## CCI-2.4.0

| # | Project | Tracker | Status | Priority | Subject | Assignee | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 7224 | Infrastructure | Story | New | Normal | push synchronization request status indicator: synchronizeStatus method option | | 2018-01-17 19:38 | 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 |
| 6499 | Infrastructure | Feature | New | Normal | define and implement addFormat() method | Rob Nahf | 2016-06-22 16:51 | 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 Vieglais | 2018-01-09 19:10 | Authentication, Authorization |
| 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 |
| 7940 | Infrastructure | Story | New | Normal | Retrieval of system metadata is too slow | Robert Waltz | 2018-01-09 19:10 | 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 |
| 4674 | Infrastructure | Bug | New | Urgent | Ask Judith, Mike and Virgina Perez.2.1 to obsolete those pids which contain the white spaces. | Jing Tao | 2017-05-04 18:01 | 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 |
| 1647 | Java Client | Task | New | Normal | Update d1_common_java ObjectFormatServiceImpl to include addFormat() | | 2016-06-22 16:51 | d1_common_java |
| 8173 | Infrastructure | Story | New | High | add checks for retrograde systemMetadata changes | Jing Tao | 2018-01-17 18:38 | d1_indexer |
| 8779 | Infrastructure | Story | New | Normal | ForesiteResourceMap performance issue | Rob Nahf | 2019-03-25 18:48 | d1_indexer |
| 8702 | Infrastructure | Story | New | Normal | Indexing Refactor Strategy | Rob Nahf | 2018-09-24 18:05 | d1_indexer |
| 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 |
| 4278 | Infrastructure | Story | New | Normal | EML indexing - handle multiple temporalCoverage and spatialCoverage elements | Jing Tao | 2018-01-17 20:04 | d1_indexer |
| 7668 | Infrastructure | Story | New | Normal | Determine how indexing of data packages should work | Jing Tao | 2018-01-17 19:28 | d1_indexer |
| 8703 | Infrastructure | Task | New | Normal | test the cleaned up indexer in DEV | Rob Nahf | 2018-09-24 18:05 | 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 |
| 8093 | Infrastructure | Bug | New | Normal | resource map index processing is inefficient (2sec / referenced object) | Rob Nahf | 2017-05-10 20:00 | d1_indexer |
| 3675 | Infrastructure | Bug | New | High | package relationships not available for archived objects | Rob Nahf | 2018-09-21 21:01 | 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 |
| 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 |
| 7858 | Infrastructure | Bug | New | Normal | Obsoleting a resource map clears the resourceMap field for the obsoleted package | | 2017-03-28 16:20 | d1_indexer |

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| 8052 | Infrastructure | Bug | New | Normal | Geohashed value is incorrect | Peter Slaughter | 2017-04-07 22:06 | 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 |
| 1648 | Java Client | Task | New | Normal | Update d1_libclient_java ObjectFormatCache to include addFormat() | | 2016-06-22 16:51 | d1_libclient_java |
| 7702 | Log Reporting | Task | New | Normal | abnormal strings in ipAddress field of solr | Robert Waltz | 2016-06-22 17:18 | d1_log_aggregation |
| 8105 | Infrastructure | Task | New | Normal | Remove  dataone-mercury from production CNs | Jing Tao | 2018-03-02 22:17 | d1_mercury |
| 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 |
| 7884 | Infrastructure | Task | New | Normal | CN portal log is misconfigured | Rob Nahf | 2016-09-09 20:18 | d1_portal_servlet |
| 6376 | Infrastructure | Task | New | Normal | test the new strategy against working ReplicationManager test | Rob Nahf | 2016-06-22 16:53 | d1_replication |
| 2488 | Infrastructure | Story | New | Normal | Changing the authoritativeMembernode will require all replica's systemMetadata be updated | Dave Vieglais | 2018-01-17 20:39 | d1_synchronization |
| 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 |
| 7889 | Infrastructure | Story | New | Normal | Synchronization not happening when authoritativeMN is not set correctly. | Rob Nahf | 2018-01-17 19:01 | 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 |
| 7954 | Infrastructure | Bug | New | Normal | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN | Roger Dahl | 2017-04-19 18:55 | d1_synchronization |
| 8053 | Infrastructure | Feature | New | Normal | add funding award number to index | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index |
| 7699 | Infrastructure | Bug | New | Normal | alter scripts that backup postgresql db | | 2017-05-09 17:33 | dataone-cn-os-core |
| 8104 | Infrastructure | Task | New | Normal | Upgrade postgresql jdbc jar file on Metacat | Jing Tao | 2017-06-02 20:58 | Metacat |
| 7919 | Infrastructure | Bug | New | High | unloadable system metadata in CNs by Hazelcast | | 2016-11-01 19:30 | 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 |
| 8184 | Infrastructure | Feature | New | Normal | a feature indicates to restart tomcat when hazelcast client died | Jing Tao | 2017-09-14 19:14 | Metacat |
| 1650 | Infrastructure | Task | New | Normal | Update d1_cn_service ProxyCNCoreService and CNCoreController to include addFormat() | | 2016-06-22 16:51 | |
| 8308 | Infrastructure | Task | New | Normal | Review use of /node/subject in the node documents | | 2018-02-06 20:05 | |
| 1646 | Infrastructure | Task | New | Normal | Add addFormat() to the CNCore API | | 2016-06-22 16:51 | |
| 1649 | Infrastructure | Task | New | Normal | Update Metacat's CNCoreImpl to include addFormat() | | 2016-06-22 16:51 | |
| 1651 | Infrastructure | Task | New | Normal | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid | | 2016-06-22 16:51 | |
| 7703 | Python GMN | Task | New | Normal | GMN populating ipAddress in LogEntry with abnormal strings | Roger Dahl | 2016-06-22 17:19 | |
| 7744 | Infrastructure | Task | New | Normal | put together initial design | | 2016-06-22 17:19 | |
| 7883 | Infrastructure | Task | New | Normal | Document the log files of relevance on Coordinating Nodes | | 2016-09-09 20:20 | |

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| 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 | |
| 8150 | Infrastructure | Task | New | Normal | Enable CN certificate to alter authoritativeMN property in SystemMetadata | Jing Tao | 2017-07-19 21:27 | |
| 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 | |
| 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 | |
| 7967 | Infrastructure | Bug | In Progress | Normal | The CN is not following the xml schema definition when creating dataone exceptions | Dave Vieglais | 2018-05-23 18:13 | Architecture Design |
| 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 |
| 8172 | Infrastructure | Story | In Progress | Normal | investigate atomic updates for some solr updates | Rob Nahf | 2018-01-17 18:39 | d1_indexer |
| 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 |
| 7570 | Infrastructure | Bug | In Progress | Normal | Search UI requests cause Out of Memory Error | Jing Tao | 2017-04-26 21:01 | 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 |
| 8571 | Infrastructure | Bug | In Progress | Normal | IndexTool can't index a data object | Jing Tao | 2018-04-23 20:13 | d1_indexer |
| 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 |
| 4463 | Infrastructure | Story | In Progress | Normal | Incorporate Node Replication Policy into replication processing | Rob Nahf | 2018-01-17 20:03 | d1_replication |
| 6375 | Infrastructure | Task | In Progress | Normal | Refactor out dependency on a working CN | Rob Nahf | 2016-06-22 16:53 | d1_replication |
| 6372 | Infrastructure | Task | In Progress | Normal | rehabilitate ReplicationManager "unit" tests | Rob Nahf | 2016-06-22 16:53 | d1_replication |
| 4188 | Infrastructure | Story | In Progress | Normal | dataone Exception definition and implementation requires clarification | Dave Vieglais | 2018-01-17 20:05 | d1_schemas |
| 4189 | Infrastructure | Task | In Progress | Normal | Update dataoneErrors.xsd to match the documentation | Dave Vieglais | 2017-01-14 00:24 | d1_schemas |
| 8525 | Infrastructure | Story | In Progress | High | timeout exceptions thrown from Hazelcast disable synchronization | Rob Nahf | 2018-11-16 17:32 | d1_synchronization |
| 8038 | Infrastructure | Story | In Progress | Normal | connect logging output to a log analysis tool | Dave Vieglais | 2018-01-17 18:52 | d1_synchronization |
| 7716 | Infrastructure | Story | In Progress | Normal | How to facilitate resubmission of sync Failures? | Dave Vieglais | 2018-01-17 19:22 | d1_synchronization |
| 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 |
| 7754 | Search UI | Story | In Progress | Normal | Support for XSL transform of various metadata formats | Bryce Mecum | 2018-05-17 14:18 | MetacatUI |
| 7882 | Infrastructure | Story | In Progress | Normal | Tune CN logfile management | Dave Vieglais | 2018-01-17 19:03 | |
| 6378 | Infrastructure | Task | Testing | Normal | code up the new strategy | Rob Nahf | 2016-06-22 16:53 | d1_replication |
| 8229 | Infrastructure | Bug | Closed | Normal | cn.creates failing with "413: Request Entity Too Large" thrown from apache | Rob Nahf | 2017-12-18 23:45 | d1_cn_buildout |
| 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 |
| 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 |

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| 3676 | Infrastructure | Task | Closed | High | design proposal for archive | Rob Nahf | 2018-09-21 21:00 | d1_indexer |
| 8700 | Infrastructure | Task | Closed | Normal | downgrade depedencies in indexing trunk to remain consistent with solr 5.2.1 | Rob Nahf | 2018-09-21 20:40 | d1_indexer |
| 8165 | Infrastructure | Task | Closed | Normal | Re-factor origin field in isotc211 indexing component | Bryce Mecum | 2017-11-22 19:09 | d1_indexer |
| 7801 | Infrastructure | Story | Closed | Normal | Support for Let's Encrypt certificates | Rob Nahf | 2018-01-17 19:17 | d1_libclient_java |
| 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 |
| 6373 | Infrastructure | Task | Closed | Normal | utilize the new ApacheDS LDAP testing infrastructure | Rob Nahf | 2016-06-22 16:53 | d1_replication |
| 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 |
| 8098 | Infrastructure | Task | Closed | High | Token-based authentication fails with LE CN certs | Jing Tao | 2020-03-26 14:39 | dataone-cn-portal |
| 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 |
| 6374 | Infrastructure | Task | Closed | Normal | Configure ReplicationManagerTestUnit with AttemptHistoryRepository | Rob Nahf | 2016-06-22 16:53 | |
| 8025 | Infrastructure | Story | Rejected | Normal | Review authorization requirements for all DataONE API methods | | 2018-01-17 18:57 | Authentication, Authorization |
| 8028 | Infrastructure | Story | Rejected | Normal | Migrate UNM CN servers to DMZ network | Dave Vieglais | 2019-01-22 20:25 | d1_cn_buildout |
| 7665 | CN REST | Bug | Rejected | Normal | NullPointer exception if NodeReplicationPolicy does contain maxObjectSize | Rob Nahf | 2017-03-03 23:43 | d1_cn_noderegistry |
| 7939 | Infrastructure | Story | Rejected | High | Indexing is too slow, especially with large packages | | 2018-01-17 18:58 | d1_indexer |
| 3608 | Infrastructure | Feature | Rejected | Low | Enable OpenSearch interface on CNs | Dave Vieglais | 2019-04-30 22:30 | d1_indexer |
| 3726 | Infrastructure | Task | Rejected | Normal | Design strategy for dealing with data packages containing 100k objects in the search index. | Dave Vieglais | 2019-04-30 22:30 | dataone-cn-index |
| 7971 | Infrastructure | Story | Rejected | Normal | Change the behavior of the cn/mn.archive method | Jing Tao | 2017-03-14 18:33 | Metacat |