahf        | 2015-12-10 16:59 | d1_libclient_java   |
| 5515 | MN Dashboard     | Feature  | New    | Normal   | Add number of MNs to overview display                                    | Skye Roseboom   | 2015-04-29 22:48 |                     |
| 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             |
| 8065 | Infrastructure   | Feature  | New    | Normal   | Add service to re-populate Hazelcast map for node attributes             |                 | 2018-01-09 19:10 |                     |
| 2492 | Infrastructure   | Task     | New    | Normal   | Add status page for given {pid}                                          | Ben Leinfelder  | 2012-03-15 02:02 | d1_monitor          |
| 8753 | Infrastructure   | Task     | New    | Normal   | Add support for EML 2.2 (indexing, view)                                 | Bryce Mecum     | 2018-12-19 00:54 |                     |
| 5322 | MN Dashboard     | Feature  | New    | Normal   | Add support for right, left keys on dashboard detail pages               | Skye Roseboom   | 2015-04-29 22:47 |                     |
| 3466 | Infrastructure   | Task     | New    | Normal   | Add synthetic key to systemMetadata table                                | Ben Leinfelder  | 2013-01-08 18:30 |                     |
| 4059 | Infrastructure   | Task     | New    | Normal   | Add test to verify node is reporting correct nodeid in log records       | Rob Nahf        | 2013-10-07 19:10 |                     |
| 8362 | Infrastructure   | Task     | New    | Normal   | Add the indication that the cn account list is sliced                    |                 | 2018-02-12 17:48 |                     |
| 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 |                     |
| 7427 | Python Libraries | Task     | New    | Normal   | adjust API signatures in python libraries                                | Dave Vieglais   | 2016-03-25 01:11 | d1_libclient_python |
| 8204 | Infrastructure   | Story    | New    | Normal   | Adjust memory allocation for services running under JVM on CNs           |                 | 2018-01-09 19:10 |                     |
| 8205 | Infrastructure   | Task     | New    | Normal   | Adjust memory allocation to Tomcat7 on CNs                               |                 | 2017-10-24 15:33 |                     |
| 8747 | Infrastructure   | Task     | New    | Normal   | Adjust package configuration to persist changes between updates          | Dave Vieglais   | 2018-11-16 17:32 |                     |
| 8809 | CN REST          | Task     | New    | Normal   | Adjust portal.properties for certificate configuration                   |                 | 2019-05-21 12:57 |                     |
| 4675 | Infrastructure   | Task     | New    | Normal   | Administratively delete those pids with the white spaces                 |                 | 2014-09-24 18:09 |                     |

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| 8184 | Infrastructure | Feature      | New    | Normal   | a feature indicates to restart tomcat when hazelcast client died                                                             | Jing Tao        | 2017-09-14 19:14 | Metacat             |
| 6882 | Infrastructure | Bug          | New    | Normal   | after CN upgrade togglePortsAndReplication.sh missing                                                                        | Robert Waltz    | 2016-01-05 17:54 | d1_cn_buildout      |
| 8188 | Member Nodes   | MNDeployment | New    | Normal   | Ag Data Commons                                                                                                              | Rebecca Koskela | 2017-09-22 23:06 |                     |
| 1527 | Infrastructure | Task         | New    | Normal   | Allow AccessPolicy to be set for groups                                                                                      | Matthew Jones   | 2014-10-01 20:47 |                     |
| 4650 | Infrastructure | Story        | New    | Normal   | Allow MN to bias resolve to the authoritative MN                                                                             | Rob Nahf        | 2018-01-17 20:00 | d1_cn_common        |
| 8058 | Infrastructure | Feature      | New    | Normal   | Allow "upcoming" nodes to appear in the node list                                                                            | Robert Waltz    | 2017-04-03 18:33 | d1_cn_service       |
| 3076 | Infrastructure | Task         | New    | Normal   | Allow user to specify Morpho storage directory                                                                               |                 | 2013-03-02 05:29 | Morpho              |
| 4666 | Java Client    | Task         | New    | Normal   | - All types have the same serialVersionUID (10000000)                                                                        |                 | 2015-02-11 20:08 |                     |
| 7699 | Infrastructure | Bug          | New    | Normal   | alter scripts that backup postgresql db                                                                                      |                 | 2017-05-09 17:33 | dataone-cn-os-core  |
| 8848 | Infrastructure | Story        | New    | Normal   | A minor difference of annotation index between CN and MN                                                                     |                 | 2019-11-01 21:37 |                     |
| 8641 | Infrastructure | Bug          | New    | Normal   | Any change to SystemMetadata causes a new replication task to be generated without consideration of the object replicability | Chris Jones     | 2018-07-04 12:28 | d1_replication      |
| 7750 | CN REST        | Task         | New    | Normal   | apply business rules on the CN that Subject strings will be stripped of leading and trailing whitespace                      |                 | 2016-04-26 17:30 |                     |
| 6615 | Infrastructure | Bug          | New    | Normal   | Apt-get doesn't work on mn-sandbox-unm-1                                                                                     |                 | 2014-11-18 18:45 |                     |
| 6754 | Infrastructure | Task         | New    | Normal   | Architecture API loose ends                                                                                                  | Dave Vieglais   | 2015-01-13 18:54 | Architecture Design |
| 3518 | Member Nodes   | Task         | New    | Normal   | Arctos: New MN discussion                                                                                                    | Dave Vieglais   | 2013-01-25 18:27 |                     |
| 8589 | Member Nodes   | Story        | New    | Normal   | ARM: Re-Discovery & Planning                                                                                                 |                 | 2018-05-10 21:44 |                     |
| 8590 | Member Nodes   | Task         | New    | Normal   | ARM: Requirements Analysis                                                                                                   |                 | 2018-05-10 20:50 |                     |
| 8235 | Infrastructure | Task         | New    | Normal   | Arrange with KU library to make use of ORCID membership to support DataONE authentication                                    | Dave Vieglais   | 2018-01-09 02:01 |                     |
| 7525 | DUG            | Task         | New    | Normal   | assessment effort update                                                                                                     |                 | 2015-12-07 22:25 |                     |
| 7371 | Infrastructure | Bug          | New    | Normal   | A systemMetadata update that changes the formatID from DATA to METADATA or RESOURCE_MAP will not upload the object to the CN | Robert Waltz    | 2015-09-22 21:47 | d1_cn_service       |
| 2464 | Infrastructure | Task         | New    | Normal   | Authentication - no space after comma in subjects                                                                            | Dave Vieglais   | 2014-10-02 17:21 | Documentation       |
| 2466 | Infrastructure | Task         | New    | Normal   | Authentication - Remove references to Principal                                                                              | Dave Vieglais   | 2014-10-02 17:21 | Documentation       |
| 2465 | Infrastructure | Task         | New    | Normal   | Authentication - Remove TODO about selecting format for principal name                                                       | Dave Vieglais   | 2014-10-02 17:21 | Documentation       |
| 6850 | Java Client    | Story        | New    | Normal   | automate Java Client releases                                                                                                | Rob Nahf        | 2018-01-17 19:42 | d1_libclient_java   |
| 8614 | Member Nodes   | Task         | New    | Normal   | BCO-DMO: testing the member node                                                                                             | Matthew Jones   | 2018-06-13 15:48 |                     |

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| 6791 | Infrastructure | Bug      | New    | Normal   | Building d1_log_aggregation doesn't trigger downstream builds                                                                       |               | 2015-01-31 00:32 | Support Operations         |
| 8521 | Member Nodes   | Story    | New    | Normal   | CAFF: Testing & Development                                                                                                         |               | 2018-04-06 15:17 |                            |
| 3080 | Infrastructure | Task     | New    | Normal   | Calling Dataone client library in morpho                                                                                            |               | 2013-03-02 05:28 |                            |
| 3895 | Infrastructure | Task     | New    | Normal   | Can we add bugs to a task in a story?                                                                                               |               | 2014-09-24 18:27 |                            |
| 8672 | Member Nodes   | Task     | New    | Normal   | CDL - upgrade GMN 2.4.0 to 3.0.4                                                                                                    | Roger Dahl    | 2018-08-23 17:13 |                            |
| 8045 | Infrastructure | Bug      | New    | Normal   | certificateLocation not seeming to be utilized                                                                                      | Rob Nahf      | 2017-03-14 20:45 | d1_libclient_java          |
| 8044 | Infrastructure | Story    | New    | Normal   | certificate manager should check expiration of CAs it loads into the trust manager.                                                 | Rob Nahf      | 2018-01-09 19:10 | d1_libclient_java          |
| 7926 | DUG            | Task     | New    | Normal   | Certification and standards for data repositories (e.g. ISO 17421:2012, Data Seal of Approval)                                      |               | 2016-11-08 22:00 |                            |
| 4038 | Infrastructure | Feature  | New    | Normal   | change default replication implementation                                                                                           | Matthew Jones | 2014-10-01 21:26 | d1_replication             |
| 5136 | Infrastructure | Task     | New    | Normal   | Change DNS settings on all DataONE VMs                                                                                              | Chris Jones   | 2014-05-08 03:16 | Environment.Producti<br>on |
| 3063 | Infrastructure | Task     | New    | Normal   | Change Mutability of Metadata documentation                                                                                         | Dave Vieglais | 2014-09-24 18:27 | Documentation              |
| 2488 | Infrastructure | Story    | New    | Normal   | Changing the authoritativeMembernode will require all replica's systemMetadata be updated                                           | Dave Vieglais | 2018-01-17 20:39 | d1_synchronization         |
| 8307 | Infrastructure | Story    | New    | Normal   | Check node subject on node registration and subsequent calls                                                                        | Jing Tao      | 2018-02-06 20:06 | d1_cn_node_registry        |
| 4722 | Infrastructure | Task     | New    | Normal   | Clarify permissions for CN                                                                                                          | Dave Vieglais | 2014-10-02 17:21 |                            |
| 1481 | Infrastructure | Task     | New    | Normal   | Clarify spec that groups can own objects                                                                                            | Matthew Jones | 2014-10-01 20:47 |                            |
| 1485 | Infrastructure | Task     | New    | Normal   | Clean up authn requirements listing                                                                                                 | Matthew Jones | 2014-10-01 20:47 |                            |
| 8806 | Infrastructure | Story    | New    | Normal   | Cleanup from OS upgrades                                                                                                            |               | 2019-05-21 12:45 |                            |
| 8010 | CN REST        | Bug      | New    | Normal   | CN.archive fails with 401 Unauthorized when using either MN or CN client certificate for PID with authoritative MN as urn:node:LTER | Jing Tao      | 2017-03-21 17:10 |                            |
| 6168 | Infrastructure | Task     | New    | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure                                                                        | Chris Jones   | 2014-08-29 16:01 | d1_cn_service              |
| 2342 | Infrastructure | Task     | New    | Normal   | CNCore.reserveldentifier() - Update REST description                                                                                | Dave Vieglais | 2014-10-02 17:21 | Documentation              |
| 6392 | Infrastructure | Decision | New    | Normal   | CN getChecksum REST API design review                                                                                               | Dave Vieglais | 2014-09-18 17:09 | Requirement                |
| 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          |
| 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              |
| 8698 | CN REST        | Bug      | New    | Normal   | CN Performance degradation                                                                                                          |               | 2018-09-13 21:05 | d1_cn_rest                 |
| 7884 | Infrastructure | Task     | New    | Normal   | CN portal log is misconfigured                                                                                                      | Rob Nahf      | 2016-09-09 20:18 | d1_portal_servlet          |

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| 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              |
| 3314 | Infrastructure | Task    | New    | Normal   | CNRead.getQueryEngineDescription() - REST URL                                              | Dave Vieglais  | 2014-10-02 17:21 | Documentation              |
| 3315 | Infrastructure | Task    | New    | Normal   | CNRead.query() - POST in addition to GET                                                   | Dave Vieglais  | 2014-10-02 17:21 | Documentation              |
| 2394 | Infrastructure | Task    | New    | Normal   | CNRead.search() - solr / SOLR                                                              | Dave Vieglais  | 2014-10-02 17:21 | Documentation              |
| 2131 | Infrastructure | Task    | New    | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId                                     | Dave Vieglais  | 2014-10-02 17:21 |                            |
| 2054 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                          | Dave Vieglais  | 2014-10-02 17:21 | Documentation              |
| 2053 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion                        |                | 2014-10-02 17:21 |                            |
| 2475 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - How to represent null                               | Dave Vieglais  | 2014-10-02 17:21 | Documentation              |
| 8740 | CN REST        | Bug     | New    | Normal   | CN resolve service returning 404 for some pids                                             |                | 2019-01-22 18:41 | cn_metacat                 |
| 6706 | Infrastructure | Task    | New    | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"            | Robert Waltz   | 2015-10-09 17:38 | Environment.Sandbox        |
| 8851 | Infrastructure | Story   | New    | Normal   | CN sends error doc with "pid" to v2 endpoint                                               | Jing Tao       | 2019-11-06 22:31 | d1_synchronization         |
| 6070 | Infrastructure | Bug     | New    | Normal   | CNs missing GOA objects                                                                    | Robert Waltz   | 2016-08-10 20:56 | d1_synchronization         |
| 8151 | Infrastructure | Task    | New    | Normal   | CNs should verify that the authoritativeMN listed in SystemMetadata is a valid MN          | Jing Tao       | 2017-07-19 21:32 |                            |
| 7301 | CN REST        | Bug     | New    | Normal   | CN-stage allows connections to a MN that is operating a self-signed SSL server certificate |                | 2015-08-19 03:46 |                            |
| 3612 | Infrastructure | Task    | New    | Normal   | CN SystemMetadata has incomplete obsoletedBy information                                   | Ben Leinfelder | 2013-03-08 17:43 | Environment.Producti<br>on |
| 3411 | Member Nodes   | Task    | New    | Normal   | Collate documents of relevance to MN deployment and operation                              | Dave Vieglais  | 2012-12-01 18:33 |                            |
| 3204 | Member Nodes   | Task    | New    | Normal   | Collate MN metadata for review                                                             | Mike Frame     | 2015-12-03 19:36 |                            |
| 3208 | Member Nodes   | Task    | New    | Normal   | Collate node application metadata for the BIOTA - FAPESP MN                                | Matthew Jones  | 2015-12-03 19:36 |                            |
| 3210 | Member Nodes   | Task    | New    | Normal   | Collect application metadata for the AKN member node                                       | Ben Leinfelder | 2013-01-08 19:23 |                            |
| 3212 | Member Nodes   | Task    | New    | Normal   | Collect metadata for the Taiwan TERN member node                                           | Matthew Jones  | 2014-02-20 21:58 |                            |
| 1339 | Infrastructure | Task    | New    | Normal   | "common" -> "base" or "foundation"                                                         |                | 2011-02-09 23:19 |                            |
| 3974 | Infrastructure | Task    | New    | Normal   | Complete agenda for meeting                                                                | Dave Vieglais  | 2013-09-11 20:59 |                            |
| 8791 | Infrastructure | Story   | New    | Normal   | Complete deprecation of ONEMercury interface                                               | Rob Nahf       | 2019-05-01 14:00 | d1_mercury                 |

| #    | Project        | Tracker  | Status | Priority | Subject                                                                                   | Assignee       | Updated          | Category                      |
|------|----------------|----------|--------|----------|-------------------------------------------------------------------------------------------|----------------|------------------|-------------------------------|
| 1334 | Infrastructure | Task     | New    | Normal   | Completely remove detailCode                                                              |                | 2011-02-09 22:51 |                               |
| 1890 | Infrastructure | Task     | New    | Normal   | Comply with Maven Central requirements for publishing artifacts                           | Matthew Jones  | 2011-10-27 21:39 |                               |
| 1521 | Infrastructure | Task     | New    | Normal   | Compressed Response                                                                       |                | 2011-05-04 14:35 |                               |
| 8777 | CN REST        | Task     | New    | Normal   | Configure CN to audit objects greater than 1GB                                            | Chris Jones    | 2019-03-13 20:50 | d1_replication_auditor        |
| 1225 | Infrastructure | Task     | New    | Normal   | Configure Hudson Metacat build                                                            |                | 2011-01-13 14:41 | Metacat                       |
| 1227 | Infrastructure | Task     | New    | Normal   | configure Hudson to build Mercury for deployment to a CN                                  | Dave Vieglais  | 2011-01-13 15:16 | d1_mercury                    |
| 3313 | Infrastructure | Task     | New    | Normal   | Configure indexer to handle inline eml data                                               | Skye Roseboom  | 2012-10-08 21:01 | d1_indexer                    |
| 6565 | Infrastructure | Task     | New    | Normal   | Configure Jenkins jobs for ezid (ezid-client)                                             | Rob Nahf       | 2014-12-15 18:36 |                               |
| 6569 | Infrastructure | Task     | New    | Normal   | configure jobs for tag 1.0.1, 1.0.0 and 0.9.0                                             | Rob Nahf       | 2014-11-14 17:56 |                               |
| 8237 | Infrastructure | Task     | New    | Normal   | Configure production environment to use new API key under KU ORCID membership             | Dave Vieglais  | 2018-01-09 02:21 | Authentication, Authorization |
| 8817 | Infrastructure | Task     | New    | Normal   | Configure sitemaps on the CN                                                              | Jing Tao       | 2020-03-12 18:30 |                               |
| 8832 | Member Nodes   | Story    | New    | Normal   | Conflict between pyshacl and owl on ubuntu                                                | John Evans     | 2019-08-05 19:32 |                               |
| 3577 | Infrastructure | Task     | New    | Normal   | Confusing message about "Ignored Tests present".                                          | Rob Nahf       | 2013-02-14 22:36 | MNWebChecker                  |
| 8616 | Infrastructure | Decision | New    | Normal   | Consider expanding isotc211's indexing component's keyword XPath to cover topicCategories |                | 2018-06-15 00:13 |                               |
| 8215 | Infrastructure | Bug      | New    | Normal   | Consider how Subjects are compared (e.g. HTTP vs. HTTPS ORCID URIs)                       |                | 2017-11-07 22:11 |                               |
| 5145 | Infrastructure | Feature  | New    | Normal   | Consider including cert subject(s) in NotAuthorized exceptions                            | Chris Jones    | 2014-09-25 17:44 | d1_cn_service                 |
| 8070 | Infrastructure | Task     | New    | Normal   | Consolidate the index application-context files                                           | Jing Tao       | 2017-04-13 12:51 |                               |
| 3537 | Member Nodes   | Task     | New    | Normal   | Contact followup on Citsci.org MN prospect                                                | Laura Moyers   | 2014-03-28 18:03 |                               |
| 3216 | Member Nodes   | Task     | New    | Normal   | Contact GEO BON for possible MN                                                           | Matthew Jones  | 2012-09-05 03:29 |                               |
| 3535 | Member Nodes   | Task     | New    | Normal   | Contact LITS prospect MN to scope out prospects                                           | Matthew Jones  | 2013-01-30 21:15 |                               |
| 7641 | Infrastructure | Task     | New    | Normal   | contact ONEShare                                                                          | Laura Moyers   | 2016-02-12 16:40 | Environment.Producti<br>on    |
| 3177 | Member Nodes   | Task     | New    | Normal   | Contact operators                                                                         | Matthew Jones  | 2012-09-05 01:46 |                               |
| 3181 | Member Nodes   | Task     | New    | Normal   | Contact PFRP as potential MN                                                              | Matthew Jones  | 2013-01-30 21:00 |                               |
| 2343 | Infrastructure | Task     | New    | Normal   | Convert style sheets to separate product                                                  | Ben Leinfelder | 2012-02-15 17:43 |                               |
| 4068 | Member Nodes   | Task     | New    | Normal   | Coordinate discussions for biodiversity data in DataONE with TDWG participants            | Dave Vieglais  | 2016-06-17 19:31 |                               |



| #    | Project          | Tracker | Status | Priority | Subject                                                                                                              | Assignee      | Updated          | Category                      |
|------|------------------|---------|--------|----------|----------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------------------------|
| 1552 | Java Client      | Task    | New    | Normal   | Copy TestSimpleMultipartEntity from d1_common_java to d1_integration                                                 | Rob Nahf      | 2015-02-11 19:49 |                               |
| 6748 | Java Client      | Task    | New    | Normal   | Create a factory / builder class for converting versioned types.                                                     |               | 2015-02-11 19:47 |                               |
| 6513 | Infrastructure   | Story   | New    | Normal   | Create a Local Cache of all Membernode log records on the single master CN                                           | Dave Vieglais | 2018-01-17 19:49 | d1_log_aggregation            |
| 7184 | Infrastructure   | Task    | New    | Normal   | Create an Ansible script that can replace a server certificate                                                       | Nick Outin    | 2015-06-15 15:10 | Support Operations            |
| 7876 | Infrastructure   | Feature | New    | Normal   | Create a new admin page for Metacat admins to register schemas                                                       | Jing Tao      | 2016-12-21 09:11 | Metacat                       |
| 7103 | Member Nodes     | Task    | New    | Normal   | Create a new test certificate for mnStagePISCO                                                                       | Dave Vieglais | 2015-05-14 18:29 |                               |
| 4704 | Infrastructure   | Task    | New    | Normal   | Create a view of MN holdings from a CN perspective                                                                   | Dave Vieglais | 2014-04-09 15:33 |                               |
| 3488 | Infrastructure   | Task    | New    | Normal   | Create custom merge policy to support managing data/information inconsistency                                        | Chris Jones   | 2014-03-14 17:27 | Metacat                       |
| 2545 | Infrastructure   | Task    | New    | Normal   | create d1_integration tests using for MN.generateIdentifier                                                          | Rob Nahf      | 2014-10-02 17:54 | d1_integration                |
| 2664 | Infrastructure   | Task    | New    | Normal   | Create documentation for how transitivity is enacted for authorization                                               | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 7533 | DUG              | Task    | New    | Normal   | Create DUG 2016 Meeting page                                                                                         |               | 2015-12-08 21:44 |                               |
| 8792 | Infrastructure   | Task    | New    | Normal   | Create landing page for redirection from ONEMercury                                                                  |               | 2019-05-01 14:03 |                               |
| 1554 | Java Client      | Task    | New    | Normal   | Create MockHttpClient for testing in d1_common_java                                                                  | Rob Nahf      | 2015-02-11 19:49 | d1_common_java                |
| 7166 | OGC-Slender Node | Story   | New    | Normal   | Create ORE document for an NODC data package                                                                         | Dave Vieglais | 2015-06-08 18:50 |                               |
| 1494 | Infrastructure   | Task    | New    | Normal   | Create sequence diagrams for Authentication services.                                                                | Matthew Jones | 2014-10-01 20:47 |                               |
| 8646 | Member Nodes     | Task    | New    | Normal   | (cyverse) Formal Announcement                                                                                        |               | 2018-07-19 18:31 |                               |
| 8643 | Member Nodes     | Task    | New    | Normal   | (Cyverse) Implement in Production Environment                                                                        |               | 2018-07-05 14:25 |                               |
| 8568 | Member Nodes     | Story   | New    | Normal   | (CyVerse) Move to production                                                                                         |               | 2018-04-23 21:18 |                               |
| 8645 | Member Nodes     | Task    | New    | Normal   | (Cyverse) Mutual acceptance                                                                                          | Amy Forrester | 2018-07-05 14:26 |                               |
| 8644 | Member Nodes     | Task    | New    | Normal   | (Cyverse) Register in Production                                                                                     |               | 2018-07-05 14:25 |                               |
| 8564 | Member Nodes     | Story   | New    | Normal   | (CyVerse) Testing & Development                                                                                      | Rob Nahf      | 2018-07-02 19:56 |                               |
| 8857 | Infrastructure   | Story   | New    | Normal   | D1Client.getCN() always get the production cn on the CN Tomcat context                                               | Jing Tao      | 2019-12-13 00:34 | dataone-cn-rest-service       |
| 8448 | Infrastructure   | Bug     | New    | Normal   | d1_cn_index_tool doesn't reindex an pid from a given file                                                            | Jing Tao      | 2018-03-02 22:06 | d1_indexer                    |
| 7713 | Infrastructure   | Story   | New    | Normal   | d1DebConfig.xml should be versioned in dataone-cn-os-core                                                            | Rob Nahf      | 2018-01-17 19:24 | d1_cn_buildout                |
| 8686 | Infrastructure   | Bug     | New    | Normal   | d1-index-task-processor failed with NPE                                                                              | Rob Nahf      | 2018-08-24 01:35 | d1_indexer                    |
| 7933 | Infrastructure   | Bug     | New    | Normal   | d1-index-task-processor stops processing task queue                                                                  | Jing Tao      | 2017-01-11 23:47 | d1_indexer                    |
| 8022 | Infrastructure   | Story   | New    | Normal   | d1_log_aggregation has different version of Hazelcast than the rest of CN stack. Hazelcast version very out of date. | Rob Nahf      | 2018-01-09 19:10 | d1_log_aggregation            |

| #    | Project        | Tracker  | Status | Priority | Subject                                                                                                                                         | Assignee          | Updated          | Category            |
|------|----------------|----------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|---------------------|
| 8161 | Infrastructure | Bug      | New    | Normal   | d1-processing Out of Memory Error                                                                                                               | Dave Vieglais     | 2018-02-20 16:19 | d1_process_daemon   |
| 8635 | Member Nodes   | Task     | New    | Normal   | DAAC: Develop or Implement MN Software                                                                                                          |                   | 2018-07-02 15:00 |                     |
| 8634 | Member Nodes   | Story    | New    | Normal   | DAAC: Testing & Development                                                                                                                     | Dave Vieglais     | 2018-07-02 14:55 |                     |
| 8636 | Member Nodes   | Task     | New    | Normal   | DAAC: Test Registration                                                                                                                         |                   | 2018-07-02 14:58 |                     |
| 7650 | Infrastructure | Story    | New    | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy                                                                             | Rob Nahf          | 2018-01-17 19:31 | d1_cn_common        |
| 7925 | DUG            | Task     | New    | Normal   | Data Center certification                                                                                                                       |                   | 2016-11-08 21:33 |                     |
| 7922 | Infrastructure | Task     | New    | Normal   | DataONE Accessibility                                                                                                                           | Isis Serna        | 2016-10-31 23:05 |                     |
| 6060 | Infrastructure | Bug      | New    | Normal   | dataone-cn-index install should fail if subtasks fail                                                                                           | Robert Waltz      | 2016-08-10 20:58 | d1_cn_buildout      |
| 4142 | Infrastructure | Bug      | New    | Normal   | dataone-cn-processdaemon prerm needs to be reconfiguration friendly                                                                             | Robert Waltz      | 2016-08-10 20:58 | d1_cn_buildout      |
| 7862 | DUG            | Task     | New    | Normal   | DataONE DUG page may need updating<br>( <a href="https://www.dataone.org/dataone-users-group">https://www.dataone.org/dataone-users-group</a> ) |                   | 2016-08-08 15:00 |                     |
| 7909 | DUG            | Task     | New    | Normal   | DataONE update audio/visual equipment for remote link                                                                                           |                   | 2016-10-11 20:49 |                     |
| 6483 | Infrastructure | Task     | New    | Normal   | DataONE xsede VM at ORC                                                                                                                         | Michael Campfield | 2014-10-24 10:54 |                     |
| 5516 | MN Dashboard   | Feature  | New    | Normal   | Date formatting                                                                                                                                 | Skye Roseboom     | 2015-04-29 22:48 |                     |
| 8601 | Infrastructure | Decision | New    | Normal   | Decide on a URI space for DataONE resources                                                                                                     |                   | 2018-07-18 21:42 |                     |
| 1484 | Infrastructure | Task     | New    | Normal   | Decide on format for Principals                                                                                                                 | Matthew Jones     | 2014-10-01 20:47 |                     |
| 3643 | Infrastructure | Task     | New    | Normal   | Decide on future of stage-2 environment                                                                                                         | Robert Waltz      | 2015-01-14 00:41 |                     |
| 2660 | Infrastructure | Task     | New    | Normal   | Deciding on a key size for D1 certs                                                                                                             | Dave Vieglais     | 2014-10-02 17:21 | Documentation       |
| 8736 | Infrastructure | Story    | New    | Normal   | Decouple the index generator to the hazelcast system metadata map                                                                               |                   | 2019-01-22 19:27 | d1_indexer          |
| 6499 | Infrastructure | Feature  | New    | Normal   | define and implement addFormat() method                                                                                                         | Rob Nahf          | 2016-06-22 16:51 | Architecture Design |
| 1471 | Infrastructure | Task     | New    | Normal   | Define implicit curator role at Member Nodes.                                                                                                   | Matthew Jones     | 2014-10-01 20:47 |                     |
| 3658 | DataONE API    | Bug      | New    | Normal   | Deleting objects breaks obsoletes chain traversal                                                                                               | Chris Jones       | 2015-01-19 22:29 |                     |
| 8862 | Infrastructure | Story    | New    | Normal   | Deploy a new dataone-cn-rest release                                                                                                            | Jing Tao          | 2020-04-23 16:24 |                     |
| 8514 | Infrastructure | Task     | New    | Normal   | deploy new Metacat / synchronization slows down because of increased cn.create times                                                            | Rob Nahf          | 2018-03-22 17:07 | d1_synchronization  |
| 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 |                     |
| 7571 | CN REST        | Task     | New    | Normal   | Description for error code 401, detail code 4957 is misleading in some cases                                                                    |                   | 2016-01-05 16:25 |                     |
| 2123 | Infrastructure | Task     | New    | Normal   | Description of serialVersion                                                                                                                    | Dave Vieglais     | 2014-10-02 17:21 | Documentation       |

| #    | Project               | Tracker | Status | Priority | Subject                                                                                             | Assignee          | Updated          | Category                   |
|------|-----------------------|---------|--------|----------|-----------------------------------------------------------------------------------------------------|-------------------|------------------|----------------------------|
| 2944 | Infrastructure        | Story   | New    | Normal   | Design and implement a MN kill switch mechanism                                                     | Dave Vieglais     | 2018-01-17 20:30 | Support Operations         |
| 1073 | Infrastructure        | Task    | New    | Normal   | Design client application authentication redirection approach                                       | Matthew Jones     | 2014-10-01 20:47 | d1_identity_manager        |
| 1482 | Infrastructure        | Task    | New    | Normal   | Design mechanism to collapse two accounts into one                                                  | Matthew Jones     | 2014-10-01 20:47 |                            |
| 2035 | Infrastructure        | Task    | New    | Normal   | Design nagios system for monitoring CN locations                                                    | Nick Outin        | 2014-09-24 18:29 | d1_monitor                 |
| 7155 | OGC-Slender Node      | Task    | New    | Normal   | Design the connector, including sources of key information                                          | Dave Vieglais     | 2015-06-05 11:42 |                            |
| 2168 | CN REST               | Task    | New    | Normal   | Design UI for identity validation                                                                   | Ben Leinfelder    | 2015-01-19 22:59 |                            |
| 1474 | Infrastructure        | Task    | New    | Normal   | Design verification process for new accounts                                                        | Matthew Jones     | 2014-10-01 20:47 |                            |
| 5988 | Infrastructure        | Task    | New    | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                             | Jing Tao          | 2014-07-22 23:18 | Hardware                   |
| 7668 | Infrastructure        | Story   | New    | Normal   | Determine how indexing of data packages should work                                                 | Jing Tao          | 2018-01-17 19:28 | d1_indexer                 |
| 8084 | Infrastructure        | Story   | New    | Normal   | determine the backup strategy for rabbitMQ                                                          | Rob Nahf          | 2018-01-17 18:46 | d1_indexer                 |
| 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.Producti<br>on |
| 1644 | DataONE API           | Story   | New    | Normal   | Develop an object format creation policy                                                            |                   | 2018-01-17 20:46 |                            |
| 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 |                            |
| 2688 | Infrastructure        | Task    | New    | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison        | Dave Vieglais     | 2014-09-24 18:27 | Documentation              |
| 8349 | Testing MN Management | Task    | New    | Normal   | Develop or Implement MN Software                                                                    |                   | 2018-02-08 15:28 |                            |
| 7559 | Infrastructure        | Story   | New    | Normal   | Develop plan for securing application passwords in the CN stack                                     | Dave Vieglais     | 2018-01-17 19:34 | Architecture Design        |
| 8061 | Infrastructure        | Story   | New    | Normal   | develop queue-based processing system for the CN                                                    | Rob Nahf          | 2018-01-17 19:00 | Architecture Design        |
| 8780 | Infrastructure        | Feature | New    | Normal   | Develop support for DataCite 4.0 and 4.1 and 4.2                                                    | Dave Vieglais     | 2019-03-30 20:38 | d1_indexer                 |
| 7176 | Infrastructure        | Task    | New    | Normal   | Develop textual documentation for certificate management                                            | Dave Vieglais     | 2015-06-10 01:33 | Documentation              |
| 7177 | Infrastructure        | Task    | New    | Normal   | Develop video documentation for certificate management                                              | Dave Vieglais     | 2015-06-10 01:33 | Documentation              |
| 8340 | Testing MN Management | Story   | New    | Normal   | Discovery                                                                                           |                   | 2018-02-08 15:28 |                            |
| 8381 | Testing MN Management | Story   | New    | Normal   | Discovery                                                                                           |                   | 2018-02-27 17:32 |                            |

| #    | Project               | Tracker | Status | Priority | Subject                                                                                                         | Assignee      | Updated          | Category                      |
|------|-----------------------|---------|--------|----------|-----------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------------------------|
| 8351 | Testing MN Management | Task    | New    | Normal   | Display as Upcoming                                                                                             |               | 2018-02-08 15:28 |                               |
| 6336 | MN Dashboard          | Feature | New    | Normal   | Display MN POCs on the detail MN pages of the dashboard                                                         | Skye Roseboom | 2015-04-29 22:49 |                               |
| 4120 | Infrastructure        | Task    | New    | Normal   | Display total data downloads in the SummaryView header                                                          | Skye Roseboom | 2014-03-31 17:41 | d1_dashboard                  |
| 6167 | Infrastructure        | Task    | New    | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case                      | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 8238 | Infrastructure        | Task    | New    | Normal   | Document contacts and procedure for using KU ORCID membership API key                                           | Dave Vieglais | 2018-01-09 02:22 | Authentication, Authorization |
| 2018 | Infrastructure        | Task    | New    | Normal   | document DataONE CA operations procedures                                                                       | Matthew Jones | 2012-04-23 17:53 | Support Operations            |
| 2033 | Infrastructure        | Task    | New    | Normal   | Document hardware / CN administrators and their contact info                                                    | Dave Vieglais | 2014-09-24 18:29 | Management                    |
| 8171 | Infrastructure        | Task    | New    | Normal   | Document hazelcast components to be moved to postgres storage                                                   | Monica Ihli   | 2017-09-01 15:25 |                               |
| 8169 | Infrastructure        | Task    | New    | Normal   | Document process for changing the postgres master                                                               | Monica Ihli   | 2017-09-01 15:09 |                               |
| 2549 | Infrastructure        | Task    | New    | Normal   | document the decision                                                                                           | Matthew Jones | 2012-03-27 22:03 | Authentication, Authorization |
| 7883 | Infrastructure        | Task    | New    | Normal   | Document the log files of relevance on Coordinating Nodes                                                       |               | 2016-09-09 20:20 |                               |
| 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            |
| 3308 | Infrastructure        | Task    | New    | Normal   | Document the process for removing content contributed from a specific member node and/or the entire member node | Dave Vieglais | 2014-03-14 18:29 | Support Operations            |
| 2031 | Infrastructure        | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UCSB                                         | Nick Outin    | 2014-09-24 18:29 | Hardware                      |
| 2030 | Infrastructure        | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UNM                                          | Dave Vieglais | 2014-09-24 18:29 | Hardware                      |
| 2028 | Infrastructure        | Task    | New    | Normal   | Document VM specifications for CNs                                                                              | Dave Vieglais | 2014-09-24 18:29 | Management                    |
| 2029 | Infrastructure        | Task    | New    | Normal   | Document VM specifications for replication MNs                                                                  | Dave Vieglais | 2014-09-24 18:29 | Management                    |
| 8109 | Infrastructure        | Story   | New    | Normal   | Does authentication token need to include group information?                                                    | Dave Vieglais | 2018-01-17 18:45 | Authentication, Authorization |
| 7864 | DUG                   | Task    | New    | Normal   | DOI Services for Members                                                                                        |               | 2016-08-09 20:40 |                               |
| 7907 | DUG                   | Task    | New    | Normal   | Doodle poll on the time/date for monthly meeting                                                                |               | 2016-10-11 20:35 |                               |
| 7476 | DUG                   | Task    | New    | Normal   | Do we need an event management system to better organize the DUG?                                               |               | 2015-11-09 22:43 |                               |
| 7473 | DUG                   | Task    | New    | Normal   | Draft 2016 DUG annual meeting brochure                                                                          |               | 2015-11-09 22:38 |                               |
| 7474 | DUG                   | Task    | New    | Normal   | Draft generic letter of invitation that DUG SC can carry and distribute widely.                                 |               | 2015-11-09 22:38 |                               |
| 7484 | DUG                   | Task    | New    | Normal   | DUG Agenda                                                                                                      |               | 2015-11-10 21:39 |                               |

| #    | Project          | Tracker      | Status | Priority | Subject                                                                                                    | Assignee      | Updated          | Category               |
|------|------------------|--------------|--------|----------|------------------------------------------------------------------------------------------------------------|---------------|------------------|------------------------|
| 8196 | Infrastructure   | Bug          | New    | Normal   | Duplicated replicas in the system metadata                                                                 | Jing Tao      | 2017-10-18 17:19 | d1_replication         |
| 8367 | Infrastructure   | Story        | New    | Normal   | Duplicate jenkins jobs from UNM to UCSB                                                                    | Dave Vieglais | 2019-01-22 19:25 | Support Operations     |
| 7178 | Infrastructure   | Bug          | New    | Normal   | duplicate replica information on mn-demo-5                                                                 | Robert Waltz  | 2015-07-01 20:14 | d1_replication         |
| 8849 | Infrastructure   | Story        | New    | Normal   | During sync, the CN does not detect error returned from getChecksum()                                      | Jing Tao      | 2019-11-06 22:07 |                        |
| 8548 | Member Nodes     | MNDeployment | New    | Normal   | Earthdata powered by EOSDIS                                                                                |               | 2018-04-17 19:51 |                        |
| 8549 | Member Nodes     | MNDeployment | New    | Normal   | Earth Resources Observation and Science Center                                                             |               | 2018-04-17 19:55 |                        |
| 7512 | Member Nodes     | MNDeployment | New    | Normal   | ECOSCOPE - Network of Research Observatories on Biodiversity                                               | Laura Moyers  | 2016-07-22 12:40 |                        |
| 8074 | Python GMN       | Story        | New    | Normal   | Eliminate unnecessary setuid/setgid programs                                                               | Roger Dahl    | 2018-01-17 18:48 |                        |
| 4278 | Infrastructure   | Story        | New    | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements                               | Jing Tao      | 2018-01-17 20:04 | d1_indexer             |
| 3328 | Infrastructure   | Task         | New    | Normal   | Enable a data preview from the search results page                                                         | Chris Jones   | 2012-10-23 19:34 | d1_mercury             |
| 8150 | Infrastructure   | Task         | New    | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata                                  | Jing Tao      | 2017-07-19 21:27 |                        |
| 8167 | Infrastructure   | Story        | New    | Normal   | Enable postgres replication between Coordinating Nodes                                                     | Monica Ihli   | 2018-01-09 19:10 | dataone-cn-os-core     |
| 5313 | Java Client      | Task         | New    | Normal   | enable remote deployment of product packages from Hudson / Jenkins                                         | Rob Nahf      | 2015-02-11 20:34 |                        |
| 3616 | Infrastructure   | Task         | New    | Normal   | Enable ServiceMethodRestriction support in Metacat                                                         | Chris Jones   | 2013-02-27 16:28 | Metacat                |
| 7169 | OGC-Slender Node | Task         | New    | Normal   | Enable tracking of obsoletes / obsoleted by for data objects                                               | Dave Vieglais | 2015-06-08 19:01 |                        |
| 8756 | CN REST          | Story        | New    | Normal   | Ensure replica auditor is effective                                                                        | Chris Jones   | 2019-01-15 21:00 | d1_replication_auditor |
| 8778 | CN REST          | Task         | New    | Normal   | Ensure SystemMetadata replica auditing updates are saved and broadcast                                     | Chris Jones   | 2019-03-12 16:54 | d1_replication_auditor |
| 7949 | Infrastructure   | Task         | New    | Normal   | Ensure that there's no race condition where an entry can be added to "IN PROCESS" if it is already present | Jing Tao      | 2017-02-27 17:55 |                        |
| 2151 | Infrastructure   | Task         | New    | Normal   | Ensuring that cited objects are not deleted                                                                |               | 2011-12-23 04:20 |                        |
| 3681 | Member Nodes     | MNDeployment | New    | Normal   | EPA's Atlantic Ecology Division                                                                            | Laura Moyers  | 2016-06-23 00:10 |                        |
| 8869 | Infrastructure   | Story        | New    | Normal   | Equivalent identities show owning different amount of packages.                                            | Jing Tao      | 2020-09-24 22:34 | d1_indexer             |
| 8630 | CN REST          | Bug          | New    | Normal   | equivalentIdentity values use uppercase letters when the same person subject values are lowercase          |               | 2018-06-26 14:15 | d1_identity_manager    |
| 7298 | Python Libraries | Bug          | New    | Normal   | escapeQueryTerm should be a module method not a class method                                               | Dave Vieglais | 2015-08-18 15:06 | d1_libclient_python    |
| 8550 | Member Nodes     | MNDeployment | New    | Normal   | ESGF - Earth System Grid Federation                                                                        |               | 2018-04-17 19:58 |                        |
| 4091 | Infrastructure   | Story        | New    | Normal   | ESRI GeoPortal MN stack                                                                                    |               | 2013-10-15 13:36 |                        |
| 8697 | Member Nodes     | Task         | New    | Normal   | ESSDIVE: anonymous download issue                                                                          | Chris Jones   | 2018-09-13 19:40 |                        |
| 5454 | Member Nodes     | Task         | New    | Normal   | Evaluate dataverse potential MN                                                                            | Bruce Wilson  | 2014-05-29 19:30 |                        |
| 7749 | Member Nodes     | Task         | New    | Normal   | Evaluate disposition of the ESA MN's current content                                                       | Matthew Jones | 2016-04-26 19:52 |                        |

| #    | Project               | Tracker      | Status | Priority | Subject                                                                                     | Assignee       | Updated          | Category               |
|------|-----------------------|--------------|--------|----------|---------------------------------------------------------------------------------------------|----------------|------------------|------------------------|
| 8168 | Infrastructure        | Task         | New    | Normal   | Evaluate options for postgres replication configuration                                     | Monica Ihli    | 2017-09-01 15:11 |                        |
| 7170 | OGC-Slender Node      | Story        | New    | Normal   | Evaluate the feasibility of extracting provenance information from the journal.txt document | Dave Vieglais  | 2015-06-08 21:28 |                        |
| 3438 | Infrastructure        | Task         | New    | Normal   | Evaluate utility of schema.org                                                              |                | 2012-12-21 16:15 | Documentation          |
| 7104 | Infrastructure        | Task         | New    | Normal   | Event index reindexing shouldn't require re-harvest from MNs                                |                | 2015-07-09 15:34 | d1_log_aggregation     |
| 8733 | CN REST               | Bug          | New    | Normal   | Exception handling in ForesiteResourceMap needs improvement                                 | Jing Tao       | 2018-10-12 20:09 | d1_cn_index_processor  |
| 2794 | Infrastructure        | Task         | New    | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"      | Dave Vieglais  | 2014-10-02 17:21 | Documentation          |
| 8228 | Infrastructure        | Bug          | New    | Normal   | Excessive replicas requested by integration test                                            | Rob Nahf       | 2018-03-02 21:52 | d1_integration         |
| 8755 | Infrastructure        | Task         | New    | Normal   | Expand EML indexing support for EML 2.2                                                     | Bryce Mecum    | 2019-08-15 01:50 |                        |
| 1472 | Infrastructure        | Task         | New    | Normal   | Explain revocation policies via MN curator.                                                 | Matthew Jones  | 2014-10-01 20:47 |                        |
| 7524 | DUG                   | Task         | New    | Normal   | Explore crowd sourcing for future DUG marketing effort                                      |                | 2015-12-07 22:25 |                        |
| 3468 | Infrastructure        | Task         | New    | Normal   | Explore how CN.listObject can effectively use auto-incremented key                          | Ben Leinfelder | 2013-01-08 18:35 | Documentation          |
| 8187 | Member Nodes          | Support      | New    | Normal   | EZID DOI resolvable URLs failing for 14 PISCO objects                                       |                | 2017-09-19 22:12 |                        |
| 8146 | Member Nodes          | Task         | New    | Normal   | Failed Sync Parser                                                                          | Monica Ihli    | 2017-07-19 00:46 |                        |
| 7551 | Member Nodes          | MNDeployment | New    | Normal   | FAO - Food and Agriculture Organization of the UN                                           | Laura Moyers   | 2015-12-15 15:08 |                        |
| 8383 | Testing MN Management | Task         | New    | Normal   | Feasibility Assessment                                                                      |                | 2018-02-27 17:32 |                        |
| 8342 | Testing MN Management | Task         | New    | Normal   | Feasibility Assessment                                                                      |                | 2018-02-22 19:19 |                        |
| 8670 | Member Nodes          | Task         | New    | Normal   | FEMC - upgrade GMN 2.3.7 to 3.0.4                                                           | Roger Dahl     | 2019-08-02 18:22 |                        |
| 7127 | DataONE API           | Task         | New    | Normal   | Finalize CNAAuthentication interface                                                        | Dave Vieglais  | 2015-05-21 19:31 | api_documentation      |
| 7578 | DataONE API           | Bug          | New    | Normal   | Fix 404 link to d1_instance_generator folder in documentation                               |                | 2016-01-08 22:01 | api_documentation      |
| 6048 | Member Nodes          | Task         | New    | Normal   | Fix 404 NotFound erros on the EDORA MN                                                      | Jim Green      | 2014-11-24 14:57 |                        |
| 5137 | Infrastructure        | Task         | New    | Normal   | Fix DataONE CA chain file location in cn-buildout                                           | Chris Jones    | 2014-04-25 15:06 | d1_cn_buildout         |
| 5121 | Member Nodes          | Task         | New    | Normal   | Fix DryadDataFile instance documents with no dcterms:creator element                        | Chris Jones    | 2014-04-30 19:25 |                        |
| 8757 | CN REST               | Story        | New    | Normal   | Fix getChecksum() in MNAuditTask to use dynamic checksum algorithms                         | Chris Jones    | 2019-01-14 19:48 | d1_replication_auditor |
| 1502 | Infrastructure        | Task         | New    | Normal   | Fix hierarchy of permission levels.                                                         | Matthew Jones  | 2014-10-01 20:47 | Documentation          |
| 8749 | CN REST               | Story        | New    | Normal   | Fix log aggregation events from the CN without associated CN IPs                            | Dave Vieglais  | 2019-05-01 22:25 |                        |

| #    | Project               | Tracker      | Status | Priority | Subject                                                                                                         | Assignee     | Updated          | Category   |
|------|-----------------------|--------------|--------|----------|-----------------------------------------------------------------------------------------------------------------|--------------|------------------|------------|
| 3596 | Infrastructure        | Task         | New    | Normal   | Fix Merritt Repository resource map typing of triple objects                                                    | John Kunze   | 2013-02-19 02:27 | mn.Merritt |
| 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 |            |
| 8019 | Member Nodes          | Support      | New    | Normal   | Follow up on Preferred Replication Target Testing                                                               | Monica Ihli  | 2017-02-14 19:52 |            |
| 8779 | Infrastructure        | Story        | New    | Normal   | ForesiteResourceMap performance issue                                                                           | Rob Nahf     | 2019-03-25 18:48 | d1_indexer |
| 8551 | Member Nodes          | MNDeployment | New    | Normal   | Forest Service Research Data Archive                                                                            |              | 2018-04-17 20:00 |            |
| 8356 | Testing MN Management | Task         | New    | Normal   | Formal Announcement                                                                                             |              | 2018-02-23 19:06 |            |
| 6698 | Member Nodes          | Task         | New    | Normal   | FTGEN: Check Authentication and Authorization in Production                                                     |              | 2014-12-04 20:07 |            |
| 6691 | Member Nodes          | Task         | New    | Normal   | FTGEN: Check Authentication and Authorization in Testing Environment                                            |              | 2014-12-04 20:07 |            |
| 6694 | Member Nodes          | Task         | New    | Normal   | FTGEN: Configure SSL Certificates for Production                                                                |              | 2014-12-04 20:07 |            |
| 6687 | Member Nodes          | Task         | New    | Normal   | FTGEN: Configure SSL Certificates for Testing Environment                                                       |              | 2014-12-04 20:07 |            |
| 6682 | Member Nodes          | Task         | New    | Normal   | FTGEN: Design, code and component test a new MN implementation                                                  |              | 2014-12-04 20:07 |            |
| 6701 | Member Nodes          | Task         | New    | Normal   | FTGEN: Document and Announce                                                                                    |              | 2014-12-04 20:07 |            |
| 6700 | Member Nodes          | Task         | New    | Normal   | FTGEN: Ensure MN appears on Current MNs webpage (dashboard)                                                     |              | 2014-12-04 20:07 |            |
| 6693 | Member Nodes          | Task         | New    | Normal   | FTGEN: Establish DataONE user identity in Production                                                            |              | 2014-12-04 20:07 |            |
| 6686 | Member Nodes          | Task         | New    | Normal   | FTGEN: Establish DataONE user identity in Testing Environment                                                   |              | 2014-12-04 20:07 |            |
| 6683 | Member Nodes          | Task         | New    | Normal   | FTGEN: Implement search index and display (ONEMercury) support for any new metadata formats required by the MN. |              | 2014-12-04 20:07 |            |
| 6679 | Member Nodes          | Task         | New    | Normal   | FTGEN: Join DataONE                                                                                             |              | 2014-12-04 20:07 |            |
| 6685 | Member Nodes          | Task         | New    | Normal   | FTGEN: Local Testing                                                                                            |              | 2014-12-04 20:07 |            |
| 6699 | Member Nodes          | Task         | New    | Normal   | FTGEN: Mutual acceptance                                                                                        |              | 2014-12-04 20:07 |            |
| 6681 | Member Nodes          | Task         | New    | Normal   | FTGEN: Plan the implementation                                                                                  |              | 2014-12-04 20:07 |            |
| 6684 | Member Nodes          | Task         | New    | Normal   | FTGEN: Register any new object formats in all environments                                                      |              | 2014-12-04 20:07 |            |
| 6696 | Member Nodes          | Task         | New    | Normal   | FTGEN: Register MN in Production                                                                                |              | 2014-12-04 20:07 |            |
| 6689 | Member Nodes          | Task         | New    | Normal   | FTGEN: Register MN in Testing Environment                                                                       |              | 2014-12-04 20:07 |            |
| 6680 | Member Nodes          | Task         | New    | Normal   | FTGEN: Scope the implementation                                                                                 |              | 2014-12-04 20:07 |            |
| 6692 | Member Nodes          | Task         | New    | Normal   | FTGEN: Show MN as "upcoming" on the dashboard                                                                   |              | 2014-12-04 20:07 |            |
| 6697 | Member Nodes          | Task         | New    | Normal   | FTGEN: Verify CN Content and Services in Production                                                             |              | 2014-12-04 20:07 |            |
| 6690 | Member Nodes          | Task         | New    | Normal   | FTGEN: Verify CN Content and Services in Testing Environment                                                    |              | 2014-12-04 20:07 |            |
| 6695 | Member Nodes          | Task         | New    | Normal   | FTGEN: Verify MN Content and Services in Production                                                             |              | 2014-12-04 20:07 |            |
| 6688 | Member Nodes          | Task         | New    | Normal   | FTGEN: Verify MN Content and Services in Testing Environment                                                    |              | 2014-12-04 20:07 |            |
| 6766 | Python GMN            | Bug          | New    | Normal   | FYI ONLY: GMN local install with self-signed CA certificate breaks with new SSL support in Python 2.7.9         |              | 2015-01-20 18:53 |            |

| #    | Project      | Tracker | Status | Priority | Subject                                                                  | Assignee      | Updated          | Category |
|------|--------------|---------|--------|----------|--------------------------------------------------------------------------|---------------|------------------|----------|
| 5890 | Member Nodes | Task    | New    | Normal   | GBIF: Authentication and Authorization                                   |               | 2018-01-22 21:16 |          |
| 5878 | Member Nodes | Task    | New    | Normal   | GBIF: Content Review                                                     |               | 2016-07-02 12:45 |          |
| 5850 | Member Nodes | Task    | New    | Normal   | GBIF: Content Review                                                     |               | 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 |          |
| 5870 | Member Nodes | Task    | New    | Normal   | GBIF: Generate client certificate.                                       |               | 2016-07-02 12:45 |          |
| 5893 | Member Nodes | Task    | New    | Normal   | GBIF: Log record access                                                  |               | 2016-07-02 12:45 |          |
| 5865 | Member Nodes | Task    | New    | Normal   | GBIF: Log record access                                                  |               | 2016-07-02 12:45 |          |
| 5896 | Member Nodes | Task    | New    | Normal   | GBIF: Mutual acceptance                                                  |               | 2016-07-02 12:45 |          |
| 5873 | Member Nodes | Task    | New    | Normal   | GBIF: Register MN                                                        |               | 2016-07-02 12:45 |          |
| 5839 | Member Nodes | Task    | New    | Normal   | GBIF: Registration in environment                                        |               | 2016-07-02 12:45 |          |
| 5867 | Member Nodes | Story   | New    | Normal   | GBIF: Registration in Production environment                             |               | 2019-01-24 17:08 |          |
| 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 |          |
| 5875 | Member Nodes | Task    | New    | Normal   | GBIF: Set the node status to approved (start synchronization)            |               | 2016-07-02 12:45 |          |
| 5874 | Member Nodes | Task    | New    | Normal   | GBIF: Set up Node document                                               |               | 2016-07-02 12:45 |          |
| 5877 | Member Nodes | Task    | New    | Normal   | GBIF: Set up synchronization of the MN                                   |               | 2016-07-02 12:45 |          |
| 5849 | Member Nodes | Task    | New    | Normal   | GBIF: Set up synchronization of the MN                                   |               | 2016-07-02 12:45 |          |
| 5841 | Member Nodes | Task    | New    | Normal   | GBIF: SSL Certificates                                                   |               | 2019-01-28 14:40 |          |
| 5869 | Member Nodes | Task    | New    | Normal   | GBIF: SSL Certificates                                                   |               | 2016-07-02 12:45 |          |
| 5848 | Member Nodes | Task    | New    | Normal   | GBIF: Synchronization                                                    |               | 2016-07-02 12:45 |          |
| 5876 | Member Nodes | Task    | New    | Normal   | GBIF: Synchronization                                                    |               | 2016-07-02 12:45 |          |
| 5838 | Member Nodes | Story   | New    | Normal   | GBIF: Testing                                                            |               | 2019-01-28 14:39 |          |
| 5895 | Member Nodes | Story   | New    | Normal   | GBIF: Transition to production                                           |               | 2018-01-22 18:41 |          |
| 5897 | Member Nodes | Task    | New    | Normal   | GBIF: Verify content available for Current MNs web page                  |               | 2016-07-02 12:45 |          |
| 5887 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map content                                        |               | 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 |          |
| 5888 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type |               | 2016-07-02 12:45 |          |
| 5886 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Maps                                               |               | 2016-07-02 12:45 |          |
| 5858 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Maps                                               |               | 2016-07-02 12:45 |          |
| 5879 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data                                                |               | 2016-07-02 12:45 |          |



| #    | Project          | Tracker | Status | Priority | Subject                                                                           | Assignee        | Updated          | Category   |
|------|------------------|---------|--------|----------|-----------------------------------------------------------------------------------|-----------------|------------------|------------|
| 5851 | 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 |            |
| 5852 | Member Nodes     | Task    | New    | Normal   | GBIF: Verify Science Data content                                                 |                 | 2016-07-02 12:45 |            |
| 5882 | Member Nodes     | Task    | New    | Normal   | GBIF: Verify Science Metadata                                                     |                 | 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 |            |
| 5883 | Member Nodes     | Task    | New    | Normal   | GBIF: Verify Science Metadata content                                             |                 | 2016-07-02 12:45 |            |
| 5884 | Member Nodes     | Task    | New    | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type      |                 | 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 |            |
| 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 |            |
| 5889 | Member Nodes     | Task    | New    | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.                   |                 | 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 |            |
| 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 |            |
| 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 |            |
| 5885 | Member Nodes     | Task    | New    | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs              |                 | 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 |            |
| 8534 | Member Nodes     | Task    | New    | Normal   | GCOOS: Technical Requirements & Design Planning                                   |                 | 2018-04-09 20:18 |            |
| 8210 | Infrastructure   | Feature | New    | Normal   | Generate daily reports by member node of discrepancies between CN vs MN content   |                 | 2017-10-25 18:50 |            |
| 7168 | OGC-Slender Node | Task    | New    | Normal   | Generate system metadata for data objects                                         | Dave Vieglais   | 2015-06-08 18:59 |            |
| 7167 | OGC-Slender Node | Task    | New    | Normal   | Generate system metadata for science metadata                                     | Dave Vieglais   | 2015-06-08 18:58 |            |
| 8052 | Infrastructure   | Bug     | New    | Normal   | Geohashed value is incorrect                                                      | Peter Slaughter | 2017-04-07 22:06 | d1_indexer |
| 3115 | Infrastructure   | Task    | New    | Normal   | Get R client into working state.                                                  | Andrew Pippin   | 2012-08-02 17:32 |            |
| 7986 | Member Nodes     | Task    | New    | Normal   | GINA: Configure SSL Certificates for Production                                   | Amy Forrester   | 2018-08-31 15:22 |            |
| 7979 | Member Nodes     | Task    | New    | Normal   | GINA: Configure SSL Certificates for Testing Environment                          | Amy Forrester   | 2018-08-31 15:23 |            |
| 7992 | Member Nodes     | Task    | New    | Normal   | GINA: Document and Announce                                                       | Laura Moyers    | 2017-01-27 22:19 |            |

| #    | Project        | Tracker      | Status | Priority | Subject                                                                                           | Assignee      | Updated          | Category |
|------|----------------|--------------|--------|----------|---------------------------------------------------------------------------------------------------|---------------|------------------|----------|
| 7991 | Member Nodes   | Task         | New    | Normal   | GINA: Ensure MN appears on Current MNs webpage (dashboard)                                        | Laura Moyers  | 2017-01-27 22:19 |          |
| 7985 | Member Nodes   | Task         | New    | Normal   | GINA: Establish DataONE user identity in Production                                               | Laura Moyers  | 2017-01-27 22:15 |          |
| 7978 | Member Nodes   | Task         | New    | Normal   | GINA: Establish DataONE user identity in Testing Environment                                      | Laura Moyers  | 2017-01-27 18:44 |          |
| 7975 | Member Nodes   | Task         | New    | Normal   | GINA: Implement search index and display support for any new metadata formats required by the MN. | Roger Dahl    | 2017-01-27 18:34 |          |
| 7977 | Member Nodes   | Task         | New    | Normal   | GINA: Local Testing                                                                               | Roger Dahl    | 2017-01-27 18:46 |          |
| 7990 | Member Nodes   | Task         | New    | Normal   | GINA: Mutual acceptance                                                                           | Laura Moyers  | 2017-01-27 22:18 |          |
| 7976 | Member Nodes   | Task         | New    | Normal   | GINA: Register any new object formats in all environments                                         | Laura Moyers  | 2017-01-27 18:45 |          |
| 7988 | Member Nodes   | Task         | New    | Normal   | GINA: Register MN in Production                                                                   | Laura Moyers  | 2017-01-27 22:16 |          |
| 7981 | Member Nodes   | Task         | New    | Normal   | GINA: Register MN in Testing Environment                                                          | Laura Moyers  | 2017-01-27 18:47 |          |
| 7984 | Member Nodes   | Task         | New    | Normal   | GINA: Show MN as "upcoming" on the dashboard                                                      | Laura Moyers  | 2017-01-27 22:13 |          |
| 7989 | Member Nodes   | Task         | New    | Normal   | GINA: Verify CN Content and Services in Production                                                | Laura Moyers  | 2017-01-27 22:18 |          |
| 7982 | Member Nodes   | Task         | New    | Normal   | GINA: Verify CN Content and Services in Testing Environment                                       | Laura Moyers  | 2017-01-27 18:59 |          |
| 7987 | Member Nodes   | Task         | New    | Normal   | GINA: Verify MN Content and Services in Production                                                | Laura Moyers  | 2017-01-27 22:16 |          |
| 7980 | Member Nodes   | Task         | New    | Normal   | GINA: Verify MN Content and Services in Testing Environment                                       | Laura Moyers  | 2017-01-27 18:46 |          |
| 8552 | Member Nodes   | MNDeployment | New    | Normal   | GLCF - Global Land Cover Facility                                                                 |               | 2018-04-17 20:01 |          |
| 6767 | Python GMN     | Bug          | New    | Normal   | GMN crashes if the replication target is not responding                                           | Roger Dahl    | 2016-04-14 14:19 |          |
| 7739 | Python GMN     | Bug          | New    | Normal   | GMN Django models need to be adjusted for var char content greater than 1024 character length     | Roger Dahl    | 2016-04-14 14:47 |          |
| 7759 | Python GMN     | Bug          | New    | Normal   | GMN docs refer to /portal for identity management                                                 | Roger Dahl    | 2017-03-28 16:45 |          |
| 6868 | Python GMN     | Bug          | New    | Normal   | GMN filters objects in list objects method from non-authenticated, non-rights-holder users        | Roger Dahl    | 2016-04-14 14:19 |          |
| 7774 | Infrastructure | Task         | New    | Normal   | GMN: Move to Let's Encrypt                                                                        |               | 2016-05-09 22:16 |          |
| 7703 | Python GMN     | Task         | New    | Normal   | GMN populating ipAddress in LogEntry with abnormal strings                                        | Roger Dahl    | 2016-06-22 17:19 |          |
| 8742 | Member Nodes   | Task         | New    | Normal   | GMN upgrade from 2.4.1 to 3.2.0                                                                   | Roger Dahl    | 2018-11-13 19:14 |          |
| 7550 | Member Nodes   | Task         | New    | Normal   | GoA portal not copying to KNB                                                                     | Lauren Walker | 2015-12-14 21:41 |          |

| #    | Project               | Tracker      | Status | Priority | Subject                                                                                                                        | Assignee       | Updated          | Category           |
|------|-----------------------|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|--------------------|
| 8594 | Member Nodes          | Task         | New    | Normal   | GOA: replicate to Research Workspace                                                                                           | Matthew Jones  | 2018-05-15 17:40 |                    |
| 7125 | Python GMN            | Task         | New    | Normal   | Handle Authorization header carrying authentication token                                                                      | Roger Dahl     | 2016-04-21 22:37 |                    |
| 7825 | Infrastructure        | Bug          | New    | Normal   | Hazelcast service stops working after a while                                                                                  | Jing Tao       | 2016-06-07 18:53 | Metacat            |
| 8734 | Infrastructure        | Story        | New    | Normal   | Hazelcast shutdown tied to out of memory exception!                                                                            | Rob Nahf       | 2018-10-18 16:55 | Metacat            |
| 1236 | Infrastructure        | Task         | New    | Normal   | Highly variable response times from cn.dataone.org                                                                             |                | 2011-01-17 16:34 | d1_cn_service      |
| 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 |                    |
| 1414 | Infrastructure        | Task         | New    | Normal   | How to represent additional Node attributes.                                                                                   |                | 2011-03-09 06:16 |                    |
| 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 |                    |
| 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 |                    |
| 3810 | Infrastructure        | Task         | New    | Normal   | Identify and setup location for user oriented operational docs                                                                 | Dave Vieglais  | 2014-09-24 18:27 | Support Operations |
| 8506 | Infrastructure        | Task         | New    | Normal   | Identify ISO metadata terms appropriate for population of data citation elements of the solr search index                      |                | 2018-10-04 18:17 |                    |
| 1442 | DataONE API           | Task         | New    | Normal   | Identify monitoring and logging use cases and requirements                                                                     | Dave Vieglais  | 2015-01-19 23:06 |                    |
| 1443 | DataONE API           | Task         | New    | Normal   | Identify operational requirements for monitoring and logging                                                                   | Dave Vieglais  | 2015-01-19 23:06 |                    |
| 8170 | Infrastructure        | Task         | New    | Normal   | Identify the components that are currently managed in LDAP on the Coordinating Nodes and how these may be migrated to postgres | Monica Ihli    | 2017-09-01 15:20 |                    |
| 7552 | Member Nodes          | MNDeployment | New    | Normal   | iDigBio - Integrated Digitized Biocollections                                                                                  | Laura Moyers   | 2016-01-05 23:45 |                    |
| 3219 | Member Nodes          | MNDeployment | New    | Normal   | iEcolab member node                                                                                                            | Ben Leinfelder | 2015-11-19 18:01 |                    |
| 8819 | Member Nodes          | Story        | New    | Normal   | IEDA documents not in DataONE                                                                                                  |                | 2019-06-13 19:20 |                    |
| 3373 | Infrastructure        | Task         | New    | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.                                                                  |                | 2012-11-06 02:05 |                    |
| 2415 | CN REST               | Task         | New    | Normal   | Implement exceptions for log endpoint                                                                                          | Robert Waltz   | 2015-01-19 22:49 |                    |
| 2414 | CN REST               | Task         | New    | Normal   | Implement exceptions for search/solr endpoint                                                                                  | Skye Roseboom  | 2015-01-19 22:49 |                    |
| 8353 | Testing MN Management | Task         | New    | Normal   | Implement in Production                                                                                                        |                | 2018-02-08 15:29 |                    |
| 995  | Infrastructure        | Task         | New    | Normal   | implement JSON formatted OLLs                                                                                                  |                | 2010-10-25 16:45 |                    |
| 8082 | Infrastructure        | Story        | New    | Normal   | implement SolrCloudClient to replace HttpService to allow concurrent updates of the solr index from differen machines          | Rob Nahf       | 2018-01-09 19:10 | d1_indexer         |

| #    | Project               | Tracker | Status | Priority | Subject                                                                                | Assignee       | Updated          | Category            |
|------|-----------------------|---------|--------|----------|----------------------------------------------------------------------------------------|----------------|------------------|---------------------|
| 7199 | Python GMN            | Task    | New    | Normal   | Implement support for token authentication approach                                    | Dave Vieglais  | 2016-03-25 01:27 |                     |
| 4667 | Java Client           | Task    | New    | Normal   | - (Important!) No types implement equals or hashCode                                   |                | 2015-02-11 20:08 |                     |
| 8831 | Member Nodes          | Story   | New    | Normal   | Import error with schema_org.data                                                      | John Evans     | 2019-08-05 18:57 |                     |
| 8107 | Infrastructure        | Feature | New    | Normal   | Improved Node Synchronization Feedback - Leveraging MNRead.synchronizationFailed()     |                | 2017-06-27 16:46 | Architecture Design |
| 7849 | CN REST               | Task    | New    | Normal   | Improve exception messages when cascading SSL derived exceptions                       | Rob Nahf       | 2016-07-19 17:23 |                     |
| 3465 | Infrastructure        | Task    | New    | Normal   | Improve Metacat listObject slicing                                                     | Ben Leinfelder | 2013-01-08 18:54 | Metacat             |
| 8499 | Infrastructure        | Task    | New    | Normal   | Improve rendering of http://www.isotc211.org/2005/gmd-pangaea in search UI             |                | 2018-05-01 01:07 |                     |
| 3175 | Infrastructure        | Task    | New    | Normal   | Include dataoneTypes.xsd in Metacat registered schemas                                 | Chris Jones    | 2012-10-05 14:23 | Metacat             |
| 7528 | DataONE API           | Bug     | New    | Normal   | Incorrect argument name documented for CNCORE.reservedIdentifier                       |                | 2015-12-08 19:51 | api_documentation   |
| 7767 | Infrastructure        | Task    | New    | Normal   | In DataONE search results, move map display to map extent                              | Dave Vieglais  | 2016-05-04 18:31 |                     |
| 8537 | Infrastructure        | Story   | New    | Normal   | indexer doesn't populate SID-defined relationships unless new resourceMap is submitted | Rob Nahf       | 2018-04-09 22:51 | d1_indexer          |
| 6044 | Infrastructure        | Bug     | New    | Normal   | Indexer needs port 5432 open to localhost during postinst                              | Robert Waltz   | 2015-01-06 18:17 | d1_cn_buildout      |
| 8363 | Infrastructure        | Story   | New    | Normal   | indexer shutdown generates index tasks                                                 | Rob Nahf       | 2018-09-24 15:25 | d1_indexer          |
| 8702 | Infrastructure        | Story   | New    | Normal   | Indexing Refactor Strategy                                                             | Rob Nahf       | 2018-09-24 18:05 | d1_indexer          |
| 8731 | Infrastructure        | Bug     | New    | Normal   | Indexing solr client method is building query with too many ORs, causing errors        | Rob Nahf       | 2018-10-04 22:25 | d1_indexer          |
| 8724 | Infrastructure        | Bug     | New    | Normal   | index out of bounds error in PortalCertificateManager                                  | Rob Nahf       | 2018-10-02 19:11 | d1_portal           |
| 8361 | Infrastructure        | Bug     | New    | Normal   | index processor throws unhandled NPE if task systemMetadata is null                    | Rob Nahf       | 2018-03-22 16:54 | d1_indexer          |
| 8758 | Infrastructure        | Story   | New    | Normal   | Index replicationStatus field                                                          | Jing Tao       | 2019-01-14 18:00 | d1_indexer          |
| 8541 | Infrastructure        | Bug     | New    | Normal   | index shutdown threw exception                                                         | Rob Nahf       | 2018-04-12 16:44 | d1_indexer          |
| 8570 | Infrastructure        | Bug     | New    | Normal   | index task not generated for a newly synchronized object                               | Jing Tao       | 2018-04-20 20:51 | d1_indexer          |
| 8341 | Testing MN Management | Task    | New    | Normal   | Initial Communications                                                                 |                | 2018-02-22 19:14 |                     |
| 8382 | Testing MN Management | Task    | New    | Normal   | Initial Communications                                                                 |                | 2018-02-27 17:32 |                     |
| 3198 | Member Nodes          | Task    | New    | Normal   | Initial contact for the USGS MN                                                        | Mike Frame     | 2013-08-23 13:07 |                     |
| 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 |                     |

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