

## Issues

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|---------------|------------------|------------------------|
| 8582 | CN REST        | Story   | New         | Normal   | Replica Auditing service is throwing errors   | Jing Tao      | 2019-01-14 16:40 | d1_replication_auditor |
| 8864 | CN REST        | Story   | New         | Normal   | Synchronization does not register authoritative replica entry correctly   | Jing Tao      | 2020-06-19 21:59 | d1_synchronization     |
| 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 |
| 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             |
| 8749 | CN REST        | Story   | New         | Normal   | Fix log aggregation events from the CN without associated CN IPs  | Dave Vieglais | 2019-05-01 22:25 |                        |
| 8771 | CN REST        | Story   | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`   | Dave Vieglais | 2019-03-05 19:43 | d1_cn_rest             |
| 8364 | CN REST        | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |               | 2019-05-21 12:57 | d1_portal_servlet      |
| 1644 | DataONE API    | Story   | New         | Normal   | Develop an object format creation policy  |               | 2018-01-17 20:46 |                        |
| 6759 | DataONE API    | Story   | New         | Normal   | ObjectFormat Management   | Dave Vieglais | 2015-01-19 23:17 |                        |
| 8823 | Infrastructure | Story   | New         | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04   | Dave Vieglais | 2019-06-19 02:43 |                        |
| 8173 | Infrastructure | Story   | New         | High     | add checks for retrograde systemMetadata changes  | Jing Tao      | 2018-01-17 18:38 | d1_indexer             |
| 8525 | Infrastructure | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization  | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization     |
| 7668 | Infrastructure | Story   | New         | Normal   | Determine how indexing of data packages should work   | Jing Tao      | 2018-01-17 19:28 | d1_indexer             |
| 8842 | Infrastructure | Story   | New         | Normal   | Some exceptions in Metacat  |               | 2019-09-19 17:53 |                        |
| 6543 | Infrastructure | Story   | New         | Normal   | Support RIF-CS metadata standard  | Dave Vieglais | 2018-01-17 19:46 | Format ID              |
| 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              |
| 8367 | Infrastructure | Story   | New         | Normal   | Duplicate jenkins jobs from UNM to UCSB   | Dave Vieglais | 2019-01-22 19:25 | Support Operations     |
| 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     |
| 8084 | Infrastructure | Story   | New         | Normal   | determine the backup strategy for rabbitMQ  | Rob Nahf      | 2018-01-17 18:46 | d1_indexer             |
| 8082 | Infrastructure | Story   | New         | Normal   | implement SolrCloudClient to replace HttpService to allow concurrent updates of the solr index from differen machines | Rob Nahf      | 2018-01-09 19:10 | d1_indexer             |
| 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             |

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| 7559 | Infrastructure | Story   | New         | Normal   | Develop plan for securing application passwords in the CN stack   | Dave Vieglaiss | 2018-01-17 19:34 | Architecture Design           |
| 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 |
| 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                    |
| 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                |
| 8155 | Infrastructure | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API   | Roger Dahl     | 2018-01-17 18:43 | d1_mn_GMN                     |
| 8081 | Infrastructure | Story   | In Progress | Normal   | develop federated broker configuration for indexing   | Rob Nahf       | 2018-01-17 18:46 | d1_indexer                    |
| 7810 | Infrastructure | Story   | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation  | Rob Nahf       | 2018-01-17 19:09 |                               |
| 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                    |
| 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                    |
| 8061 | Infrastructure | Story   | New         | Normal   | develop queue-based processing system for the CN  | Rob Nahf       | 2018-01-17 19:00 | Architecture Design           |
| 8869 | Infrastructure | Story   | New         | Normal   | Equivalent identities show owning different amount of packages.   | Jing Tao       | 2020-09-24 22:34 | d1_indexer                    |
| 4278 | Infrastructure | Story   | New         | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements  | Jing Tao       | 2018-01-17 20:04 | d1_indexer                    |
| 2944 | Infrastructure | Story   | New         | Normal   | Design and implement a MN kill switch mechanism   | Dave Vieglaiss | 2018-01-17 20:30 | Support Operations            |
| 8366 | Infrastructure | Story   | New         | Normal   | Migrate jenkins continuous integration from UNM to UCSB   | Dave Vieglaiss | 2019-01-22 19:26 | Support Operations            |
| 6883 | Infrastructure | Story   | New         | Normal   | support for ESRI Shapefile object format  |                | 2018-01-17 19:40 | Format ID                     |
| 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                   |
| 7940 | Infrastructure | Story   | New         | Normal   | Retrieval of system metadata is too slow  | Robert Waltz   | 2018-01-09 19:10 | d1_cn_service                 |
| 5141 | Infrastructure | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document  | Dave Vieglaiss | 2018-01-17 19:58 | Documentation                 |
| 8853 | Infrastructure | Story   | New         | Normal   | Make cn.resolve smarter   |                | 2019-11-15 16:50 |                               |
| 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            |
| 8762 | Infrastructure | Story   | New         | Normal   | Add new formats to CN   |                | 2019-02-07 20:03 |                               |
| 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            |
| 8782 | Infrastructure | Story   | New         | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao       | 2019-03-22 18:12 |                               |
| 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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| 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                |
| 8848 | Infrastructure | Story   | New         | Normal   | A minor difference of annotation index between CN and MN  |                | 2019-11-01 21:37 |                               |
| 8806 | Infrastructure | Story   | New         | Normal   | Cleanup from OS upgrades  |                | 2019-05-21 12:45 |                               |
| 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                |
| 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           |
| 8639 | Infrastructure | Story   | New         | Normal   | Replication performance is too slow to service demand   | Chris Jones    | 2018-07-04 11:18 | d1_replication                |
| 8368 | Infrastructure | Story   | New         | Normal   | Update backup strategy for jenkins job configurations to subversion   | Dave Vieglaiss | 2019-01-22 19:25 | Support Operations            |
| 8204 | Infrastructure | Story   | New         | Normal   | Adjust memory allocation for services running under JVM on CNs  |                | 2018-01-09 19:10 |                               |
| 8109 | Infrastructure | Story   | New         | Normal   | Does authentication token need to include group information?  | Dave Vieglaiss | 2018-01-17 18:45 | Authentication, Authorization |
| 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                |
| 7650 | Infrastructure | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy   | Rob Nahf       | 2018-01-17 19:31 | d1_cn_common                  |
| 7859 | Infrastructure | Story   | New         | Normal   | Add formatID for the STL 3d model file format   | Dave Vieglaiss | 2018-01-17 19:04 |                               |
| 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            |
| 3720 | Infrastructure | Story   | New         | Normal   | resource maps should be validated   | Dave Vieglaiss | 2018-01-17 20:17 | Documentation                 |
| 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            |
| 8602 | Infrastructure | Story   | New         | Normal   | Log aggregation and augmentation process mid 2018 updates   | Dave Vieglaiss | 2018-06-07 20:49 | d1_log_aggregation            |
| 8779 | Infrastructure | Story   | New         | Normal   | ForesiteResourceMap performance issue   | Rob Nahf       | 2019-03-25 18:48 | d1_indexer                    |
| 8736 | Infrastructure | Story   | New         | Normal   | Decouple the index generator to the hazelcast system metadata map   |                | 2019-01-22 19:27 | d1_indexer                    |
| 8363 | Infrastructure | Story   | New         | Normal   | indexer shutdown generates index tasks  | Rob Nahf       | 2018-09-24 15:25 | d1_indexer                    |
| 6056 | Infrastructure | Story   | New         | Normal   | remove log aggregation processing from d1-processing Linux service  | Dave Vieglaiss | 2018-01-17 19:55 | d1_log_aggregation            |
| 7605 | Infrastructure | Story   | New         | Normal   | MemberNodes not authorizing CN to harvest log records   | Dave Vieglaiss | 2018-01-17 19:33 | Environment.Productio<br>n    |
| 6071 | Infrastructure | Story   | In Progress | Normal   | Release Notes and documentation   | Dave Vieglaiss | 2018-01-17 19:53 | Documentation                 |
| 8038 | Infrastructure | Story   | In Progress | Normal   | connect logging output to a log analysis tool   | Dave Vieglaiss | 2018-01-17 18:52 | d1_synchronization            |
| 8791 | Infrastructure | Story   | New         | Normal   | Complete deprecation of ONEMercury interface  | Rob Nahf       | 2019-05-01 14:00 | d1_mercury                    |

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| 8849 | Infrastructure | Story   | New         | Normal   | During sync, the CN does not detect error returned from getChecksum()                     | Jing Tao      | 2019-11-06 22:07 |                                  |
| 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                |
| 7712 | Infrastructure | Story   | New         | Normal   | Sanparks fails during LogAggregation  | Laura Moyers  | 2016-04-06 16:43 | Environment.Productio<br>n       |
| 6395 | Infrastructure | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                        | Rob Nahf      | 2018-01-17 19:51 | MNWebChecker                     |
| 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              |
| 4091 | Infrastructure | Story   | New         | Normal   | ESRI GeoPortal MN stack   |               | 2013-10-15 13:36 |                                  |
| 4650 | Infrastructure | Story   | New         | Normal   | Allow MN to bias resolve to the authoritative MN  | Rob Nahf      | 2018-01-17 20:00 | d1_cn_common                     |
| 7882 | Infrastructure | Story   | In Progress | Normal   | Tune CN logfile management  | Dave Vieglais | 2018-01-17 19:03 |                                  |
| 7716 | Infrastructure | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?  | Dave Vieglais | 2018-01-17 19:22 | d1_synchronization               |
| 8097 | Infrastructure | Story   | New         | Normal   | Metacat (storage) and d1-synchronize both have the code to compute the checksum           | Jing Tao      | 2018-01-09 19:10 | d1_synchronization               |
| 4052 | Infrastructure | Story   | In Progress | Normal   | OPeNDAP MN Story  |               | 2013-10-06 20:07 | mn.OPeNDAP                       |
| 7358 | Infrastructure | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 Idap entry                                    | Dave Vieglais | 2016-12-21 09:05 | Authentication,<br>Authorization |
| 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 |                                  |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf      | 2018-01-17 18:39 | d1_indexer                       |
| 7640 | Infrastructure | Story   | New         | Normal   | ONEShare failing with ServiceFailure  | Laura Moyers  | 2016-02-12 16:39 | Environment.Productio<br>n       |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing                           | Rob Nahf      | 2018-01-17 20:03 | d1_replication                   |
| 3656 | Infrastructure | Story   | New         | Normal   | integration testing: what are acceptable pids for update?                                 | Roger Dahl    | 2018-01-17 20:22 |                                  |
| 8207 | Infrastructure | Story   | New         | Normal   | review and adjust memory allocated to d1-processing                                       |               | 2018-01-09 19:10 |                                  |
| 8851 | Infrastructure | Story   | New         | Normal   | CN sends error doc with "pid" to v2 endpoint  | Jing Tao      | 2019-11-06 22:31 | d1_synchronization               |
| 8162 | Infrastructure | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes                                | Rob Nahf      | 2018-03-02 21:47 | d1_replication                   |
| 2548 | Infrastructure | Story   | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users            |               | 2018-01-17 20:36 | Authentication,<br>Authorization |
| 8758 | Infrastructure | Story   | New         | Normal   | Index replicationStatus field   | Jing Tao      | 2019-01-14 18:00 | d1_indexer                       |
| 7183 | Infrastructure | Story   | New         | Normal   | Update wild card server certificate on all test.dataone.org systems                       | Dave Vieglais | 2015-06-15 15:10 | Support Operations               |
| 3591 | Infrastructure | Story   | In Progress | Normal   | Content consistency checks for new member nodes   | Rob Nahf      | 2018-01-17 20:23 | MNWebChecker                     |

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| 7920 | Infrastructure | Story   | In Progress | Normal   | migrate apache2 authorization rules from 2.2 conforming to 2.4                            | Dave Vieglais | 2018-01-17 18:59 | d1_cn_buildout          |
| 7611 | Infrastructure | Story   | New         | Normal   | ORNLDAPAC fails during log aggregation  | Laura Moyers  | 2016-01-26 16:39 | Environment.Production  |
| 7224 | Infrastructure | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option            |               | 2018-01-17 19:38 | Architecture Design     |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue                               | Rob Nahf      | 2018-10-30 04:10 | d1_indexer              |
| 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 |
| 8167 | Infrastructure | Story   | New         | Normal   | Enable postgres replication between Coordinating Nodes                                    | Monica Ihli   | 2018-01-09 19:10 | dataone-cn-os-core      |
| 6069 | Infrastructure | Story   | New         | Normal   | open ask.dataone.org sign-in to community   | Dave Vieglais | 2014-10-01 20:39 | Documentation           |
| 725  | Infrastructure | Story   | In Progress | Normal   | Create Authentication and Access control design specifications                            | Dave Vieglais | 2018-01-17 20:52 | Documentation           |
| 8702 | Infrastructure | Story   | New         | Normal   | Indexing Refactor Strategy  | Rob Nahf      | 2018-09-24 18:05 | d1_indexer              |
| 7889 | Infrastructure | Story   | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.                  | Rob Nahf      | 2018-01-17 19:01 | d1_synchronization      |
| 8862 | Infrastructure | Story   | New         | Normal   | Deploy a new dataone-cn-rest release  | Jing Tao      | 2020-04-23 16:24 |                         |
| 4188 | Infrastructure | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification                    | Dave Vieglais | 2018-01-17 20:05 | d1_schemas              |
| 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              |
| 8734 | Infrastructure | Story   | New         | Normal   | Hazelcast shutdown tied to out of memory exception!                                       | Rob Nahf      | 2018-10-18 16:55 | Metacat                 |
| 7807 | Infrastructure | Story   | New         | Low      | cn.synchronize should support synchronization failure corrections.                        |               | 2018-01-17 19:15 | Architecture Design     |
| 6850 | Java Client    | Story   | New         | Normal   | automate Java Client releases   | Rob Nahf      | 2018-01-17 19:42 | d1_libclient_java       |
| 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       |
| 5895 | Member Nodes   | Story   | New         | Normal   | GBIF: Transition to production  |               | 2018-01-22 18:41 |                         |
| 5838 | Member Nodes   | Story   | New         | Normal   | GBIF: Testing   |               | 2019-01-28 14:39 |                         |
| 8535 | Member Nodes   | Story   | In Progress | Normal   | Neotoma: Story: Discovery & Planning  | Amy Forrester | 2018-04-09 21:14 |                         |
| 8358 | Member Nodes   | Story   | In Progress | Normal   | Discovery & Planning (CAFF)   | Amy Forrester | 2018-04-06 14:56 |                         |
| 8819 | Member Nodes   | Story   | New         | Normal   | IEDA documents not in DataONE   |               | 2019-06-13 19:20 |                         |
| 8727 | Member Nodes   | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |               | 2019-01-22 18:34 |                         |
| 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 |                         |
| 8213 | Member Nodes   | Story   | New         | Normal   | KUBI node is not responding as a MN   | Dave Vieglais | 2017-11-06 22:18 |                         |

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| 8634 | Member Nodes     | Story   | New         | Normal   | DAAC: Testing & Development   | Dave Vieglais | 2018-07-02 14:55 |          |
| 8521 | Member Nodes     | Story   | New         | Normal   | CAFF: Testing & Development   |               | 2018-04-06 15:17 |          |
| 8225 | Member Nodes     | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea   | Rob Nahf      | 2018-05-17 14:30 |          |
| 8568 | Member Nodes     | Story   | New         | Normal   | (CyVerse) Move to production  |               | 2018-04-23 21:18 |          |
| 5833 | Member Nodes     | Story   | In Progress | Normal   | GBIF: Developing  |               | 2019-02-19 18:24 |          |
| 8589 | Member Nodes     | Story   | New         | Normal   | ARM: Re-Discovery & Planning  |               | 2018-05-10 21:44 |          |
| 8564 | Member Nodes     | Story   | New         | Normal   | (CyVerse) Testing & Development   | Rob Nahf      | 2018-07-02 19:56 |          |
| 8244 | Member Nodes     | Story   | New         | Normal   | Upgrade Member Node to current version of Metacat (IOE)                                     | Amy Forrester | 2018-01-25 15:36 |          |
| 5867 | Member Nodes     | Story   | New         | Normal   | GBIF: Registration in Production environment  |               | 2019-01-24 17:08 |          |
| 8832 | Member Nodes     | Story   | New         | Normal   | Conflict between pyshacl and owl on ubuntu  | John Evans    | 2019-08-05 19:32 |          |
| 8831 | Member Nodes     | Story   | New         | Normal   | Import error with schema_org.data   | John Evans    | 2019-08-05 18:57 |          |
| 8833 | Member Nodes     | Story   | New         | Normal   | Problems utilizing pyshacl within SlenderNodes  | John Evans    | 2019-08-09 18:20 |          |
| 8683 | Member Nodes     | Story   | New         | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN  | John Evans    | 2019-05-15 14:03 |          |
| 7166 | OGC-Slender Node | Story   | New         | Normal   | Create ORE document for an NODC data package  | Dave Vieglais | 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 Vieglais | 2015-06-08 21:28 |          |
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content  | Dave Vieglais | 2015-06-08 18:58 |          |
| 7146 | OGC-Slender Node | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services                               | Dave Vieglais | 2015-06-05 13:37 |          |
| 7149 | OGC-Slender Node | Story   | Testing     | Normal   | Implement mechanism to retrieve a list of objects available from repository                 | Dave Vieglais | 2015-06-05 13:37 |          |
| 8074 | Python GMN       | Story   | New         | Normal   | Eliminate unnecessary setuid/setgid programs  | Roger Dahl    | 2018-01-17 18:48 |          |
| 8073 | Python GMN       | Story   | New         | Normal   | Make sure unnecessary services are disabled   | Roger Dahl    | 2018-01-17 18:48 |          |
| 8032 | Python GMN       | Story   | In Progress | Normal   | GMN v2  | Roger Dahl    | 2018-01-17 18:55 |          |
| 7219 | Python GMN       | Story   | In Progress | Normal   | Upgrade Django version used by GMN, add better support for PUT operations                   | Dave Vieglais | 2016-03-25 01:24 |          |
| 7095 | Python GMN       | Story   | New         | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model         | Dave Vieglais | 2016-03-25 02:30 |          |
| 6796 | Python Libraries | Story   | New         | Normal   | Migrate to Python v3  | Roger Dahl    | 2018-01-17 19:43 |          |

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| 5468 | Python Libraries      | Story   | New         | Low      | Remove dead code from D1 Python stack   | Roger Dahl     | 2018-01-17 19:57 |                        |
| 8574 | Search UI             | Story   | New         | Normal   | PANGAEA Temporary Fix: SID only in Data Citation  | Bryce Mecum    | 2018-05-01 01:45 |                        |
| 7754 | Search UI             | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats   | Bryce Mecum    | 2018-05-17 14:18 | MetacatUI              |
| 8340 | Testing MN Management | Story   | New         | Normal   | Discovery   |                | 2018-02-08 15:28 |                        |
| 8463 | Testing MN Management | Story   | New         | Normal   | test: Testing & Development   |                | 2018-03-01 21:04 |                        |
| 8381 | Testing MN Management | Story   | New         | Normal   | Discovery   |                | 2018-02-27 17:32 |                        |
| 8347 | Testing MN Management | Story   | New         | Normal   | Testing & Development   |                | 2018-02-08 15:28 |                        |
| 8343 | Testing MN Management | Story   | New         | Normal   | Planning  |                | 2018-02-08 15:28 |                        |
| 8515 | Testing MN Management | Story   | New         | Normal   | meow: Move to Production  |                | 2018-03-22 20:45 |                        |
| 8352 | Testing MN Management | Story   | New         | Normal   | Move to Production  |                | 2018-02-08 15:28 |                        |
| 8778 | CN REST               | Task    | New         | Normal   | Ensure SystemMetadata replica auditing updates are saved and broadcast                                  | Chris Jones    | 2019-03-12 16:54 | d1_replication_auditor |
| 7903 | CN REST               | Task    | New         | Normal   | Need to implement/support the default http methods - HEAD and GET on all DataONE API (both cn and mn)   | Jing Tao       | 2016-10-10 16:53 | d1_cn_rest             |
| 8776 | CN REST               | Task    | New         | Normal   | Set valid replica status to completed   | Chris Jones    | 2019-03-12 15:57 | d1_replication_auditor |
| 1479 | CN REST               | Task    | In Progress | Normal   | Design web UI for validating newly created identities   | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 8810 | CN REST               | Task    | New         | Normal   | Verify configuration of portal certificates   |                | 2019-05-21 13:00 |                        |
| 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 |                        |
| 7750 | CN REST               | Task    | New         | Normal   | apply business rules on the CN that Subject strings will be stripped of leading and trailing whitespace |                | 2016-04-26 17:30 |                        |
| 7096 | CN REST               | Task    | New         | Normal   | Unexpectedly closed streams / disconnects on UNM network  | Dave Vieglais  | 2015-05-12 17:49 |                        |
| 1412 | CN REST               | Task    | New         | Normal   | MN health check performed by CN   | Robert Waltz   | 2015-01-19 23:06 |                        |
| 2415 | CN REST               | Task    | New         | Normal   | Implement exceptions for log endpoint   | Robert Waltz   | 2015-01-19 22:49 |                        |
| 2414 | CN REST               | Task    | New         | Normal   | Implement exceptions for search/solr endpoint   | Skye Roseboom  | 2015-01-19 22:49 |                        |
| 7849 | CN REST               | Task    | New         | Normal   | Improve exception messages when cascading SSL derived exceptions  | Rob Nahf       | 2016-07-19 17:23 |                        |

| #    | Project     | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|-------------|---------|-------------|----------|--|----------------|------------------|------------------------|
| 8469 | CN REST     | Task    | In Progress | Normal   | evaluate if ORCID API will continue to work after 1.2 is deprecated  | Jing Tao       | 2018-03-22 16:54 | d1_portal_servlet      |
| 2168 | CN REST     | Task    | New         | Normal   | Design UI for identity validation  | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 8809 | CN REST     | Task    | New         | Normal   | Adjust portal.properties for certificate configuration   |                | 2019-05-21 12:57 |                        |
| 7571 | CN REST     | Task    | New         | Normal   | Description for error code 401, detail code 4957 is misleading in some cases   |                | 2016-01-05 16:25 |                        |
| 8777 | CN REST     | Task    | New         | Normal   | Configure CN to audit objects greater than 1GB   | Chris Jones    | 2019-03-13 20:50 | d1_replication_auditor |
| 7911 | CN REST     | Task    | New         | Normal   | Synchronization allows invalid checksums, preventing corrected sync  |                | 2016-10-17 15:58 | d1_synchronization     |
| 7839 | DataONE API | Task    | New         | Normal   | Online documentation places synchronize in CNRead api  | Dave Vieglais  | 2016-12-21 09:04 | api_documentation      |
| 8528 | DataONE API | Task    | New         | Normal   | Add MNRead.getVersions, CNRead.getVersions   |                | 2018-04-03 19:26 |                        |
| 7127 | DataONE API | Task    | New         | Normal   | Finalize CNAAuthentication interface   | Dave Vieglais  | 2015-05-21 19:31 | api_documentation      |
| 1443 | DataONE API | Task    | New         | Normal   | Identify operational requirements for monitoring and logging   | Dave Vieglais  | 2015-01-19 23:06 |                        |
| 1442 | DataONE API | Task    | New         | Normal   | Identify monitoring and logging use cases and requirements   | Dave Vieglais  | 2015-01-19 23:06 |                        |
| 7838 | DataONE API | Task    | New         | Normal   | Modify the obsolescence chain process to accommodate the use case where both old and new PIDs are present on the CN for v1 MNs               | Dave Vieglais  | 2016-06-29 02:20 |                        |
| 8529 | DataONE API | Task    | New         | Normal   | Add field to Solr index that includes the obsolescence chain   |                | 2018-04-10 05:21 |                        |
| 7476 | DUG         | Task    | New         | Normal   | Do we need an event management system to better organize the DUG?  |                | 2015-11-09 22:43 |                        |
| 7473 | DUG         | Task    | New         | Normal   | Draft 2016 DUG annual meeting brochure   |                | 2015-11-09 22:38 |                        |
| 7862 | DUG         | Task    | New         | Normal   | DataONE DUG page may need updating ( <a href="https://www.dataone.org/dataone-users-group">https://www.dataone.org/dataone-users-group</a> ) |                | 2016-08-08 15:00 |                        |
| 7925 | DUG         | Task    | New         | Normal   | Data Center certification  |                | 2016-11-08 21:33 |                        |
| 7532 | DUG         | Task    | New         | Normal   | Registration Form for 2016.  |                | 2015-12-08 21:30 |                        |
| 7863 | DUG         | Task    | New         | Normal   | Link to the recordings   |                | 2016-08-09 20:40 |                        |
| 7524 | DUG         | Task    | New         | Normal   | Explore crowd sourcing for future DUG marketing effort   |                | 2015-12-07 22:25 |                        |
| 7907 | DUG         | Task    | New         | Normal   | Doodle poll on the time/date for monthly meeting   |                | 2016-10-11 20:35 |                        |
| 7474 | DUG         | Task    | New         | Normal   | Draft generic letter of invitation that DUG SC can carry and distribute widely.  |                | 2015-11-09 22:38 |                        |
| 7533 | DUG         | Task    | New         | Normal   | Create DUG 2016 Meeting page   |                | 2015-12-08 21:44 |                        |
| 7908 | DUG         | Task    | New         | Normal   | Start a lesson learned document  |                | 2016-10-11 20:35 |                        |
| 7531 | DUG         | Task    | New         | Normal   | Quote request for EAB meeting  |                | 2015-12-08 20:13 |                        |
| 7525 | DUG         | Task    | New         | Normal   | assessment effort update   |                | 2015-12-07 22:25 |                        |
| 7909 | DUG         | Task    | New         | Normal   | DataONE update audio/visual equipment for remote link  |                | 2016-10-11 20:49 |                        |
| 7864 | DUG         | Task    | New         | Normal   | DOI Services for Members   |                | 2016-08-09 20:40 |                        |



| #    | Project        | Tracker | Status      | Priority  | Subject   | Assignee      | Updated          | Category            |
|------|----------------|---------|-------------|-----------|---|---------------|------------------|---------------------|
| 7926 | DUG            | Task    | New         | Normal    | Certification and standards for data repositories (e.g. ISO 17421:2012, Data Seal of Approval)  |               | 2016-11-08 22:00 |                     |
| 7475 | DUG            | Task    | New         | Normal    | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC  |               | 2015-11-09 22:38 |                     |
| 7800 | DUG            | Task    | New         | Normal    | abstract reviews<br>( <a href="https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KV04TeahHVA/edit">https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KV04TeahHVA/edit</a> ) |               | 2016-05-10 15:18 |                     |
| 7484 | DUG            | Task    | New         | Normal    | DUG Agenda  |               | 2015-11-10 21:39 |                     |
| 4210 | Infrastructure | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()  | Chris Jones   | 2013-12-20 16:12 | Metacat             |
| 8026 | Infrastructure | Task    | Testing     | High      | Portal reaches the maximum capacity in a pool   | Jing Tao      | 2017-03-14 00:36 | d1_portal_servlet   |
| 8824 | Infrastructure | Task    | In Progress | High      | Install Apache 2.4.39 and disable TLSv1.3 on CNs  | Dave Vieglais | 2019-06-19 12:11 |                     |
| 1556 | Infrastructure | Task    | In Progress | High      | Interns mailing list  |               | 2011-05-12 23:02 |                     |
| 2033 | Infrastructure | Task    | New         | Normal    | Document hardware / CN administrators and their contact info  | Dave Vieglais | 2014-09-24 18:29 | Management          |
| 2031 | Infrastructure | Task    | New         | Normal    | Document the structure and interconnections of VM host hardware at UCSB   | Nick Outin    | 2014-09-24 18:29 | Hardware            |
| 1073 | Infrastructure | Task    | New         | Normal    | Design client application authentication redirection approach   | Matthew Jones | 2014-10-01 20:47 | d1_identity_manager |
| 8514 | Infrastructure | Task    | New         | Normal    | deploy new Metacat / synchronization slows down because of increased cn.create times  | Rob Nahf      | 2018-03-22 17:07 | d1_synchronization  |
| 1061 | Infrastructure | Task    | In Progress | Normal    | Identify approach to IdentityMapping  | Matthew Jones | 2014-10-01 20:47 |                     |
| 2029 | Infrastructure | Task    | New         | Normal    | Document VM specifications for replication MNs  | Dave Vieglais | 2014-09-24 18:29 | Management          |
| 6514 | Infrastructure | Task    | New         | Normal    | Reharvest all Records to build initial cache  | Robert Waltz  | 2015-01-13 15:56 | d1_log_aggregation  |
| 8807 | Infrastructure | Task    | New         | Normal    | remove old versions of postgres   |               | 2019-05-21 12:47 |                     |
| 1048 | Infrastructure | Task    | In Progress | Normal    | Write authorization system specification  | Matthew Jones | 2014-10-01 20:47 |                     |
| 8808 | Infrastructure | Task    | New         | Normal    | Remove old versions of Tomcat   |               | 2019-05-21 12:49 |                     |
| 6565 | Infrastructure | Task    | New         | Normal    | Configure Jenkins jobs for ezid (ezid-client)   | Rob Nahf      | 2014-12-15 18:36 |                     |
| 1047 | Infrastructure | Task    | In Progress | Normal    | Write Authentication system specification   | Matthew Jones | 2014-10-01 20:47 |                     |
| 1983 | Infrastructure | Task    | New         | Normal    | UC04 describes MNCORE.ping() with discovery capability  | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 8066 | Infrastructure | Task    | New         | Normal    | Verify completeness of unit test MetacatRdfXmlSubprocessorTest  | Dave Vieglais | 2017-04-11 23:47 | d1_indexer          |
| 8804 | Infrastructure | Task    | New         | Normal    | Add ldap backup config to cn os-core  | Dave Vieglais | 2019-05-21 12:32 | dataone-cn-os-core  |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category            |
|------|----------------|---------|-------------|----------|---|----------------|------------------|---------------------|
| 1961 | Infrastructure | Task    | New         | Normal   | Types.ErrorMessage - does not exist   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 6367 | Infrastructure | Task    | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array  | Nick Outin     | 2014-09-08 20:19 | Hardware            |
| 3315 | Infrastructure | Task    | New         | Normal   | CNRead.query() - POST in addition to GET  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 3438 | Infrastructure | Task    | New         | Normal   | Evaluate utility of schema.org  |                | 2012-12-21 16:15 | Documentation       |
| 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       |
| 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  |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs   |                | 2010-10-21 14:55 |                     |
| 8753 | Infrastructure | Task    | New         | Normal   | Add support for EML 2.2 (indexing, view)  | Bryce Mecum    | 2018-12-19 00:54 |                     |
| 2791 | Infrastructure | Task    | New         | Normal   | verify on dev machines  | Dave Vieglaiss | 2012-05-21 17:41 | d1_cn_buildout      |
| 8755 | Infrastructure | Task    | New         | Normal   | Expand EML indexing support for EML 2.2   | Bryce Mecum    | 2019-08-15 01:50 |                     |
| 995  | Infrastructure | Task    | New         | Normal   | implement JSON formatted OLLs   |                | 2010-10-25 16:45 |                     |
| 6034 | Infrastructure | Task    | In Progress | Normal   | d1_client_cli CCI 2.0 support   | Roger Dahl     | 2014-08-11 16:23 | d1_client_cli       |
| 6033 | Infrastructure | Task    | In Progress | Normal   | d1_libclient_python CCI 2.0 support   | Roger Dahl     | 2014-08-11 16:22 | d1_libclient_python |
| 3313 | Infrastructure | Task    | New         | Normal   | Configure indexer to handle inline eml data   | Skye Roseboom  | 2012-10-08 21:01 | d1_indexer          |
| 1890 | Infrastructure | Task    | New         | Normal   | Comply with Maven Central requirements for publishing artifacts   | Matthew Jones  | 2011-10-27 21:39 |                     |
| 1808 | Infrastructure | Task    | New         | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()  |                | 2011-10-04 16:08 |                     |
| 1035 | Infrastructure | Task    | In Progress | Normal   | Develop reference architecture documents  | Bruce Wilson   | 2011-03-03 19:26 | 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       |
| 6843 | Infrastructure | Task    | In Progress | Normal   | Update the prov instance of the RdfXmlSubprocessor to index renamed and inverse provenance properties           | Chris Jones    | 2017-03-28 16:16 | d1_indexer          |
| 7538 | Infrastructure | Task    | New         | Normal   | look at nodeFactory in how it builds mock CNodes  | Rob Nahf       | 2015-12-10 17:03 | d1_libclient_java   |
| 1986 | Infrastructure | Task    | New         | Normal   | Update UC04 to use correct CN method for determining if a PID exists  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 3371 | Infrastructure | Task    | New         | Normal   | unmarshalTypeFromFile method is using FileReader  |                | 2012-10-29 19:15 |                     |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category            |
|------|----------------|---------|-------------|----------|--|----------------|------------------|---------------------|
| 3373 | Infrastructure | Task    | New         | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.  |                | 2012-11-06 02:05 |                     |
| 2018 | Infrastructure | Task    | New         | Normal   | document DataONE CA operations procedures  | Matthew Jones  | 2012-04-23 17:53 | Support Operations  |
| 7279 | Infrastructure | Task    | New         | Normal   | MN implementation documentation - need document management solution                                  | Dave Vieglais  | 2015-07-28 22:24 | Documentation       |
| 3380 | Infrastructure | Task    | New         | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x  | Dave Vieglais  | 2012-12-12 16:50 |                     |
| 1762 | Infrastructure | Task    | New         | Normal   | Sketch CN components and associations  | Dave Vieglais  | 2014-10-02 17:40 |                     |
| 5988 | Infrastructure | Task    | New         | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                              | Jing Tao       | 2014-07-22 23:18 | Hardware            |
| 8604 | Infrastructure | Task    | New         | Normal   | Update the static IP lists for robots etc  | Dave Vieglais  | 2018-06-07 20:56 | d1_log_aggregation  |
| 7822 | Infrastructure | Task    | New         | Normal   | Should we configure clients to use Expect 100-Continue header in 1.1 requests                        | Rob Nahf       | 2016-06-03 19:46 | d1_libclient_java   |
| 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       |
| 1671 | Infrastructure | Task    | New         | Normal   | Need folder for DUG, accessible by DUG members   | Matthew Jones  | 2011-07-12 12:09 | Support Operations  |
| 8362 | Infrastructure | Task    | New         | Normal   | Add the indication that the cn account list is sliced  |                | 2018-02-12 17:48 |                     |
| 7537 | Infrastructure | Task    | New         | Normal   | add nodelist refreshes to NodeLocator classes  | Rob Nahf       | 2015-12-10 16:59 | d1_libclient_java   |
| 8739 | Infrastructure | Task    | In Progress | Normal   | Attempting to set ulimit results in error on UCSB systems  | Jing Tao       | 2018-11-08 15:10 | d1_process_daemon   |
| 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 |                     |
| 6754 | Infrastructure | Task    | New         | Normal   | Architecture API loose ends  | Dave Vieglais  | 2015-01-13 18:54 | Architecture Design |
| 925  | Infrastructure | Task    | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                      |                | 2011-10-31 20:32 | d1_client_ONEDrive  |
| 1651 | Infrastructure | Task    | New         | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                               |                | 2016-06-22 16:51 |                     |
| 7935 | Infrastructure | Task    | New         | Normal   | Use a dedicated hazelcast queue as the listener to generate index task                               | Jing Tao       | 2017-02-27 18:07 | d1_indexer          |
| 7922 | Infrastructure | Task    | New         | Normal   | DataONE Accessibility  | Isis Serna     | 2016-10-31 23:05 |                     |
| 1650 | Infrastructure | Task    | New         | Normal   | Update d1_cn_service ProxyCNCOREService and CNCOREController to include addFormat()                  |                | 2016-06-22 16:51 |                     |
| 6760 | Infrastructure | Task    | New         | Normal   | rename mnDemo9 node  |                | 2015-01-14 00:44 |                     |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|----------|--|-------------------|------------------|------------------------|
| 7949 | Infrastructure | Task    | New         | Normal   | Ensure that there's no race condition where an entry can be added to "IN PROCESS" if it is already present | Jing Tao          | 2017-02-27 17:55 |                        |
| 1649 | Infrastructure | Task    | New         | Normal   | Update Metacat's CNCOREImpl to include addFormat()   |                   | 2016-06-22 16:51 |                        |
| 5531 | Infrastructure | Task    | Testing     | Normal   | Provide overview of replication process for MN implementors  | Matthew Jones     | 2014-10-02 17:21 | Documentation          |
| 7744 | Infrastructure | Task    | New         | Normal   | put together initial design  |                   | 2016-06-22 17:19 |                        |
| 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 |
| 8369 | Infrastructure | Task    | New         | Normal   | Verify operation and transfer DNS  | Dave Vieglais     | 2018-02-15 17:40 |                        |
| 6706 | Infrastructure | Task    | New         | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"                            | Robert Waltz      | 2015-10-09 17:38 | Environment.Sandbox    |
| 1646 | Infrastructure | Task    | New         | Normal   | Add addFormat() to the CNCORE API  |                   | 2016-06-22 16:51 |                        |
| 7850 | Infrastructure | Task    | New         | Normal   | Passing SID to MNRead.systemMetadataChanged()  | Dave Vieglais     | 2016-07-20 20:00 |                        |
| 6761 | Infrastructure | Task    | New         | Normal   | unregister extraneous nodes in STAGE-2   |                   | 2015-01-14 00:49 | Environment.Stage2     |
| 7958 | Infrastructure | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN                                      | Rob Nahf          | 2017-01-04 17:23 | d1_synchronization     |
| 7910 | Infrastructure | Task    | New         | Normal   | schema validation behavior   | Rob Nahf          | 2018-01-18 02:41 | d1_common_java         |
| 5137 | Infrastructure | Task    | New         | Normal   | Fix DataONE CA chain file location in cn-buildout  | Chris Jones       | 2014-04-25 15:06 | d1_cn_buildout         |
| 5136 | Infrastructure | Task    | New         | Normal   | Change DNS settings on all DataONE VMs   | Chris Jones       | 2014-05-08 03:16 | Environment.Production |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages  | Rob Nahf          | 2012-10-16 21:34 | d1_integration         |
| 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 |                        |
| 4722 | Infrastructure | Task    | New         | Normal   | Clarify permissions for CN   | Dave Vieglais     | 2014-10-02 17:21 |                        |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate  | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 3166 | Infrastructure | Task    | New         | Normal   | Add d1_common_java and d1_libclient_java and their dependency jar  |                   | 2012-08-31 17:15 |                        |
| 4715 | Infrastructure | Task    | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN   | Chris Jones       | 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 |
| 4712 | Infrastructure | Task    | New         | Normal   | replace SSL cert for cn-ucsb-1.dataone.org   |                   | 2014-09-24 18:14 |                        |
| 4711 | Infrastructure | Task    | New         | Normal   | replace SSL Certs for cn-unm-1.dataone.org   |                   | 2014-09-24 18:14 |                        |
| 8105 | Infrastructure | Task    | New         | Normal   | Remove dataone-mercury from production CNs   | Jing Tao          | 2018-03-02 22:17 | d1_mercury             |
| 3142 | Infrastructure | Task    | New         | Normal   | Need a new local search mechanism  |                   | 2013-03-02 05:15 |                        |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee          | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---|-------------------|------------------|-------------------------------|
| 4704 | Infrastructure | Task    | New         | Normal   | Create a view of MN holdings from a CN perspective  | Dave Vieglaiss    | 2014-04-09 15:33 |                               |
| 4675 | Infrastructure | Task    | New         | Normal   | Administratively delete those pids with the white spaces  |                   | 2014-09-24 18:09 |                               |
| 3115 | Infrastructure | Task    | New         | Normal   | Get R client into working state.  | Andrew Pippin     | 2012-08-02 17:32 |                               |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2   | Andrew Pippin     | 2012-08-02 17:27 |                               |
| 8238 | Infrastructure | Task    | New         | Normal   | Document contacts and procedure for using KU ORCID membership API key                                     | Dave Vieglaiss    | 2018-01-09 02:22 | Authentication, Authorization |
| 8499 | Infrastructure | Task    | New         | Normal   | Improve rendering of http://www.isotc211.org/2005/gmd-pangaea in search UI                                |                   | 2018-05-01 01:07 |                               |
| 1527 | Infrastructure | Task    | New         | Normal   | Allow AccessPolicy to be set for groups   | Matthew Jones     | 2014-10-01 20:47 |                               |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents  | Ben Leinfelder    | 2012-07-31 01:34 |                               |
| 3108 | Infrastructure | Task    | New         | Normal   | lastHarvested date is always equal to the current time.   | Dave Vieglaiss    | 2012-07-30 22:11 |                               |
| 8754 | Infrastructure | Task    | New         | Normal   | Add EML 2.2 to CN formats list  | Bryce Mecum       | 2018-12-19 00:54 |                               |
| 6876 | Infrastructure | Task    | New         | Normal   | Support for ISO 19139 metadata standard   |                   | 2015-03-10 17:27 | Format ID                     |
| 1521 | Infrastructure | Task    | New         | Normal   | Compressed Response   |                   | 2011-05-04 14:35 |                               |
| 8308 | Infrastructure | Task    | New         | Normal   | Review use of /node/subject in the node documents   |                   | 2018-02-06 20:05 |                               |
| 3082 | Infrastructure | Task    | New         | Normal   | Morpho should not rely on CN for any critical features  |                   | 2013-03-02 05:26 | Morpho                        |
| 1520 | Infrastructure | Task    | New         | Normal   | Stream Output   |                   | 2011-05-04 14:35 |                               |
| 3080 | Infrastructure | Task    | New         | Normal   | Calling Dataone client library in morpho  |                   | 2013-03-02 05:28 |                               |
| 7177 | Infrastructure | Task    | New         | Normal   | Develop video documentation for certificate management  | Dave Vieglaiss    | 2015-06-10 01:33 | Documentation                 |
| 8230 | Infrastructure | Task    | New         | Normal   | review bouncy castle version  | Rob Nahf          | 2018-03-02 21:48 | d1_libclient_java             |
| 1519 | Infrastructure | Task    | New         | Normal   | HTTP Byte Range Requests  |                   | 2011-05-04 14:34 |                               |
| 7890 | Infrastructure | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories  | Rob Nahf          | 2017-04-19 19:12 |                               |
| 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            |
| 1518 | Infrastructure | Task    | New         | Normal   | How to support caching  |                   | 2011-05-04 14:33 |                               |
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats   | Ben Leinfelder    | 2012-08-14 23:41 |                               |
| 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.Productio<br>n    |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|----------------|------------------|-------------------------------|
| 1502 | Infrastructure | Task    | New         | Normal   | Fix hierarchy of permission levels.  | Matthew Jones  | 2014-10-01 20:47 | Documentation                 |
| 8237 | Infrastructure | Task    | New         | Normal   | Configure production environment to use new API key under KU ORCID membership                | Dave Vieglaiss | 2018-01-09 02:21 | Authentication, Authorization |
| 8811 | Infrastructure | Task    | New         | Normal   | Merge 2.3.9 changes to trunk   | Jing Tao       | 2019-05-21 13:06 |                               |
| 1494 | Infrastructure | Task    | New         | Normal   | Create sequence diagrams for Authentication services.  | Matthew Jones  | 2014-10-01 20:47 |                               |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                                       | Rob Nahf       | 2014-10-01 22:04 | d1_integration                |
| 7641 | Infrastructure | Task    | New         | Normal   | contact ONEShare   | Laura Moyers   | 2016-02-12 16:40 | Environment.Production        |
| 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                   |
| 2896 | Infrastructure | Task    | New         | Normal   | Modify the admin DN in createObjectformat script per environment                             | Chris Jones    | 2012-10-05 14:23 | d1_cn_buildout                |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map  | Chris Jones    | 2014-03-31 17:41 | d1_dashboard                  |
| 8746 | Infrastructure | Task    | New         | Normal   | Require email address from user when logging in via ORCID                                    |                | 2018-11-16 05:57 |                               |
| 8078 | Infrastructure | Task    | New         | Normal   | standardize task serialization for language independence                                     | Rob Nahf       | 2017-04-25 22:39 | d1_indexer                    |
| 2826 | Infrastructure | Task    | New         | Normal   | MNStorage.archive() - Permissions  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 1484 | Infrastructure | Task    | New         | Normal   | Decide on format for Principals  | Matthew Jones  | 2014-10-01 20:47 |                               |
| 7466 | Infrastructure | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API   | Chris Jones    | 2015-11-05 16:11 | Metacat                       |
| 4102 | Infrastructure | Task    | New         | Normal   | Add expiration policy for CNCore.reserveldentifier()   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 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            |
| 7884 | Infrastructure | Task    | New         | Normal   | CN portal log is misconfigured   | Rob Nahf       | 2016-09-09 20:18 | d1_portal_servlet             |
| 8235 | Infrastructure | Task    | New         | Normal   | Arrange with KU library to make use of ORCID membership to support DataONE authentication    | Dave Vieglaiss | 2018-01-09 02:01 |                               |
| 2794 | Infrastructure | Task    | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 1474 | Infrastructure | Task    | New         | Normal   | Design verification process for new accounts   | Matthew Jones  | 2014-10-01 20:47 |                               |
| 2793 | Infrastructure | Task    | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header        | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN   | Dave Vieglaiss | 2013-10-06 20:11 | mn.OPeNDAP                    |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---|---------------|------------------|-------------------------------|
| 1473 | Infrastructure | Task    | New         | Normal   | Make default access policy explicit in Authz docs.  | Matthew Jones | 2014-10-01 20:47 |                               |
| 2688 | Infrastructure | Task    | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison    | Dave Vieglais | 2014-09-24 18:27 | Documentation                 |
| 8224 | Infrastructure | Task    | New         | Normal   | metacat not promoting node token privs for solr   | Jing Tao      | 2017-12-04 19:33 | Metacat                       |
| 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            |
| 1472 | Infrastructure | Task    | New         | Normal   | Explain revocation policies via MN curator.   | Matthew Jones | 2014-10-01 20:47 |                               |
| 2664 | Infrastructure | Task    | New         | Normal   | Create documentation for how transitivity is enacted for authorization                          | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 8222 | Infrastructure | Task    | New         | Normal   | reindex all isotc211 content in production to reflect final decisions from origin field mapping | Dave Vieglais | 2018-03-22 16:56 | d1_indexer                    |
| 7883 | Infrastructure | Task    | New         | Normal   | Document the log files of relevance on Coordinating Nodes                                       |               | 2016-09-09 20:20 |                               |
| 4059 | Infrastructure | Task    | New         | Normal   | Add test to verify node is reporting correct nodeId in log records                              | Rob Nahf      | 2013-10-07 19:10 |                               |
| 2660 | Infrastructure | Task    | New         | Normal   | Deciding on a key size for D1 certs   | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 2646 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()             | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 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                  |
| 1471 | Infrastructure | Task    | New         | Normal   | Define implicit curator role at Member Nodes.   | Matthew Jones | 2014-10-01 20:47 |                               |
| 3974 | Infrastructure | Task    | New         | Normal   | Complete agenda for meeting   | Dave Vieglais | 2013-09-11 20:59 |                               |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions  | Andrew Pippin | 2012-07-06 16:25 | d1_mn_GMN                     |
| 2810 | Infrastructure | Task    | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect                                | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 2809 | Infrastructure | Task    | New         | Normal   | MNStorage.update() - Make behavior explicit   | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.   | Matthew Jones | 2014-10-01 20:47 | Documentation                 |
| 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                  |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*  | Dave Vieglais | 2015-06-25 22:00 | d1_schemas                    |
| 3925 | Infrastructure | Task    | New         | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN                     | Rob Nahf      | 2014-10-01 22:04 | MNWebChecker                  |
| 3924 | Infrastructure | Task    | New         | Normal   | Pids in ObjectList should be the same as pids in the systemMetadata Map                         | Rob Nahf      | 2014-10-01 22:04 | MNWebChecker                  |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee        | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|-----------------|------------------|-------------------------------|
| 2594 | Infrastructure | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop                         | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury                    |
| 1485 | Infrastructure | Task    | New         | Normal   | Clean up authn requirements listing                                    | Matthew Jones   | 2014-10-01 20:47 |                               |
| 3907 | Infrastructure | Task    | New         | Normal   | MN Integration Test - verify system metadata returned matches expected | Rob Nahf        | 2013-08-09 18:48 | d1_integration                |
| 4189 | Infrastructure | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation                    | Dave Vieglais   | 2017-01-14 00:24 | d1_schemas                    |
| 4190 | Infrastructure | Task    | New         | Normal   | Update architecture docs to import dataoneErrors.xsd                   | Dave Vieglais   | 2014-09-24 18:28 | Documentation                 |
| 4192 | Infrastructure | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition   | Dave Vieglais   | 2014-09-24 18:28 | Management                    |
| 2593 | Infrastructure | Task    | New         | Normal   | Prepare science data and metadata content for the workshop             | Dave Vieglais   | 2012-04-09 22:52 |                               |
| 1482 | Infrastructure | Task    | New         | Normal   | Design mechanism to collapse two accounts into one                     | Matthew Jones   | 2014-10-01 20:47 |                               |
| 3905 | Infrastructure | Task    | In Progress | Normal   | Sort out shell logins for splunk system                                | Bruce Wilson    | 2013-08-23 13:27 | Support Operations            |
| 3901 | Infrastructure | Task    | New         | Normal   | Review Mozilla Persona as an alternative for identity management       | Dave Vieglais   | 2013-08-09 11:57 | Documentation                 |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09   | Skye Roseboom   | 2014-09-11 15:47 | d1_replication                |
| 3895 | Infrastructure | Task    | New         | Normal   | Can we add bugs to a task in a story?                                  |                 | 2014-09-24 18:27 |                               |
| 3894 | Infrastructure | Task    | New         | Normal   | This task contains all the bugs related to the story                   |                 | 2014-09-24 18:27 |                               |
| 3063 | Infrastructure | Task    | New         | Normal   | Change Mutability of Metadata documentation                            | Dave Vieglais   | 2014-09-24 18:27 | Documentation                 |
| 2549 | Infrastructure | Task    | New         | Normal   | document the decision  | Matthew Jones   | 2012-03-27 22:03 | Authentication, Authorization |
| 3067 | Infrastructure | Task    | New         | Normal   | Old DAAC PIDs to archive   | Dave Vieglais   | 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                        |
| 7176 | Infrastructure | Task    | New         | Normal   | Develop textual documentation for certificate management               | Dave Vieglais   | 2015-06-10 01:33 | Documentation                 |
| 3891 | Infrastructure | Task    | New         | Normal   | review vulnerability to BREACH attacks                                 | Dave Vieglais   | 2013-08-07 15:01 | Authentication, Authorization |
| 3881 | Infrastructure | Task    | New         | Normal   | 4.2.1.4 Definition of Verified User Lacking                            | Dave Vieglais   | 2014-09-24 18:27 | Documentation                 |
| 1481 | Infrastructure | Task    | New         | Normal   | Clarify spec that groups can own objects                               | Matthew Jones   | 2014-10-01 20:47 |                               |



| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category                   |
|------|----------------|---------|-------------|----------|--|----------------|------------------|----------------------------|
| 8747 | Infrastructure | Task    | New         | Normal   | Adjust package configuration to persist changes between updates  | Dave Vieglaiss | 2018-11-16 17:32 |                            |
| 7047 | Infrastructure | Task    | New         | Normal   | Set user-agent in http request header for CN requests to member nodes                                      | Robert Waltz   | 2015-04-15 22:41 | d1_cn_service              |
| 3880 | Infrastructure | Task    | New         | Normal   | 4.2.1.3 CILogon Extension Not Documented   |                | 2014-09-24 18:27 | Environment.Productio<br>n |
| 3879 | Infrastructure | Task    | New         | Normal   | 4.2.1.2 Missing Policies and Expectations  |                | 2014-09-24 18:27 | Environment.Productio<br>n |
| 2508 | Infrastructure | Task    | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.                               | Dave Vieglaiss | 2014-10-02 17:21 | Documentation              |
| 3878 | Infrastructure | Task    | New         | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation  | Dave Vieglaiss | 2014-09-24 18:27 |                            |
| 2492 | Infrastructure | Task    | New         | Normal   | Add status page for given {pid}  | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor                 |
| 8236 | Infrastructure | Task    | New         | Normal   | Acquire ORCID API key under KU membership  | Dave Vieglaiss | 2018-01-09 02:21 |                            |
| 8775 | Infrastructure | Task    | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive  | Bryce Mecum    | 2019-03-11 23:35 |                            |
| 7606 | Infrastructure | Task    | In Progress | Normal   | NRDC does not trust the CN certificate for log harvesting  | Laura Moyers   | 2016-04-06 16:14 | Environment.Productio<br>n |
| 8505 | Infrastructure | Task    | New         | Normal   | Review solr terms for coverage of data citation elements   | Monica Ihli    | 2018-03-19 21:57 |                            |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features   | Chris Jones    | 2013-09-12 20:04 | Environment.Productio<br>n |
| 2545 | Infrastructure | Task    | New         | Normal   | create d1_integration tests using for MN.generateIdentifier  | Rob Nahf       | 2014-10-02 17:54 | d1_integration             |
| 2475 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation              |
| 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         |
| 1414 | Infrastructure | Task    | New         | Normal   | How to represent additional Node attributes.   |                | 2011-03-09 06:16 |                            |
| 3810 | Infrastructure | Task    | New         | Normal   | Identify and setup location for user oriented operational docs   | Dave Vieglaiss | 2014-09-24 18:27 | Support Operations         |
| 3807 | Infrastructure | Task    | New         | Normal   | Add documentation for Types.QueryEngineDescription   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation              |
| 2466 | Infrastructure | Task    | New         | Normal   | Authentication - Remove references to Principal  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation              |
| 7607 | Infrastructure | Task    | New         | Normal   | LTER_EUROPE refuses the production CN from harvesting log records  | Laura Moyers   | 2016-06-09 16:34 | Environment.Productio<br>n |
| 4713 | Infrastructure | Task    | New         | Normal   | replace SSL cert fo cn-orc-1.dataone.org   |                | 2014-09-24 18:14 |                            |
| 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                   |
|------|----------------|---------|-------------|----------|---|---------------|------------------|----------------------------|
| 3768 | Infrastructure | Task    | New         | Normal   | Add canonical DataONE description paper to citing DataONE web-page                                      | Amber Budden  | 2013-05-16 22:20 | Community Engagement       |
| 4716 | Infrastructure | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD   | Chris Jones   | 2014-09-24 18:14 | Environment.Productio<br>n |
| 4717 | Infrastructure | Task    | New         | Normal   | refresh client certificate for mn-unm-2.dataone.org   |               | 2014-09-24 18:14 |                            |
| 6877 | Infrastructure | Task    | New         | Normal   | Support for ISO 19115 metadata standard   |               | 2015-03-10 18:08 | Format ID                  |
| 2464 | Infrastructure | Task    | New         | Normal   | Authentication - no space after comma in subjects   | Dave Vieglais | 2014-10-02 17:21 | Documentation              |
| 4723 | Infrastructure | Task    | New         | Normal   | MN recognition of CN  | Dave Vieglais | 2014-10-02 17:21 |                            |
| 3175 | Infrastructure | Task    | New         | Normal   | Include dataoneTypes.xsd in Metacat registered schemas  | Chris Jones   | 2012-10-05 14:23 | Metacat                    |
| 3757 | Infrastructure | Task    | New         | Normal   | Verify Log reporting in MN Tester   | Rob Nahf      | 2013-05-10 17:42 | d1_integration             |
| 3728 | Infrastructure | Task    | New         | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata | Dave Vieglais | 2014-09-24 18:27 | Documentation              |
| 1411 | Infrastructure | Task    | New         | Normal   | Vendor Specific Extensions  |               | 2011-03-08 16:59 |                            |
| 8205 | Infrastructure | Task    | New         | Normal   | Adjust memory allocation to Tomcat7 on CNs  |               | 2017-10-24 15:33 |                            |
| 8858 | Infrastructure | Task    | New         | Normal   | Update CN Apache configs in version control with directives to support sitemaps                         | Bryce Mecum   | 2020-02-24 19:26 |                            |
| 6624 | Infrastructure | Task    | New         | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page   |               | 2014-11-21 20:29 | Documentation              |
| 1339 | Infrastructure | Task    | New         | Normal   | "common" -> "base" or "foundation"  |               | 2011-02-09 23:19 |                            |
| 2030 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UNM                                  | Dave Vieglais | 2014-09-24 18:29 | Hardware                   |
| 2394 | Infrastructure | Task    | New         | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglais | 2014-10-02 17:21 | Documentation              |
| 8168 | Infrastructure | Task    | New         | Normal   | Evaluate options for postgres replication configuration   | Monica Ihli   | 2017-09-01 15:11 |                            |
| 8150 | Infrastructure | Task    | New         | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata                               | Jing Tao      | 2017-07-19 21:27 |                            |
| 2342 | Infrastructure | Task    | New         | Normal   | CNCore.reserveldentifier() - Update REST description  | Dave Vieglais | 2014-10-02 17:21 | Documentation              |
| 8151 | Infrastructure | Task    | New         | Normal   | CNs should verify that the authoritativeMN listed in SystemMetadata is a valid MN                       | Jing Tao      | 2017-07-19 21:32 |                            |
| 1335 | Infrastructure | Task    | New         | Normal   | Local caching of the d1 schema.   |               | 2011-02-09 22:56 |                            |
| 2344 | Infrastructure | Task    | New         | Normal   | Add category for Ben's style sheets in Redmine  | Dave Vieglais | 2012-02-15 17:45 | Support Operations         |
| 8171 | Infrastructure | Task    | New         | Normal   | Document hazelcast components to be moved to postgres storage   | Monica Ihli   | 2017-09-01 15:25 |                            |
| 8169 | Infrastructure | Task    | New         | Normal   | Document process for changing the postgres master   | Monica Ihli   | 2017-09-01 15:09 |                            |
| 7612 | Infrastructure | Task    | In Progress | Normal   | Contact ORNLDAAC  | Laura Moyers  | 2016-02-11 18:02 | Environment.Productio<br>n |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|----------------|---------|-------------|----------|--|----------------|------------------|------------------------|
| 2343 | Infrastructure | Task    | New         | Normal   | Convert style sheets to separate product   | Ben Leinfelder | 2012-02-15 17:43 |                        |
| 8793 | Infrastructure | Task    | New         | Normal   | Replace ONEMercury installation  |                | 2019-05-01 14:04 |                        |
| 1334 | Infrastructure | Task    | New         | Normal   | Completely remove detailCode   |                | 2011-02-09 22:51 |                        |
| 8170 | Infrastructure | Task    | New         | Normal   | Identify the components that are currently managed in LDAP on the Coordinating Nodes and how these may be migrated to postgres | Monica Ihli    | 2017-09-01 15:20 |                        |
| 1333 | Infrastructure | Task    | New         | Normal   | traceInformation -> trace  |                | 2011-02-09 22:46 |                        |
| 3643 | Infrastructure | Task    | New         | Normal   | Decide on future of stage-2 environment  | Robert Waltz   | 2015-01-14 00:41 |                        |
| 8506 | Infrastructure | Task    | New         | Normal   | Identify ISO metadata terms appropriate for population of data citation elements of the solr search index                      |                | 2018-10-04 18:17 |                        |
| 3635 | Infrastructure | Task    | New         | Normal   | Phase two Morpho implementation  | Ben Leinfelder | 2013-03-25 22:49 |                        |
| 2227 | Infrastructure | Task    | New         | Normal   | Specify valid mimetypes for responses  | Dave Vieglais  | 2014-10-02 17:21 | Documentation          |
| 1332 | Infrastructure | Task    | New         | Normal   | Possibly remove MN_crud.update()   |                | 2011-02-09 22:50 |                        |
| 2172 | Infrastructure | Task    | New         | Normal   | Types.DateTime: Example serialization without TZ designator  | Dave Vieglais  | 2014-10-02 17:21 | Documentation          |
| 6569 | Infrastructure | Task    | New         | Normal   | configure jobs for tag 1.0.1, 1.0.0 and 0.9.0  | Rob Nahf       | 2014-11-14 17:56 |                        |
| 3626 | Infrastructure | Task    | New         | Normal   | Metacat should use correct object format for ESRI profile metadata   | Ben Leinfelder | 2013-02-27 23:56 | Metacat                |
| 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 |
| 2169 | Infrastructure | Task    | In Progress | Normal   | Design content and layout for status page  | Dave Vieglais  | 2012-03-14 20:40 | d1_monitor             |
| 3624 | Infrastructure | Task    | Testing     | Normal   | Update CN index processing to support ESRI FGDC metadata format  | Skye Roseboom  | 2013-03-05 23:27 | d1_indexer             |
| 3616 | Infrastructure | Task    | New         | Normal   | Enable ServiceMethodRestriction support in Metacat   | Chris Jones    | 2013-02-27 16:28 | Metacat                |
| 1331 | Infrastructure | Task    | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()   |                | 2011-02-09 22:44 |                        |
| 8103 | Infrastructure | Task    | New         | Normal   | Upgrade the postgresql jdbc jar file on the cn context   | Jing Tao       | 2017-06-02 20:56 | d1_cn_service          |
| 3612 | Infrastructure | Task    | New         | Normal   | CN SystemMetadata has incomplete obsoletedBy information   | Ben Leinfelder | 2013-03-08 17:43 | Environment.Production |
| 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 |
| 2151 | Infrastructure | Task    | New         | Normal   | Ensuring that cited objects are not deleted  |                | 2011-12-23 04:20 |                        |
| 1236 | Infrastructure | Task    | New         | Normal   | Highly variable response times from cn.dataone.org   |                | 2011-01-17 16:34 | d1_cn_service          |
| 3598 | Infrastructure | Task    | New         | Normal   | Node document subject description is a bit unclear   | Dave Vieglais  | 2014-10-02 17:21 | Documentation          |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|----------------|------------------|--------------------|
| 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   |
| 8091 | Infrastructure | Task    | In Progress | Normal   | Mysterious sync failure of an eml object from the GOA node                                     | Jing Tao       | 2017-05-09 21:33 | dataone-cn-os-core |
| 8102 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Portal   | Jing Tao       | 2017-06-02 20:53 | d1_portal          |
| 2142 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - include PID in signature  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation      |
| 3596 | Infrastructure | Task    | New         | Normal   | Fix Merritt Repository resource map typing of triple objects                                   | John Kunze     | 2013-02-19 02:27 | mn.Merritt         |
| 1234 | Infrastructure | Task    | New         | Normal   | Record performance metrics for member nodes  |                | 2011-01-15 02:52 |                    |
| 7774 | Infrastructure | Task    | New         | Normal   | GMN: Move to Let's Encrypt   |                | 2016-05-09 22:16 |                    |
| 7767 | Infrastructure | Task    | New         | Normal   | In DataONE search results, move map display to map extent                                      | Dave Vieglaiss | 2016-05-04 18:31 |                    |
| 8792 | Infrastructure | Task    | New         | Normal   | Create landing page for redirection from ONEMercury  |                | 2019-05-01 14:03 |                    |
| 3577 | Infrastructure | Task    | New         | Normal   | Confusing message about "Ignored Tests present".   | Rob Nahf       | 2013-02-14 22:36 | MNWebChecker       |
| 2133 | Infrastructure | Task    | New         | Normal   | listObjects() datetime slicing   |                | 2011-12-12 23:15 |                    |
| 8104 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat  | Jing Tao       | 2017-06-02 20:58 | Metacat            |
| 8206 | Infrastructure | Task    | New         | Normal   | Review and adjust memory allocation to Solr and zookeeper                                      |                | 2017-10-24 16:03 |                    |
| 6167 | Infrastructure | Task    | New         | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case     | Dave Vieglaiss | 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      |
| 3314 | Infrastructure | Task    | New         | Normal   | CNRead.getQueryEngineDescription() - REST URL  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation      |
| 2131 | Infrastructure | Task    | New         | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId   | Dave Vieglaiss | 2014-10-02 17:21 |                    |
| 8079 | Infrastructure | Task    | In Progress | Normal   | prototype durable task processing for d1_index_processor                                       | Rob Nahf       | 2017-04-26 05:45 | d1_indexer         |
| 1227 | Infrastructure | Task    | New         | Normal   | configure Hudson to build Mercury for deployment to a CN                                       | Dave Vieglaiss | 2011-01-13 15:16 | d1_mercury         |
| 2123 | Infrastructure | Task    | New         | Normal   | Description of serialVersion   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation      |
| 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     |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|-------------------|------------------|------------------------|
| 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         |
| 8080 | Infrastructure | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic                          | Rob Nahf          | 2017-05-09 22:55 | d1_indexer             |
| 7104 | Infrastructure | Task    | New         | Normal   | Event index reindexing shouldn't require re-harvest from MNs  |                   | 2015-07-09 15:34 | d1_log_aggregation     |
| 2083 | Infrastructure | Task    | New         | Normal   | Split the CN API into public and private sections   | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 6389 | Infrastructure | Task    | New         | Normal   | The version of com.googlecode.foresite-toolkit is 1.0-SNAPSHOT on the d1_libclient_java releases            |                   | 2014-09-18 00:42 |                        |
| 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                |
| 6394 | Infrastructure | Task    | New         | Normal   | Resolve SSL certificate connection errors for UNM Epscor Tier 4 MN in development                           | Chris Jones       | 2014-09-18 18:39 | Support Operations     |
| 6396 | Infrastructure | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally  | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker           |
| 6397 | Infrastructure | Task    | New         | Normal   | test that it works from standalone .war   | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker           |
| 6398 | Infrastructure | Task    | New         | Normal   | update MNWebTest operations docs  | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker           |
| 6399 | Infrastructure | Task    | New         | Normal   | set up release practice for the MNWebTester .war  | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker           |
| 6478 | Infrastructure | Task    | New         | Normal   | move mncheck VM to a different VMhost   | Dave Vieglais     | 2014-10-01 20:34 | MNWebChecker           |
| 6483 | Infrastructure | Task    | New         | Normal   | DataONE xsede VM at ORC   | Michael Campfield | 2014-10-24 10:54 |                        |
| 2028 | Infrastructure | Task    | New         | Normal   | Document VM specifications for CNs  | Dave Vieglais     | 2014-09-24 18:29 | Management             |
| 1226 | Infrastructure | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war   |                   | 2011-01-13 14:57 | d1_cn_buildout         |
| 2054 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()   | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 7184 | Infrastructure | Task    | New         | Normal   | Create an Ansible script that can replace a server certificate  | Nick Outin        | 2015-06-15 15:10 | Support Operations     |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header   | Chris Jones       | 2013-02-21 18:41 | Metacat                |
| 8070 | Infrastructure | Task    | New         | Normal   | Consolidate the index application-context files   | Jing Tao          | 2017-04-13 12:51 |                        |
| 2053 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion   |                   | 2014-10-02 17:21 |                        |
| 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 |
| 1225 | Infrastructure | Task    | New         | Normal   | Configure Hudson Metacat build  |                   | 2011-01-13 14:41 | Metacat                |
| 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     |

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