

## Issues

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category                      |
|------|------------------|---------|-------------|----------|---|----------------|------------------|-------------------------------|
| 725  | Infrastructure   | Story   | In Progress | Normal   | Create Authentication and Access control design specifications                            | Dave Vieglaiss | 2018-01-17 20:52 | Documentation                 |
| 1644 | DataONE API      | Story   | New         | Normal   | Develop an object format creation policy  |                | 2018-01-17 20:46 |                               |
| 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            |
| 2548 | Infrastructure   | Story   | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users            |                | 2018-01-17 20:36 | Authentication, Authorization |
| 2944 | Infrastructure   | Story   | New         | Normal   | Design and implement a MN kill switch mechanism   | Dave Vieglaiss | 2018-01-17 20:30 | Support Operations            |
| 3591 | Infrastructure   | Story   | In Progress | Normal   | Content consistency checks for new member nodes   | Rob Nahf       | 2018-01-17 20:23 | MNWebChecker                  |
| 3656 | Infrastructure   | Story   | New         | Normal   | integration testing: what are acceptable pids for update?                                 | Roger Dahl     | 2018-01-17 20:22 |                               |
| 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             |
| 3720 | Infrastructure   | Story   | New         | Normal   | resource maps should be validated   | Dave Vieglaiss | 2018-01-17 20:17 | Documentation                 |
| 4052 | Infrastructure   | Story   | In Progress | Normal   | OPeNDAP MN Story  |                | 2013-10-06 20:07 | mn.OPeNDAP                    |
| 4091 | Infrastructure   | Story   | New         | Normal   | ESRI GeoPortal MN stack   |                | 2013-10-15 13:36 |                               |
| 4188 | Infrastructure   | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification                    | Dave Vieglaiss | 2018-01-17 20:05 | d1_schemas                    |
| 4278 | Infrastructure   | Story   | New         | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements              | Jing Tao       | 2018-01-17 20:04 | d1_indexer                    |
| 4463 | Infrastructure   | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing                           | Rob Nahf       | 2018-01-17 20:03 | d1_replication                |
| 4650 | Infrastructure   | Story   | New         | Normal   | Allow MN to bias resolve to the authoritative MN  | Rob Nahf       | 2018-01-17 20:00 | d1_cn_common                  |
| 5141 | Infrastructure   | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document                        | Dave Vieglaiss | 2018-01-17 19:58 | Documentation                 |
| 5468 | Python Libraries | Story   | New         | Low      | Remove dead code from D1 Python stack   | Roger Dahl     | 2018-01-17 19:57 |                               |
| 5833 | Member Nodes     | Story   | In Progress | Normal   | GBIF: Developing  |                | 2019-02-19 18:24 |                               |
| 5838 | Member Nodes     | Story   | New         | Normal   | GBIF: Testing   |                | 2019-01-28 14:39 |                               |
| 5867 | Member Nodes     | Story   | New         | Normal   | GBIF: Registration in Production environment  |                | 2019-01-24 17:08 |                               |
| 5895 | Member Nodes     | Story   | New         | Normal   | GBIF: Transition to production  |                | 2018-01-22 18:41 |                               |
| 6056 | Infrastructure   | Story   | New         | Normal   | remove log aggregation processing from d1-processing Linux service                        | Dave Vieglaiss | 2018-01-17 19:55 | d1_log_aggregation            |
| 6069 | Infrastructure   | Story   | New         | Normal   | open ask.dataone.org sign-in to community   | Dave Vieglaiss | 2014-10-01 20:39 | Documentation                 |
| 6071 | Infrastructure   | Story   | In Progress | Normal   | Release Notes and documentation   | Dave Vieglaiss | 2018-01-17 19:53 | Documentation                 |
| 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                |
| 6395 | Infrastructure   | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                        | Rob Nahf       | 2018-01-17 19:51 | MNWebChecker                  |

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| 6513 | Infrastructure   | Story   | New         | Normal   | Create a Local Cache of all Membernode log records on the single master CN                  | Dave Vieglaiss | 2018-01-17 19:49 | d1_log_aggregation            |
| 6543 | Infrastructure   | Story   | New         | Normal   | Support RIF-CS metadata standard  | Dave Vieglaiss | 2018-01-17 19:46 | Format ID                     |
| 6759 | DataONE API      | Story   | New         | Normal   | ObjectFormat Management   | Dave Vieglaiss | 2015-01-19 23:17 |                               |
| 6796 | Python Libraries | Story   | New         | Normal   | Migrate to Python v3  | Roger Dahl     | 2018-01-17 19:43 |                               |
| 6850 | Java Client      | Story   | New         | Normal   | automate Java Client releases   | Rob Nahf       | 2018-01-17 19:42 | d1_libclient_java             |
| 6883 | Infrastructure   | Story   | New         | Normal   | support for ESRI Shapefile object format  |                | 2018-01-17 19:40 | Format ID                     |
| 7095 | Python GMN       | Story   | New         | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model         | Dave Vieglaiss | 2016-03-25 02:30 |                               |
| 7146 | OGC-Slender Node | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services                               | Dave Vieglaiss | 2015-06-05 13:37 |                               |
| 7149 | OGC-Slender Node | Story   | Testing     | Normal   | Implement mechanism to retrieve a list of objects available from repository                 | Dave Vieglaiss | 2015-06-05 13:37 |                               |
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content  | Dave Vieglaiss | 2015-06-08 18:58 |                               |
| 7166 | OGC-Slender Node | Story   | New         | Normal   | Create ORE document for an NODC data package  | Dave Vieglaiss | 2015-06-08 18:50 |                               |
| 7170 | OGC-Slender Node | Story   | New         | Normal   | Evaluate the feasibility of extracting provenance information from the journal.txt document | Dave Vieglaiss | 2015-06-08 21:28 |                               |
| 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            |
| 7219 | Python GMN       | Story   | In Progress | Normal   | Upgrade Django version used by GMN, add better support for PUT operations                   | Dave Vieglaiss | 2016-03-25 01:24 |                               |
| 7224 | Infrastructure   | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option              |                | 2018-01-17 19:38 | Architecture Design           |
| 7358 | Infrastructure   | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry                                      | Dave Vieglaiss | 2016-12-21 09:05 | Authentication, Authorization |
| 7407 | Infrastructure   | Story   | In Progress | Normal   | object formats in the d1_common_java bootstrap list are inconsistent with production        | Dave Vieglaiss | 2016-03-15 16:49 | d1_indexer                    |
| 7559 | Infrastructure   | Story   | New         | Normal   | Develop plan for securing application passwords in the CN stack                             | Dave Vieglaiss | 2018-01-17 19:34 | Architecture Design           |
| 7605 | Infrastructure   | Story   | New         | Normal   | MemberNodes not authorizing CN to harvest log records                                       | Dave Vieglaiss | 2018-01-17 19:33 | 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        |
| 7650 | Infrastructure   | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy                         | Rob Nahf       | 2018-01-17 19:31 | d1_cn_common                  |
| 7668 | Infrastructure   | Story   | New         | Normal   | Determine how indexing of data packages should work   | Jing Tao       | 2018-01-17 19:28 | d1_indexer                    |
| 7712 | Infrastructure   | Story   | New         | Normal   | Sanparks fails during LogAggregation  | Laura Moyers   | 2016-04-06 16:43 | Environment.Production        |
| 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                |
| 7716 | Infrastructure   | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?  | Dave Vieglaiss | 2018-01-17 19:22 | d1_synchronization            |
| 7754 | Search UI        | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats                                       | Bryce Mecum    | 2018-05-17 14:18 | MetacatUI                     |

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| 7807 | Infrastructure | Story   | New         | Low      | cn.synchronize should support synchronization failure corrections.  |                | 2018-01-17 19:15 | Architecture Design           |
| 7810 | Infrastructure | Story   | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation  | Rob Nahf       | 2018-01-17 19:09 |                               |
| 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                |
| 7859 | Infrastructure | Story   | New         | Normal   | Add formatID for the STL 3d model file format   | Dave Vieglaiss | 2018-01-17 19:04 |                               |
| 7882 | Infrastructure | Story   | In Progress | Normal   | Tune CN logfile management  | Dave Vieglaiss | 2018-01-17 19:03 |                               |
| 7889 | Infrastructure | Story   | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.  | Rob Nahf       | 2018-01-17 19:01 | d1_synchronization            |
| 7920 | Infrastructure | Story   | In Progress | Normal   | migrate apache2 authorization rules from 2.2 conforming to 2.4  | Dave Vieglaiss | 2018-01-17 18:59 | d1_cn_buildout                |
| 7940 | Infrastructure | Story   | New         | Normal   | Retrieval of system metadata is too slow  | Robert Waltz   | 2018-01-09 19:10 | d1_cn_service                 |
| 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            |
| 8032 | Python GMN     | Story   | In Progress | Normal   | GMN v2  | Roger Dahl     | 2018-01-17 18:55 |                               |
| 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            |
| 8038 | Infrastructure | Story   | In Progress | Normal   | connect logging output to a log analysis tool   | Dave Vieglaiss | 2018-01-17 18:52 | d1_synchronization            |
| 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             |
| 8049 | Infrastructure | Story   | In Progress | Normal   | Support synchronization of system metadata for unhosted METADATA and RES_MAP objects                                  |                | 2018-01-17 18:50 | Architecture Design           |
| 8061 | Infrastructure | Story   | New         | Normal   | develop queue-based processing system for the CN  | Rob Nahf       | 2018-01-17 19:00 | Architecture Design           |
| 8073 | Python GMN     | Story   | New         | Normal   | Make sure unnecessary services are disabled   | Roger Dahl     | 2018-01-17 18:48 |                               |
| 8074 | Python GMN     | Story   | New         | Normal   | Eliminate unnecessary setuid/setgid programs  | Roger Dahl     | 2018-01-17 18:48 |                               |
| 8081 | Infrastructure | Story   | In Progress | Normal   | develop federated broker configuration for indexing   | 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                    |
| 8084 | Infrastructure | Story   | New         | Normal   | determine the backup strategy for rabbitMQ  | Rob Nahf       | 2018-01-17 18:46 | d1_indexer                    |
| 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            |
| 8109 | Infrastructure | Story   | New         | Normal   | Does authentication token need to include group information?  | Dave Vieglaiss | 2018-01-17 18:45 | Authentication, Authorization |
| 8155 | Infrastructure | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API   | Roger Dahl     | 2018-01-17 18:43 | d1_mn_GMN                     |
| 8162 | Infrastructure | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes  | Rob Nahf       | 2018-03-02 21:47 | d1_replication                |
| 8167 | Infrastructure | Story   | New         | Normal   | Enable postgres replication between Coordinating Nodes  | Monica Ihli    | 2018-01-09 19:10 | dataone-cn-os-core            |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf       | 2018-01-17 18:39 | d1_indexer                    |
| 8173 | Infrastructure | Story   | New         | High     | add checks for retrograde systemMetadata changes  | Jing Tao       | 2018-01-17 18:38 | d1_indexer                    |

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| 8204 | Infrastructure        | Story   | New         | Normal   | Adjust memory allocation for services running under JVM on CNs  |                | 2018-01-09 19:10 |                               |
| 8207 | Infrastructure        | Story   | New         | Normal   | review and adjust memory allocated to d1-processing   |                | 2018-01-09 19:10 |                               |
| 8208 | Infrastructure        | Story   | New         | Normal   | Review and adjust memory allocated to d1-index-task-generator and d1-index-task-processor                             |                | 2018-01-09 19:10 |                               |
| 8213 | Member Nodes          | Story   | New         | Normal   | KUBI node is not responding as a MN   | Dave Vieglaiss | 2017-11-06 22:18 |                               |
| 8225 | Member Nodes          | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea   | Rob Nahf       | 2018-05-17 14:30 |                               |
| 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                |
| 8234 | Infrastructure        | Story   | New         | Normal   | Use University of Kansas ORCID membership to support authentication in production environment                         | Dave Vieglaiss | 2018-01-09 19:10 | Authentication, Authorization |
| 8244 | Member Nodes          | Story   | New         | Normal   | Upgrade Member Node to current version of Metacat (IOE)   | Amy Forrester  | 2018-01-25 15:36 |                               |
| 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           |
| 8340 | Testing MN Management | Story   | New         | Normal   | Discovery   |                | 2018-02-08 15:28 |                               |
| 8343 | Testing MN Management | Story   | New         | Normal   | Planning  |                | 2018-02-08 15:28 |                               |
| 8347 | Testing MN Management | Story   | New         | Normal   | Testing & Development   |                | 2018-02-08 15:28 |                               |
| 8352 | Testing MN Management | Story   | New         | Normal   | Move to Production  |                | 2018-02-08 15:28 |                               |
| 8358 | Member Nodes          | Story   | In Progress | Normal   | Discovery & Planning (CAFF)   | Amy Forrester  | 2018-04-06 14:56 |                               |
| 8363 | Infrastructure        | Story   | New         | Normal   | indexer shutdown generates index tasks  | Rob Nahf       | 2018-09-24 15:25 | d1_indexer                    |
| 8364 | CN REST               | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |                | 2019-05-21 12:57 | d1_portal_servlet             |
| 8366 | Infrastructure        | Story   | New         | Normal   | Migrate jenkins continuous integration from UNM to UCSB   | Dave Vieglaiss | 2019-01-22 19:26 | 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            |
| 8381 | Testing MN Management | Story   | New         | Normal   | Discovery   |                | 2018-02-27 17:32 |                               |
| 8463 | Testing MN Management | Story   | New         | Normal   | test: Testing & Development   |                | 2018-03-01 21:04 |                               |
| 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                    |
| 8504 | Infrastructure        | Story   | New         | Normal   | Support creation of data citation record from solr record   | Monica Ihli    | 2018-07-17 23:06 | d1_indexer                    |
| 8515 | Testing MN Management | Story   | New         | Normal   | meow: Move to Production  |                | 2018-03-22 20:45 |                               |
| 8521 | Member Nodes          | Story   | New         | Normal   | CAFF: Testing & Development   |                | 2018-04-06 15:17 |                               |

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| 8525 | Infrastructure | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization  | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization     |
| 8535 | Member Nodes   | Story   | In Progress | Normal   | Neotoma: Story: Discovery & Planning  | Amy Forrester | 2018-04-09 21:14 |                        |
| 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             |
| 8540 | Infrastructure | Story   | New         | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor   | Rob Nahf      | 2018-04-12 04:32 | d1_indexer             |
| 8564 | Member Nodes   | Story   | New         | Normal   | (CyVerse) Testing & Development   | Rob Nahf      | 2018-07-02 19:56 |                        |
| 8568 | Member Nodes   | Story   | New         | Normal   | (CyVerse) Move to production  |               | 2018-04-23 21:18 |                        |
| 8574 | Search UI      | Story   | New         | Normal   | PANGAEA Temporary Fix: SID only in Data Citation  | Bryce Mecum   | 2018-05-01 01:45 |                        |
| 8582 | CN REST        | Story   | New         | Normal   | Replica Auditing service is throwing errors   | Jing Tao      | 2019-01-14 16:40 | d1_replication_auditor |
| 8589 | Member Nodes   | Story   | New         | Normal   | ARM: Re-Discovery & Planning  |               | 2018-05-10 21:44 |                        |
| 8602 | Infrastructure | Story   | New         | Normal   | Log aggregation and augmentation process mid 2018 updates   | Dave Vieglais | 2018-06-07 20:49 | d1_log_aggregation     |
| 8634 | Member Nodes   | Story   | New         | Normal   | DAAC: Testing & Development   | Dave Vieglais | 2018-07-02 14:55 |                        |
| 8639 | Infrastructure | Story   | New         | Normal   | Replication performance is too slow to service demand   | Chris Jones   | 2018-07-04 11:18 | d1_replication         |
| 8683 | Member Nodes   | Story   | New         | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN  | John Evans    | 2019-05-15 14:03 |                        |
| 8702 | Infrastructure | Story   | New         | Normal   | Indexing Refactor Strategy  | Rob Nahf      | 2018-09-24 18:05 | d1_indexer             |
| 8727 | Member Nodes   | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |               | 2019-01-22 18:34 |                        |
| 8734 | Infrastructure | Story   | New         | Normal   | Hazelcast shutdown tied to out of memory exception!   | Rob Nahf      | 2018-10-18 16:55 | Metacat                |
| 8736 | Infrastructure | Story   | New         | Normal   | Decouple the index generator to the hazelcast system metadata map   |               | 2019-01-22 19:27 | d1_indexer             |
| 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     |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue   | Rob Nahf      | 2018-10-30 04:10 | d1_indexer             |
| 8749 | CN REST        | Story   | New         | Normal   | Fix log aggregation events from the CN without associated CN IPs  | Dave Vieglais | 2019-05-01 22:25 |                        |
| 8756 | CN REST        | Story   | New         | Normal   | Ensure replica auditor is effective   | Chris Jones   | 2019-01-15 21:00 | d1_replication_auditor |
| 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 |
| 8758 | Infrastructure | Story   | New         | Normal   | Index replicationStatus field   | Jing Tao      | 2019-01-14 18:00 | d1_indexer             |
| 8762 | Infrastructure | Story   | New         | Normal   | Add new formats to CN   |               | 2019-02-07 20:03 |                        |
| 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             |
| 8771 | CN REST        | Story   | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`   | Dave Vieglais | 2019-03-05 19:43 | d1_cn_rest             |
| 8779 | Infrastructure | Story   | New         | Normal   | ForesiteResourceMap performance issue   | Rob Nahf      | 2019-03-25 18:48 | d1_indexer             |
| 8782 | Infrastructure | Story   | New         | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao      | 2019-03-22 18:12 |                        |
| 8791 | Infrastructure | Story   | New         | Normal   | Complete deprecation of ONEMercury interface  | Rob Nahf      | 2019-05-01 14:00 | d1_mercury             |
| 8796 | Infrastructure | Story   | New         | Normal   | Various issues with service access after upgrade to 18.04   | Jing Tao      | 2019-05-21 12:38 |                        |

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| 8806 | Infrastructure | Story   | New         | Normal   | Cleanup from OS upgrades  |                | 2019-05-21 12:45 |                         |
| 8819 | Member Nodes   | Story   | New         | Normal   | IEDA documents not in DataONE   |                | 2019-06-13 19:20 |                         |
| 8823 | Infrastructure | Story   | New         | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                             | Dave Vieglaiss | 2019-06-19 02:43 |                         |
| 8831 | Member Nodes   | Story   | New         | Normal   | Import error with schema_org.data   | John Evans     | 2019-08-05 18:57 |                         |
| 8832 | Member Nodes   | Story   | New         | Normal   | Conflict between pyshacl and owl on ubuntu  | John Evans     | 2019-08-05 19:32 |                         |
| 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 |                         |
| 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              |
| 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              |
| 8842 | Infrastructure | Story   | New         | Normal   | Some exceptions in Metacat  |                | 2019-09-19 17:53 |                         |
| 8848 | Infrastructure | Story   | New         | Normal   | A minor difference of annotation index between CN and MN  |                | 2019-11-01 21:37 |                         |
| 8849 | Infrastructure | Story   | New         | Normal   | During sync, the CN does not detect error returned from getChecksum()                                 | Jing Tao       | 2019-11-06 22:07 |                         |
| 8851 | Infrastructure | Story   | New         | Normal   | CN sends error doc with "pid" to v2 endpoint  | Jing Tao       | 2019-11-06 22:31 | d1_synchronization      |
| 8853 | Infrastructure | Story   | New         | Normal   | Make cn.resolve smarter   |                | 2019-11-15 16:50 |                         |
| 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       |
| 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             |
| 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               |
| 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 |
| 8862 | Infrastructure | Story   | New         | Normal   | Deploy a new dataone-cn-rest release  | Jing Tao       | 2020-04-23 16:24 |                         |
| 8864 | CN REST        | Story   | New         | Normal   | Synchronization does not register authoritative replica entry correctly                               | Jing Tao       | 2020-06-19 21:59 | d1_synchronization      |
| 8869 | Infrastructure | Story   | New         | Normal   | Equivalent identities show owning different amount of packages.                                       | Jing Tao       | 2020-09-24 22:34 | d1_indexer              |
| 817  | Infrastructure | Task    | New         | Low      | Integration testing: Make Java and Python stack return values equal for each function.                | Roger Dahl     | 2012-10-08 18:47 |                         |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages                                     | Rob Nahf       | 2012-10-16 21:34 | d1_integration          |
| 925  | Infrastructure | Task    | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                       |                | 2011-10-31 20:32 | d1_client_ONEDrive      |
| 991  | Infrastructure | Task    | New         | Low      | implement HEAD /resolve/<guid>  |                | 2010-10-13 22:02 |                         |
| 995  | Infrastructure | Task    | New         | Normal   | implement JSON formatted OLLs   |                | 2010-10-25 16:45 |                         |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs   |                | 2010-10-21 14:55 |                         |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category            |
|------|----------------|---------|-------------|----------|---|----------------|------------------|---------------------|
| 1035 | Infrastructure | Task    | In Progress | Normal   | Develop reference architecture documents                          | Bruce Wilson   | 2011-03-03 19:26 | Documentation       |
| 1047 | Infrastructure | Task    | In Progress | Normal   | Write Authentication system specification                         | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification                          | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping                              | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1073 | Infrastructure | Task    | New         | Normal   | Design client application authentication redirection approach     | Matthew Jones  | 2014-10-01 20:47 | d1_identity_manager |
| 1159 | Infrastructure | Task    | In Progress | Normal   | Add description of Group creation and management to design specs. | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1225 | Infrastructure | Task    | New         | Normal   | Configure Hudson Metacat build                                    |                | 2011-01-13 14:41 | Metacat             |
| 1226 | Infrastructure | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war |                | 2011-01-13 14:57 | d1_cn_buildout      |
| 1227 | Infrastructure | Task    | New         | Normal   | configure Hudson to build Mercury for deployment to a CN          | Dave Vieglaiss | 2011-01-13 15:16 | d1_mercury          |
| 1234 | Infrastructure | Task    | New         | Normal   | Record performance metrics for member nodes                       |                | 2011-01-15 02:52 |                     |
| 1236 | Infrastructure | Task    | New         | Normal   | Highly variable response times from cn.dataone.org                |                | 2011-01-17 16:34 | d1_cn_service       |
| 1331 | Infrastructure | Task    | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()            |                | 2011-02-09 22:44 |                     |
| 1332 | Infrastructure | Task    | New         | Normal   | Possibly remove MN_crud.update()                                  |                | 2011-02-09 22:50 |                     |
| 1333 | Infrastructure | Task    | New         | Normal   | traceInformation -> trace   |                | 2011-02-09 22:46 |                     |
| 1334 | Infrastructure | Task    | New         | Normal   | Completely remove detailCode                                      |                | 2011-02-09 22:51 |                     |
| 1335 | Infrastructure | Task    | New         | Normal   | Local caching of the d1 schema.                                   |                | 2011-02-09 22:56 |                     |
| 1339 | Infrastructure | Task    | New         | Normal   | "common" -> "base" or "foundation"                                |                | 2011-02-09 23:19 |                     |
| 1411 | Infrastructure | Task    | New         | Normal   | Vendor Specific Extensions  |                | 2011-03-08 16:59 |                     |
| 1412 | CN REST        | Task    | New         | Normal   | MN health check performed by CN                                   | Robert Waltz   | 2015-01-19 23:06 |                     |
| 1414 | Infrastructure | Task    | New         | Normal   | How to represent additional Node attributes.                      |                | 2011-03-09 06:16 |                     |
| 1442 | DataONE API    | Task    | New         | Normal   | Identify monitoring and logging use cases and requirements        | Dave Vieglaiss | 2015-01-19 23:06 |                     |
| 1443 | DataONE API    | Task    | New         | Normal   | Identify operational requirements for monitoring and logging      | Dave Vieglaiss | 2015-01-19 23:06 |                     |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                   | Matthew Jones  | 2014-10-01 20:47 | Documentation       |
| 1471 | Infrastructure | Task    | New         | Normal   | Define implicit curator role at Member Nodes.                     | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1472 | Infrastructure | Task    | New         | Normal   | Explain revocation policies via MN curator.                       | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1473 | Infrastructure | Task    | New         | Normal   | Make default access policy explicit in Authz docs.                | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1474 | Infrastructure | Task    | New         | Normal   | Design verification process for new accounts                      | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1479 | CN REST        | Task    | In Progress | Normal   | Design web UI for validating newly created identities             | Ben Leinfelder | 2015-01-19 22:59 |                     |
| 1481 | Infrastructure | Task    | New         | Normal   | Clarify spec that groups can own objects                          | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1482 | Infrastructure | Task    | New         | Normal   | Design mechanism to collapse two accounts into one                | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1484 | Infrastructure | Task    | New         | Normal   | Decide on format for Principals                                   | Matthew Jones  | 2014-10-01 20:47 |                     |
| 1485 | Infrastructure | Task    | New         | Normal   | Clean up authn requirements listing                               | Matthew Jones  | 2014-10-01 20:47 |                     |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|---------------|------------------|--------------------|
| 1494 | Infrastructure | Task    | New         | Normal   | Create sequence diagrams for Authentication services.  | Matthew Jones | 2014-10-01 20:47 |                    |
| 1502 | Infrastructure | Task    | New         | Normal   | Fix hierarchy of permission levels.  | Matthew Jones | 2014-10-01 20:47 | Documentation      |
| 1518 | Infrastructure | Task    | New         | Normal   | How to support caching   |               | 2011-05-04 14:33 |                    |
| 1519 | Infrastructure | Task    | New         | Normal   | HTTP Byte Range Requests   |               | 2011-05-04 14:34 |                    |
| 1520 | Infrastructure | Task    | New         | Normal   | Stream Output  |               | 2011-05-04 14:35 |                    |
| 1521 | Infrastructure | Task    | New         | Normal   | Compressed Response  |               | 2011-05-04 14:35 |                    |
| 1527 | Infrastructure | Task    | New         | Normal   | Allow AccessPolicy to be set for groups  | Matthew Jones | 2014-10-01 20:47 |                    |
| 1552 | Java Client    | Task    | New         | Normal   | Copy TestSimpleMultipartEntity from d1_common_java to d1_integration                                 | Rob Nahf      | 2015-02-11 19:49 |                    |
| 1554 | Java Client    | Task    | New         | Normal   | Create MockHttpClient for testing in d1_common_java  | Rob Nahf      | 2015-02-11 19:49 | 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     |
| 1556 | Infrastructure | Task    | In Progress | High     | Interns mailing list   |               | 2011-05-12 23:02 |                    |
| 1559 | Java Client    | Task    | New         | Low      | Refactor d1_libclient_java echo tests  | Rob Nahf      | 2015-02-11 19:49 | d1_libclient_java  |
| 1585 | Infrastructure | Task    | New         | Low      | add exec-maven-plugin to trigger python integration tests at verify phase.                           | Rob Nahf      | 2012-10-16 21:32 |                    |
| 1646 | Infrastructure | Task    | New         | Normal   | Add addFormat() to the CNCORE API  |               | 2016-06-22 16:51 |                    |
| 1647 | Java Client    | Task    | New         | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                                 |               | 2016-06-22 16:51 | d1_common_java     |
| 1648 | Java Client    | Task    | New         | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                                    |               | 2016-06-22 16:51 | d1_libclient_java  |
| 1649 | Infrastructure | Task    | New         | Normal   | Update Metacat's CNCOREImpl to include addFormat()   |               | 2016-06-22 16:51 |                    |
| 1650 | Infrastructure | Task    | New         | Normal   | Update d1_cn_service ProxyCNCOREService and CNCOREController 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 |                    |
| 1660 | Infrastructure | Task    | New         | Normal   | Refactor REST calls so that mandatory args are part of the URL and optional args are key/value pairs |               | 2011-06-28 21:35 |                    |
| 1671 | Infrastructure | Task    | New         | Normal   | Need folder for DUG, accessible by DUG members   | Matthew Jones | 2011-07-12 12:09 | Support Operations |
| 1762 | Infrastructure | Task    | New         | Normal   | Sketch CN components and associations  | Dave Vieglais | 2014-10-02 17:40 |                    |
| 1808 | Infrastructure | Task    | New         | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()   |               | 2011-10-04 16:08 |                    |
| 1890 | Infrastructure | Task    | New         | Normal   | Comply with Maven Central requirements for publishing artifacts                                      | Matthew Jones | 2011-10-27 21:39 |                    |
| 1961 | Infrastructure | Task    | New         | Normal   | Types.ErrorMessage - does not exist  | 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      |
| 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      |
| 2018 | Infrastructure | Task    | New         | Normal   | document DataONE CA operations procedures  | Matthew Jones | 2012-04-23 17:53 | Support Operations |



| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---|----------------|------------------|-------------------------------|
| 2028 | Infrastructure | Task    | New         | Normal   | Document VM specifications for CNs  | 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                    |
| 2030 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UNM            | Dave Vieglaiss | 2014-09-24 18:29 | Hardware                      |
| 2031 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UCSB           | Nick Outin     | 2014-09-24 18:29 | Hardware                      |
| 2033 | Infrastructure | Task    | New         | Normal   | Document hardware / CN administrators and their contact info                      | Dave Vieglaiss | 2014-09-24 18:29 | Management                    |
| 2035 | Infrastructure | Task    | New         | Normal   | Design nagios system for monitoring CN locations                                  | Nick Outin     | 2014-09-24 18:29 | d1_monitor                    |
| 2051 | Infrastructure | Task    | New         | Normal   | Use subject instead of NodeRef  |                | 2011-11-23 18:11 | Documentation                 |
| 2053 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion               |                | 2014-10-02 17:21 |                               |
| 2054 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                 | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2083 | Infrastructure | Task    | New         | Normal   | Split the CN API into public and private sections                                 | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2123 | Infrastructure | Task    | New         | Normal   | Description of serialVersion  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2131 | Infrastructure | Task    | New         | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId                            | Dave Vieglaiss | 2014-10-02 17:21 |                               |
| 2133 | Infrastructure | Task    | New         | Normal   | listObjects() datetime slicing  |                | 2011-12-12 23:15 |                               |
| 2142 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - include PID in signature                             | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 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              |
| 2151 | Infrastructure | Task    | New         | Normal   | Ensuring that cited objects are not deleted                                       |                | 2011-12-23 04:20 |                               |
| 2168 | CN REST        | Task    | New         | Normal   | Design UI for identity validation   | Ben Leinfelder | 2015-01-19 22:59 |                               |
| 2169 | Infrastructure | Task    | In Progress | Normal   | Design content and layout for status page   | Dave Vieglaiss | 2012-03-14 20:40 | d1_monitor                    |
| 2172 | Infrastructure | Task    | New         | Normal   | Types.DateTime: Example serialization without TZ designator                       | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2227 | Infrastructure | Task    | New         | Normal   | Specify valid mimetypes for responses   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2281 | Infrastructure | Task    | New         | Low      | Possibly update the Identity Management and Authenticated Session Management doc  | Matthew Jones  | 2014-10-01 20:47 | Authentication, Authorization |
| 2286 | Infrastructure | Task    | New         | Low      | Change Exceptions.InvalidToken to Exceptions.InvalidSession                       | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2342 | Infrastructure | Task    | New         | Normal   | CNCore.reserveldentifier() - Update REST description                              | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2343 | Infrastructure | Task    | New         | Normal   | Convert style sheets to separate product  | Ben Leinfelder | 2012-02-15 17:43 |                               |
| 2344 | Infrastructure | Task    | New         | Normal   | Add category for Ben's style sheets in Redmine                                    | Dave Vieglaiss | 2012-02-15 17:45 | Support Operations            |
| 2394 | Infrastructure | Task    | New         | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2414 | CN REST        | Task    | New         | Normal   | Implement exceptions for search/solr endpoint                                     | Skye Roseboom  | 2015-01-19 22:49 |                               |
| 2415 | CN REST        | Task    | New         | Normal   | Implement exceptions for log endpoint   | Robert Waltz   | 2015-01-19 22:49 |                               |
| 2464 | Infrastructure | Task    | New         | Normal   | Authentication - no space after comma in subjects                                 | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2465 | Infrastructure | Task    | New         | Normal   | Authentication - Remove TODO about selecting format for principal name            | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee        | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|-----------------|------------------|-------------------------------|
| 2466 | Infrastructure | Task    | New         | Normal   | Authentication - Remove references to Principal  | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2475 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null                                 | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2487 | CN REST        | Task    | New         | Normal   | How does a CN handle the failure of MN replica to receive MNStorage.sytemMetadataChanged()   | Robert Waltz    | 2016-08-10 20:51 |                               |
| 2492 | Infrastructure | Task    | New         | Normal   | Add status page for given {pid}  | Ben Leinfelder  | 2012-03-15 02:02 | d1_monitor                    |
| 2508 | Infrastructure | Task    | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.                 | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2545 | Infrastructure | Task    | New         | Normal   | create d1_integration tests using for MN.generateIdentifier                                  | Rob Nahf        | 2014-10-02 17:54 | d1_integration                |
| 2549 | Infrastructure | Task    | New         | Normal   | document the decision  | Matthew Jones   | 2012-03-27 22:03 | Authentication, Authorization |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09   | Skye Roseboom   | 2014-09-11 15:47 | d1_replication                |
| 2593 | Infrastructure | Task    | New         | Normal   | Prepare science data and metadata content for the workshop                                   | Dave Vieglaiss  | 2012-04-09 22:52 |                               |
| 2594 | Infrastructure | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop   | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury                    |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions                                       | Andrew Pippin   | 2012-07-06 16:25 | d1_mn_GMN                     |
| 2646 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()          | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2660 | Infrastructure | Task    | New         | Normal   | Deciding on a key size for D1 certs  | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2664 | Infrastructure | Task    | New         | Normal   | Create documentation for how transitivity is enacted for authorization                       | Matthew Jones   | 2014-10-01 20:47 | Authentication, Authorization |
| 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            |
| 2688 | Infrastructure | Task    | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison | Dave Vieglaiss  | 2014-09-24 18:27 | Documentation                 |
| 2791 | Infrastructure | Task    | New         | Normal   | verify on dev machines   | Dave Vieglaiss  | 2012-05-21 17:41 | d1_cn_buildout                |
| 2793 | Infrastructure | Task    | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header        | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2794 | Infrastructure | Task    | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2809 | Infrastructure | Task    | New         | Normal   | MNStorage.update() - Make behavior explicit  | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2810 | Infrastructure | Task    | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect                             | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2826 | Infrastructure | Task    | New         | Normal   | MNStorage.archive() - Permissions  | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation                 |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*   | Dave Vieglaiss  | 2015-06-25 22:00 | d1_schemas                    |
| 2896 | Infrastructure | Task    | New         | Normal   | Modify the admin DN in createObjectformat script per environment                             | Chris Jones     | 2012-10-05 14:23 | d1_cn_buildout                |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                                       | Rob Nahf        | 2014-10-01 22:04 | d1_integration                |
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats                                  | Ben Leinfelder  | 2012-08-14 23:41 |                               |
| 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             |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category           |
|------|----------------|---------|-------------|----------|---|----------------|------------------|--------------------|
| 3063 | Infrastructure | Task    | New         | Normal   | Change Mutability of Metadata documentation   | Dave Vieglaiss | 2014-09-24 18:27 | Documentation      |
| 3067 | Infrastructure | Task    | New         | Normal   | Old DAAC PIDs to archive  | Dave Vieglaiss | 2013-01-02 14:14 | mn.Mercury         |
| 3076 | Infrastructure | Task    | New         | Normal   | Allow user to specify Morpho storage directory  |                | 2013-03-02 05:29 | Morpho             |
| 3080 | Infrastructure | Task    | New         | Normal   | Calling Dataone client library in morpho  |                | 2013-03-02 05:28 |                    |
| 3082 | Infrastructure | Task    | New         | Normal   | Morpho should not rely on CN for any critical features  |                | 2013-03-02 05:26 | Morpho             |
| 3108 | Infrastructure | Task    | New         | Normal   | lastHarvested date is always equal to the current time.   | Dave Vieglaiss | 2012-07-30 22:11 |                    |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents  | Ben Leinfelder | 2012-07-31 01:34 |                    |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2   | Andrew Pippin  | 2012-08-02 17:27 |                    |
| 3115 | Infrastructure | Task    | New         | Normal   | Get R client into working state.  | Andrew Pippin  | 2012-08-02 17:32 |                    |
| 3142 | Infrastructure | Task    | New         | Normal   | Need a new local search mechanism   |                | 2013-03-02 05:15 |                    |
| 3156 | Infrastructure | Task    | New         | Low      | Design Review: resource map indexing strategy   | Skye Roseboom  | 2012-08-27 18:51 | d1_indexer         |
| 3166 | Infrastructure | Task    | New         | Normal   | Add d1_common_java and d1_libclient_java and their dependency jar   |                | 2012-08-31 17:15 |                    |
| 3171 | Infrastructure | Task    | New         | Normal   | Add d1_common_java d1_libclient_java and their dependency jar files to the morpho lib                           |                | 2012-08-31 17:27 |                    |
| 3175 | Infrastructure | Task    | New         | Normal   | Include dataoneTypes.xsd in Metacat registered schemas  | Chris Jones    | 2012-10-05 14:23 | Metacat            |
| 3177 | Member Nodes   | Task    | New         | Normal   | Contact operators   | Matthew Jones  | 2012-09-05 01:46 |                    |
| 3181 | Member Nodes   | Task    | New         | Normal   | Contact PFRP as potential MN  | Matthew Jones  | 2013-01-30 21:00 |                    |
| 3185 | Member Nodes   | Task    | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN  | Dave Vieglaiss | 2012-09-05 02:12 |                    |
| 3198 | Member Nodes   | Task    | New         | Normal   | Initial contact for the USGS MN   | Mike Frame     | 2013-08-23 13:07 |                    |
| 3200 | Member Nodes   | Task    | New         | Normal   | Make initial contact with USGS-NWRC   | Mike Frame     | 2013-10-24 15:23 |                    |
| 3204 | Member Nodes   | Task    | New         | Normal   | Collate MN metadata for review  | Mike Frame     | 2015-12-03 19:36 |                    |
| 3208 | Member Nodes   | Task    | New         | Normal   | Collate node application metadata for the BIOTA - FAPESP MN   | Matthew Jones  | 2015-12-03 19:36 |                    |
| 3210 | Member Nodes   | Task    | New         | Normal   | Collect application metadata for the AKN member node  | Ben Leinfelder | 2013-01-08 19:23 |                    |
| 3212 | Member Nodes   | Task    | New         | Normal   | Collect metadata for the Taiwan TERN member node  | Matthew Jones  | 2014-02-20 21:58 |                    |
| 3216 | Member Nodes   | Task    | New         | Normal   | Contact GEO BON for possible MN   | Matthew Jones  | 2012-09-05 03:29 |                    |
| 3220 | Member Nodes   | Task    | In Progress | Normal   | contact iEcolab to determine possible MN role   | Ben Leinfelder | 2013-10-01 17:53 |                    |
| 3260 | Member Nodes   | Task    | New         | Normal   | Scope out the implementation of a CitSci.org MN   | Bruce Wilson   | 2012-09-20 20:51 |                    |
| 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 |
| 3313 | Infrastructure | Task    | New         | Normal   | Configure indexer to handle inline eml data   | Skye Roseboom  | 2012-10-08 21:01 | d1_indexer         |
| 3314 | Infrastructure | Task    | New         | Normal   | CNRead.getQueryEngineDescription() - REST URL   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation      |
| 3315 | Infrastructure | Task    | New         | Normal   | CNRead.query() - POST in addition to GET  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation      |
| 3328 | Infrastructure | Task    | New         | Normal   | Enable a data preview from the search results page  | Chris Jones    | 2012-10-23 19:34 | d1_mercury         |
| 3332 | Infrastructure | Task    | In Progress | Normal   | Revise use cases and add sample code  | Dave Vieglaiss | 2014-09-24 18:27 | Documentation      |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|----------------|------------------|------------------------|
| 3333 | Infrastructure | Task    | New         | Low      | Generalize mk_* scripts for host name   | Dave Vieglais  | 2012-10-11 18:50 | Support Operations     |
| 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                |
| 3371 | Infrastructure | Task    | New         | Normal   | unmarshalTypeFromFile method is using FileReader  |                | 2012-10-29 19:15 |                        |
| 3373 | Infrastructure | Task    | New         | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.   |                | 2012-11-06 02:05 |                        |
| 3374 | Member Nodes   | Task    | New         | Normal   | Move kepler-library.org Metacat to new server   | Ben Leinfelder | 2012-11-08 00:31 |                        |
| 3380 | Infrastructure | Task    | New         | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x   | Dave Vieglais  | 2012-12-12 16:50 |                        |
| 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 |                        |
| 3411 | Member Nodes   | Task    | New         | Normal   | Collate documents of relevance to MN deployment and operation   | Dave Vieglais  | 2012-12-01 18:33 |                        |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header   | Chris Jones    | 2013-02-21 18:41 | Metacat                |
| 3438 | Infrastructure | Task    | New         | Normal   | Evaluate utility of schema.org  |                | 2012-12-21 16:15 | Documentation          |
| 3465 | Infrastructure | Task    | New         | Normal   | Improve Metacat listObject slicing  | Ben Leinfelder | 2013-01-08 18:54 | Metacat                |
| 3466 | Infrastructure | Task    | New         | Normal   | Add synthetic key to systemMetadata table   | Ben Leinfelder | 2013-01-08 18:30 |                        |
| 3467 | Infrastructure | Task    | New         | Normal   | MN.listObject should use auto-incremented key   | Ben Leinfelder | 2013-01-08 18:31 | Metacat                |
| 3468 | Infrastructure | Task    | New         | Normal   | Explore how CN.listObject can effectively use auto-incremented key  | Ben Leinfelder | 2013-01-08 18:35 | Documentation          |
| 3488 | Infrastructure | Task    | New         | Normal   | Create custom merge policy to support managing data/information inconsistency                                 | Chris Jones    | 2014-03-14 17:27 | Metacat                |
| 3501 | Infrastructure | Task    | New         | Normal   | The list of MN objects doesn't show an object, but the direct access shows it                                 |                | 2013-01-18 19:13 |                        |
| 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     |
| 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     |
| 3512 | Infrastructure | Task    | New         | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes                 | Dave Vieglais  | 2013-01-23 16:34 | Environment.Production |
| 3518 | Member Nodes   | Task    | New         | Normal   | Arctos: New MN discussion   | Dave Vieglais  | 2013-01-25 18:27 |                        |
| 3535 | Member Nodes   | Task    | New         | Normal   | Contact LITS prospect MN to scope out prospects   | Matthew Jones  | 2013-01-30 21:15 |                        |
| 3537 | Member Nodes   | Task    | New         | Normal   | Contact followup on Citsci.org MN prospect  | Laura Moyers   | 2014-03-28 18:03 |                        |
| 3567 | Member Nodes   | Task    | New         | Normal   | Unresolvable content on CN from ONEShare  |                | 2016-06-03 13:43 |                        |
| 3577 | Infrastructure | Task    | New         | Normal   | Confusing message about "Ignored Tests present".  | Rob Nahf       | 2013-02-14 22:36 | MNWebChecker           |
| 3596 | Infrastructure | Task    | New         | Normal   | Fix Merritt Repository resource map typing of triple objects  | John Kunze     | 2013-02-19 02:27 | mn.Merritt             |
| 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 |                        |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|----------------|------------------|-------------------------------|
| 3598 | Infrastructure | Task    | New         | Normal   | Node document subject description is a bit unclear   | Dave Viegla    | 2014-10-02 17:21 | Documentation                 |
| 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 |                               |
| 3610 | Infrastructure | Task    | In Progress | Normal   | Include ESRI-specific FGDC metadata schema in object format list   | Chris Jones    | 2013-07-03 00:23 | Environment.Production        |
| 3612 | Infrastructure | Task    | New         | Normal   | CN SystemMetadata has incomplete obsoletedBy information   | Ben Leinfelder | 2013-03-08 17:43 | Environment.Production        |
| 3616 | Infrastructure | Task    | New         | Normal   | Enable ServiceMethodRestriction support in Metacat   | Chris Jones    | 2013-02-27 16:28 | Metacat                       |
| 3624 | Infrastructure | Task    | Testing     | Normal   | Update CN index processing to support ESRI FGDC metadata format  | Skye Roseboom  | 2013-03-05 23:27 | d1_indexer                    |
| 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        |
| 3626 | Infrastructure | Task    | New         | Normal   | Metacat should use correct object format for ESRI profile metadata   | Ben Leinfelder | 2013-02-27 23:56 | Metacat                       |
| 3635 | Infrastructure | Task    | New         | Normal   | Phase two Morpho implementation  | Ben Leinfelder | 2013-03-25 22:49 |                               |
| 3643 | Infrastructure | Task    | New         | Normal   | Decide on future of stage-2 environment  | Robert Waltz   | 2015-01-14 00:41 |                               |
| 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             |
| 3728 | Infrastructure | Task    | New         | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata    | Dave Viegla    | 2014-09-24 18:27 | Documentation                 |
| 3757 | Infrastructure | Task    | New         | Normal   | Verify Log reporting in MN Tester  | Rob Nahf       | 2013-05-10 17:42 | d1_integration                |
| 3763 | Infrastructure | Task    | New         | Low      | Visualize PyPI download statistics for Python components   | Roger Dahl     | 2014-10-01 21:32 | d1_dashboard                  |
| 3768 | Infrastructure | Task    | New         | Normal   | Add canonical DataONE description paper to citing DataONE web-page   | Amber Budden   | 2013-05-16 22:20 | Community Engagement          |
| 3774 | Member Nodes   | Task    | New         | Normal   | return NotFound exceptions for /meta and /object calls using "near miss" identifiers                       | Ryan Scherle   | 2014-03-14 18:22 |                               |
| 3807 | Infrastructure | Task    | New         | Normal   | Add documentation for Types.QueryEngineDescription   | Dave Viegla    | 2014-10-02 17:21 | Documentation                 |
| 3810 | Infrastructure | Task    | New         | Normal   | Identify and setup location for user oriented operational docs   | Dave Viegla    | 2014-09-24 18:27 | 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            |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features   | Chris Jones    | 2013-09-12 20:04 | Environment.Production        |
| 3868 | Member Nodes   | Task    | In Progress | Normal   | Verify TFRI node is running NTP  | Ben Leinfelder | 2013-08-05 17:25 |                               |
| 3878 | Infrastructure | Task    | New         | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation  | Dave Viegla    | 2014-09-24 18:27 |                               |
| 3879 | Infrastructure | Task    | New         | Normal   | 4.2.1.2 Missing Policies and Expectations  |                | 2014-09-24 18:27 | Environment.Production        |
| 3880 | Infrastructure | Task    | New         | Normal   | 4.2.1.3 CILogon Extension Not Documented   |                | 2014-09-24 18:27 | Environment.Production        |
| 3881 | Infrastructure | Task    | New         | Normal   | 4.2.1.4 Definition of Verified User Lacking  | Dave Viegla    | 2014-09-24 18:27 | Documentation                 |
| 3891 | Infrastructure | Task    | New         | Normal   | review vulnerability to BREACH attacks   | Dave Viegla    | 2013-08-07 15:01 | Authentication, Authorization |
| 3894 | Infrastructure | Task    | New         | Normal   | This task contains all the bugs related to the story   |                | 2014-09-24 18:27 |                               |
| 3895 | Infrastructure | Task    | New         | Normal   | Can we add bugs to a task in a story?  |                | 2014-09-24 18:27 |                               |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee            | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|---------------------|------------------|--------------------|
| 3901 | Infrastructure | Task    | New         | Normal   | Review Mozilla Persona as an alternative for identity management                                   | Dave Vieglaiss      | 2013-08-09 11:57 | Documentation      |
| 3905 | Infrastructure | Task    | In Progress | Normal   | Sort out shell logins for splunk system  | Bruce Wilson        | 2013-08-23 13:27 | Support Operations |
| 3906 | Member Nodes   | Task    | New         | High     | Update malformed Resource Maps   |                     | 2013-08-09 17:50 |                    |
| 3907 | Infrastructure | Task    | New         | Normal   | MN Integration Test - verify system metadata returned matches expected                             | Rob Nahf            | 2013-08-09 18:48 | d1_integration     |
| 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       |
| 3925 | Infrastructure | Task    | New         | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN                        | Rob Nahf            | 2014-10-01 22:04 | MNWebChecker       |
| 3974 | Infrastructure | Task    | New         | Normal   | Complete agenda for meeting  | Dave Vieglaiss      | 2013-09-11 20:59 |                    |
| 3978 | Infrastructure | Task    | In Progress | Normal   | Add a CN reporting script that summarizes spatial data for the dashboard                           | Chris Jones         | 2014-03-31 17:41 | d1_dashboard       |
| 3980 | Member Nodes   | Task    | New         | Normal   | Missing content  | Chris Jones         | 2013-09-25 21:48 |                    |
| 3989 | Member Nodes   | Task    | New         | Normal   | USGS Clearinghouse resource maps have discrepancies with CN  | Ranjeet Devarakonda | 2013-09-26 23:34 |                    |
| 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 |                    |
| 4013 | Member Nodes   | Task    | New         | Normal   | Follow-up on plans for TERN following Oct ILTER meeting in Korea                                   | Laura Moyers        | 2014-02-20 21:58 |                    |
| 4045 | Member Nodes   | Task    | In Progress | Normal   | Conversation with Laura/Mike re USGS ScienceBase planning  | Laura Moyers        | 2014-05-30 19:45 |                    |
| 4046 | Member Nodes   | Task    | In Progress | Normal   | Laura to check with Mike re USGS-NWRC planning   | Laura Moyers        | 2013-11-03 21:43 |                    |
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN   | Dave Vieglaiss      | 2013-10-06 20:11 | mn.OPeNDAP         |
| 4059 | Infrastructure | Task    | New         | Normal   | Add test to verify node is reporting correct nodeId in log records                                 | Rob Nahf            | 2013-10-07 19:10 |                    |
| 4068 | Member Nodes   | Task    | New         | Normal   | Coordinate discussions for biodiversity data in DataONE with TDWG participants                     | Dave Vieglaiss      | 2016-06-17 19:31 |                    |
| 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 |
| 4102 | Infrastructure | Task    | New         | Normal   | Add expiration policy for CNCORE.reservedIdentifier()  | Dave Vieglaiss      | 2014-10-02 17:21 | Documentation      |
| 4116 | Member Nodes   | Task    | In Progress | Normal   | Work with FRIM to upgrade Metacat to 2.2.1 or later  | Jing Tao            | 2015-01-23 19:02 |                    |
| 4117 | Member Nodes   | Task    | New         | Normal   | Issue Test certs for FRIM  |                     | 2015-01-23 19:02 |                    |
| 4118 | Member Nodes   | Task    | New         | Normal   | Validate FRIM sync against stage environment   |                     | 2015-01-23 19:02 |                    |
| 4120 | Infrastructure | Task    | New         | Normal   | Display total data downloads in the SummaryView header   | Skye Roseboom       | 2014-03-31 17:41 | d1_dashboard       |
| 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       |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map  | Chris Jones         | 2014-03-31 17:41 | d1_dashboard       |
| 4147 | Infrastructure | Task    | In Progress | Normal   | Modify d1_spatial_reporter.py to produce custom JSON output  | Chris Brumgard      | 2014-03-31 17:41 | d1_cn_tools        |
| 4189 | Infrastructure | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation  | Dave Vieglaiss      | 2017-01-14 00:24 | d1_schemas         |
| 4190 | Infrastructure | Task    | New         | Normal   | Update architecture docs to import dataoneErrors.xsd   | Dave Vieglaiss      | 2014-09-24 18:28 | Documentation      |

| #    | Project        | Tracker | Status      | Priority  | Subject   | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|-----------|---|-------------------|------------------|------------------------|
| 4192 | Infrastructure | Task    | In Progress | Normal    | Notify MN implementations of the discrepancy in exception definition  | Dave Vieglaiss    | 2014-09-24 18:28 | Management             |
| 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 |
| 4210 | Infrastructure | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()  | Chris Jones       | 2013-12-20 16:12 | Metacat                |
| 4246 | Infrastructure | Task    | In Progress | Normal    | Determine why cn-stage-ucsb-1 LDAP syncrepl is failing  | Michael Campfield | 2014-10-31 17:42 | Environment.Stage1     |
| 4655 | Java Client    | Task    | New         | Normal    | Pom appears to bring in plugins as project dependencies (maven-jar-plugin, maven-clean-plugin)  |                   | 2015-02-11 20:08 |                        |
| 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 |                        |
| 4660 | Java Client    | Task    | New         | Normal    | src/main/java has XML files   | Robert Waltz      | 2015-02-11 20:08 | d1_common_java         |
| 4661 | Java Client    | Task    | New         | Normal    | Deprecated methods give no indication of the (Java) version in which they will be removed   |                   | 2015-02-11 20:08 |                        |
| 4663 | Java Client    | Task    | New         | Normal    | src/main/resources appears to have config for log4j through commons-logging but neither logging library is declared as a test scope dependency. |                   | 2015-02-11 20:08 |                        |
| 4664 | Java Client    | Task    | New         | Normal    | Related to above: Test classes bring in org.apache.log4j.Logger but it is not declared as a test dependency                                     |                   | 2015-02-11 20:08 |                        |
| 4665 | Java Client    | Task    | New         | Normal    | Tests contain redundant code.   |                   | 2015-02-11 20:08 |                        |
| 4666 | Java Client    | Task    | New         | Normal    | - All types have the same serialVersionUID (10000000)   |                   | 2015-02-11 20:08 |                        |
| 4667 | Java Client    | Task    | New         | Normal    | - (Important!) No types implement equals or hashCode  |                   | 2015-02-11 20:08 |                        |
| 4668 | Java Client    | Task    | New         | Normal    | - No types implement toString   |                   | 2015-02-11 20:08 |                        |
| 4669 | Java Client    | Task    | New         | Normal    | - Regarding the style: A good addition to the types would be some builders, static factories and constructors as applicable                     |                   | 2015-02-11 20:08 |                        |
| 4670 | Java Client    | Task    | New         | Normal    | - Regarding the style: The types are fully mutable with no field validations or constraints.  |                   | 2015-02-11 20:08 |                        |
| 4671 | Java Client    | Task    | In Progress | Normal    | suggest updating the following versions:  |                   | 2015-02-11 20:08 |                        |
| 4672 | Java Client    | Task    | In Progress | Normal    | mvn dependencies:analyse shows transitive dependencies:   |                   | 2015-02-11 20:08 |                        |
| 4673 | Java Client    | Task    | New         | Normal    | Pom has warnings:   |                   | 2015-02-11 20:08 |                        |
| 4675 | Infrastructure | Task    | New         | Normal    | Administratively delete those pids with the white spaces  |                   | 2014-09-24 18:09 |                        |
| 4704 | Infrastructure | Task    | New         | Normal    | Create a view of MN holdings from a CN perspective  | Dave Vieglaiss    | 2014-04-09 15:33 |                        |
| 4711 | Infrastructure | Task    | New         | Normal    | replace SSL Certs for cn-unm-1.dataone.org  |                   | 2014-09-24 18:14 |                        |
| 4712 | Infrastructure | Task    | New         | Normal    | replace SSL cert for cn-ucsb-1.dataone.org  |                   | 2014-09-24 18:14 |                        |
| 4713 | Infrastructure | Task    | New         | Normal    | replace SSL cert fo cn-orc-1.dataone.org  |                   | 2014-09-24 18:14 |                        |
| 4714 | Infrastructure | Task    | In Progress | Normal    | Refresh client certificate for MN urn:node:TFRI   | Chris Jones       | 2014-09-24 18:14 | Environment.Production |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|-------------------|------------------|------------------------|
| 4715 | Infrastructure | Task    | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN                                    | Chris Jones       | 2014-09-24 18:14 |                        |
| 4716 | Infrastructure | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD                                     | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 4717 | Infrastructure | Task    | New         | Normal   | refresh client certificate for mn-unm-2.dataone.org                               |                   | 2014-09-24 18:14 |                        |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate   | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 4722 | Infrastructure | Task    | New         | Normal   | Clarify permissions for CN  | Dave Vieglais     | 2014-10-02 17:21 |                        |
| 4723 | Infrastructure | Task    | New         | Normal   | MN recognition of CN  | Dave Vieglais     | 2014-10-02 17:21 |                        |
| 5121 | Member Nodes   | Task    | New         | Normal   | Fix DryadDataFile instance documents with no dcterms:creator element              | Chris Jones       | 2014-04-30 19:25 |                        |
| 5122 | Member Nodes   | Task    | New         | Normal   | Verify/update information in TFRI's node registration                             | Chris Jones       | 2014-04-18 16:51 |                        |
| 5136 | Infrastructure | Task    | New         | Normal   | Change DNS settings on all DataONE VMs  | Chris Jones       | 2014-05-08 03:16 | Environment.Production |
| 5137 | Infrastructure | Task    | New         | Normal   | Fix DataONE CA chain file location in cn-buildout                                 | Chris Jones       | 2014-04-25 15:06 | d1_cn_buildout         |
| 5313 | Java Client    | Task    | New         | Normal   | enable remote deployment of product packages from Hudson / Jenkins                | Rob Nahf          | 2015-02-11 20:34 |                        |
| 5449 | Member Nodes   | Task    | In Progress | Normal   | Resolve resource map issues for LTER-Europe                                       | Chris Jones       | 2014-06-20 17:59 |                        |
| 5450 | Member Nodes   | Task    | In Progress | Normal   | (Waiting for) USC to complete development of MN stack (derived from GMN)          | Laura Moyers      | 2018-08-31 15:26 |                        |
| 5454 | Member Nodes   | Task    | New         | Normal   | Evaluate dataverse potential MN   | Bruce Wilson      | 2014-05-29 19:30 |                        |
| 5455 | Member Nodes   | Task    | In Progress | Normal   | Contact Line Pouchard to re-open discussion about PURL as a potential MN          | Bruce Wilson      | 2015-11-19 19:17 |                        |
| 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 |
| 5531 | Infrastructure | Task    | Testing     | Normal   | Provide overview of replication process for MN implementors                       | Matthew Jones     | 2014-10-02 17:21 | Documentation          |
| 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 |                        |
| 5839 | Member Nodes   | Task    | New         | Normal   | GBIF: Registration in environment   |                   | 2016-07-02 12:45 |                        |
| 5841 | Member Nodes   | Task    | New         | Normal   | GBIF: SSL Certificates  |                   | 2019-01-28 14:40 |                        |
| 5848 | Member Nodes   | Task    | New         | Normal   | GBIF: Synchronization   |                   | 2016-07-02 12:45 |                        |
| 5849 | Member Nodes   | Task    | New         | Normal   | GBIF: Set up synchronization of the MN  |                   | 2016-07-02 12:45 |                        |
| 5850 | Member Nodes   | Task    | New         | Normal   | GBIF: Content Review  |                   | 2016-07-02 12:45 |                        |
| 5851 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify Science Data   |                   | 2016-07-02 12:45 |                        |
| 5852 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify Science Data content   |                   | 2016-07-02 12:45 |                        |
| 5853 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify that the Science Data is returned with the correct HTTP Content-Type |                   | 2016-07-02 12:45 |                        |
| 5854 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify Science Metadata   |                   | 2016-07-02 12:45 |                        |
| 5855 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify Science Metadata content   |                   | 2016-07-02 12:45 |                        |



| #    | Project      | Tracker | Status | Priority | Subject   | Assignee | Updated          | Category |
|------|--------------|---------|--------|----------|---|----------|------------------|----------|
| 5856 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type      |          | 2016-07-02 12:45 |          |
| 5857 | Member Nodes | Task    | New    | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs              |          | 2016-07-02 12:45 |          |
| 5858 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Maps  |          | 2016-07-02 12:45 |          |
| 5859 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map content   |          | 2016-07-02 12:45 |          |
| 5860 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type          |          | 2016-07-02 12:45 |          |
| 5861 | Member Nodes | Task    | New    | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.                   |          | 2016-07-02 12:45 |          |
| 5865 | Member Nodes | Task    | New    | Normal   | GBIF: Log record access   |          | 2016-07-02 12:45 |          |
| 5869 | Member Nodes | Task    | New    | Normal   | GBIF: SSL Certificates  |          | 2016-07-02 12:45 |          |
| 5870 | Member Nodes | Task    | New    | Normal   | GBIF: Generate client certificate.  |          | 2016-07-02 12:45 |          |
| 5871 | Member Nodes | Task    | New    | Normal   | GBIF: Verify successful installation of client side certificate                   |          | 2016-07-02 12:45 |          |
| 5872 | Member Nodes | Task    | New    | Normal   | GBIF: Verify successful installation of server side certificate                   |          | 2016-07-02 12:45 |          |
| 5873 | Member Nodes | Task    | New    | Normal   | GBIF: Register MN   |          | 2016-07-02 12:45 |          |
| 5874 | Member Nodes | Task    | New    | Normal   | GBIF: Set up Node document  |          | 2016-07-02 12:45 |          |
| 5875 | Member Nodes | Task    | New    | Normal   | GBIF: Set the node status to approved (start synchronization)                     |          | 2016-07-02 12:45 |          |
| 5876 | Member Nodes | Task    | New    | Normal   | GBIF: Synchronization   |          | 2016-07-02 12:45 |          |
| 5877 | Member Nodes | Task    | New    | Normal   | GBIF: Set up synchronization of the MN  |          | 2016-07-02 12:45 |          |
| 5878 | Member Nodes | Task    | New    | Normal   | GBIF: Content Review  |          | 2016-07-02 12:45 |          |
| 5879 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data   |          | 2016-07-02 12:45 |          |
| 5880 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data content   |          | 2016-07-02 12:45 |          |
| 5881 | Member Nodes | Task    | New    | Normal   | GBIF: Verify that the Science Data is returned with the correct HTTP Content-Type |          | 2016-07-02 12:45 |          |
| 5882 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata   |          | 2016-07-02 12:45 |          |
| 5883 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata content   |          | 2016-07-02 12:45 |          |
| 5884 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type      |          | 2016-07-02 12:45 |          |
| 5885 | Member Nodes | Task    | New    | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs              |          | 2016-07-02 12:45 |          |
| 5886 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Maps  |          | 2016-07-02 12:45 |          |
| 5887 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map content   |          | 2016-07-02 12:45 |          |
| 5888 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type          |          | 2016-07-02 12:45 |          |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee            | Updated          | Category            |
|------|----------------|---------|-------------|----------|--|---------------------|------------------|---------------------|
| 5889 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.                                |                     | 2016-07-02 12:45 |                     |
| 5890 | Member Nodes   | Task    | New         | Normal   | GBIF: Authentication and Authorization   |                     | 2018-01-22 21:16 |                     |
| 5891 | Member Nodes   | Task    | New         | Normal   | GBIF: Science Data access  |                     | 2016-07-02 12:45 |                     |
| 5892 | Member Nodes   | Task    | New         | Normal   | GBIF: Science Metadata access  |                     | 2016-07-02 12:45 |                     |
| 5893 | Member Nodes   | Task    | New         | Normal   | GBIF: Log record access  |                     | 2016-07-02 12:45 |                     |
| 5896 | Member Nodes   | Task    | New         | Normal   | GBIF: Mutual acceptance  |                     | 2016-07-02 12:45 |                     |
| 5897 | Member Nodes   | Task    | New         | Normal   | GBIF: Verify content available for Current MNs web page  |                     | 2016-07-02 12:45 |                     |
| 5899 | Member Nodes   | Task    | New         | Normal   | GBIF: Create news item   | Amy Forrester       | 2019-01-24 17:10 |                     |
| 5900 | Member Nodes   | Task    | New         | Normal   | GBIF: Formal announcement  |                     | 2016-07-02 12:45 |                     |
| 5988 | Infrastructure | Task    | New         | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                        | Jing Tao            | 2014-07-22 23:18 | Hardware            |
| 6025 | Infrastructure | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack   | Roger Dahl          | 2014-08-01 15:49 |                     |
| 6026 | Infrastructure | Task    | In Progress | Normal   | d1_common CCI 2.0 support  | Roger Dahl          | 2014-08-01 15:49 | d1_common_python    |
| 6033 | Infrastructure | Task    | In Progress | Normal   | d1_libclient_python CCI 2.0 support  | Roger Dahl          | 2014-08-11 16:22 | d1_libclient_python |
| 6034 | Infrastructure | Task    | In Progress | Normal   | d1_client_cli CCI 2.0 support  | Roger Dahl          | 2014-08-11 16:23 | d1_client_cli       |
| 6048 | Member Nodes   | Task    | New         | Normal   | Fix 404 NotFound errors on the EDORA MN  | Jim Green           | 2014-11-24 14:57 |                     |
| 6053 | Member Nodes   | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type                                      | Ranjeet Devarakonda | 2014-11-24 14:57 |                     |
| 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       |
| 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       |
| 6168 | Infrastructure | Task    | New         | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure                                   | Chris Jones         | 2014-08-29 16:01 | d1_cn_service       |
| 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       |
| 6367 | Infrastructure | Task    | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array   | Nick Outin          | 2014-09-08 20:19 | Hardware            |
| 6372 | Infrastructure | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests   | 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      |
| 6376 | Infrastructure | Task    | New         | Normal   | test the new strategy against working ReplicationManager test                                  | Rob Nahf            | 2016-06-22 16:53 | d1_replication      |
| 6378 | Infrastructure | Task    | Testing     | Normal   | code up the new strategy   | Rob Nahf            | 2016-06-22 16:53 | d1_replication      |

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