

## CCI-2.4.0

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                                               | Assignee      | Updated          | Category                      |
|------|----------------|---------|-------------|----------|-----------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------------------------|
| 8779 | Infrastructure | Story   | New         | Normal   | ForesiteResourceMap performance issue                                                                                 | Rob Nahf      | 2019-03-25 18:48 | d1_indexer                    |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail                                                                          | Rob Nahf      | 2018-10-18 18:33 | d1_indexer                    |
| 8724 | Infrastructure | Bug     | New         | Normal   | index out of bounds error in PortalCertificateManager                                                                 | Rob Nahf      | 2018-10-02 19:11 | d1_portal                     |
| 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                    |
| 8700 | Infrastructure | Task    | Closed      | Normal   | downgrade dependencies in indexing trunk to remain consistent with solr 5.2.1                                         | Rob Nahf      | 2018-09-21 20:40 | d1_indexer                    |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object                                                                                   | Jing Tao      | 2018-04-23 20:13 | d1_indexer                    |
| 8525 | Infrastructure | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization                                                      | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization            |
| 8504 | Infrastructure | Story   | New         | Normal   | Support creation of data citation record from solr record                                                             | Monica Ihli   | 2018-07-17 23:06 | d1_indexer                    |
| 8363 | Infrastructure | Story   | New         | Normal   | indexer shutdown generates index tasks                                                                                | Rob Nahf      | 2018-09-24 15:25 | d1_indexer                    |
| 8308 | Infrastructure | Task    | New         | Normal   | Review use of /node/subject in the node documents                                                                     |               | 2018-02-06 20:05 |                               |
| 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           |
| 8234 | Infrastructure | Story   | New         | Normal   | Use University of Kansas ORCID membership to support authentication in production environment                         | Dave Vieglais | 2018-01-09 19:10 | Authentication, Authorization |
| 8229 | Infrastructure | Bug     | Closed      | Normal   | cn.create failing with "413: Request Entity Too Large" thrown from apache                                             | Rob Nahf      | 2017-12-18 23:45 | d1_cn_buildout                |
| 8227 | Infrastructure | Story   | In Progress | Normal   | ExceptionHandler regurgitates long html pages into the wrapping ServiceFailure message, which goes into CN log files. | Rob Nahf      | 2018-01-09 19:10 | d1_common_java                |
| 8184 | Infrastructure | Feature | New         | Normal   | a feature indicates to restart tomcat when hazelcast client died                                                      | Jing Tao      | 2017-09-14 19:14 | Metacat                       |
| 8173 | Infrastructure | Story   | New         | High     | add checks for retrograde systemMetadata changes                                                                      | Jing Tao      | 2018-01-17 18:38 | d1_indexer                    |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates                                                                      | Rob Nahf      | 2018-01-17 18:39 | d1_indexer                    |
| 8165 | Infrastructure | Task    | Closed      | Normal   | Re-factor origin field in isotc211 indexing component                                                                 | Bryce Mecum   | 2017-11-22 19:09 | d1_indexer                    |
| 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 |                               |
| 8150 | Infrastructure | Task    | New         | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata                                             | Jing Tao      | 2017-07-19 21:27 |                               |
| 8107 | Infrastructure | Feature | New         | Normal   | Improved Node Synchronization Feedback - Leveraging MNRead.synchronizationFailed()                                    |               | 2017-06-27 16:46 | Architecture Design           |
| 8105 | Infrastructure | Task    | New         | Normal   | Remove dataone-mercury from production CNs                                                                            | Jing Tao      | 2018-03-02 22:17 | d1_mercury                    |
| 8104 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat                                                                           | Jing Tao      | 2017-06-02 20:58 | Metacat                       |
| 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                 |
| 8102 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Portal                                                                            | Jing Tao      | 2017-06-02 20:53 | d1_portal                     |
| 8098 | Infrastructure | Task    | Closed      | High     | Token-based authentication fails with LE CN certs                                                                     | Jing Tao      | 2020-03-26 14:39 | dataone-cn-portal             |
| 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            |

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| 8093 | Infrastructure | Bug     | New         | Normal   | resource map index processing is inefficient (2sec / referenced object)                                                             | Rob Nahf        | 2017-05-10 20:00 | d1_indexer                    |
| 8091 | Infrastructure | Task    | In Progress | Normal   | Mysterious sync failure of an eml object from the GOA node                                                                          | Jing Tao        | 2017-05-09 21:33 | dataone-cn-os-core            |
| 8064 | Infrastructure | Bug     | Closed      | Normal   | ExceptionHandler class should handle the new identifier attribute in the xml representation of exceptions                           | Jing Tao        | 2017-04-13 22:14 | d1_common_java                |
| 8061 | Infrastructure | Story   | New         | Normal   | develop queue-based processing system for the CN                                                                                    | Rob Nahf        | 2018-01-17 19:00 | Architecture Design           |
| 8058 | Infrastructure | Feature | New         | Normal   | Allow "upcoming" nodes to appear in the node list                                                                                   | Robert Waltz    | 2017-04-03 18:33 | d1_cn_service                 |
| 8053 | Infrastructure | Feature | New         | Normal   | add funding award number to index                                                                                                   | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index              |
| 8052 | Infrastructure | Bug     | New         | Normal   | Geohashed value is incorrect                                                                                                        | Peter Slaughter | 2017-04-07 22:06 | d1_indexer                    |
| 8046 | Infrastructure | Bug     | New         | Normal   | Mutable Member Nodes orphan unhosted objects                                                                                        |                 | 2017-03-15 17:40 | Architecture Design           |
| 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                    |
| 8040 | Infrastructure | Task    | Closed      | Normal   | Remove the input form for the orcid secret from dataone-cn-os-core                                                                  | Jing Tao        | 2017-03-14 18:34 | dataone-cn-os-core            |
| 8038 | Infrastructure | Story   | In Progress | Normal   | connect logging output to a log analysis tool                                                                                       | Dave Viegla     | 2018-01-17 18:52 | 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            |
| 8034 | Infrastructure | Task    | Closed      | Normal   | Verify support for lets encrypt certificates by DataONE java and python clients                                                     | Roger Dahl      | 2018-01-17 19:16 | d1_libclient_java             |
| 8028 | Infrastructure | Story   | Rejected    | Normal   | Migrate UNM CN servers to DMZ network                                                                                               | Dave Viegla     | 2019-01-22 20:25 | d1_cn_buildout                |
| 8025 | Infrastructure | Story   | Rejected    | Normal   | Review authorization requirements for all DataONE API methods                                                                       |                 | 2018-01-17 18:57 | Authentication, Authorization |
| 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 |                               |
| 7971 | Infrastructure | Story   | Rejected    | Normal   | Change the behavior of the cn/mn.archive method                                                                                     | Jing Tao        | 2017-03-14 18:33 | Metacat                       |
| 7967 | Infrastructure | Bug     | In Progress | Normal   | The CN is not following the xml schema definition when creating dataone exceptions                                                  | Dave Viegla     | 2018-05-23 18:13 | Architecture Design           |
| 7964 | Infrastructure | Bug     | Closed      | Normal   | CN V1/V2.archive implementation only allows CN and MN administrators to act                                                         | Jing Tao        | 2017-03-14 18:34 | Metacat                       |
| 7954 | Infrastructure | Bug     | New         | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN                                              | Roger Dahl      | 2017-04-19 18:55 | d1_synchronization            |
| 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 |                               |
| 7940 | Infrastructure | Story   | New         | Normal   | Retrieval of system metadata is too slow                                                                                            | Robert Waltz    | 2018-01-09 19:10 | d1_cn_service                 |
| 7939 | Infrastructure | Story   | Rejected    | High     | Indexing is too slow, especially with large packages                                                                                |                 | 2018-01-17 18:58 | 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                    |
| 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                    |

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| 7933 | Infrastructure | Bug     | New         | Normal   | d1-index-task-processor stops processing task queue                                                   | Jing Tao      | 2017-01-11 23:47 | d1_indexer          |
| 7919 | Infrastructure | Bug     | New         | High     | unloadable system metadata in CNs by Hazelcast                                                        |               | 2016-11-01 19:30 | Metacat             |
| 7889 | Infrastructure | Story   | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.                              | Rob Nahf      | 2018-01-17 19:01 | d1_synchronization  |
| 7884 | Infrastructure | Task    | New         | Normal   | CN portal log is misconfigured                                                                        | Rob Nahf      | 2016-09-09 20:18 | d1_portal_servlet   |
| 7883 | Infrastructure | Task    | New         | Normal   | Document the log files of relevance on Coordinating Nodes                                             |               | 2016-09-09 20:20 |                     |
| 7882 | Infrastructure | Story   | In Progress | Normal   | Tune CN logfile management                                                                            | Dave Vieglais | 2018-01-17 19:03 |                     |
| 7876 | Infrastructure | Feature | New         | Normal   | Create a new admin page for Metacat admins to register schemas                                        | Jing Tao      | 2016-12-21 09:11 | Metacat             |
| 7858 | Infrastructure | Bug     | New         | Normal   | Obsoleting a resource map clears the resourceMap field for the obsoleted package                      |               | 2017-03-28 16:20 | d1_indexer          |
| 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   |
| 7801 | Infrastructure | Story   | Closed      | Normal   | Support for Let's Encrypt certificates                                                                | Rob Nahf      | 2018-01-17 19:17 | d1_libclient_java   |
| 7754 | Search UI      | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats                                                 | Bryce Mecum   | 2018-05-17 14:18 | MetacatUI           |
| 7744 | Infrastructure | Task    | New         | Normal   | put together initial design                                                                           |               | 2016-06-22 17:19 |                     |
| 7716 | Infrastructure | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?                                                      | Dave Vieglais | 2018-01-17 19:22 | d1_synchronization  |
| 7703 | Python GMN     | Task    | New         | Normal   | GMN populating ipAddress in LogEntry with abnormal strings                                            | Roger Dahl    | 2016-06-22 17:19 |                     |
| 7702 | Log Reporting  | Task    | New         | Normal   | abnormal strings in ipAddress field of solr                                                           | Robert Waltz  | 2016-06-22 17:18 | d1_log_aggregation  |
| 7699 | Infrastructure | Bug     | New         | Normal   | alter scripts that backup postgresql db                                                               |               | 2017-05-09 17:33 | dataone-cn-os-core  |
| 7668 | Infrastructure | Story   | New         | Normal   | Determine how indexing of data packages should work                                                   | Jing Tao      | 2018-01-17 19:28 | d1_indexer          |
| 7665 | CN REST        | Bug     | Rejected    | Normal   | NullPointerException if NodeReplicationPolicy does contain maxObjectSize                              | Rob Nahf      | 2017-03-03 23:43 | d1_cn_noderegistry  |
| 7570 | Infrastructure | Bug     | In Progress | Normal   | Search UI requests cause Out of Memory Error                                                          | Jing Tao      | 2017-04-26 21:01 | d1_indexer          |
| 7224 | Infrastructure | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option                        |               | 2018-01-17 19:38 | Architecture Design |
| 6843 | Infrastructure | Task    | In Progress | Normal   | Update the prov instance of the RdfXmlSubprocessor to index renamed and inverse provenance properties | Chris Jones   | 2017-03-28 16:16 | d1_indexer          |
| 6539 | Infrastructure | Bug     | Closed      | Normal   | completely unable to access cn.dataone.org from Safari 7.1 if user has any certificates installed     | Robert Waltz  | 2016-12-02 00:20 | d1_cn_buildout      |
| 6499 | Infrastructure | Feature | New         | Normal   | define and implement addFormat() method                                                               | Rob Nahf      | 2016-06-22 16:51 | Architecture Design |
| 6378 | Infrastructure | Task    | Testing     | Normal   | code up the new strategy                                                                              | Rob Nahf      | 2016-06-22 16:53 | d1_replication      |
| 6377 | Infrastructure | Story   | In Progress | Normal   | Review CNode initialization in ReplicationManager - it doesn't use local CN reference                 | Rob Nahf      | 2018-01-17 19:52 | d1_replication      |
| 6376 | Infrastructure | Task    | New         | Normal   | test the new strategy against working ReplicationManager test                                         | Rob Nahf      | 2016-06-22 16:53 | d1_replication      |
| 6375 | Infrastructure | Task    | In Progress | Normal   | Refactor out dependency on a working CN                                                               | Rob Nahf      | 2016-06-22 16:53 | d1_replication      |
| 6374 | Infrastructure | Task    | Closed      | Normal   | Configure ReplicationManagerTestUnit with AttemptHistoryRepository                                    | Rob Nahf      | 2016-06-22 16:53 |                     |
| 6373 | Infrastructure | Task    | Closed      | Normal   | utilize the new ApacheDS LDAP testing infrastructure                                                  | Rob Nahf      | 2016-06-22 16:53 | d1_replication      |

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| 6372 | Infrastructure | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests                                                   | Rob Nahf    | 2016-06-22 16:53 | d1_replication     |
| 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      |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing                                | Rob Nahf    | 2018-01-17 20:03 | d1_replication     |
| 4278 | Infrastructure | Story   | New         | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements                   | Jing Tao    | 2018-01-17 20:04 | d1_indexer         |
| 4189 | Infrastructure | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation                                            | Dave Viegla | 2017-01-14 00:24 | d1_schemas         |
| 4188 | Infrastructure | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification                         | Dave Viegla | 2018-01-17 20:05 | d1_schemas         |
| 3726 | Infrastructure | Task    | Rejected    | Normal   | Design strategy for dealing with data packages containing 100k objects in the search index.    | Dave Viegla | 2019-04-30 22:30 | dataone-cn-index   |
| 3676 | Infrastructure | Task    | Closed      | High     | design proposal for archive                                                                    | Rob Nahf    | 2018-09-21 21:00 | d1_indexer         |
| 3675 | Infrastructure | Bug     | New         | High     | package relationships not available for archived objects                                       | Rob Nahf    | 2018-09-21 21:01 | d1_indexer         |
| 3608 | Infrastructure | Feature | Rejected    | Low      | Enable OpenSearch interface on CNs                                                             | Dave Viegla | 2019-04-30 22:30 | d1_indexer         |
| 2488 | Infrastructure | Story   | New         | Normal   | Changing the authoritativeMembernode will require all replica's systemMetadata be updated      | Dave Viegla | 2018-01-17 20:39 | d1_synchronization |
| 1651 | Infrastructure | Task    | New         | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                         |             | 2016-06-22 16:51 |                    |
| 1650 | Infrastructure | Task    | New         | Normal   | Update d1_cn_service ProxyCNCService and CNCController to include addFormat()                  |             | 2016-06-22 16:51 |                    |
| 1649 | Infrastructure | Task    | New         | Normal   | Update Metacat's CNCImpl to include addFormat()                                                |             | 2016-06-22 16:51 |                    |
| 1648 | Java Client    | Task    | New         | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                              |             | 2016-06-22 16:51 | d1_libclient_java  |
| 1647 | Java Client    | Task    | New         | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                           |             | 2016-06-22 16:51 | d1_common_java     |
| 1646 | Infrastructure | Task    | New         | Normal   | Add addFormat() to the CNC API                                                                 |             | 2016-06-22 16:51 |                    |