

## Issues

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category                      |
|------|----------------|---------|--------|----------|--|---------------|------------------|-------------------------------|
| 7127 | DataONE API    | Task    | New    | Normal   | Finalize CNAAuthentication interface   | Dave Viegla   | 2015-05-21 19:31 | api_documentation             |
| 7839 | DataONE API    | Task    | New    | Normal   | Online documentation places synchronize in CNRead api  | Dave Viegla   | 2016-12-21 09:04 | api_documentation             |
| 7528 | DataONE API    | Bug     | New    | Normal   | Incorrect argument name documented for CNCORE.reserveldentier  |               | 2015-12-08 19:51 | 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             |
| 6754 | Infrastructure | Task    | New    | Normal   | Architecture API loose ends  | Dave Viegla   | 2015-01-13 18:54 | Architecture Design           |
| 7559 | Infrastructure | Story   | New    | Normal   | Develop plan for securing application passwords in the CN stack  | Dave Viegla   | 2018-01-17 19:34 | Architecture Design           |
| 6499 | Infrastructure | Feature | New    | Normal   | define and implement addFormat() method  | Rob Nahf      | 2016-06-22 16:51 | Architecture Design           |
| 8061 | Infrastructure | Story   | New    | Normal   | develop queue-based processing system for the CN   | Rob Nahf      | 2018-01-17 19:00 | Architecture Design           |
| 8046 | Infrastructure | Bug     | New    | Normal   | Mutable Member Nodes orphan unhosted objects   |               | 2017-03-15 17:40 | Architecture Design           |
| 7224 | Infrastructure | Story   | New    | Normal   | push synchronization request status indicator: synchronizeStatus method option                                     |               | 2018-01-17 19:38 | Architecture Design           |
| 7807 | Infrastructure | Story   | New    | Low      | cn.synchronize should support synchronization failure corrections.   |               | 2018-01-17 19:15 | Architecture Design           |
| 8107 | Infrastructure | Feature | New    | Normal   | Improved Node Synchronization Feedback - Leveraging MNRead.synchronizationFailed()                                 |               | 2017-06-27 16:46 | Architecture Design           |
| 8234 | Infrastructure | Story   | New    | Normal   | Use University of Kansas ORCID membership to support authentication in production environment                      | Dave Viegla   | 2018-01-09 19:10 | Authentication, Authorization |
| 8109 | Infrastructure | Story   | New    | Normal   | Does authentication token need to include group information?   | Dave Viegla   | 2018-01-17 18:45 | Authentication, Authorization |
| 8237 | Infrastructure | Task    | New    | Normal   | Configure production environment to use new API key under KU ORCID membership                                      | Dave Viegla   | 2018-01-09 02:21 | Authentication, Authorization |
| 8238 | Infrastructure | Task    | New    | Normal   | Document contacts and procedure for using KU ORCID membership API key  | Dave Viegla   | 2018-01-09 02:22 | Authentication, Authorization |
| 3891 | Infrastructure | Task    | New    | Normal   | review vulnerability to BREACH attacks   | Dave Viegla   | 2013-08-07 15:01 | Authentication, Authorization |
| 2281 | Infrastructure | Task    | New    | Low      | Possibly update the Identity Management and Authenticated Session Management doc                                   | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 2664 | Infrastructure | Task    | New    | Normal   | Create documentation for how transitivity is enacted for authorization   | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 2549 | Infrastructure | Task    | New    | Normal   | document the decision  | Matthew Jones | 2012-03-27 22:03 | Authentication, Authorization |
| 2548 | Infrastructure | Story   | New    | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users                                     |               | 2018-01-17 20:36 | Authentication, Authorization |
| 7918 | CN REST        | Bug     | New    | Normal   | SEAD object only partially synchronized - missing autogen.2016092916012224122 document from /var/metacat/documents | Dave Viegla   | 2016-10-21 18:00 | cn_metacat                    |
| 8740 | CN REST        | Bug     | New    | Normal   | CN resolve service returning 404 for some pids   |               | 2019-01-22 18:41 | cn_metacat                    |
| 3768 | Infrastructure | Task    | New    | Normal   | Add canonical DataONE description paper to citing DataONE web-page   | Amber Budden  | 2013-05-16 22:20 | Community Engagement          |

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| 925  | Infrastructure | Task    | New    | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client  |                | 2011-10-31 20:32 | d1_client_ONEDrive    |
| 8855 | Infrastructure | Story   | New    | Normal   | Put the system metadata part ahead of the object part when d1_client_r constructs the multipart                      | Matthew Jones  | 2019-11-22 18:29 | d1_client_r           |
| 2896 | Infrastructure | Task    | New    | Normal   | Modify the admin DN in createObjectformat script per environment   | Chris Jones    | 2012-10-05 14:23 | d1_cn_buildout        |
| 5137 | Infrastructure | Task    | New    | Normal   | Fix DataONE CA chain file location in cn-buildout  | Chris Jones    | 2014-04-25 15:06 | d1_cn_buildout        |
| 2791 | Infrastructure | Task    | New    | Normal   | verify on dev machines   | Dave Vieglaiss | 2012-05-21 17:41 | d1_cn_buildout        |
| 8376 | Infrastructure | Feature | New    | Normal   | Make the script file - insertOrUpdateObjectFormatList.sh (in metacat cn buildout) change the user name automatically | Jing Tao       | 2018-02-21 22:48 | d1_cn_buildout        |
| 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        |
| 3869 | Infrastructure | Bug     | New    | Normal   | wrong key set in portal/WEB-INF/client.xml   | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout        |
| 6044 | Infrastructure | Bug     | New    | Normal   | Indexer needs port 5432 open to localhost during postinst  | Robert Waltz   | 2015-01-06 18:17 | d1_cn_buildout        |
| 4129 | Infrastructure | Bug     | New    | Normal   | Only configure ufw ports for machines in xml configuration file  | Robert Waltz   | 2016-08-10 20:47 | d1_cn_buildout        |
| 5582 | Infrastructure | Bug     | New    | Normal   | xinetd not supported via debian install  | Robert Waltz   | 2014-10-02 19:27 | d1_cn_buildout        |
| 6882 | Infrastructure | Bug     | New    | Normal   | after CN upgrade togglePortsAndReplication.sh missing  | Robert Waltz   | 2016-01-05 17:54 | d1_cn_buildout        |
| 4142 | Infrastructure | Bug     | New    | Normal   | dataone-cn-processdaemon perm needs to be reconfiguration friendly   | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout        |
| 6060 | Infrastructure | Bug     | New    | Normal   | dataone-cn-index install should fail if subtasks fail  | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout        |
| 1226 | Infrastructure | Task    | New    | Normal   | Verify that cn buildout is using the hudson generated Metacat war  |                | 2011-01-13 14:57 | d1_cn_buildout        |
| 4650 | Infrastructure | Story   | New    | Normal   | Allow MN to bias resolve to the authoritative MN   | Rob Nahf       | 2018-01-17 20:00 | d1_cn_common          |
| 7650 | Infrastructure | Story   | New    | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy  | Rob Nahf       | 2018-01-17 19:31 | d1_cn_common          |
| 8733 | CN REST        | Bug     | New    | Normal   | Exception handling in ForesiteResourceMap needs improvement  | Jing Tao       | 2018-10-12 20:09 | d1_cn_index_processor |
| 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   |
| 3572 | Infrastructure | Bug     | New    | Normal   | LDAP not updated for Node when synchronized set to true  | Robert Waltz   | 2014-10-01 22:56 | d1_cn_node_registry   |
| 7489 | CN REST        | Bug     | New    | Normal   | processing daemon common-logging misconfigured   | Robert Waltz   | 2016-01-21 17:18 | d1_cn_process_daemon  |
| 8771 | CN REST        | Story   | New    | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`  | Dave Vieglaiss | 2019-03-05 19:43 | d1_cn_rest            |
| 8770 | CN REST        | Story   | New    | Normal   | Issue with CN handling of encoded identifiers in object/ meta/ node/, others?  | Jing Tao       | 2019-03-05 19:37 | d1_cn_rest            |
| 7903 | CN REST        | Task    | New    | Normal   | Need to implement/support the default http methods - HEAD and GET on all DataONE API (both cn and mn)                | Jing Tao       | 2016-10-10 16:53 | d1_cn_rest            |
| 8867 | CN REST        | Bug     | New    | High     | CNCore.listChecksumAlgorithms() returns incorrect list   | Jing Tao       | 2020-08-06 00:06 | d1_cn_rest            |
| 8698 | CN REST        | Bug     | New    | Normal   | CN Performance degradation   |                | 2018-09-13 21:05 | d1_cn_rest            |
| 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         |
| 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         |

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| 5145 | Infrastructure   | Feature     | New    | Normal   | Consider including cert subject(s) in NotAuthorized exceptions   | Chris Jones  | 2014-09-25 17:44 | d1_cn_service         |
| 6168 | Infrastructure   | Task        | New    | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure   | Chris Jones  | 2014-08-29 16:01 | d1_cn_service         |
| 4211 | Infrastructure   | Bug         | New    | Normal   | Potential race condition between archive and replication   | Chris Jones  | 2014-09-25 17:19 | d1_cn_service         |
| 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         |
| 8103 | Infrastructure   | Task        | New    | Normal   | Upgrade the postgresql jdbc jar file on the cn context   | Jing Tao     | 2017-06-02 20:56 | d1_cn_service         |
| 7940 | Infrastructure   | Story       | New    | Normal   | Retrieval of system metadata is too slow   | Robert Waltz | 2018-01-09 19:10 | d1_cn_service         |
| 7047 | Infrastructure   | Task        | New    | Normal   | Set user-agent in http request header for CN requests to member nodes  | Robert Waltz | 2015-04-15 22:41 | d1_cn_service         |
| 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         |
| 8058 | Infrastructure   | Feature     | New    | Normal   | Allow "upcoming" nodes to appear in the node list  | Robert Waltz | 2017-04-03 18:33 | d1_cn_service         |
| 592  | Requirements     | Requirement | New    | High     | DataONE needs to synchronize metadata between MNs and CNs  | Robert Waltz | 2010-09-06 02:28 | d1_cn_service         |
| 4067 | Infrastructure   | Bug         | New    | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.                                  | Robert Waltz | 2016-08-10 21:01 | d1_cn_service         |
| 1236 | Infrastructure   | Task        | New    | Normal   | Highly variable response times from cn.dataone.org   |              | 2011-01-17 16:34 | d1_cn_service         |
| 7698 | Infrastructure   | Bug         | New    | Low      | Exclude SLF4J jars in d1_solr_extensions.jar   |              | 2016-03-28 16:22 | d1_cn_solr_extensions |
| 318  | Requirements     | Requirement | New    | High     | (Requirement) Sponsor required Y1 functionality  | Dave Viegla  | 2010-09-06 03:24 | d1_common_java        |
| 822  | Requirements     | Requirement | New    | High     | (Requirement) Object access and manipulation should be responsive  | Dave Viegla  | 2010-09-06 20:27 | d1_common_java        |
| 411  | Requirements     | Requirement | New    | High     | (Requirement) The infrastructure must survive destruction of one or more data storage nodes                                  | Dave Viegla  | 2010-09-06 03:10 | d1_common_java        |
| 821  | Requirements     | Requirement | New    | High     | (Requirement) Sponsor required functionality   | Dave Viegla  | 2010-09-06 03:28 | d1_common_java        |
| 384  | Requirements     | Requirement | New    | High     | (Requirement) Enable efficient mechanisms for users to discover content  | Dave Viegla  | 2010-09-06 03:58 | d1_common_java        |
| 1554 | Java Client      | Task        | New    | Normal   | Create MockHttpClient for testing in d1_common_java  | Rob Nahf     | 2015-02-11 19:49 | d1_common_java        |
| 6511 | Java Client      | Task        | New    | Normal   | remove the deprecated MultipartRequestHandler class from d1_common_java  | Rob Nahf     | 2015-02-11 20:04 | d1_common_java        |
| 7910 | Infrastructure   | Task        | New    | Normal   | schema validation behavior   | Rob Nahf     | 2018-01-18 02:41 | d1_common_java        |
| 1555 | Java Client      | Task        | New    | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient   | Rob Nahf     | 2015-02-11 19:49 | d1_common_java        |
| 7370 | Infrastructure   | Bug         | New    | Normal   | TypeFactory.convertTypeFromType does not use xmlValue comparisons for Enum conversions                                       | Rob Nahf     | 2015-09-21 16:07 | d1_common_java        |
| 4660 | Java Client      | Task        | New    | Normal   | src/main/java has XML files  | Robert Waltz | 2015-02-11 20:08 | d1_common_java        |
| 1647 | Java Client      | Task        | New    | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()   |              | 2016-06-22 16:51 | d1_common_java        |
| 7425 | Python Libraries | Task        | New    | Normal   | Replace httplib low level use in RestClient with the requests library  | Dave Viegla  | 2016-03-25 02:03 | d1_common_python      |

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| 2147 | Infrastructure | Task    | New    | Low      | The Python stack does not support Unicode supplementary characters (above 0xffff)                 | Roger Dahl    | 2012-04-16 03:50 | d1_common_python    |
| 4125 | Infrastructure | Task    | New    | Normal   | Mock up an informational section of the Member Node detail view                                   | Chris Jones   | 2014-03-31 17:41 | d1_dashboard        |
| 3763 | Infrastructure | Task    | New    | Low      | Visualize PyPI download statistics for Python components  | Roger Dahl    | 2014-10-01 21:32 | d1_dashboard        |
| 3762 | Infrastructure | Feature | New    | Low      | DataONE software download statistics  | Roger Dahl    | 2014-10-01 21:32 | d1_dashboard        |
| 4120 | Infrastructure | Task    | New    | Normal   | Display total data downloads in the SummaryView header  | Skye Roseboom | 2014-03-31 17:41 | d1_dashboard        |
| 1073 | Infrastructure | Task    | New    | Normal   | Design client application authentication redirection approach                                     | Matthew Jones | 2014-10-01 20:47 | d1_identity_manager |
| 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 |
| 8780 | Infrastructure | Feature | New    | Normal   | Develop support for DataCite 4.0 and 4.1 and 4.2  | Dave Viegla   | 2019-03-30 20:38 | d1_indexer          |
| 8222 | Infrastructure | Task    | New    | Normal   | reindex all isotc211 content in production to reflect final decisions from origin field mapping   | Dave Viegla   | 2018-03-22 16:56 | d1_indexer          |
| 8066 | Infrastructure | Task    | New    | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest                                    | Dave Viegla   | 2017-04-11 23:47 | d1_indexer          |
| 8470 | Infrastructure | Story   | New    | Normal   | Make the spring context of the d1_index_processor daemon more configurable                        | Jing Tao      | 2018-03-22 16:53 | d1_indexer          |
| 8869 | Infrastructure | Story   | New    | Normal   | Equivalent identities show owning different amount of packages.                                   | Jing Tao      | 2020-09-24 22:34 | d1_indexer          |
| 8758 | Infrastructure | Story   | New    | Normal   | Index replicationStatus field   | Jing Tao      | 2019-01-14 18:00 | d1_indexer          |
| 8841 | Infrastructure | Story   | New    | Normal   | Solr Index processor don't parse the attributes on the otherEntity on an EML object               | Jing Tao      | 2019-09-10 22:41 | d1_indexer          |
| 7935 | Infrastructure | Task    | New    | Normal   | Use a dedicated hazelcast queue as the listener to generate index task                            | Jing Tao      | 2017-02-27 18:07 | d1_indexer          |
| 8043 | Infrastructure | Bug     | New    | Normal   | The origin field for EML documents isn't properly extracted when references are used              | Jing Tao      | 2019-02-12 18:45 | d1_indexer          |
| 7668 | Infrastructure | Story   | New    | Normal   | Determine how indexing of data packages should work   | Jing Tao      | 2018-01-17 19:28 | d1_indexer          |
| 7936 | Infrastructure | Bug     | New    | Normal   | Same pid with different status exists in the index_task table                                     | Jing Tao      | 2017-02-27 18:07 | d1_indexer          |
| 7933 | Infrastructure | Bug     | New    | Normal   | d1-index-task-processor stops processing task queue   | Jing Tao      | 2017-01-11 23:47 | d1_indexer          |
| 4278 | Infrastructure | Story   | New    | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements                      | Jing Tao      | 2018-01-17 20:04 | d1_indexer          |
| 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          |
| 8570 | Infrastructure | Bug     | New    | Normal   | index task not generated for a newly synchronized object  | Jing Tao      | 2018-04-20 20:51 | d1_indexer          |
| 8173 | Infrastructure | Story   | New    | High     | add checks for retrograde systemMetadata changes  | Jing Tao      | 2018-01-17 18:38 | d1_indexer          |
| 8837 | Infrastructure | Story   | New    | Normal   | Merge the changes from metacat's feature-project-indexing branch to d1_cn_index_processor         | Jing Tao      | 2019-08-16 17:18 | d1_indexer          |
| 8500 | Infrastructure | Bug     | New    | High     | Geohash not calculated properly   | Jing Tao      | 2018-03-14 17:06 | d1_indexer          |
| 8850 | Infrastructure | Bug     | New    | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong                       | Jing Tao      | 2019-11-06 18:32 | d1_indexer          |

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| 8504 | Infrastructure | Story   | New    | Normal   | Support creation of data citation record from solr record   | Monica Ihli     | 2018-07-17 23:06 | d1_indexer     |
| 8052 | Infrastructure | Bug     | New    | Normal   | Geohashed value is incorrect  | Peter Slaughter | 2017-04-07 22:06 | d1_indexer     |
| 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     |
| 3675 | Infrastructure | Bug     | New    | High     | package relationships not available for archived objects  | Rob Nahf        | 2018-09-21 21:01 | d1_indexer     |
| 8540 | Infrastructure | Story   | New    | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor   | Rob Nahf        | 2018-04-12 04:32 | d1_indexer     |
| 8363 | Infrastructure | Story   | New    | Normal   | indexer shutdown generates index tasks  | Rob Nahf        | 2018-09-24 15:25 | d1_indexer     |
| 8182 | Infrastructure | Bug     | New    | Normal   | relationships defined using SIDs in resource maps don't stay current  | Rob Nahf        | 2017-09-12 00:13 | d1_indexer     |
| 8779 | Infrastructure | Story   | New    | Normal   | ForesiteResourceMap performance issue   | Rob Nahf        | 2019-03-25 18:48 | d1_indexer     |
| 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     |
| 8686 | Infrastructure | Bug     | New    | Normal   | d1-index-task-processor failed with NPE   | Rob Nahf        | 2018-08-24 01:35 | d1_indexer     |
| 8093 | Infrastructure | Bug     | New    | Normal   | resource map index processing is inefficient (2sec / referenced object)   | Rob Nahf        | 2017-05-10 20:00 | d1_indexer     |
| 8084 | Infrastructure | Story   | New    | Normal   | determine the backup strategy for rabbitMQ  | Rob Nahf        | 2018-01-17 18:46 | d1_indexer     |
| 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     |
| 8361 | Infrastructure | Bug     | New    | Normal   | index processor throws unhandled NPE if task systemMetadata is null   | Rob Nahf        | 2018-03-22 16:54 | d1_indexer     |
| 8078 | Infrastructure | Task    | New    | Normal   | standardize task serialization for language independence  | Rob Nahf        | 2017-04-25 22:39 | d1_indexer     |
| 8703 | Infrastructure | Task    | New    | Normal   | test the cleaned up indexer in DEV  | Rob Nahf        | 2018-09-24 18:05 | 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     |
| 8541 | Infrastructure | Bug     | New    | Normal   | index shutdown threw exception  | Rob Nahf        | 2018-04-12 16:44 | d1_indexer     |
| 3156 | Infrastructure | Task    | New    | Low      | Design Review: resource map indexing strategy   | Skye Roseboom   | 2012-08-27 18:51 | d1_indexer     |
| 3313 | Infrastructure | Task    | New    | Normal   | Configure indexer to handle inline eml data   | Skye Roseboom   | 2012-10-08 21:01 | d1_indexer     |
| 7858 | Infrastructure | Bug     | New    | Normal   | Obsoleting a resource map clears the resourceMap field for the obsoleted package                                      |                 | 2017-03-28 16:20 | d1_indexer     |
| 8736 | Infrastructure | Story   | New    | Normal   | Decouple the index generator to the hazelcast system metadata map   |                 | 2019-01-22 19:27 | d1_indexer     |
| 8228 | Infrastructure | Bug     | New    | Normal   | Excessive replicas requested by integration test  | Rob Nahf        | 2018-03-02 21:52 | d1_integration |
| 3757 | Infrastructure | Task    | New    | Normal   | Verify Log reporting in MN Tester   | Rob Nahf        | 2013-05-10 17:42 | d1_integration |
| 2545 | Infrastructure | Task    | New    | Normal   | create d1_integration tests using for MN.generateldentifier   | Rob Nahf        | 2014-10-02 17:54 | d1_integration |

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| 3907 | Infrastructure   | Task    | New    | Normal   | MN Integration Test - verify system metadata returned matches expected                                | Rob Nahf      | 2013-08-09 18:48 | d1_integration      |
| 8854 | Infrastructure   | Story   | New    | Normal   | Put the system metadata part ahead of the object part when d1_libclient_java constructs the multipart | Jing Tao      | 2019-11-22 18:25 | d1_libclient_java   |
| 6850 | Java Client      | Story   | New    | Normal   | automate Java Client releases   | Rob Nahf      | 2018-01-17 19:42 | d1_libclient_java   |
| 1559 | Java Client      | Task    | New    | Low      | Refactor d1_libclient_java echo tests   | Rob Nahf      | 2015-02-11 19:49 | d1_libclient_java   |
| 7537 | Infrastructure   | Task    | New    | Normal   | add nodelist refreshes to NodeLocator classes   | Rob Nahf      | 2015-12-10 16:59 | d1_libclient_java   |
| 7822 | Infrastructure   | Task    | New    | Normal   | Should we configure clients to use Expect 100-Continue header in 1.1 requests                         | Rob Nahf      | 2016-06-03 19:46 | d1_libclient_java   |
| 8045 | Infrastructure   | Bug     | New    | Normal   | certificateLocation not seeming to be utilized  | Rob Nahf      | 2017-03-14 20:45 | d1_libclient_java   |
| 8230 | Infrastructure   | Task    | New    | Normal   | review bouncy castle version  | Rob Nahf      | 2018-03-02 21:48 | 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   |
| 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   |
| 3165 | Java Client      | Bug     | New    | Low      | Libclient caching does not respect accessPolicies   | Rob Nahf      | 2015-02-11 18:37 | d1_libclient_java   |
| 7538 | Infrastructure   | Task    | New    | Normal   | look at nodeFactory in how it builds mock CNodes  | Rob Nahf      | 2015-12-10 17:03 | d1_libclient_java   |
| 1648 | Java Client      | Task    | New    | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                                     |               | 2016-06-22 16:51 | d1_libclient_java   |
| 7312 | Java Client      | Feature | New    | Normal   | Restart connection manager  |               | 2015-08-24 17:24 | d1_libclient_java   |
| 7427 | Python Libraries | Task    | New    | Normal   | adjust API signatures in python libraries   | Dave Vieglais | 2016-03-25 01:11 | d1_libclient_python |
| 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 |
| 7299 | Python Libraries | Bug     | New    | Normal   | SolrConnection fails if persistent property is not set to True  | Roger Dahl    | 2016-04-20 19:45 | d1_libclient_python |
| 7123 | Python Libraries | Task    | New    | Normal   | Send Authorization header carrying authentication token   | Roger Dahl    | 2016-04-21 22:37 | d1_libclient_python |
| 7821 | Python Libraries | Task    | New    | Low      | Verify Expect: 100-Continue header on POST or PUT requests  | Roger Dahl    | 2016-06-03 19:58 | d1_libclient_python |
| 6056 | Infrastructure   | Story   | New    | Normal   | remove log aggregation processing from d1-processing Linux service                                    | Dave Vieglais | 2018-01-17 19:55 | d1_log_aggregation  |
| 8603 | Infrastructure   | Bug     | New    | Normal   | log aggregation incorrectly assigning location information  | Dave Vieglais | 2018-06-07 20:52 | d1_log_aggregation  |
| 7688 | Infrastructure   | Bug     | New    | Normal   | LogAggregation unable to change BaseURLs upon updateNodeCapabilities notification                     | Dave Vieglais | 2018-01-02 12:02 | d1_log_aggregation  |
| 8604 | Infrastructure   | Task    | New    | Normal   | Update the static IP lists for robots etc   | Dave Vieglais | 2018-06-07 20:56 | d1_log_aggregation  |
| 8602 | Infrastructure   | Story   | New    | Normal   | Log aggregation and augmentation process mid 2018 updates   | Dave Vieglais | 2018-06-07 20:49 | d1_log_aggregation  |
| 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  |
| 7868 | Infrastructure   | Bug     | New    | Normal   | potential gaps between log harvests   | Rob Nahf      | 2017-03-23 15:40 | d1_log_aggregation  |

| #    | Project        | Tracker  | Status | Priority | Subject  | Assignee       | Updated          | Category           |
|------|----------------|----------|--------|----------|--|----------------|------------------|--------------------|
| 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 |
| 6514 | Infrastructure | Task     | New    | Normal   | Reharvest all Records to build initial cache   | Robert Waltz   | 2015-01-13 15:56 | d1_log_aggregation |
| 7702 | Log Reporting  | Task     | New    | Normal   | abnormal strings in ipAddress field of solr  | Robert Waltz   | 2016-06-22 17:18 | d1_log_aggregation |
| 7104 | Infrastructure | Task     | New    | Normal   | Event index reindexing shouldn't require re-harvest from MNs   |                | 2015-07-09 15:34 | d1_log_aggregation |
| 1873 | Infrastructure | Feature  | New    | Normal   | Postprocessing tool for log reporting  |                | 2014-10-02 17:06 | d1_log_aggregation |
| 8657 | Log Reporting  | Bug      | New    | Normal   | Log aggregation service not recording logs for the MNs - urn:node:TDAR and urn:node:OTS_NDC                                  |                | 2018-07-16 21:36 | d1_log_aggregation |
| 7682 | Log Reporting  | Task     | New    | Normal   | Sluggish Purging Read Event Cache  |                | 2016-03-17 15:02 | d1_log_aggregation |
| 3328 | Infrastructure | Task     | New    | Normal   | Enable a data preview from the search results page   | Chris Jones    | 2012-10-23 19:34 | d1_mercury         |
| 3099 | Infrastructure | Decision | New    | Normal   | ONE-Mercury display of data set citation   | Dave Vieglaiss | 2012-07-23 21:24 | d1_mercury         |
| 1227 | Infrastructure | Task     | New    | Normal   | configure Hudson to build Mercury for deployment to a CN   | Dave Vieglaiss | 2011-01-13 15:16 | d1_mercury         |
| 8105 | Infrastructure | Task     | New    | Normal   | Remove dataone-mercury from production CNs   | Jing Tao       | 2018-03-02 22:17 | d1_mercury         |
| 8791 | Infrastructure | Story    | New    | Normal   | Complete deprecation of ONEMercury interface   | Rob Nahf       | 2019-05-01 14:00 | d1_mercury         |
| 4300 | Infrastructure | Bug      | New    | Low      | Create more appropriate "create" entry in the LogRecord for replicas   | Roger Dahl     | 2016-04-21 22:38 | d1_mn_GMN          |
| 4303 | Infrastructure | Bug      | New    | Low      | Fix potential bug where an object could be created and accepted for replication simultaneously.                              | Roger Dahl     | 2016-04-21 22:38 | d1_mn_GMN          |
| 2492 | Infrastructure | Task     | New    | Normal   | Add status page for given {pid}  | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor         |
| 2035 | Infrastructure | Task     | New    | Normal   | Design nagios system for monitoring CN locations   | Nick Outin     | 2014-09-24 18:29 | d1_monitor         |
| 8102 | Infrastructure | Task     | New    | Normal   | Upgrade postgresql jdbc jar file on Portal   | Jing Tao       | 2017-06-02 20:53 | d1_portal          |
| 8724 | Infrastructure | Bug      | New    | Normal   | index out of bounds error in PortalCertificateManager  | Rob Nahf       | 2018-10-02 19:11 | d1_portal          |
| 8860 | CN REST        | Bug      | New    | Normal   | /token endpoint doesn't set a content-type and character encoding  |                | 2020-02-29 01:00 | d1_portal          |
| 8069 | Infrastructure | Bug      | New    | Normal   | Name from ORCID incorrectly parsed   | Ben Leinfelder | 2017-04-12 20:28 | d1_portal_servlet  |
| 7884 | Infrastructure | Task     | New    | Normal   | CN portal log is misconfigured   | Rob Nahf       | 2016-09-09 20:18 | d1_portal_servlet  |
| 8161 | Infrastructure | Bug      | New    | Normal   | d1-processing Out of Memory Error  | Dave Vieglaiss | 2018-02-20 16:19 | d1_process_daemon  |
| 5321 | Infrastructure | Bug      | New    | Normal   | Multiple Hazelcast Client connections to same storage instance   | Robert Waltz   | 2016-08-10 20:58 | d1_process_daemon  |
| 8856 | Infrastructure | Story    | New    | Normal   | Put the system metadata part ahead of the object part when d1_client_python constructs the multipart                         |                | 2019-11-22 18:31 | d1_python          |
| 8640 | Infrastructure | Bug      | New    | Normal   | Replication includes "down" nodes as replication targets   | Chris Jones    | 2018-07-04 11:29 | d1_replication     |
| 8639 | Infrastructure | Story    | New    | Normal   | Replication performance is too slow to service demand  | Chris Jones    | 2018-07-04 11:18 | d1_replication     |
| 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     |
| 8642 | Infrastructure | Bug      | New    | Normal   | Replication tasks apparently not deleted from backing store in a timely fashion  | Dave Vieglaiss | 2018-07-05 12:11 | d1_replication     |

| #    | 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         |
| 4038 | Infrastructure | Feature | New    | Normal   | change default replication implementation  | Matthew Jones  | 2014-10-01 21:26 | d1_replication         |
| 8162 | Infrastructure | Story   | New    | Normal   | Replication tasks can contain stale potential target nodes   | Rob Nahf       | 2018-03-02 21:47 | d1_replication         |
| 6376 | Infrastructure | Task    | New    | Normal   | test the new strategy against working ReplicationManager test  | Rob Nahf       | 2016-06-22 16:53 | d1_replication         |
| 7178 | Infrastructure | Bug     | New    | Normal   | duplicate replica information on mn-demo-5   | Robert Waltz   | 2015-07-01 20:14 | d1_replication         |
| 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 |
| 8756 | CN REST        | Story   | New    | Normal   | Ensure replica auditor is effective  | Chris Jones    | 2019-01-15 21:00 | d1_replication_auditor |
| 8776 | CN REST        | Task    | New    | Normal   | Set valid replica status to completed  | Chris Jones    | 2019-03-12 15:57 | d1_replication_auditor |
| 8777 | CN REST        | Task    | New    | Normal   | Configure CN to audit objects greater than 1GB   | Chris Jones    | 2019-03-13 20:50 | 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 |
| 8108 | Infrastructure | Support | New    | Normal   | Must determine the state of replication auditing for when replicas on non-functioning MNs are still reported as complete | Dave Vieglaiss | 2017-06-06 17:56 | d1_replication_auditor |
| 8582 | CN REST        | Story   | New    | Normal   | Replica Auditing service is throwing errors  | Jing Tao       | 2019-01-14 16:40 | d1_replication_auditor |
| 2488 | Infrastructure | Story   | New    | Normal   | Changing the authoritativeMembernode will require all replica's systemMetadata be updated                                | Dave Vieglaiss | 2018-01-17 20:39 | d1_synchronization     |
| 4098 | Infrastructure | Task    | New    | Normal   | Synchronization should allow valid replicas held by MNs to set obsoletedBy and archive flags                             | Dave Vieglaiss | 2014-07-31 22:23 | d1_synchronization     |
| 8864 | CN REST        | Story   | New    | Normal   | Synchronization does not register authoritative replica entry correctly  | Jing Tao       | 2020-06-19 21:59 | d1_synchronization     |
| 8851 | Infrastructure | Story   | New    | Normal   | CN sends error doc with "pid" to v2 endpoint   | Jing Tao       | 2019-11-06 22:31 | d1_synchronization     |
| 8097 | Infrastructure | Story   | New    | Normal   | Metacat (storage) and d1-synchronize both have the code to compute the checksum  | Jing Tao       | 2018-01-09 19:10 | d1_synchronization     |
| 8737 | Infrastructure | Story   | New    | Normal   | Submitters and rights-holders with group permissions can't be granted authorization when the sync process validates sid  | Jing Tao       | 2018-11-28 17:12 | d1_synchronization     |
| 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     |
| 7889 | Infrastructure | Story   | New    | Normal   | Synchronization not happening when authoritativeMN is not set correctly.   | Rob Nahf       | 2018-01-17 19:01 | d1_synchronization     |
| 7687 | CN REST        | Bug     | New    | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification                                       | Rob Nahf       | 2016-07-22 19:22 | d1_synchronization     |
| 8783 | Infrastructure | Bug     | New    | Normal   | synchronization re-created 26k map entries in SyncQueueFacade.nodeldRoundRobin   | Rob Nahf       | 2019-04-02 20:10 | d1_synchronization     |
| 8036 | Infrastructure | Story   | New    | Normal   | synchronization should respond to various MN down conditions to avoid syncFailures                                       | Rob Nahf       | 2018-01-17 18:55 | d1_synchronization     |
| 8827 | Infrastructure | Bug     | New    | Normal   | synchronization doesn't update dateSystemMetadataModified if that's the only field that changed                          | Rob Nahf       | 2019-07-11 21:26 | d1_synchronization     |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee        | Updated          | Category                |
|------|----------------|---------|--------|----------|--|-----------------|------------------|-------------------------|
| 6070 | Infrastructure | Bug     | New    | Normal   | CNs missing GOA objects  | Robert Waltz    | 2016-08-10 20:56 | d1_synchronization      |
| 6011 | Infrastructure | Bug     | New    | Normal   | Synchronization fails from max_syncobjectqueue_size  | Robert Waltz    | 2016-01-05 17:52 | d1_synchronization      |
| 7954 | Infrastructure | Bug     | New    | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN     | Roger Dahl      | 2017-04-19 18:55 | d1_synchronization      |
| 7161 | CN REST        | Bug     | New    | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized                     |                 | 2015-06-05 18:04 | d1_synchronization      |
| 7911 | CN REST        | Task    | New    | Normal   | Synchronization allows invalid checksums, preventing corrected sync                        |                 | 2016-10-17 15:58 | d1_synchronization      |
| 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      |
| 8167 | Infrastructure | Story   | New    | Normal   | Enable postgres replication between Coordinating Nodes                                     | Monica Ihli     | 2018-01-09 19:10 | dataone-cn-os-core      |
| 8115 | Infrastructure | Bug     | New    | Normal   | LDAP logging is set to DEBUG on production CNs   | Rob Nahf        | 2017-12-26 18:29 | dataone-cn-os-core      |
| 7699 | Infrastructure | Bug     | New    | Normal   | alter scripts that backup postgresql db  |                 | 2017-05-09 17:33 | dataone-cn-os-core      |
| 8076 | Infrastructure | Bug     | New    | High     | sysmeta can not be retrieved for some objects  | Dave Vieglais   | 2017-04-22 01:54 | dataone-cn-rest-service |
| 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 |
| 3468 | Infrastructure | Task    | New    | Normal   | Explore how CN.listObject can effectively use auto-incremented key                         | Ben Leinfelder  | 2013-01-08 18:35 | Documentation           |
| 1986 | Infrastructure | Task    | New    | Normal   | Update UC04 to use correct CN method for determining if a PID exists                       | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 1983 | Infrastructure | Task    | New    | Normal   | UC04 describes MNCore.ping() with discovery capability                                     | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 6167 | Infrastructure | Task    | New    | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 1961 | Infrastructure | Task    | New    | Normal   | Types.ErrorMessage - does not exist  | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 3314 | Infrastructure | Task    | New    | Normal   | CNRead.getQueryEngineDescription() - REST URL  | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 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           |
| 3063 | Infrastructure | Task    | New    | Normal   | Change Mutability of Metadata documentation  | Dave Vieglais   | 2014-09-24 18:27 | Documentation           |
| 4190 | Infrastructure | Task    | New    | Normal   | Update architecture docs to import dataoneErrors.xsd                                       | Dave Vieglais   | 2014-09-24 18:28 | Documentation           |
| 2826 | Infrastructure | Task    | New    | Normal   | MNStorage.archive() - Permissions  | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 2810 | Infrastructure | Task    | New    | Normal   | setReplicationStatus() example rwt state transition is incorrect                           | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 4102 | Infrastructure | Task    | New    | Normal   | Add expiration policy for CNCORE.reservelidentifier()                                      | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 2809 | Infrastructure | Task    | New    | Normal   | MNStorage.update() - Make behavior explicit  | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 2794 | Infrastructure | Task    | New    | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"     | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee      | Updated          | Category      |
|------|----------------|---------|--------|----------|---|---------------|------------------|---------------|
| 2793 | Infrastructure | Task    | New    | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header                   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2660 | Infrastructure | Task    | New    | Normal   | Deciding on a key size for D1 certs   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2646 | Infrastructure | Task    | New    | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()                     | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3901 | Infrastructure | Task    | New    | Normal   | Review Mozilla Persona as an alternative for identity management  | Dave Vieglais | 2013-08-09 11:57 | Documentation |
| 7279 | Infrastructure | Task    | New    | Normal   | MN implementation documentation - need document management solution                                     | Dave Vieglais | 2015-07-28 22:24 | Documentation |
| 3881 | Infrastructure | Task    | New    | Normal   | 4.2.1.4 Definition of Verified User Lacking   | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 6069 | Infrastructure | Story   | New    | Normal   | open ask.dataone.org sign-in to community   | Dave Vieglais | 2014-10-01 20:39 | Documentation |
| 2508 | Infrastructure | Task    | New    | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.                            | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3720 | Infrastructure | Story   | New    | Normal   | resource maps should be validated   | Dave Vieglais | 2018-01-17 20:17 | Documentation |
| 2688 | Infrastructure | Task    | New    | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison            | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 2475 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - How to represent null  | 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 |
| 3807 | Infrastructure | Task    | New    | Normal   | Add documentation for Types.QueryEngineDescription  | 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 |
| 2464 | Infrastructure | Task    | New    | Normal   | Authentication - no space after comma in subjects   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3728 | Infrastructure | Task    | New    | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 2394 | Infrastructure | Task    | New    | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2342 | Infrastructure | Task    | New    | Normal   | CNCore.reserveIdentifier() - Update REST description  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2286 | Infrastructure | Task    | New    | Low      | Change Exceptions.InvalidToken to Exceptions.InvalidSession   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2227 | Infrastructure | Task    | New    | Normal   | Specify valid mimetypes for responses   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2172 | Infrastructure | Task    | New    | Normal   | Types.DateTime: Example serialization without TZ designator   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3598 | Infrastructure | Task    | New    | Normal   | Node document subject description is a bit unclear  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2142 | Infrastructure | Task    | New    | Normal   | MNReplication.getReplica() - include PID in signature   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2123 | Infrastructure | Task    | New    | Normal   | Description of serialVersion  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2083 | Infrastructure | Task    | New    | Normal   | Split the CN API into public and private sections   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2054 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                                       | 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 |
| 1502 | Infrastructure | Task    | New    | Normal   | Fix hierarchy of permission levels.   | Matthew Jones | 2014-10-01 20:47 | Documentation |

| #    | Project        | Tracker  | Status | Priority | Subject   | Assignee          | Updated          | Category                |
|------|----------------|----------|--------|----------|---|-------------------|------------------|-------------------------|
| 6624 | Infrastructure | Task     | New    | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page   |                   | 2014-11-21 20:29 | Documentation           |
| 3438 | Infrastructure | Task     | New    | Normal   | Evaluate utility of schema.org  |                   | 2012-12-21 16:15 | Documentation           |
| 2051 | Infrastructure | Task     | New    | Normal   | Use subject instead of NodeRef  |                   | 2011-11-23 18:11 | Documentation           |
| 6067 | Infrastructure | Decision | New    | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?  | Robert Waltz      | 2014-08-22 03:58 | Environment.Development |
| 6542 | Infrastructure | Bug      | New    | Normal   | Unable to add metadata document on mndemo8  |                   | 2014-10-30 16:30 | Environment.Development |
| 3625 | Infrastructure | Task     | New    | Normal   | Update existing SANParks doctype="metadata" objects to new ESRI/FGDC objectFormatId                       | Ben Leinfelder    | 2013-02-27 23:44 | Environment.Production  |
| 3612 | Infrastructure | Task     | New    | Normal   | CN SystemMetadata has incomplete obsoletedBy information  | Ben Leinfelder    | 2013-03-08 17:43 | Environment.Production  |
| 5136 | Infrastructure | Task     | New    | Normal   | Change DNS settings on all DataONE VMs  | Chris Jones       | 2014-05-08 03:16 | Environment.Production  |
| 4200 | Infrastructure | Task     | New    | Normal   | Update replication.properties with metacat database password after upgrade before starting process daemon | Chris Jones       | 2013-12-11 20:34 | Environment.Production  |
| 7605 | Infrastructure | Story    | New    | Normal   | MemberNodes not authorizing CN to harvest log records   | Dave Vieglaiss    | 2018-01-17 19:33 | Environment.Production  |
| 3512 | Infrastructure | Task     | New    | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes             | Dave Vieglaiss    | 2013-01-23 16:34 | Environment.Production  |
| 7712 | Infrastructure | Story    | New    | Normal   | Sanparks fails during LogAggregation  | Laura Moyers      | 2016-04-06 16:43 | Environment.Production  |
| 7641 | Infrastructure | Task     | New    | Normal   | contact ONEShare  | Laura Moyers      | 2016-02-12 16:40 | Environment.Production  |
| 7607 | Infrastructure | Task     | New    | Normal   | LTER_EUROPE refuses the production CN from harvesting log records   | Laura Moyers      | 2016-06-09 16:34 | Environment.Production  |
| 7611 | Infrastructure | Story    | New    | Normal   | ORNLDAAC fails during log aggregation   | Laura Moyers      | 2016-01-26 16:39 | Environment.Production  |
| 7640 | Infrastructure | Story    | New    | Normal   | ONEShare failing with ServiceFailure  | Laura Moyers      | 2016-02-12 16:39 | Environment.Production  |
| 5498 | Infrastructure | Task     | New    | Normal   | Determine the cause of the Jun2014 cn-orc-1 out of memory issue   | Michael Campfield | 2014-10-31 19:11 | Environment.Production  |
| 3880 | Infrastructure | Task     | New    | Normal   | 4.2.1.3 CILogon Extension Not Documented  |                   | 2014-09-24 18:27 | Environment.Production  |
| 3879 | Infrastructure | Task     | New    | Normal   | 4.2.1.2 Missing Policies and Expectations   |                   | 2014-09-24 18:27 | Environment.Production  |
| 6706 | Infrastructure | Task     | New    | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"                           | Robert Waltz      | 2015-10-09 17:38 | Environment.Sandbox     |
| 7666 | Infrastructure | Bug      | New    | Normal   | mnTestMPC repeating attempts to set replica status to FAILED  | Laura Moyers      | 2016-02-25 21:44 | Environment.Stage1      |
| 6761 | Infrastructure | Task     | New    | Normal   | unregister extraneous nodes in STAGE-2  |                   | 2015-01-14 00:49 | Environment.Stage2      |
| 6543 | Infrastructure | Story    | New    | Normal   | Support RIF-CS metadata standard  | Dave Vieglaiss    | 2018-01-17 19:46 | Format ID               |
| 6876 | Infrastructure | Task     | New    | Normal   | Support for ISO 19139 metadata standard   |                   | 2015-03-10 17:27 | Format ID               |
| 6883 | Infrastructure | Story    | New    | Normal   | support for ESRI Shapefile object format  |                   | 2018-01-17 19:40 | Format ID               |
| 6877 | Infrastructure | Task     | New    | Normal   | Support for ISO 19115 metadata standard   |                   | 2015-03-10 18:08 | Format ID               |
| 2030 | Infrastructure | Task     | New    | Normal   | Document the structure and interconnections of VM host hardware at UNM                                    | Dave Vieglaiss    | 2014-09-24 18:29 | Hardware                |
| 5988 | Infrastructure | Task     | New    | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                                   | Jing Tao          | 2014-07-22 23:18 | Hardware                |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee        | Updated          | Category     |
|------|----------------|---------|--------|----------|--|-----------------|------------------|--------------|
| 2031 | Infrastructure | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UCSB                                | Nick Outin      | 2014-09-24 18:29 | Hardware     |
| 6367 | Infrastructure | Task    | New    | Normal   | Update drive firmware on P2-1 UCSB SAN Array   | Nick Outin      | 2014-09-08 20:19 | Hardware     |
| 2033 | Infrastructure | Task    | New    | Normal   | Document hardware / CN administrators and their contact info   | Dave Vieglaiss  | 2014-09-24 18:29 | Management   |
| 2029 | Infrastructure | Task    | New    | Normal   | Document VM specifications for replication MNs   | Dave Vieglaiss  | 2014-09-24 18:29 | Management   |
| 2028 | Infrastructure | Task    | New    | Normal   | Document VM specifications for CNs   | Dave Vieglaiss  | 2014-09-24 18:29 | Management   |
| 3467 | Infrastructure | Task    | New    | Normal   | MN.listObject should use auto-incremented key  | Ben Leinfelder  | 2013-01-08 18:31 | Metacat      |
| 3465 | Infrastructure | Task    | New    | Normal   | Improve Metacat listObject slicing   | Ben Leinfelder  | 2013-01-08 18:54 | Metacat      |
| 3246 | Infrastructure | Bug     | New    | Low      | Metacat returns 500 instead of 404 in some cases   | Ben Leinfelder  | 2014-10-02 18:03 | Metacat      |
| 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      |
| 3626 | Infrastructure | Task    | New    | Normal   | Metacat should use correct object format for ESRI profile metadata                                     | Ben Leinfelder  | 2013-02-27 23:56 | Metacat      |
| 3175 | Infrastructure | Task    | New    | Normal   | Include dataoneTypes.xsd in Metacat registered schemas   | Chris Jones     | 2012-10-05 14:23 | Metacat      |
| 3700 | Infrastructure | Bug     | New    | Normal   | MNodeService.replicate will not request new object if existing on MN                                   | Chris Jones     | 2015-01-06 19:43 | Metacat      |
| 3616 | Infrastructure | Task    | New    | Normal   | Enable ServiceMethodRestriction support in Metacat   | Chris Jones     | 2013-02-27 16:28 | Metacat      |
| 3488 | Infrastructure | Task    | New    | Normal   | Create custom merge policy to support managing data/information inconsistency                          | Chris Jones     | 2014-03-14 17:27 | Metacat      |
| 8379 | Infrastructure | Bug     | New    | Normal   | remove or improve AuthLdap.getGroups logging statement   | Jing Tao        | 2018-02-27 16:51 | Metacat      |
| 8224 | Infrastructure | Task    | New    | Normal   | metacat not promoting node token privs for solr  | Jing Tao        | 2017-12-04 19:33 | Metacat      |
| 8184 | Infrastructure | Feature | New    | Normal   | a feature indicates to restart tomcat when hazelcast client died                                       | Jing Tao        | 2017-09-14 19:14 | Metacat      |
| 8104 | Infrastructure | Task    | New    | Normal   | Upgrade postgresql jdbc jar file on Metacat  | Jing Tao        | 2017-06-02 20:58 | Metacat      |
| 8380 | Infrastructure | Bug     | New    | Normal   | MN.update method doesn't check if the authoritativeMN is null on the system metadata of the new object | Jing Tao        | 2018-03-02 21:53 | Metacat      |
| 7876 | Infrastructure | Feature | New    | Normal   | Create a new admin page for Metacat admins to register schemas   | Jing Tao        | 2016-12-21 09:11 | Metacat      |
| 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      |
| 7919 | Infrastructure | Bug     | New    | High     | unloadable system metadata in CNs by Hazelcast   |                 | 2016-11-01 19:30 | Metacat      |
| 1225 | Infrastructure | Task    | New    | Normal   | Configure Hudson Metacat build   |                 | 2011-01-13 14:41 | Metacat      |
| 4051 | Infrastructure | Feature | New    | Normal   | MN Stack supporting Fedora Commons   |                 | 2014-10-02 21:39 | mn.Fedora    |
| 3067 | Infrastructure | Task    | New    | Normal   | Old DAAC PIDs to archive   | Dave Vieglaiss  | 2013-01-02 14:14 | mn.Mercury   |
| 2594 | Infrastructure | Task    | New    | Normal   | Prepare a Mercury MN overview for the workshop   | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury   |
| 3596 | Infrastructure | Task    | New    | Normal   | Fix Merritt Repository resource map typing of triple objects   | John Kunze      | 2013-02-19 02:27 | mn.Merritt   |
| 6478 | Infrastructure | Task    | New    | Normal   | move mncheck VM to a different VMhost  | Dave Vieglaiss  | 2014-10-01 20:34 | MNWebChecker |

| #    | Project        | Tracker     | Status | Priority | Subject  | Assignee      | Updated          | Category     |
|------|----------------|-------------|--------|----------|--|---------------|------------------|--------------|
| 6397 | Infrastructure | Task        | New    | Normal   | test that it works from standalone .war  | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker |
| 6399 | Infrastructure | Task        | New    | Normal   | set up release practice for the MNWebTester .war   | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker |
| 6398 | Infrastructure | Task        | New    | Normal   | update MNWebTest operations docs   | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker |
| 3925 | Infrastructure | Task        | New    | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN  | Rob Nahf      | 2014-10-01 22:04 | MNWebChecker |
| 3924 | Infrastructure | Task        | New    | Normal   | Pids in ObjectList should be the same as pids in the systemMetadata Map  | Rob Nahf      | 2014-10-01 22:04 | MNWebChecker |
| 3577 | Infrastructure | Task        | New    | Normal   | Confusing message about "Ignored Tests present".   | Rob Nahf      | 2013-02-14 22:36 | MNWebChecker |
| 3082 | Infrastructure | Task        | New    | Normal   | Morpho should not rely on CN for any critical features   |               | 2013-03-02 05:26 | Morpho       |
| 3076 | Infrastructure | Task        | New    | Normal   | Allow user to specify Morpho storage directory   |               | 2013-03-02 05:29 | Morpho       |
| 391  | Requirements   | Requirement | New    | High     | (Requirement) Enable different classes of users commensurate with their roles.   | Dave Vieglais | 2010-09-06 20:51 | Requirement  |
| 6392 | Infrastructure | Decision    | New    | Normal   | CN getChecksum REST API design review  | Dave Vieglais | 2014-09-18 17:09 | Requirement  |
| 390  | Requirements   | Requirement | New    | High     | (Requirement) Consistent mechanism for identifying users   | Dave Vieglais | 2010-09-06 20:50 | Requirement  |
| 820  | Requirements   | Requirement | New    | High     | (Requirement) Common API for authentication and authorization operations   | Dave Vieglais | 2010-09-06 21:23 | Requirement  |
| 795  | Requirements   | Requirement | New    | High     | (Requirement) System must support revocation of user permissions   | Dave Vieglais | 2010-08-29 20:45 | Requirement  |
| 777  | Requirements   | Requirement | New    | High     | (Requirement) Authorization rules should support common permission levels  | Dave Vieglais | 2010-09-06 20:49 | 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 765  | Requirements   | Requirement | New    | High     | (Requirement) Tools can access an API for authn and authz  | Dave Vieglais | 2010-09-06 20:30 | Requirement  |
| 764  | Requirements   | Requirement | New    | High     | (Requirement) Authentication and access control should be consistently available   | Dave Vieglais | 2010-09-06 20:32 | Requirement  |

| #    | Project        | Tracker     | Status | Priority | Subject  | Assignee       | Updated          | Category           |
|------|----------------|-------------|--------|----------|--|----------------|------------------|--------------------|
| 763  | Requirements   | Requirement | New    | High     | (Requirement) Authentication and authorization services are geographically replicated  | Dave Vieglaiss | 2010-09-06 20:52 | Requirement        |
| 393  | Requirements   | Requirement | New    | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.   | Dave Vieglaiss | 2010-09-06 20:27 | Requirement        |
| 762  | Requirements   | Requirement | New    | High     | (Requirement) User identities can be derived from existing institutional directory services                                      | Dave Vieglaiss | 2010-09-06 03:01 | Requirement        |
| 392  | Requirements   | Requirement | New    | High     | (Requirement) Identity and access control should be interoperable across datanets  | Dave Vieglaiss | 2010-09-06 20:31 | Requirement        |
| 761  | Requirements   | Requirement | New    | High     | (Requirement) Users can specify authorization rules for data objects, science metadata objects, and process artifacts separately | Dave Vieglaiss | 2010-09-06 03:06 | Requirement        |
| 6394 | Infrastructure | Task        | New    | Normal   | Resolve SSL certificate connection errors for UNM Epscor Tier 4 MN in development  | Chris Jones    | 2014-09-18 18:39 | Support Operations |
| 3510 | Infrastructure | Task        | New    | Normal   | Issue certificates from D1TestIntCA for sandbox environment nodes, and revoke certificates signed by D1TestCA                    | Chris Jones    | 2014-09-24 18:25 | Support Operations |
| 3511 | Infrastructure | Task        | New    | Normal   | Issue certificates from D1TestIntCA for stage environment nodes, and revoke certificates signed by D1TestCA                      | Chris Jones    | 2014-09-24 18:25 | Support Operations |
| 3509 | Infrastructure | Task        | New    | Normal   | Issue certificates from D1TestIntCA for dev environment nodes, and revoke certificates signed by D1TestCA                        | Chris Jones    | 2014-09-24 18:25 | Support Operations |
| 3333 | Infrastructure | Task        | New    | Low      | Generalize mk_* scripts for host name  | Dave Vieglaiss | 2012-10-11 18:50 | Support Operations |
| 8367 | Infrastructure | Story       | New    | Normal   | Duplicate jenkins jobs from UNM to UCSB  | Dave Vieglaiss | 2019-01-22 19:25 | Support Operations |
| 8368 | Infrastructure | Story       | New    | Normal   | Update backup strategy for jenkins job configurations to subversion  | Dave Vieglaiss | 2019-01-22 19:25 | 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 Vieglaiss | 2014-03-14 18:29 | Support Operations |
| 8366 | Infrastructure | Story       | New    | Normal   | Migrate jenkins continuous integration from UNM to UCSB  | Dave Vieglaiss | 2019-01-22 19:26 | Support Operations |
| 2944 | Infrastructure | Story       | New    | Normal   | Design and implement a MN kill switch mechanism  | Dave Vieglaiss | 2018-01-17 20:30 | Support Operations |
| 3810 | Infrastructure | Task        | New    | Normal   | Identify and setup location for user oriented operational docs   | Dave Vieglaiss | 2014-09-24 18:27 | Support Operations |
| 2344 | Infrastructure | Task        | New    | Normal   | Add category for Ben's style sheets in Redmine   | Dave Vieglaiss | 2012-02-15 17:45 | Support Operations |
| 7183 | Infrastructure | Story       | New    | Normal   | Update wild card server certificate on all test.dataone.org systems  | Dave Vieglaiss | 2015-06-15 15:10 | Support Operations |
| 2018 | Infrastructure | Task        | New    | Normal   | document DataONE CA operations procedures  | Matthew Jones  | 2012-04-23 17:53 | Support Operations |
| 1671 | Infrastructure | Task        | New    | Normal   | Need folder for DUG, accessible by DUG members   | Matthew Jones  | 2011-07-12 12:09 | Support Operations |
| 7184 | Infrastructure | Task        | New    | Normal   | Create an Ansible script that can replace a server certificate   | Nick Outin     | 2015-06-15 15:10 | Support Operations |
| 3811 | Infrastructure | Task        | New    | Normal   | Document the "non-standard" certificates being used for accessing content in DataONE and it's member nodes                       | Rob Nahf       | 2014-09-24 18:27 | Support Operations |
| 2685 | Infrastructure | Task        | New    | Normal   | Where's the WIFFM on the DataONE web site for the researcher user?   |                | 2012-05-01 15:31 | Support Operations |
| 6791 | Infrastructure | Bug         | New    | Normal   | Building d1_log_aggregation doesn't trigger downstream builds  |                | 2015-01-31 00:32 | Support Operations |

| #    | Project        | Tracker      | Status | Priority | Subject  | Assignee       | Updated          | Category |
|------|----------------|--------------|--------|----------|--|----------------|------------------|----------|
| 7986 | Member Nodes   | Task         | New    | Normal   | GINA: Configure SSL Certificates for Production  | Amy Forrester  | 2018-08-31 15:22 |          |
| 8244 | Member Nodes   | Story        | New    | Normal   | Upgrade Member Node to current version of Metacat (IOE)  | Amy Forrester  | 2018-01-25 15:36 |          |
| 8622 | Member Nodes   | Bug          | New    | High     | IOE repository is not responding   | Amy Forrester  | 2019-03-05 20:54 |          |
| 7979 | Member Nodes   | Task         | New    | Normal   | GINA: Configure SSL Certificates for Testing Environment   | Amy Forrester  | 2018-08-31 15:23 |          |
| 8723 | Member Nodes   | Task         | New    | Low      | tDAR: Implemented IP Whitelisting on tDAR systems / Impacts to reporting                               | Amy Forrester  | 2018-10-02 16:51 |          |
| 8259 | Member Nodes   | MNDeployment | New    | Normal   | Neotoma Paleocology Database   | Amy Forrester  | 2018-04-09 21:14 |          |
| 7973 | Member Nodes   | MNDeployment | New    | Low      | Alaska Energy Data Gateway   | Amy Forrester  | 2018-04-17 17:21 |          |
| 8645 | Member Nodes   | Task         | New    | Normal   | (Cyverse) Mutual acceptance  | Amy Forrester  | 2018-07-05 14:26 |          |
| 5899 | Member Nodes   | Task         | New    | Normal   | GBIF: Create news item   | Amy Forrester  | 2019-01-24 17:10 |          |
| 3115 | Infrastructure | Task         | New    | Normal   | Get R client into working state.   | Andrew Pippin  | 2012-08-02 17:32 |          |
| 3466 | Infrastructure | Task         | New    | Normal   | Add synthetic key to systemMetadata table  | Ben Leinfelder | 2013-01-08 18:30 |          |
| 3374 | Member Nodes   | Task         | New    | Normal   | Move kepler-library.org Metacat to new server  | Ben Leinfelder | 2012-11-08 00:31 |          |
| 3219 | Member Nodes   | MNDeployment | New    | Normal   | iEcolab member node  | Ben Leinfelder | 2015-11-19 18:01 |          |
| 3211 | Member Nodes   | MNDeployment | New    | Normal   | Taiwan Ecological Research Network member node   | Ben Leinfelder | 2014-02-20 21:58 |          |
| 3210 | Member Nodes   | Task         | New    | Normal   | Collect application metadata for the AKN member node   | Ben Leinfelder | 2013-01-08 19:23 |          |
| 2343 | Infrastructure | Task         | New    | Normal   | Convert style sheets to separate product   | Ben Leinfelder | 2012-02-15 17:43 |          |
| 3635 | Infrastructure | Task         | New    | Normal   | Phase two Morpho implementation  | Ben Leinfelder | 2013-03-25 22:49 |          |
| 2168 | CN REST        | Task         | New    | Normal   | Design UI for identity validation  | Ben Leinfelder | 2015-01-19 22:59 |          |
| 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 |          |
| 3597 | Member Nodes   | Task         | New    | Normal   | The Avian Knowledge Network (AKN) and Cornell Lab of Ornithology eBird should be distinct Member Nodes | Ben Leinfelder | 2014-04-23 01:32 |          |
| 6379 | Member Nodes   | MNDeployment | New    | Normal   | ICMBio   | Bruce Wilson   | 2015-11-19 17:21 |          |
| 7163 | Member Nodes   | MNDeployment | New    | Low      | UN Environmental Programme World Conservation Monitoring Centre (UNEP WCMC)                            | Bruce Wilson   | 2016-04-04 17:17 |          |
| 3258 | Member Nodes   | MNDeployment | New    | Low      | CitSci.org MN  | Bruce Wilson   | 2018-04-17 17:19 |          |
| 3260 | Member Nodes   | Task         | New    | Normal   | Scope out the implementation of a CitSci.org MN  | Bruce Wilson   | 2012-09-20 20:51 |          |
| 5454 | Member Nodes   | Task         | New    | Normal   | Evaluate dataverse poential MN   | Bruce Wilson   | 2014-05-29 19:30 |          |
| 5457 | Member Nodes   | MNDeployment | New    | Normal   | NSIDC- National Snow and Ice Data Center   | Bruce Wilson   | 2018-04-10 19:12 |          |
| 8189 | Infrastructure | Decision     | New    | Normal   | Proposal to change the roles mapped to the origin Solr field for ISO docs                              | Bryce Mecum    | 2017-12-20 01:28 |          |
| 8574 | Search UI      | Story        | New    | Normal   | PANGAEA Temporary Fix: SID only in Data Citation   | Bryce Mecum    | 2018-05-01 01:45 |          |
| 8753 | Infrastructure | Task         | New    | Normal   | Add support for EML 2.2 (indexing, view)   | Bryce Mecum    | 2018-12-19 00:54 |          |
| 8755 | Infrastructure | Task         | New    | Normal   | Expand EML indexing support for EML 2.2  | Bryce Mecum    | 2019-08-15 01:50 |          |

| #    | Project                 | Tracker     | Status | Priority | Subject   | Assignee    | Updated          | Category |
|------|-------------------------|-------------|--------|----------|---|-------------|------------------|----------|
| 8754 | Infrastructure          | Task        | New    | Normal   | Add EML 2.2 to CN formats list  | Bryce Mecum | 2018-12-19 00:54 |          |
| 8858 | Infrastructure          | Task        | New    | Normal   | Update CN Apache configs in version control with directives to support sitemaps             | Bryce Mecum | 2020-02-24 19:26 |          |
| 5122 | Member Nodes            | Task        | New    | Normal   | Verify/update information in TFRI's node registration                                       | Chris Jones | 2014-04-18 16:51 |          |
| 5121 | Member Nodes            | Task        | New    | Normal   | Fix DryadDataFile instance documents with no dcterms:creator element                        | Chris Jones | 2014-04-30 19:25 |          |
| 8697 | Member Nodes            | Task        | New    | Normal   | ESSDIVE: anonymous download issue   | Chris Jones | 2018-09-13 19:40 |          |
| 3980 | Member Nodes            | Task        | New    | Normal   | Missing content   | Chris Jones | 2013-09-25 21:48 |          |
| 3658 | DataONE API             | Bug         | New    | Normal   | Deleting objects breaks obsoletes chain traversal   | Chris Jones | 2015-01-19 22:29 |          |
| 3380 | Infrastructure          | Task        | New    | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x   | Dave Viegla | 2012-12-12 16:50 |          |
| 6759 | DataONE API             | Story       | New    | Normal   | ObjectFormat Management   | Dave Viegla | 2015-01-19 23:17 |          |
| 7439 | MN Service Registration | Task        | New    | Normal   | Update the search interface to support rendering and other actions for services             | Dave Viegla | 2015-10-16 14:06 |          |
| 7170 | OGC-Slender Node        | Story       | New    | Normal   | Evaluate the feasibility of extracting provenance information from the journal.txt document | Dave Viegla | 2015-06-08 21:28 |          |
| 8749 | CN REST                 | Story       | New    | Normal   | Fix log aggregation events from the CN without associated CN IPs                            | Dave Viegla | 2019-05-01 22:25 |          |
| 580  | Requirements            | Requirement | New    | Low      | (Requirement) All software developed on the project should be open source                   | Dave Viegla | 2010-04-15 22:57 |          |
| 8236 | Infrastructure          | Task        | New    | Normal   | Acquire ORCID API key under KU membership   | Dave Viegla | 2018-01-09 02:21 |          |
| 8369 | Infrastructure          | Task        | New    | Normal   | Verify operation and transfer DNS   | Dave Viegla | 2018-02-15 17:40 |          |
| 3411 | Member Nodes            | Task        | New    | Normal   | Collate documents of relevance to MN deployment and operation                               | Dave Viegla | 2012-12-01 18:33 |          |
| 1762 | Infrastructure          | Task        | New    | Normal   | Sketch CN components and associations   | Dave Viegla | 2014-10-02 17:40 |          |
| 7166 | OGC-Slender Node        | Story       | New    | Normal   | Create ORE document for an NODC data package  | Dave Viegla | 2015-06-08 18:50 |          |
| 8213 | Member Nodes            | Story       | New    | Normal   | KUBI node is not responding as a MN   | Dave Viegla | 2017-11-06 22:18 |          |
| 8583 | DataONE API             | Feature     | New    | Normal   | Provide some mechanism for diagnosing correctness of MN certificates                        | Dave Viegla | 2018-05-02 03:18 |          |
| 8823 | Infrastructure          | Story       | New    | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                   | Dave Viegla | 2019-06-19 02:43 |          |
| 4723 | Infrastructure          | Task        | New    | Normal   | MN recognition of CN  | Dave Viegla | 2014-10-02 17:21 |          |
| 4722 | Infrastructure          | Task        | New    | Normal   | Clarify permissions for CN  | Dave Viegla | 2014-10-02 17:21 |          |
| 7096 | CN REST                 | Task        | New    | Normal   | Unexpectedly closed streams / disconnects on UNM network                                    | Dave Viegla | 2015-05-12 17:49 |          |
| 4704 | Infrastructure          | Task        | New    | Normal   | Create a view of MN holdings from a CN perspective  | Dave Viegla | 2014-04-09 15:33 |          |
| 3108 | Infrastructure          | Task        | New    | Normal   | lastHarvested date is always equal to the current time.                                     | Dave Viegla | 2012-07-30 22:11 |          |
| 7095 | Python GMN              | Story       | New    | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model         | Dave Viegla | 2016-03-25 02:30 |          |

| #    | Project          | Tracker      | Status | Priority | Subject  | Assignee       | Updated          | Category |
|------|------------------|--------------|--------|----------|--|----------------|------------------|----------|
| 7850 | Infrastructure   | Task         | New    | Normal   | Passing SID to MNRead.systemMetadataChanged()  | Dave Vieglaiss | 2016-07-20 20:00 |          |
| 4068 | Member Nodes     | Task         | New    | Normal   | Coordinate discussions for biodiversity data in DataONE with TDWG participants   | Dave Vieglaiss | 2016-06-17 19:31 |          |
| 7838 | DataONE API      | Task         | New    | Normal   | Modify the obsolescence chain process to accommodate the use case where both old and new PIDs are present on the CN for v1 MNs | Dave Vieglaiss | 2016-06-29 02:20 |          |
| 3994 | Member Nodes     | Task         | New    | Normal   | Stories and bugs are showing up in the MN Dashboard; should be restricted to MNDeployment trackers                             | Dave Vieglaiss | 2013-09-26 23:34 |          |
| 7168 | OGC-Slender Node | Task         | New    | Normal   | Generate system metadata for data objects  | Dave Vieglaiss | 2015-06-08 18:59 |          |
| 3974 | Infrastructure   | Task         | New    | Normal   | Complete agenda for meeting  | Dave Vieglaiss | 2013-09-11 20:59 |          |
| 8634 | Member Nodes     | Story        | New    | Normal   | DAAC: Testing & Development  | Dave Vieglaiss | 2018-07-02 14:55 |          |
| 2593 | Infrastructure   | Task         | New    | Normal   | Prepare science data and metadata content for the workshop   | Dave Vieglaiss | 2012-04-09 22:52 |          |
| 7155 | OGC-Slender Node | Task         | New    | Normal   | Design the connector, including sources of key information   | Dave Vieglaiss | 2015-06-05 11:42 |          |
| 7767 | Infrastructure   | Task         | New    | Normal   | In DataONE search results, move map display to map extent  | Dave Vieglaiss | 2016-05-04 18:31 |          |
| 1443 | DataONE API      | Task         | New    | Normal   | Identify operational requirements for monitoring and logging   | Dave Vieglaiss | 2015-01-19 23:06 |          |
| 3878 | Infrastructure   | Task         | New    | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation  | Dave Vieglaiss | 2014-09-24 18:27 |          |
| 7167 | OGC-Slender Node | Task         | New    | Normal   | Generate system metadata for science metadata  | Dave Vieglaiss | 2015-06-08 18:58 |          |
| 1442 | DataONE API      | Task         | New    | Normal   | Identify monitoring and logging use cases and requirements   | Dave Vieglaiss | 2015-01-19 23:06 |          |
| 7859 | Infrastructure   | Story        | New    | Normal   | Add formatID for the STL 3d model file format  | Dave Vieglaiss | 2018-01-17 19:04 |          |
| 8747 | Infrastructure   | Task         | New    | Normal   | Adjust package configuration to persist changes between updates  | Dave Vieglaiss | 2018-11-16 17:32 |          |
| 7103 | Member Nodes     | Task         | New    | Normal   | Create a new test certificate for mnStagePISCO   | Dave Vieglaiss | 2015-05-14 18:29 |          |
| 7169 | OGC-Slender Node | Task         | New    | Normal   | Enable tracking of obsoletes / obsoleted by for data objects   | Dave Vieglaiss | 2015-06-08 19:01 |          |
| 7601 | Infrastructure   | Bug          | New    | High     | CN checksum inconsistencies  | Dave Vieglaiss | 2016-01-26 19:29 |          |
| 3519 | Member Nodes     | MNDeployment | New    | Low      | Prairie Research Institute   | Dave Vieglaiss | 2015-11-19 17:00 |          |
| 2131 | Infrastructure   | Task         | New    | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeld   | Dave Vieglaiss | 2014-10-02 17:21 |          |
| 3520 | Member Nodes     | MNDeployment | New    | Low      | ARCTOS Collaborative Collection Management Solution  | Dave Vieglaiss | 2018-04-17 17:18 |          |
| 8235 | Infrastructure   | Task         | New    | Normal   | Arrange with KU library to make use of ORCID membership to support DataONE authentication                                      | Dave Vieglaiss | 2018-01-09 02:01 |          |
| 3518 | Member Nodes     | Task         | New    | Normal   | Arctos: New MN discussion  | Dave Vieglaiss | 2013-01-25 18:27 |          |
| 7199 | Python GMN       | Task         | New    | Normal   | Implement support for token authentication approach  | Dave Vieglaiss | 2016-03-25 01:27 |          |
| 8232 | Member Nodes     | Task         | New    | Normal   | MN Dashboard/Website Deployment Workflow Documentation   | Dustin Allen   | 2018-01-08 23:30 |          |
| 7922 | Infrastructure   | Task         | New    | Normal   | DataONE Accessibility  | Isis Serna     | 2016-10-31 23:05 |          |

| #    | Project        | Tracker      | Status | Priority | Subject   | Assignee     | Updated          | Category |
|------|----------------|--------------|--------|----------|---|--------------|------------------|----------|
| 6048 | Member Nodes   | Task         | New    | Normal   | Fix 404 NotFound erros on the EDORA MN  | Jim Green    | 2014-11-24 14:57 |          |
| 8849 | Infrastructure | Story        | New    | Normal   | During sync, the CN does not detect error returned from getChecksum()   | Jing Tao     | 2019-11-06 22:07 |          |
| 8150 | Infrastructure | Task         | New    | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata   | Jing Tao     | 2017-07-19 21:27 |          |
| 8817 | Infrastructure | Task         | New    | Normal   | Configure sitemaps on the CN  | Jing Tao     | 2020-03-12 18:30 |          |
| 8070 | Infrastructure | Task         | New    | Normal   | Consolidate the index application-context files   | Jing Tao     | 2017-04-13 12:51 |          |
| 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 |          |
| 8587 | Member Nodes   | Task         | New    | Normal   | Add DataONE Logo to SanParks website  | Jing Tao     | 2018-05-09 21:19 |          |
| 8247 | Member Nodes   | Task         | New    | Normal   | Verify upgraded metacat is operating correctly as a production member node.   | Jing Tao     | 2018-02-02 15:49 |          |
| 8796 | Infrastructure | Story        | New    | Normal   | Various issues with service access after upgrade to 18.04   | Jing Tao     | 2019-05-21 12:38 |          |
| 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 |          |
| 8246 | Member Nodes   | Task         | New    | Normal   | Upgrade metacat to the latest version   | Jing Tao     | 2018-04-23 16:09 |          |
| 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 |          |
| 8811 | Infrastructure | Task         | New    | Normal   | Merge 2.3.9 changes to trunk  | Jing Tao     | 2019-05-21 13:06 |          |
| 8821 | Infrastructure | Bug          | New    | Normal   | Object doi:10.18739/A2610VR7Z fails to index on CN  | Jing Tao     | 2019-06-19 00:06 |          |
| 8862 | Infrastructure | Story        | New    | Normal   | Deploy a new dataone-cn-rest release  | Jing Tao     | 2020-04-23 16:24 |          |
| 8782 | Infrastructure | Story        | New    | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao     | 2019-03-22 18:12 |          |
| 8722 | Infrastructure | Bug          | New    | High     | Object in search index but systemmetadata is not available.   | Jing Tao     | 2018-10-03 17:48 |          |
| 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 |          |
| 8830 | Member Nodes   | Task         | New    | Normal   | Requirements Analysis   | John Evans   | 2019-08-06 14:44 |          |
| 8683 | Member Nodes   | Story        | New    | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN  | John Evans   | 2019-05-15 14:03 |          |
| 8829 | Member Nodes   | Task         | New    | High     | get DKAN connected to GMN   | John Evans   | 2019-09-03 13:24 |          |
| 8833 | Member Nodes   | Story        | New    | Normal   | Problems utilizing pyshacl within SlenderNodes  | John Evans   | 2019-08-09 18:20 |          |
| 8835 | Member Nodes   | Story        | New    | Normal   | Add ability for scanner to stop after a certain number of errors  | John Evans   | 2019-08-12 19:16 |          |
| 8832 | Member Nodes   | Story        | New    | Normal   | Conflict between pyshacl and owl on ubuntu  | John Evans   | 2019-08-05 19:32 |          |
| 8831 | Member Nodes   | Story        | New    | Normal   | Import error with schema_org.data   | John Evans   | 2019-08-05 18:57 |          |
| 3480 | Member Nodes   | MNDeployment | New    | Low      | Globe.gov   | Laura Moyers | 2018-04-17 17:23 |          |
| 8009 | Member Nodes   | MNDeployment | New    | Low      | Geometabolome   | Laura Moyers | 2018-04-17 17:22 |          |
| 7851 | Member Nodes   | MNDeployment | New    | Low      | CESAB - Center for Synthesis and Analysis for Biodiversity  | Laura Moyers | 2018-04-17 17:19 |          |

| #    | Project      | Tracker      | Status | Priority | Subject  | Assignee     | Updated          | Category |
|------|--------------|--------------|--------|----------|--|--------------|------------------|----------|
| 8030 | Member Nodes | MNDeployment | New    | Normal   | UCAR Research Data Archive                                   | Laura Moyers | 2018-04-16 17:39 |          |
| 7553 | Member Nodes | MNDeployment | New    | Normal   | OOI - Ocean Observatories Initiative                         | Laura Moyers | 2018-01-25 17:51 |          |
| 6359 | Member Nodes | MNDeployment | New    | Low      | SiBBR  | Laura Moyers | 2015-11-19 17:20 |          |
| 7052 | Member Nodes | MNDeployment | New    | Low      | BaMBa - Brazilian Marine Biodiversity Database               | Laura Moyers | 2015-11-19 17:03 |          |
| 6853 | Member Nodes | MNDeployment | New    | High     | OBIS (Ocean Biogeographic Information System)                | Laura Moyers | 2015-11-19 17:46 |          |
| 7992 | Member Nodes | Task         | New    | Normal   | GINA: Document and Announce                                  | Laura Moyers | 2017-01-27 22:19 |          |
| 7988 | Member Nodes | Task         | New    | Normal   | GINA: Register MN in Production                              | Laura Moyers | 2017-01-27 22:16 |          |
| 7989 | Member Nodes | Task         | New    | Normal   | GINA: Verify CN Content and Services in Production           | Laura Moyers | 2017-01-27 22:18 |          |
| 7987 | Member Nodes | Task         | New    | Normal   | GINA: Verify MN Content and Services in Production           | Laura Moyers | 2017-01-27 22:16 |          |
| 7990 | Member Nodes | Task         | New    | Normal   | GINA: Mutual acceptance                                      | Laura Moyers | 2017-01-27 22:18 |          |
| 7984 | Member Nodes | Task         | New    | Normal   | GINA: Show MN as "upcoming" on the dashboard                 | Laura Moyers | 2017-01-27 22:13 |          |
| 7985 | Member Nodes | Task         | New    | Normal   | GINA: Establish DataONE user identity in Production          | Laura Moyers | 2017-01-27 22:15 |          |
| 7991 | Member Nodes | Task         | New    | Normal   | GINA: Ensure MN appears on Current MNs webpage (dashboard)   | Laura Moyers | 2017-01-27 22:19 |          |
| 7978 | Member Nodes | Task         | New    | Normal   | GINA: Establish DataONE user identity in Testing Environment | Laura Moyers | 2017-01-27 18:44 |          |
| 7980 | Member Nodes | Task         | New    | Normal   | GINA: Verify MN Content and Services in Testing Environment  | Laura Moyers | 2017-01-27 18:46 |          |
| 7976 | Member Nodes | Task         | New    | Normal   | GINA: Register any new object formats in all environments    | Laura Moyers | 2017-01-27 18:45 |          |
| 7982 | Member Nodes | Task         | New    | Normal   | GINA: Verify CN Content and Services in Testing Environment  | Laura Moyers | 2017-01-27 18:59 |          |
| 7981 | Member Nodes | Task         | New    | Normal   | GINA: Register MN in Testing Environment                     | Laura Moyers | 2017-01-27 18:47 |          |
| 4296 | Member Nodes | MNDeployment | New    | Normal   | Sierra Nevada Global Change Observatory Member Node          | Laura Moyers | 2017-01-30 17:01 |          |
| 4227 | Member Nodes | MNDeployment | New    | Low      | TRY Plant Trait Database                                     | Laura Moyers | 2015-11-19 15:40 |          |
| 4224 | Member Nodes | MNDeployment | New    | Low      | Japan Long Term Ecological Research Network                  | Laura Moyers | 2015-11-19 00:52 |          |

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