

## Issues

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee | Updated          | Category           |
|------|----------------|--------------|-------------|----------|---|----------|------------------|--------------------|
| 1585 | Infrastructure | Task         | New         | Low      | add exec-maven-plugin to trigger python integration tests at verify phase.                        | Rob Nahf | 2012-10-16 21:32 |                    |
| 7537 | Infrastructure | Task         | New         | Normal   | add nodelist refreshes to NodeLocator classes   | Rob Nahf | 2015-12-10 16:59 | d1_libclient_java  |
| 3721 | Java Client    | Task         | In Progress | Normal   | add resource map validation routine to libclient_java   | Rob Nahf | 2015-02-11 20:42 | d1_libclient_java  |
| 6854 | Infrastructure | Feature      | In Progress | Normal   | add testAssumptionFailure to run listener   | Rob Nahf | 2016-01-26 22:30 | d1_integration     |
| 4059 | Infrastructure | Task         | New         | Normal   | Add test to verify node is reporting correct nodeId in log records                                | Rob Nahf | 2013-10-07 19:10 |                    |
| 4650 | Infrastructure | Story        | New         | Normal   | Allow MN to bias resolve to the authoritative MN  | Rob Nahf | 2018-01-17 20:00 | d1_cn_common       |
| 6850 | Java Client    | Story        | New         | Normal   | automate Java Client releases   | Rob Nahf | 2018-01-17 19:42 | d1_libclient_java  |
| 8045 | Infrastructure | Bug          | New         | Normal   | certificateLocation not seeming to be utilized  | Rob Nahf | 2017-03-14 20:45 | d1_libclient_java  |
| 8044 | Infrastructure | Story        | New         | Normal   | certificate manager should check expiration of CAs it loads into the trust manager.               | Rob Nahf | 2018-01-09 19:10 | d1_libclient_java  |
| 8573 | Infrastructure | Bug          | In Progress | Normal   | changing accessPolicies and rightHolders down the line of series can cause improper sync failures | Rob Nahf | 2018-05-03 21:52 | d1_synchronization |
| 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  |
| 7884 | Infrastructure | Task         | New         | Normal   | CN portal log is misconfigured  | Rob Nahf | 2016-09-09 20:18 | d1_portal_servlet  |
| 7958 | Infrastructure | Task         | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN                             | Rob Nahf | 2017-01-04 17:23 | d1_synchronization |
| 6378 | Infrastructure | Task         | Testing     | Normal   | code up the new strategy  | Rob Nahf | 2016-06-22 16:53 | d1_replication     |
| 8791 | Infrastructure | Story        | New         | Normal   | Complete deprecation of ONEMercury interface  | Rob Nahf | 2019-05-01 14:00 | d1_mercury         |
| 6565 | Infrastructure | Task         | New         | Normal   | Configure Jenkins jobs for ezid (ezid-client)   | Rob Nahf | 2014-12-15 18:36 |                    |
| 7890 | Infrastructure | Task         | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories                                | Rob Nahf | 2017-04-19 19:12 |                    |
| 6569 | Infrastructure | Task         | New         | Normal   | configure jobs for tag 1.0.1, 1.0.0 and 0.9.0   | Rob Nahf | 2014-11-14 17:56 |                    |
| 3577 | Infrastructure | Task         | New         | Normal   | Confusing message about "Ignored Tests present".  | Rob Nahf | 2013-02-14 22:36 | MNWebChecker       |
| 2956 | Infrastructure | Task         | In Progress | Normal   | content-checking tests for MNs entering an environment  | Rob Nahf | 2014-10-01 22:04 | d1_integration     |
| 3591 | Infrastructure | Story        | In Progress | Normal   | Content consistency checks for new member nodes   | Rob Nahf | 2018-01-17 20:23 | MNWebChecker       |
| 1552 | Java Client    | Task         | New         | Normal   | Copy TestSimpleMultipartEntity from d1_common_java to d1_integration                              | Rob Nahf | 2015-02-11 19:49 |                    |
| 2545 | Infrastructure | Task         | New         | Normal   | create d1_integration tests using for MN.generateIdentifier                                       | Rob Nahf | 2014-10-02 17:54 | d1_integration     |
| 1554 | Java Client    | Task         | New         | Normal   | Create MockHttpClient for testing in d1_common_java   | Rob Nahf | 2015-02-11 19:49 | d1_common_java     |
| 8225 | Member Nodes   | Story        | In Progress | Normal   | Customize Indexing & View for gmd-pangaea   | Rob Nahf | 2018-05-17 14:30 |                    |
| 3234 | Member Nodes   | MNDeployment | Testing     | Normal   | CyVerse (iPlant) member node  | Rob Nahf | 2019-03-05 18:36 |                    |
| 8564 | Member Nodes   | Story        | New         | Normal   | (CyVerse) Testing & Development   | Rob Nahf | 2018-07-02 19:56 |                    |
| 3666 | Java Client    | Story        | In Progress | Low      | D1Client.listUpdateHistory() needs to handle changing access policies                             | Rob Nahf | 2018-01-17 20:19 | d1_libclient_java  |

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| 7523 | Infrastructure | Bug     | In Progress | Normal   | D1Client no longer updates stale NodeList   | Rob Nahf | 2016-04-19 22:27 | d1_libclient_java   |
| 7713 | Infrastructure | Story   | New         | Normal   | d1DebConfig.xml should be versioned in dataone-cn-os-core   | Rob Nahf | 2018-01-17 19:24 | d1_cn_buildout      |
| 8686 | Infrastructure | Bug     | New         | Normal   | d1-index-task-processor failed with NPE   | Rob Nahf | 2018-08-24 01:35 | d1_indexer          |
| 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  |
| 7650 | Infrastructure | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy   | Rob Nahf | 2018-01-17 19:31 | d1_cn_common        |
| 6499 | Infrastructure | Feature | New         | Normal   | define and implement addFormat() method   | Rob Nahf | 2016-06-22 16:51 | Architecture Design |
| 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  |
| 8084 | Infrastructure | Story   | New         | Normal   | determine the backup strategy for rabbitMQ  | Rob Nahf | 2018-01-17 18:46 | d1_indexer          |
| 8081 | Infrastructure | Story   | In Progress | Normal   | develop federated broker configuration for indexing   | Rob Nahf | 2018-01-17 18:46 | d1_indexer          |
| 8061 | Infrastructure | Story   | New         | Normal   | develop queue-based processing system for the CN  | Rob Nahf | 2018-01-17 19:00 | Architecture Design |
| 8106 | Infrastructure | Bug     | Testing     | Normal   | Difficulty Distinguishing Between Different Kinds of Failed Sync "Not Found" Error Messages                           | Rob Nahf | 2018-02-20 16:57 | d1_synchronization  |
| 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  |
| 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          |
| 6396 | Infrastructure | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally  | Rob Nahf | 2014-10-01 20:34 | MNWebChecker        |
| 5313 | Java Client    | Task    | New         | Normal   | enable remote deployment of product packages from Hudson / Jenkins  | Rob Nahf | 2015-02-11 20:34 |                     |
| 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      |
| 8228 | Infrastructure | Bug     | New         | Normal   | Excessive replicas requested by integration test  | Rob Nahf | 2018-03-02 21:52 | d1_integration      |
| 8779 | Infrastructure | Story   | New         | Normal   | ForesiteResourceMap performance issue   | Rob Nahf | 2019-03-25 18:48 | d1_indexer          |
| 5835 | Member Nodes   | Task    | Ready       | Normal   | GBIF: Local Testing   | Rob Nahf | 2019-01-24 16:53 |                     |
| 5836 | Member Nodes   | Task    | Testing     | Normal   | GBIF: Verify that MN passes the Web Tester  | Rob Nahf | 2018-09-26 19:57 |                     |
| 8734 | Infrastructure | Story   | New         | Normal   | Hazelcast shutdown tied to out of memory exception!   | Rob Nahf | 2018-10-18 16:55 | Metacat             |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue   | Rob Nahf | 2018-10-30 04:10 | 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          |
| 7849 | CN REST        | Task    | New         | Normal   | Improve exception messages when cascading SSL derived exceptions  | Rob Nahf | 2016-07-19 17:23 |                     |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing   | Rob Nahf | 2018-01-17 20:03 | d1_replication      |
| 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          |
| 8363 | Infrastructure | Story   | New         | Normal   | indexer shutdown generates index tasks  | Rob Nahf | 2018-09-24 15:25 | d1_indexer          |

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| 8702 | Infrastructure | Story   | New         | Normal   | Indexing Refactor Strategy   | Rob Nahf | 2018-09-24 18:05 | d1_indexer         |
| 8731 | Infrastructure | Bug     | New         | Normal   | Indexing solr client method is building query with too many ORs, causing errors      | Rob Nahf | 2018-10-04 22:25 | d1_indexer         |
| 8724 | Infrastructure | Bug     | New         | Normal   | index out of bounds error in PortalCertificateManager                                | Rob Nahf | 2018-10-02 19:11 | d1_portal          |
| 8361 | Infrastructure | Bug     | New         | Normal   | index processor throws unhandled NPE if task systemMetadata is null                  | Rob Nahf | 2018-03-22 16:54 | d1_indexer         |
| 8541 | Infrastructure | Bug     | New         | Normal   | index shutdown threw exception   | Rob Nahf | 2018-04-12 16:44 | d1_indexer         |
| 8540 | Infrastructure | Story   | New         | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor                            | Rob Nahf | 2018-04-12 04:32 | d1_indexer         |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates                                     | Rob Nahf | 2018-01-17 18:39 | d1_indexer         |
| 8080 | Infrastructure | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic   | Rob Nahf | 2017-05-09 22:55 | d1_indexer         |
| 7432 | Java Client    | Bug     | In Progress | Normal   | Java Client does not support idFilter for v2 release                                 | Rob Nahf | 2019-06-14 18:47 | d1_libclient_java  |
| 6765 | Java Client    | Bug     | New         | Normal   | jibx-maven-plugin incompatible with Java 8   | Rob Nahf | 2015-01-19 23:17 |                    |
| 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 |
| 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  |
| 6395 | Infrastructure | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                   | Rob Nahf | 2018-01-17 19:51 | MNWebChecker       |
| 7832 | Infrastructure | Story   | In Progress | Normal   | migrate from JibX to JAXB for XML binding / codegen                                  | Rob Nahf | 2018-01-17 19:06 | d1_common_java     |
| 3907 | Infrastructure | Task    | New         | Normal   | MN Integration Test - verify system metadata returned matches expected               | Rob Nahf | 2013-08-09 18:48 | d1_integration     |
| 1555 | Java Client    | Task    | New         | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient                         | Rob Nahf | 2015-02-11 19:49 | d1_common_java     |
| 3925 | Infrastructure | Task    | New         | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN          | Rob Nahf | 2014-10-01 22:04 | MNWebChecker       |
| 7810 | Infrastructure | Story   | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation         | Rob Nahf | 2018-01-17 19:09 |                    |
| 7746 | CN REST        | Bug     | In Progress | Normal   | Node registration update fails when <contactSubject> spans multiple lines            | Rob Nahf | 2016-04-26 17:30 | d1_cn_noderegistry |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail   | Rob Nahf | 2018-10-18 18:33 | d1_indexer         |
| 3675 | Infrastructure | Bug     | New         | High     | package relationships not available for archived objects                             | Rob Nahf | 2018-09-21 21:01 | d1_indexer         |
| 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       |
| 4657 | Java Client    | Task    | New         | Normal   | Pom versions are mixed between properties and inline (e.g. <version>1.8.4</version>) | Rob Nahf | 2015-02-11 20:08 |                    |
| 8123 | Infrastructure | Bug     | Testing     | Normal   | portal hazelcast client should load config directly from xml                         | Rob Nahf | 2017-12-26 18:20 | d1_portal_servlet  |
| 7868 | Infrastructure | Bug     | New         | Normal   | potential gaps between log harvests  | Rob Nahf | 2017-03-23 15:40 | d1_log_aggregation |
| 8079 | Infrastructure | Task    | In Progress | Normal   | prototype durable task processing for d1_index_processor                             | Rob Nahf | 2017-04-26 05:45 | d1_indexer         |

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| 6789 | Java Client    | Bug     | In Progress | Normal   | Read API calls to the CN are hanging  | Rob Nahf | 2016-05-07 07:59 |                    |
| 1559 | Java Client    | Task    | New         | Low      | Refactor d1_libclient_java echo tests   | Rob Nahf | 2015-02-11 19:49 | d1_libclient_java  |
| 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     |
| 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         |
| 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     |
| 8162 | Infrastructure | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes                                      | Rob Nahf | 2018-03-02 21:47 | d1_replication     |
| 6369 | Java Client    | Feature | In Progress | Normal   | ResourceMapFactory.parseResourceMap does not return aggregated resources                        | Rob Nahf | 2015-02-11 20:56 | d1_libclient_java  |
| 8093 | Infrastructure | Bug     | New         | Normal   | resource map index processing is inefficient (2sec / referenced object)                         | Rob Nahf | 2017-05-10 20:00 | d1_indexer         |
| 8536 | Infrastructure | Bug     | In Progress | Normal   | resource Map update when metadata SID is used is not indexed                                    | Rob Nahf | 2018-04-12 20:55 | d1_indexer         |
| 3057 | Java Client    | Task    | In Progress | Normal   | retest CLOSE_WAIT issue once the lib client is complete.  | Rob Nahf | 2015-02-11 19:52 | d1_libclient_java  |
| 8230 | Infrastructure | Task    | New         | Normal   | review bouncy castle version  | Rob Nahf | 2018-03-02 21:48 | d1_libclient_java  |
| 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     |
| 7910 | Infrastructure | Task    | New         | Normal   | schema validation behavior  | Rob Nahf | 2018-01-18 02:41 | d1_common_java     |
| 6399 | Infrastructure | Task    | New         | Normal   | set up release practice for the MNWebTester .war  | Rob Nahf | 2014-10-01 20:34 | MNWebChecker       |
| 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  |
| 8078 | Infrastructure | Task    | New         | Normal   | standardize task serialization for language independence  | Rob Nahf | 2017-04-25 22:39 | d1_indexer         |
| 8766 | Infrastructure | Feature | In Progress | Normal   | support server-side link checking for the 303 redirect url in the resolve call                  | Rob Nahf | 2019-05-31 15:16 | d1_cn_service      |
| 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 |
| 7889 | Infrastructure | Story   | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.                        | Rob Nahf | 2018-01-17 19:01 | 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 |
| 7687 | CN REST        | Bug     | New         | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification              | Rob Nahf | 2016-07-22 19:22 | d1_synchronization |
| 8566 | Member Nodes   | Task    | In Progress | Normal   | Test Registration   | Rob Nahf | 2019-04-16 17:17 |                    |
| 6397 | Infrastructure | Task    | New         | Normal   | test that it works from standalone .war   | Rob Nahf | 2014-10-01 20:34 | MNWebChecker       |
| 8703 | Infrastructure | Task    | New         | Normal   | test the cleaned up indexer in DEV  | Rob Nahf | 2018-09-24 18:05 | d1_indexer         |

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| 6376 | Infrastructure | Task    | New         | Normal   | test the new strategy against working ReplicationManager test                          | Rob Nahf | 2016-06-22 16:53 | d1_replication     |
| 8525 | Infrastructure | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization                       | Rob Nahf | 2018-11-16 17:32 | d1_synchronization |
| 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     |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages                      | Rob Nahf | 2012-10-16 21:34 | d1_integration     |
| 6398 | Infrastructure | Task    | New         | Normal   | update MNWebTest operations docs   | Rob Nahf | 2014-10-01 20:34 | MNWebChecker       |
| 8086 | Infrastructure | Task    | In Progress | Normal   | upgrade Spring dependencies  | Rob Nahf | 2019-07-25 20:32 | d1_indexer         |
| 7097 | Infrastructure | Bug     | New         | Normal   | v1 call to CN.search() yields a NoClassDef exception for boucncycastle                 | Rob Nahf | 2015-05-12 18:46 |                    |
| 3757 | Infrastructure | Task    | New         | Normal   | Verify Log reporting in MN Tester  | Rob Nahf | 2013-05-10 17:42 | d1_integration     |