

## Issues

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category                      |
|------|------------------|---------|-------------|----------|---|---------------|------------------|-------------------------------|
| 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 |                               |
| 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           |
| 7358 | Infrastructure   | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry  | Dave Vieglais | 2016-12-21 09:05 | Authentication, Authorization |
| 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                |
| 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                |
| 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                |
| 8738 | Infrastructure   | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue   | Rob Nahf      | 2018-10-30 04:10 | d1_indexer                    |
| 7407 | Infrastructure   | Story   | In Progress | Normal   | object formats in the d1_common_java bootstrap list are inconsistent with production                                  | Dave Vieglais | 2016-03-15 16:49 | d1_indexer                    |
| 8081 | Infrastructure   | Story   | In Progress | Normal   | develop federated broker configuration for indexing   | Rob Nahf      | 2018-01-17 18:46 | d1_indexer                    |
| 8172 | Infrastructure   | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf      | 2018-01-17 18:39 | d1_indexer                    |
| 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             |
| 8155 | Infrastructure   | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API   | Roger Dahl    | 2018-01-17 18:43 | d1_mn_GMN                     |
| 8364 | CN REST          | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |               | 2019-05-21 12:57 | d1_portal_servlet             |
| 4463 | Infrastructure   | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing   | Rob Nahf      | 2018-01-17 20:03 | d1_replication                |
| 6377 | Infrastructure   | Story   | In Progress | Normal   | Review CNode initialization in ReplicationManager - it doesn't use local CN reference                                 | Rob Nahf      | 2018-01-17 19:52 | d1_replication                |
| 4188 | Infrastructure   | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification  | Dave Vieglais | 2018-01-17 20:05 | d1_schemas                    |
| 8038 | Infrastructure   | Story   | In Progress | Normal   | connect logging output to a log analysis tool   | Dave Vieglais | 2018-01-17 18:52 | d1_synchronization            |
| 7716 | Infrastructure   | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?  | Dave Vieglais | 2018-01-17 19:22 | d1_synchronization            |
| 8525 | Infrastructure   | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization  | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization            |
| 5141 | Infrastructure   | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document  | Dave Vieglais | 2018-01-17 19:58 | Documentation                 |
| 725  | Infrastructure   | Story   | In Progress | Normal   | Create Authentication and Access control design specifications  | Dave Vieglais | 2018-01-17 20:52 | Documentation                 |
| 6071 | Infrastructure   | Story   | In Progress | Normal   | Release Notes and documentation   | Dave Vieglais | 2018-01-17 19:53 | Documentation                 |
| 7754 | Search UI        | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats   | Bryce Mecum   | 2018-05-17 14:18 | MetacatUI                     |
| 4052 | Infrastructure   | Story   | In Progress | Normal   | OPeNDAP MN Story  |               | 2013-10-06 20:07 | mn.OPeNDAP                    |
| 6395 | Infrastructure   | Story   | In Progress | Normal   | Menber Node testers are stuck when the MNWebTester hangs / crashes  | Rob Nahf      | 2018-01-17 19:51 | MNWebChecker                  |

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| 3591 | Infrastructure   | Story   | In Progress | Normal   | Content consistency checks for new member nodes   | Rob Nahf      | 2018-01-17 20:23 | MNWebChecker                  |
| 8032 | Python GMN       | Story   | In Progress | Normal   | GMN v2  | Roger Dahl    | 2018-01-17 18:55 |                               |
| 8225 | Member Nodes     | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea   | Rob Nahf      | 2018-05-17 14:30 |                               |
| 8535 | Member Nodes     | Story   | In Progress | Normal   | Neotoma: Story: Discovery & Planning  | Amy Forrester | 2018-04-09 21:14 |                               |
| 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 |                               |
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content  | Dave Vieglais | 2015-06-08 18:58 |                               |
| 7882 | Infrastructure   | Story   | In Progress | Normal   | Tune CN logfile management  | Dave Vieglais | 2018-01-17 19:03 |                               |
| 8727 | Member Nodes     | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |               | 2019-01-22 18:34 |                               |
| 8358 | Member Nodes     | Story   | In Progress | Normal   | Discovery & Planning (CAFF)   | Amy Forrester | 2018-04-06 14:56 |                               |
| 5833 | Member Nodes     | Story   | In Progress | Normal   | GBIF: Developing  |               | 2019-02-19 18:24 |                               |
| 7146 | OGC-Slender Node | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services                                   | Dave Vieglais | 2015-06-05 13:37 |                               |
| 7559 | Infrastructure   | Story   | New         | Normal   | Develop plan for securing application passwords in the CN stack                                 | Dave Vieglais | 2018-01-17 19:34 | Architecture Design           |
| 8061 | Infrastructure   | Story   | New         | Normal   | develop queue-based processing system for the CN  | Rob Nahf      | 2018-01-17 19:00 | Architecture Design           |
| 7807 | Infrastructure   | Story   | New         | Low      | cn.synchronize should support synchronization failure corrections.                              |               | 2018-01-17 19:15 | Architecture Design           |
| 7224 | Infrastructure   | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option                  |               | 2018-01-17 19:38 | Architecture Design           |
| 8109 | Infrastructure   | Story   | New         | Normal   | Does authentication token need to include group information?                                    | Dave Vieglais | 2018-01-17 18:45 | Authentication, Authorization |
| 2548 | Infrastructure   | Story   | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users                  |               | 2018-01-17 20:36 | Authentication, Authorization |
| 8234 | Infrastructure   | Story   | New         | Normal   | Use University of Kansas ORCID membership to support authentication in production environment   | Dave Vieglais | 2018-01-09 19:10 | Authentication, Authorization |
| 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                   |
| 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                |
| 4650 | Infrastructure   | Story   | New         | Normal   | Allow MN to bias resolve to the authoritative MN  | Rob Nahf      | 2018-01-17 20:00 | d1_cn_common                  |
| 7650 | Infrastructure   | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy                             | Rob Nahf      | 2018-01-17 19:31 | d1_cn_common                  |
| 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           |
| 8771 | CN REST          | Story   | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`   | Dave Vieglais | 2019-03-05 19:43 | d1_cn_rest                    |
| 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                    |
| 7940 | Infrastructure   | Story   | New         | Normal   | Retrieval of system metadata is too slow  | Robert Waltz  | 2018-01-09 19:10 | d1_cn_service                 |
| 8702 | Infrastructure   | Story   | New         | Normal   | Indexing Refactor Strategy  | Rob Nahf      | 2018-09-24 18:05 | d1_indexer                    |
| 7668 | Infrastructure   | Story   | New         | Normal   | Determine how indexing of data packages should work   | Jing Tao      | 2018-01-17 19:28 | d1_indexer                    |

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| 8363 | Infrastructure | Story   | New    | Normal   | indexer shutdown generates index tasks  | Rob Nahf       | 2018-09-24 15:25 | d1_indexer         |
| 4278 | Infrastructure | Story   | New    | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements  | Jing Tao       | 2018-01-17 20:04 | d1_indexer         |
| 8758 | Infrastructure | Story   | New    | Normal   | Index replicationStatus field   | Jing Tao       | 2019-01-14 18:00 | d1_indexer         |
| 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         |
| 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         |
| 8869 | Infrastructure | Story   | New    | Normal   | Equivalent identities show owning different amount of packages.   | Jing Tao       | 2020-09-24 22:34 | 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         |
| 8779 | Infrastructure | Story   | New    | Normal   | ForesiteResourceMap performance issue   | Rob Nahf       | 2019-03-25 18:48 | d1_indexer         |
| 8173 | Infrastructure | Story   | New    | High     | add checks for retrograde systemMetadata changes  | Jing Tao       | 2018-01-17 18:38 | d1_indexer         |
| 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         |
| 8084 | Infrastructure | Story   | New    | Normal   | determine the backup strategy for rabbitMQ  | Rob Nahf       | 2018-01-17 18:46 | d1_indexer         |
| 8736 | Infrastructure | Story   | New    | Normal   | Decouple the index generator to the hazelcast system metadata map   |                | 2019-01-22 19:27 | 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         |
| 8540 | Infrastructure | Story   | New    | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor   | Rob Nahf       | 2018-04-12 04:32 | d1_indexer         |
| 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  |
| 6850 | Java Client    | Story   | New    | Normal   | automate Java Client releases   | Rob Nahf       | 2018-01-17 19:42 | d1_libclient_java  |
| 8044 | Infrastructure | Story   | New    | Normal   | certificate manager should check expiration of CAs it loads into the trust manager.                                   | Rob Nahf       | 2018-01-09 19:10 | d1_libclient_java  |
| 8602 | Infrastructure | Story   | New    | Normal   | Log aggregation and augmentation process mid 2018 updates   | Dave Vieglaiss | 2018-06-07 20:49 | d1_log_aggregation |
| 6056 | Infrastructure | Story   | New    | Normal   | remove log aggregation processing from d1-processing Linux service  | Dave Vieglaiss | 2018-01-17 19:55 | d1_log_aggregation |
| 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 |
| 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 |
| 8791 | Infrastructure | Story   | New    | Normal   | Complete deprecation of ONEMercury interface  | Rob Nahf       | 2019-05-01 14:00 | d1_mercury         |
| 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          |
| 8639 | Infrastructure | Story   | New    | Normal   | Replication performance is too slow to service demand   | Chris Jones    | 2018-07-04 11:18 | d1_replication     |

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| 8162 | Infrastructure | Story   | New    | Normal   | Replication tasks can contain stale potential target nodes  | Rob Nahf     | 2018-03-02 21:47 | d1_replication          |
| 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  |
| 8756 | CN REST        | Story   | New    | Normal   | Ensure replica auditor is effective   | Chris Jones  | 2019-01-15 21:00 | d1_replication_auditor  |
| 8582 | CN REST        | Story   | New    | Normal   | Replica Auditing service is throwing errors   | Jing Tao     | 2019-01-14 16:40 | d1_replication_auditor  |
| 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      |
| 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      |
| 7889 | Infrastructure | Story   | New    | Normal   | Synchronization not happening when authoritativeMN is not set correctly.  | Rob Nahf     | 2018-01-17 19:01 | d1_synchronization      |
| 2488 | Infrastructure | Story   | New    | Normal   | Changing the authoritativeMembern timer will require all replica's systemMetadata be updated                            | Dave Viegla  | 2018-01-17 20:39 | d1_synchronization      |
| 8097 | Infrastructure | Story   | New    | Normal   | Metacat (storage) and d1-synchronize both have the code to compute the checksum   | Jing Tao     | 2018-01-09 19:10 | d1_synchronization      |
| 8851 | Infrastructure | Story   | New    | Normal   | CN sends error doc with "pid" to v2 endpoint  | Jing Tao     | 2019-11-06 22:31 | d1_synchronization      |
| 8864 | CN REST        | Story   | New    | Normal   | Synchronization does not register authoritative replica entry correctly   | Jing Tao     | 2020-06-19 21:59 | d1_synchronization      |
| 8167 | Infrastructure | Story   | New    | Normal   | Enable postgres replication between Coordinating Nodes  | Monica Ihli  | 2018-01-09 19:10 | dataone-cn-os-core      |
| 8857 | Infrastructure | Story   | New    | Normal   | D1Client.getClient() always get the production cn on the CN Tomcat context  | Jing Tao     | 2019-12-13 00:34 | dataone-cn-rest-service |
| 6069 | Infrastructure | Story   | New    | Normal   | open ask.dataone.org sign-in to community   | Dave Viegla  | 2014-10-01 20:39 | Documentation           |
| 3720 | Infrastructure | Story   | New    | Normal   | resource maps should be validated   | Dave Viegla  | 2018-01-17 20:17 | Documentation           |
| 7611 | Infrastructure | Story   | New    | Normal   | ORNLDAAC fails during log aggregation   | Laura Moyers | 2016-01-26 16:39 | Environment.Production  |
| 7605 | Infrastructure | Story   | New    | Normal   | MemberNodes not authorizing CN to harvest log records   | Dave Viegla  | 2018-01-17 19:33 | Environment.Production  |
| 7640 | Infrastructure | Story   | New    | Normal   | ONEShare failing with ServiceFailure  | Laura Moyers | 2016-02-12 16:39 | Environment.Production  |
| 7712 | Infrastructure | Story   | New    | Normal   | Sanparks fails during LogAggregation  | Laura Moyers | 2016-04-06 16:43 | Environment.Production  |
| 6543 | Infrastructure | Story   | New    | Normal   | Support RIF-CS metadata standard  | Dave Viegla  | 2018-01-17 19:46 | Format ID               |
| 6883 | Infrastructure | Story   | New    | Normal   | support for ESRI Shapefile object format  |              | 2018-01-17 19:40 | Format ID               |
| 8734 | Infrastructure | Story   | New    | Normal   | Hazelcast shutdown tied to out of memory exception!   | Rob Nahf     | 2018-10-18 16:55 | Metacat                 |
| 8368 | Infrastructure | Story   | New    | Normal   | Update backup strategy for jenkins job configurations to subversion   | Dave Viegla  | 2019-01-22 19:25 | Support Operations      |
| 2944 | Infrastructure | Story   | New    | Normal   | Design and implement a MN kill switch mechanism   | Dave Viegla  | 2018-01-17 20:30 | Support Operations      |
| 8366 | Infrastructure | Story   | New    | Normal   | Migrate jenkins continuous integration from UNM to UCSB   | Dave Viegla  | 2019-01-22 19:26 | Support Operations      |
| 8367 | Infrastructure | Story   | New    | Normal   | Duplicate jenkins jobs from UNM to UCSB   | Dave Viegla  | 2019-01-22 19:25 | Support Operations      |
| 7183 | Infrastructure | Story   | New    | Normal   | Update wild card server certificate on all test.dataone.org systems   | Dave Viegla  | 2015-06-15 15:10 | Support Operations      |
| 7859 | Infrastructure | Story   | New    | Normal   | Add formatID for the STL 3d model file format   | Dave Viegla  | 2018-01-17 19:04 |                         |

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| 8352 | Testing MN Management | Story   | New    | Normal   | Move to Production  |                | 2018-02-08 15:28 |          |
| 6796 | Python Libraries      | Story   | New    | Normal   | Migrate to Python v3  | Roger Dahl     | 2018-01-17 19:43 |          |
| 8762 | Infrastructure        | Story   | New    | Normal   | Add new formats to CN   |                | 2019-02-07 20:03 |          |
| 8463 | Testing MN Management | Story   | New    | Normal   | test: Testing & Development   |                | 2018-03-01 21:04 |          |
| 8862 | Infrastructure        | Story   | New    | Normal   | Deploy a new dataone-cn-rest release  | Jing Tao       | 2020-04-23 16:24 |          |
| 5468 | Python Libraries      | Story   | New    | Low      | Remove dead code from D1 Python stack   | Roger Dahl     | 2018-01-17 19:57 |          |
| 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 |          |
| 8833 | Member Nodes          | Story   | New    | Normal   | Problems utilizing pyshacl within SlenderNodes                                      | John Evans     | 2019-08-09 18:20 |          |
| 8749 | CN REST               | Story   | New    | Normal   | Fix log aggregation events from the CN without associated CN IPs                    | Dave Vieglaiss | 2019-05-01 22:25 |          |
| 8683 | Member Nodes          | Story   | New    | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN                                    | John Evans     | 2019-05-15 14:03 |          |
| 8782 | Infrastructure        | Story   | New    | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao       | 2019-03-22 18:12 |          |
| 8347 | Testing MN Management | Story   | New    | Normal   | Testing & Development   |                | 2018-02-08 15:28 |          |
| 7095 | Python GMN            | Story   | New    | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model | Dave Vieglaiss | 2016-03-25 02:30 |          |
| 8340 | Testing MN Management | Story   | New    | Normal   | Discovery   |                | 2018-02-08 15:28 |          |
| 8568 | Member Nodes          | Story   | New    | Normal   | (CyVerse) Move to production  |                | 2018-04-23 21:18 |          |
| 8819 | Member Nodes          | Story   | New    | Normal   | IEDA documents not in DataONE   |                | 2019-06-13 19:20 |          |
| 8213 | Member Nodes          | Story   | New    | Normal   | KUBI node is not responding as a MN   | Dave Vieglaiss | 2017-11-06 22:18 |          |
| 8564 | Member Nodes          | Story   | New    | Normal   | (CyVerse) Testing & Development   | Rob Nahf       | 2018-07-02 19:56 |          |
| 8634 | Member Nodes          | Story   | New    | Normal   | DAAC: Testing & Development   | Dave Vieglaiss | 2018-07-02 14:55 |          |
| 8832 | Member Nodes          | Story   | New    | Normal   | Conflict between pyshacl and owl on ubuntu  | John Evans     | 2019-08-05 19:32 |          |
| 8823 | Infrastructure        | Story   | New    | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04           | Dave Vieglaiss | 2019-06-19 02:43 |          |
| 8831 | Member Nodes          | Story   | New    | Normal   | Import error with schema_org.data   | John Evans     | 2019-08-05 18:57 |          |
| 8796 | Infrastructure        | Story   | New    | Normal   | Various issues with service access after upgrade to 18.04                           | Jing Tao       | 2019-05-21 12:38 |          |
| 3656 | Infrastructure        | Story   | New    | Normal   | integration testing: what are acceptable pids for update?                           | Roger Dahl     | 2018-01-17 20:22 |          |
| 8842 | Infrastructure        | Story   | New    | Normal   | Some exceptions in Metacat  |                | 2019-09-19 17:53 |          |
| 4091 | Infrastructure        | Story   | New    | Normal   | ESRI GeoPortal MN stack   |                | 2013-10-15 13:36 |          |
| 1644 | DataONE API           | Story   | New    | Normal   | Develop an object format creation policy  |                | 2018-01-17 20:46 |          |
| 8521 | Member Nodes          | Story   | New    | Normal   | CAFF: Testing & Development   |                | 2018-04-06 15:17 |          |

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| 8515 | Testing MN Management | Story   | New       | Normal   | meow: Move to Production  |                | 2018-03-22 20:45 |                   |
| 8381 | Testing MN Management | Story   | New       | Normal   | Discovery   |                | 2018-02-27 17:32 |                   |
| 8073 | Python GMN            | Story   | New       | Normal   | Make sure unnecessary services are disabled   | Roger Dahl     | 2018-01-17 18:48 |                   |
| 8574 | Search UI             | Story   | New       | Normal   | PANGAEA Temporary Fix: SID only in Data Citation  | Bryce Mecum    | 2018-05-01 01:45 |                   |
| 5895 | Member Nodes          | Story   | New       | Normal   | GBIF: Transition to production  |                | 2018-01-22 18:41 |                   |
| 6759 | DataONE API           | Story   | New       | Normal   | ObjectFormat Management   | Dave Vieglaiss | 2015-01-19 23:17 |                   |
| 5867 | Member Nodes          | Story   | New       | Normal   | GBIF: Registration in Production environment  |                | 2019-01-24 17:08 |                   |
| 8207 | Infrastructure        | Story   | New       | Normal   | review and adjust memory allocated to d1-processing   |                | 2018-01-09 19:10 |                   |
| 7166 | OGC-Slender Node      | Story   | New       | Normal   | Create ORE document for an NODC data package  | Dave Vieglaiss | 2015-06-08 18:50 |                   |
| 8204 | Infrastructure        | Story   | New       | Normal   | Adjust memory allocation for services running under JVM on CNs                              |                | 2018-01-09 19:10 |                   |
| 8074 | Python GMN            | Story   | New       | Normal   | Eliminate unnecessary setuid/setgid programs  | Roger Dahl     | 2018-01-17 18:48 |                   |
| 7810 | Infrastructure        | Story   | New       | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation                | Rob Nahf       | 2018-01-17 19:09 |                   |
| 8244 | Member Nodes          | Story   | New       | Normal   | Upgrade Member Node to current version of Metacat (IOE)                                     | Amy Forrester  | 2018-01-25 15:36 |                   |
| 8589 | Member Nodes          | Story   | New       | Normal   | ARM: Re-Discovery & Planning  |                | 2018-05-10 21:44 |                   |
| 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 |                   |
| 8853 | Infrastructure        | Story   | New       | Normal   | Make cn.resolve smarter   |                | 2019-11-15 16:50 |                   |
| 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 |                   |
| 8343 | Testing MN Management | Story   | New       | Normal   | Planning  |                | 2018-02-08 15:28 |                   |
| 7170 | OGC-Slender Node      | Story   | New       | Normal   | Evaluate the feasibility of extracting provenance information from the journal.txt document | Dave Vieglaiss | 2015-06-08 21:28 |                   |
| 8849 | Infrastructure        | Story   | New       | Normal   | During sync, the CN does not detect error returned from getChecksum()                       | Jing Tao       | 2019-11-06 22:07 |                   |
| 5838 | Member Nodes          | Story   | New       | Normal   | GBIF: Testing   |                | 2019-01-28 14:39 |                   |
| 7139 | Python GMN            | Task    | In Review | Normal   | modify postgres schema  | Dave Vieglaiss | 2016-03-25 01:27 |                   |
| 7140 | Python GMN            | Task    | In Review | Normal   | Resolve sids to pids  | Dave Vieglaiss | 2016-03-25 01:27 |                   |
| 3624 | Infrastructure        | Task    | Testing   | Normal   | Update CN index processing to support ESRI FGDC metadata format                             | Skye Roseboom  | 2013-03-05 23:27 | d1_indexer        |
| 7120 | Java Client           | Task    | Testing   | Normal   | Fix DataPackage.insertRelationship() to handle any URI for external identifiers             | Chris Jones    | 2015-06-04 21:48 | d1_libclient_java |
| 7389 | Java Client           | Task    | Testing   | Normal   | V2 D1Object fails to download V1 content  | Chris Jones    | 2015-09-28 17:50 | d1_libclient_java |

| #    | Project          | Tracker | Status      | Priority  | Subject   | Assignee       | Updated          | Category            |
|------|------------------|---------|-------------|-----------|---|----------------|------------------|---------------------|
| 8026 | Infrastructure   | Task    | Testing     | High      | Portal reaches the maximum capacity in a pool   | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet   |
| 6378 | Infrastructure   | Task    | Testing     | Normal    | code up the new strategy  | Rob Nahf       | 2016-06-22 16:53 | d1_replication      |
| 5531 | Infrastructure   | Task    | Testing     | Normal    | Provide overview of replication process for MN implementors   | Matthew Jones  | 2014-10-02 17:21 | Documentation       |
| 4210 | Infrastructure   | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()                    | Chris Jones    | 2013-12-20 16:12 | Metacat             |
| 7137 | Python GMN       | Task    | Testing     | Normal    | Add support for V2 urls   | Dave Vieglaais | 2016-03-25 01:27 |                     |
| 5836 | Member Nodes     | Task    | Testing     | Normal    | GBIF: Verify that MN passes the Web Tester  | Rob Nahf       | 2018-09-26 19:57 |                     |
| 7138 | Python GMN       | Task    | Testing     | Normal    | Create new view functions   | Dave Vieglaais | 2016-03-25 01:27 |                     |
| 7686 | Member Nodes     | Task    | Testing     | High      | tDAR - Enable URL links out to data from search results   | Ben Leinfelder | 2016-09-27 15:56 |                     |
| 6034 | Infrastructure   | Task    | In Progress | Normal    | d1_client_cli CCI 2.0 support   | Roger Dahl     | 2014-08-11 16:23 | d1_client_cli       |
| 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         |
| 6026 | Infrastructure   | Task    | In Progress | Normal    | d1_common CCI 2.0 support   | Roger Dahl     | 2014-08-01 15:49 | d1_common_python    |
| 4136 | Infrastructure   | Task    | In Progress | Normal    | Make cosmetic changes to the distribution map   | Chris Jones    | 2014-03-31 17:41 | d1_dashboard        |
| 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        |
| 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          |
| 8086 | Infrastructure   | Task    | In Progress | Normal    | upgrade Spring dependencies   | Rob Nahf       | 2019-07-25 20:32 | d1_indexer          |
| 8079 | Infrastructure   | Task    | In Progress | Normal    | prototype durable task processing for d1_index_processor  | Rob Nahf       | 2017-04-26 05:45 | d1_indexer          |
| 8080 | Infrastructure   | Task    | In Progress | Normal    | ioslate queue creation logic from processing logic from the queue definition logic                    | Rob Nahf       | 2017-05-09 22:55 | d1_indexer          |
| 907  | Infrastructure   | Task    | In Progress | Normal    | unify d1_integration for multiple environments and test languages                                     | Rob Nahf       | 2012-10-16 21:34 | d1_integration      |
| 2956 | Infrastructure   | Task    | In Progress | Normal    | content-checking tests for MNs entering an environment  | Rob Nahf       | 2014-10-01 22:04 | d1_integration      |
| 3057 | Java Client      | Task    | In Progress | Normal    | retest CLOSE_WAIT issue once the lib client is complete.  | Rob Nahf       | 2015-02-11 19:52 | d1_libclient_java   |
| 3721 | Java Client      | Task    | In Progress | Normal    | add resource map validation routine to libclient_java   | Rob Nahf       | 2015-02-11 20:42 | d1_libclient_java   |
| 6033 | Infrastructure   | Task    | In Progress | Normal    | d1_libclient_python CCI 2.0 support   | Roger Dahl     | 2014-08-11 16:22 | d1_libclient_python |
| 7181 | Python Libraries | Task    | In Progress | Normal    | add d1_libclient_python implementation  | Dave Vieglaais | 2016-04-21 22:37 | d1_libclient_python |
| 2642 | Infrastructure   | Task    | In Progress | Normal    | Try installing GMN according to the setup instructions  | Andrew Pippin  | 2012-07-06 16:25 | d1_mn_GMN           |
| 2169 | Infrastructure   | Task    | In Progress | Normal    | Design content and layout for status page   | Dave Vieglaais | 2012-03-14 20:40 | d1_monitor          |
| 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   |
| 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   |
| 6375 | Infrastructure   | Task    | In Progress | Normal    | Refactor out dependency on a working CN   | Rob Nahf       | 2016-06-22 16:53 | d1_replication      |
| 6372 | Infrastructure   | Task    | In Progress | Normal    | rehabilitate ReplicationManager "unit" tests  | Rob Nahf       | 2016-06-22 16:53 | d1_replication      |
| 2585 | Infrastructure   | Task    | In Progress | Normal    | Update Use Case 09  | Skye Roseboom  | 2014-09-11 15:47 | d1_replication      |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee            | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|---------------------|------------------|------------------------|
| 4189 | Infrastructure | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation                   | Dave Vieglaiss      | 2017-01-14 00:24 | d1_schemas             |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*                                | Dave Vieglaiss      | 2015-06-25 22:00 | d1_schemas             |
| 7958 | Infrastructure | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN | Rob Nahf            | 2017-01-04 17:23 | d1_synchronization     |
| 8091 | Infrastructure | Task    | In Progress | Normal   | Mysterious sync failure of an eml object from the GOA node            | Jing Tao            | 2017-05-09 21:33 | dataone-cn-os-core     |
| 3332 | Infrastructure | Task    | In Progress | Normal   | Revise use cases and add sample code                                  | Dave Vieglaiss      | 2014-09-24 18:27 | Documentation          |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                       | Matthew Jones       | 2014-10-01 20:47 | Documentation          |
| 1035 | Infrastructure | Task    | In Progress | Normal   | Develop reference architecture documents                              | Bruce Wilson        | 2011-03-03 19:26 | Documentation          |
| 7606 | Infrastructure | Task    | In Progress | Normal   | NRDC does not trust the CN certificate for log harvesting             | Laura Moyers        | 2016-04-06 16:14 | Environment.Production |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features  | Chris Jones         | 2013-09-12 20:04 | Environment.Production |
| 7612 | Infrastructure | Task    | In Progress | Normal   | Contact ORNLDAAC  | Laura Moyers        | 2016-02-11 18:02 | Environment.Production |
| 4716 | Infrastructure | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD                         | Chris Jones         | 2014-09-24 18:14 | Environment.Production |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate   | Chris Jones         | 2014-09-24 18:14 | Environment.Production |
| 4714 | Infrastructure | Task    | In Progress | Normal   | Refresh client certificate for MN urn:node:TFRI                       | Chris Jones         | 2014-09-24 18:14 | 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 |
| 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     |
| 4192 | Infrastructure | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition  | Dave Vieglaiss      | 2014-09-24 18:28 | Management             |
| 7466 | Infrastructure | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API                    | Chris Jones         | 2015-11-05 16:11 | Metacat                |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header               | Chris Jones         | 2013-02-21 18:41 | Metacat                |
| 7498 | Search UI      | Task    | In Progress | Normal   | Search UI deployments need to be automated                            | Chris Jones         | 2015-11-21 00:36 | MetacatUI              |
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN  | Dave Vieglaiss      | 2013-10-06 20:11 | mn.OPeNDAP             |
| 6396 | Infrastructure | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally          | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker           |
| 3905 | Infrastructure | Task    | In Progress | Normal   | Sort out shell logins for splunk system                               | Bruce Wilson        | 2013-08-23 13:27 | Support Operations     |
| 6382 | Member Nodes   | Task    | In Progress | Normal   | ICMBIO: Determine feasibility   | Laura Moyers        | 2015-11-19 17:21 |                        |
| 6053 | Member Nodes   | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type             | Ranjeet Devarakonda | 2014-11-24 14:57 |                        |
| 6025 | Infrastructure | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack                        | Roger Dahl          | 2014-08-01 15:49 |                        |
| 3220 | Member Nodes   | Task    | In Progress | Normal   | contact iEcolab to determine possible MN role                         | Ben Leinfelder      | 2013-10-01 17:53 |                        |
| 1047 | Infrastructure | Task    | In Progress | Normal   | Write Authentication system specification                             | Matthew Jones       | 2014-10-01 20:47 |                        |
| 7102 | Member Nodes   | Task    | In Progress | Normal   | Create test server certificate for test.piscoweb.org                  | Dave Vieglaiss      | 2015-05-14 18:28 |                        |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification                              | Matthew Jones       | 2014-10-01 20:47 |                        |
| 8750 | Member Nodes   | Task    | In Progress | Normal   | reconnect eLTER MN to DataONE   | Roger Dahl          | 2018-11-28 16:59 |                        |



| #    | Project          | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category |
|------|------------------|---------|-------------|----------|--|----------------|------------------|----------|
| 1061 | Infrastructure   | Task    | In Progress | Normal   | Identify approach to IdentityMapping                                     | Matthew Jones  | 2014-10-01 20:47 |          |
| 7890 | Infrastructure   | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories       | Rob Nahf       | 2017-04-19 19:12 |          |
| 5450 | Member Nodes     | Task    | In Progress | Normal   | (Waiting for) USC to complete development of MN stack (derived from GMN) | Laura Moyers   | 2018-08-31 15:26 |          |
| 5449 | Member Nodes     | Task    | In Progress | Normal   | Resolve resource map issues for LTER-Europe                              | Chris Jones    | 2014-06-20 17:59 |          |
| 3185 | Member Nodes     | Task    | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN               | Dave Vieglaiss | 2012-09-05 02:12 |          |
| 4672 | Java Client      | Task    | In Progress | Normal   | mvn dependencies:analyse shows transitive dependencies:                  |                | 2015-02-11 20:08 |          |
| 1556 | Infrastructure   | Task    | In Progress | High     | Interns mailing list   |                | 2011-05-12 23:02 |          |
| 8775 | Infrastructure   | Task    | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive              | Bryce Mecum    | 2019-03-11 23:35 |          |
| 8566 | Member Nodes     | Task    | In Progress | Normal   | Test Registration  | Rob Nahf       | 2019-04-16 17:17 |          |
| 4671 | Java Client      | Task    | In Progress | Normal   | suggest updating the following versions:                                 |                | 2015-02-11 20:08 |          |
| 3114 | Infrastructure   | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2                          | Andrew Pippin  | 2012-08-02 17:27 |          |
| 3109 | Infrastructure   | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents                           | Ben Leinfelder | 2012-07-31 01:34 |          |
| 7505 | Member Nodes     | Task    | In Progress | Normal   | Correct generous access policies   | Roger Dahl     | 2018-07-02 20:39 |          |
| 8633 | Member Nodes     | Task    | In Progress | Normal   | DAAC: Re-Training & Re-Deployment Planning                               | Amy Forrester  | 2018-07-02 14:53 |          |
| 8523 | Member Nodes     | Task    | In Progress | Normal   | CAFF: Technical Requirements & Design Planning                           | Amy Forrester  | 2018-06-14 14:21 |          |
| 3046 | Infrastructure   | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats              | Ben Leinfelder | 2012-08-14 23:41 |          |
| 4116 | Member Nodes     | Task    | In Progress | Normal   | Work with FRIM to upgrade Metacat to 2.2.1 or later                      | Jing Tao       | 2015-01-23 19:02 |          |
| 1479 | CN REST          | Task    | In Progress | Normal   | Design web UI for validating newly created identities                    | Ben Leinfelder | 2015-01-19 22:59 |          |
| 4046 | Member Nodes     | Task    | In Progress | Normal   | Laura to check with Mike re USGS-NWRC planning                           | Laura Moyers   | 2013-11-03 21:43 |          |
| 4045 | Member Nodes     | Task    | In Progress | Normal   | Conversation with Laura/Mike re USGS ScienceBase planning                | Laura Moyers   | 2014-05-30 19:45 |          |
| 8522 | Member Nodes     | Task    | In Progress | Normal   | CAFF: MN Communications  | Amy Forrester  | 2018-04-11 14:48 |          |
| 8728 | Member Nodes     | Task    | In Progress | Normal   | Initial Communications (NCAR)  | Amy Forrester  | 2018-10-04 17:24 |          |
| 3868 | Member Nodes     | Task    | In Progress | Normal   | Verify TFRI node is running NTP  | Ben Leinfelder | 2013-08-05 17:25 |          |
| 8378 | Member Nodes     | Task    | In Progress | Normal   | (OTS) replicate data   | Amy Forrester  | 2018-07-31 18:49 |          |
| 7148 | OGC-Slender Node | Task    | In Progress | Normal   | Determine formatId for science metadata                                  | Dave Vieglaiss | 2015-09-22 16:27 |          |
| 5455 | Member Nodes     | Task    | In Progress | Normal   | Contact Line Pouchard to re-open discussion about PURL as a potential MN | Bruce Wilson   | 2015-11-19 19:17 |          |
| 4715 | Infrastructure   | Task    | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN                           | Chris Jones    | 2014-09-24 18:14 |          |
| 8824 | Infrastructure   | Task    | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs                         | Dave Vieglaiss | 2019-06-19 12:11 |          |
| 6927 | Member Nodes     | Task    | In Progress | Normal   | R2R: Register any new object formats in all environments                 | Roger Dahl     | 2017-01-19 01:16 |          |
| 7929 | Member Nodes     | Task    | In Progress | Normal   | Archive content for SEAD   |                | 2016-11-09 17:11 |          |
| 8498 | Member Nodes     | Task    | In Progress | Normal   | SANParks metacat not responding to harvest requests                      | Matthew Jones  | 2019-04-15 18:09 |          |
| 7930 | Member Nodes     | Task    | In Progress | Normal   | verify obsoletion in tDAR sandbox  | Dave Vieglaiss | 2016-12-01 23:47 |          |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---|---------------|------------------|-------------------------------|
| 1159 | Infrastructure | Task    | In Progress | Normal   | Add description of Group creation and management to design specs.                                     | Matthew Jones | 2014-10-01 20:47 |                               |
| 5835 | Member Nodes   | Task    | Ready       | Normal   | GBIF: Local Testing   | Rob Nahf      | 2019-01-24 16:53 |                               |
| 7127 | DataONE API    | Task    | New         | Normal   | Finalize CNAuthentication interface   | Dave Vieglais | 2015-05-21 19:31 | api_documentation             |
| 7839 | DataONE API    | Task    | New         | Normal   | Online documentation places synchronize in CNRead api   | Dave Vieglais | 2016-12-21 09:04 | api_documentation             |
| 6754 | Infrastructure | Task    | New         | Normal   | Architecture API loose ends   | Dave Vieglais | 2015-01-13 18:54 | Architecture Design           |
| 2664 | Infrastructure | Task    | New         | Normal   | Create documentation for how transitivity is enacted for authorization                                | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 2549 | Infrastructure | Task    | New         | Normal   | document the decision   | Matthew Jones | 2012-03-27 22:03 | Authentication, Authorization |
| 3891 | Infrastructure | Task    | New         | Normal   | review vulnerability to BREACH attacks  | Dave Vieglais | 2013-08-07 15:01 | Authentication, Authorization |
| 8237 | Infrastructure | Task    | New         | Normal   | Configure production environment to use new API key under KU ORCID membership                         | Dave Vieglais | 2018-01-09 02:21 | Authentication, Authorization |
| 8238 | Infrastructure | Task    | New         | Normal   | Document contacts and procedure for using KU ORCID membership API key                                 | Dave Vieglais | 2018-01-09 02:22 | Authentication, Authorization |
| 2281 | Infrastructure | Task    | New         | Low      | Possibly update the Identity Management and Authenticated Session Management doc                      | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 3768 | Infrastructure | Task    | New         | Normal   | Add canonical DataONE description paper to citing DataONE web-page                                    | Amber Budden  | 2013-05-16 22:20 | Community Engagement          |
| 925  | Infrastructure | Task    | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                       |               | 2011-10-31 20:32 | d1_client_ONEDrive            |
| 2791 | Infrastructure | Task    | New         | Normal   | verify on dev machines  | Dave Vieglais | 2012-05-21 17:41 | d1_cn_buildout                |
| 5137 | Infrastructure | Task    | New         | Normal   | Fix DataONE CA chain file location in cn-buildout   | Chris Jones   | 2014-04-25 15:06 | d1_cn_buildout                |
| 2896 | Infrastructure | Task    | New         | Normal   | Modify the admin DN in createObjectformat script per environment                                      | Chris Jones   | 2012-10-05 14:23 | d1_cn_buildout                |
| 1226 | Infrastructure | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war                                     |               | 2011-01-13 14:57 | d1_cn_buildout                |
| 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                    |
| 6168 | Infrastructure | Task    | New         | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure  | Chris Jones   | 2014-08-29 16:01 | d1_cn_service                 |
| 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                 |
| 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                 |
| 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                 |
| 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                 |
| 1236 | Infrastructure | Task    | New         | Normal   | Highly variable response times from cn.dataone.org  |               | 2011-01-17 16:34 | d1_cn_service                 |
| 7910 | Infrastructure | Task    | New         | Normal   | schema validation behavior  | Rob Nahf      | 2018-01-18 02:41 | d1_common_java                |

| #    | Project          | Tracker | Status | Priority | Subject   | Assignee      | Updated          | Category            |
|------|------------------|---------|--------|----------|---|---------------|------------------|---------------------|
| 6511 | Java Client      | Task    | New    | Normal   | remove the deprecated MultipartRequestHandler class from d1_common_java                         | Rob Nahf      | 2015-02-11 20:04 | d1_common_java      |
| 1647 | Java Client      | Task    | New    | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                            |               | 2016-06-22 16:51 | d1_common_java      |
| 1555 | Java Client      | Task    | New    | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient                                    | Rob Nahf      | 2015-02-11 19:49 | d1_common_java      |
| 1554 | Java Client      | Task    | New    | Normal   | Create MockHttpClient for testing in d1_common_java   | Rob Nahf      | 2015-02-11 19:49 | d1_common_java      |
| 4660 | Java Client      | Task    | New    | Normal   | src/main/java has XML files   | Robert Waltz  | 2015-02-11 20:08 | d1_common_java      |
| 7425 | Python Libraries | Task    | New    | Normal   | Replace httplib low level use in RestClient with the requests library                           | Dave Vieglais | 2016-03-25 02:03 | d1_common_python    |
| 2147 | Infrastructure   | Task    | New    | Low      | The Python stack does not support Unicode supplementary characters (above 0xffff)               | Roger Dahl    | 2012-04-16 03:50 | d1_common_python    |
| 4120 | Infrastructure   | Task    | New    | Normal   | Display total data downloads in the SummaryView header  | Skye Roseboom | 2014-03-31 17:41 | d1_dashboard        |
| 3763 | Infrastructure   | Task    | New    | Low      | Visualize PyPI download statistics for Python components  | Roger Dahl    | 2014-10-01 21:32 | 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        |
| 1073 | Infrastructure   | Task    | New    | Normal   | Design client application authentication redirection approach                                   | Matthew Jones | 2014-10-01 20:47 | d1_identity_manager |
| 3313 | Infrastructure   | Task    | New    | Normal   | Configure indexer to handle inline eml data   | Skye Roseboom | 2012-10-08 21:01 | d1_indexer          |
| 8703 | Infrastructure   | Task    | New    | Normal   | test the cleaned up indexer in DEV  | Rob Nahf      | 2018-09-24 18:05 | d1_indexer          |
| 3156 | Infrastructure   | Task    | New    | Low      | Design Review: resource map indexing strategy   | Skye Roseboom | 2012-08-27 18:51 | d1_indexer          |
| 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          |
| 8066 | Infrastructure   | Task    | New    | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest                                  | Dave Vieglais | 2017-04-11 23:47 | d1_indexer          |
| 7935 | Infrastructure   | Task    | New    | Normal   | Use a dedicated hazelcast queue as the listener to generate index task                          | Jing Tao      | 2017-02-27 18:07 | d1_indexer          |
| 8078 | Infrastructure   | Task    | New    | Normal   | standardize task serialization for language independence  | Rob Nahf      | 2017-04-25 22:39 | d1_indexer          |
| 3907 | Infrastructure   | Task    | New    | Normal   | MN Integration Test - verify system metadata returned matches expected                          | Rob Nahf      | 2013-08-09 18:48 | d1_integration      |
| 2545 | Infrastructure   | Task    | New    | Normal   | create d1_integration tests using for MN.generateIdentifier                                     | Rob Nahf      | 2014-10-02 17:54 | d1_integration      |
| 3757 | Infrastructure   | Task    | New    | Normal   | Verify Log reporting in MN Tester   | Rob Nahf      | 2013-05-10 17:42 | d1_integration      |
| 7538 | Infrastructure   | Task    | New    | Normal   | look at nodeFactory in how it builds mock CNodes  | Rob Nahf      | 2015-12-10 17:03 | d1_libclient_java   |
| 7537 | Infrastructure   | Task    | New    | Normal   | add nodelist refreshes to NodeLocator classes   | Rob Nahf      | 2015-12-10 16:59 | d1_libclient_java   |
| 1648 | Java Client      | Task    | New    | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                               |               | 2016-06-22 16:51 | d1_libclient_java   |
| 1559 | Java Client      | Task    | New    | Low      | Refactor d1_libclient_java echo tests   | Rob Nahf      | 2015-02-11 19:49 | d1_libclient_java   |
| 8230 | Infrastructure   | Task    | New    | Normal   | review bouncy castle version  | Rob Nahf      | 2018-03-02 21:48 | d1_libclient_java   |
| 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   |
| 7427 | Python Libraries | Task    | New    | Normal   | adjust API signatures in python libraries   | Dave Vieglais | 2016-03-25 01:11 | d1_libclient_python |

| #    | Project          | Tracker | Status | Priority | Subject  | Assignee       | Updated          | Category               |
|------|------------------|---------|--------|----------|--|----------------|------------------|------------------------|
| 7123 | Python Libraries | Task    | New    | Normal   | Send Authorization header carrying authentication token                                      | Roger Dahl     | 2016-04-21 22:37 | d1_libclient_python    |
| 7821 | Python Libraries | Task    | New    | Low      | Verify Expect: 100-Continue header on POST or PUT requests                                   | Roger Dahl     | 2016-06-03 19:58 | d1_libclient_python    |
| 6514 | Infrastructure   | Task    | New    | Normal   | Reharvest all Records to build initial cache   | Robert Waltz   | 2015-01-13 15:56 | d1_log_aggregation     |
| 7682 | Log Reporting    | Task    | New    | Normal   | Sluggish Purging Read Event Cache  |                | 2016-03-17 15:02 | d1_log_aggregation     |
| 8604 | Infrastructure   | Task    | New    | Normal   | Update the static IP lists for robots etc  | Dave Vieglaiss | 2018-06-07 20:56 | d1_log_aggregation     |
| 7702 | Log Reporting    | Task    | New    | Normal   | abnormal strings in ipAddress field of solr  | Robert Waltz   | 2016-06-22 17:18 | d1_log_aggregation     |
| 7104 | Infrastructure   | Task    | New    | Normal   | Event index reindexing shouldn't require re-harvest from MNs                                 |                | 2015-07-09 15:34 | d1_log_aggregation     |
| 3328 | Infrastructure   | Task    | New    | Normal   | Enable a data preview from the search results page   | Chris Jones    | 2012-10-23 19:34 | d1_mercury             |
| 8105 | Infrastructure   | Task    | New    | Normal   | Remove dataone-mercury from production CNs   | Jing Tao       | 2018-03-02 22:17 | d1_mercury             |
| 1227 | Infrastructure   | Task    | New    | Normal   | configure Hudson to build Mercury for deployment to a CN                                     | Dave Vieglaiss | 2011-01-13 15:16 | d1_mercury             |
| 2492 | Infrastructure   | Task    | New    | Normal   | Add status page for given {pid}  | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor             |
| 2035 | Infrastructure   | Task    | New    | Normal   | Design nagios system for monitoring CN locations   | Nick Outin     | 2014-09-24 18:29 | d1_monitor             |
| 8102 | Infrastructure   | Task    | New    | Normal   | Upgrade postgresql jdbc jar file on Portal   | Jing Tao       | 2017-06-02 20:53 | d1_portal              |
| 7884 | Infrastructure   | Task    | New    | Normal   | CN portal log is misconfigured   | Rob Nahf       | 2016-09-09 20:18 | d1_portal_servlet      |
| 6376 | Infrastructure   | Task    | New    | Normal   | test the new strategy against working ReplicationManager test                                | Rob Nahf       | 2016-06-22 16:53 | d1_replication         |
| 8777 | CN REST          | Task    | New    | Normal   | Configure CN to audit objects greater than 1GB   | Chris Jones    | 2019-03-13 20:50 | d1_replication_auditor |
| 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 |
| 8776 | CN REST          | Task    | New    | Normal   | Set valid replica status to completed  | Chris Jones    | 2019-03-12 15:57 | d1_replication_auditor |
| 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     |
| 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     |
| 7911 | CN REST          | Task    | New    | Normal   | Synchronization allows invalid checksums, preventing corrected sync                          |                | 2016-10-17 15:58 | d1_synchronization     |
| 8804 | Infrastructure   | Task    | New    | Normal   | Add ldap backup config to cn os-core   | Dave Vieglaiss | 2019-05-21 12:32 | dataone-cn-os-core     |
| 3468 | Infrastructure   | Task    | New    | Normal   | Explore how CN.listObject can effectively use auto-incremented key                           | Ben Leinfelder | 2013-01-08 18:35 | Documentation          |
| 1983 | Infrastructure   | Task    | New    | Normal   | UC04 describes MNCore.ping() with discovery capability                                       | Dave Vieglaiss | 2014-10-02 17:21 | Documentation          |
| 1961 | Infrastructure   | Task    | New    | Normal   | Types.ErrorMessage - does not exist  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation          |
| 3314 | Infrastructure   | Task    | New    | Normal   | CNRead.getQueryEngineDescription() - REST URL  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation          |
| 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          |
| 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          |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee      | Updated          | Category      |
|------|----------------|---------|--------|----------|---|---------------|------------------|---------------|
| 3315 | Infrastructure | Task    | New    | Normal   | CNRead.query() - POST in addition to GET  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 7279 | Infrastructure | Task    | New    | Normal   | MN implementation documentation - need document management solution                                     | Dave Vieglais | 2015-07-28 22:24 | Documentation |
| 7177 | Infrastructure | Task    | New    | Normal   | Develop video documentation for certificate management  | Dave Vieglais | 2015-06-10 01:33 | Documentation |
| 3063 | Infrastructure | Task    | New    | Normal   | Change Mutability of Metadata documentation   | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 1502 | Infrastructure | Task    | New    | Normal   | Fix hierarchy of permission levels.   | Matthew Jones | 2014-10-01 20:47 | Documentation |
| 4190 | Infrastructure | Task    | New    | Normal   | Update architecture docs to import dataoneErrors.xsd  | Dave Vieglais | 2014-09-24 18:28 | Documentation |
| 2826 | Infrastructure | Task    | New    | Normal   | MNStorage.archive() - Permissions   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 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 |
| 4102 | Infrastructure | Task    | New    | Normal   | Add expiration policy for CNCORE.reservedIdentifier()   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3438 | Infrastructure | Task    | New    | Normal   | Evaluate utility of schema.org  |               | 2012-12-21 16:15 | Documentation |
| 2794 | Infrastructure | Task    | New    | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"                  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 7176 | Infrastructure | Task    | New    | Normal   | Develop textual documentation for certificate management  | Dave Vieglais | 2015-06-10 01:33 | Documentation |
| 2793 | Infrastructure | Task    | New    | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header                   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2688 | Infrastructure | Task    | New    | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison            | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 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 |
| 3901 | Infrastructure | Task    | New    | Normal   | Review Mozilla Persona as an alternative for identity management  | Dave Vieglais | 2013-08-09 11:57 | Documentation |
| 3881 | Infrastructure | Task    | New    | Normal   | 4.2.1.4 Definition of Verified User Lacking   | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 2508 | Infrastructure | Task    | New    | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.                            | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2475 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - How to represent null  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2466 | Infrastructure | Task    | New    | Normal   | Authentication - Remove references to Principal   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3807 | Infrastructure | Task    | New    | Normal   | Add documentation for Types.QueryEngineDescription  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2465 | Infrastructure | Task    | New    | Normal   | Authentication - Remove TODO about selecting format for principal name                                  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2464 | Infrastructure | Task    | New    | Normal   | Authentication - no space after comma in subjects   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 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 |
| 2394 | Infrastructure | Task    | New    | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 6624 | Infrastructure | Task    | New    | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page   |               | 2014-11-21 20:29 | Documentation |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee          | Updated          | Category               |
|------|----------------|---------|--------|----------|---|-------------------|------------------|------------------------|
| 2342 | Infrastructure | Task    | New    | Normal   | CNCore.reserveldentifier() - Update REST description  | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 2286 | Infrastructure | Task    | New    | Low      | Change Exceptions.InvalidToken to Exceptions.InvalidSession   | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 2227 | Infrastructure | Task    | New    | Normal   | Specify valid mimetypes for responses   | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 2172 | Infrastructure | Task    | New    | Normal   | Types.DateTime: Example serialization without TZ designator   | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 3598 | Infrastructure | Task    | New    | Normal   | Node document subject description is a bit unclear  | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 2142 | Infrastructure | Task    | New    | Normal   | MNReplication.getReplica() - include PID in signature   | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 2123 | Infrastructure | Task    | New    | Normal   | Description of serialVersion  | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 2083 | Infrastructure | Task    | New    | Normal   | Split the CN API into public and private sections   | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 2054 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()   | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 2051 | Infrastructure | Task    | New    | Normal   | Use subject instead of NodeRef  |                   | 2011-11-23 18:11 | Documentation          |
| 7607 | Infrastructure | Task    | New    | Normal   | LTER_EUROPE refuses the production CN from harvesting log records   | Laura Moyers      | 2016-06-09 16:34 | Environment.Production |
| 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 |
| 7641 | Infrastructure | Task    | New    | Normal   | contact ONEShare  | Laura Moyers      | 2016-02-12 16:40 | Environment.Production |
| 5136 | Infrastructure | Task    | New    | Normal   | Change DNS settings on all DataONE VMs  | Chris Jones       | 2014-05-08 03:16 | Environment.Production |
| 4200 | Infrastructure | Task    | New    | Normal   | Update replication.properties with metacat database password after upgrade before starting process daemon | Chris Jones       | 2013-12-11 20:34 | Environment.Production |
| 3880 | Infrastructure | Task    | New    | Normal   | 4.2.1.3 CILogon Extension Not Documented  |                   | 2014-09-24 18:27 | Environment.Production |
| 3879 | Infrastructure | Task    | New    | Normal   | 4.2.1.2 Missing Policies and Expectations   |                   | 2014-09-24 18:27 | Environment.Production |
| 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 |
| 3612 | Infrastructure | Task    | New    | Normal   | CN SystemMetadata has incomplete obsoletedBy information  | Ben Leinfelder    | 2013-03-08 17:43 | Environment.Production |
| 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 |
| 6706 | Infrastructure | Task    | New    | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"                           | Robert Waltz      | 2015-10-09 17:38 | Environment.Sandbox    |
| 6761 | Infrastructure | Task    | New    | Normal   | unregister extraneous nodes in STAGE-2  |                   | 2015-01-14 00:49 | Environment.Stage2     |
| 6876 | Infrastructure | Task    | New    | Normal   | Support for ISO 19139 metadata standard   |                   | 2015-03-10 17:27 | Format ID              |
| 6877 | Infrastructure | Task    | New    | Normal   | Support for ISO 19115 metadata standard   |                   | 2015-03-10 18:08 | Format ID              |
| 2031 | Infrastructure | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UCSB                                   | Nick Outin        | 2014-09-24 18:29 | Hardware               |
| 5988 | Infrastructure | Task    | New    | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                                   | Jing Tao          | 2014-07-22 23:18 | Hardware               |
| 6367 | Infrastructure | Task    | New    | Normal   | Update drive firmware on P2-1 UCSB SAN Array  | Nick Outin        | 2014-09-08 20:19 | Hardware               |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee        | Updated          | Category           |
|------|----------------|---------|--------|----------|---|-----------------|------------------|--------------------|
| 2030 | Infrastructure | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UNM  | Dave Vieglaiss  | 2014-09-24 18:29 | Hardware           |
| 2033 | Infrastructure | Task    | New    | Normal   | Document hardware / CN administrators and their contact info  | Dave Vieglaiss  | 2014-09-24 18:29 | Management         |
| 2029 | Infrastructure | Task    | New    | Normal   | Document VM specifications for replication MNs  | Dave Vieglaiss  | 2014-09-24 18:29 | Management         |
| 2028 | Infrastructure | Task    | New    | Normal   | Document VM specifications for CNs  | Dave Vieglaiss  | 2014-09-24 18:29 | Management         |
| 3467 | Infrastructure | Task    | New    | Normal   | MN.listObject should use auto-incremented key   | Ben Leinfelder  | 2013-01-08 18:31 | Metacat            |
| 3465 | Infrastructure | Task    | New    | Normal   | Improve Metacat listObject slicing  | Ben Leinfelder  | 2013-01-08 18:54 | Metacat            |
| 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            |
| 3175 | Infrastructure | Task    | New    | Normal   | Include dataoneTypes.xsd in Metacat registered schemas  | Chris Jones     | 2012-10-05 14:23 | Metacat            |
| 8224 | Infrastructure | Task    | New    | Normal   | metacat not promoting node token privs for solr   | Jing Tao        | 2017-12-04 19:33 | Metacat            |
| 3626 | Infrastructure | Task    | New    | Normal   | Metacat should use correct object format for ESRI profile metadata  | Ben Leinfelder  | 2013-02-27 23:56 | Metacat            |
| 3616 | Infrastructure | Task    | New    | Normal   | Enable ServiceMethodRestriction support in Metacat  | Chris Jones     | 2013-02-27 16:28 | Metacat            |
| 8104 | Infrastructure | Task    | New    | Normal   | Upgrade postgresql jdbc jar file on Metacat   | Jing Tao        | 2017-06-02 20:58 | Metacat            |
| 1225 | Infrastructure | Task    | New    | Normal   | Configure Hudson Metacat build  |                 | 2011-01-13 14:41 | Metacat            |
| 3488 | Infrastructure | Task    | New    | Normal   | Create custom merge policy to support managing data/information inconsistency                                   | Chris Jones     | 2014-03-14 17:27 | Metacat            |
| 3067 | Infrastructure | Task    | New    | Normal   | Old DAAC PIDs to archive  | Dave Vieglaiss  | 2013-01-02 14:14 | mn.Mercury         |
| 2594 | Infrastructure | Task    | New    | Normal   | Prepare a Mercury MN overview for the workshop  | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury         |
| 3596 | Infrastructure | Task    | New    | Normal   | Fix Merritt Repository resource map typing of triple objects  | John Kunze      | 2013-02-19 02:27 | mn.Merritt         |
| 6398 | Infrastructure | Task    | New    | Normal   | update MNWebTest operations docs  | 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       |
| 6478 | Infrastructure | Task    | New    | Normal   | move mncheck VM to a different VMhost   | Dave Vieglaiss  | 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       |
| 3924 | Infrastructure | Task    | New    | Normal   | Pids in ObjectList should be the same as pids in the systemMetadata Map   | Rob Nahf        | 2014-10-01 22:04 | MNWebChecker       |
| 3925 | Infrastructure | Task    | New    | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN                                     | Rob Nahf        | 2014-10-01 22:04 | MNWebChecker       |
| 3577 | Infrastructure | Task    | New    | Normal   | Confusing message about "Ignored Tests present".  | Rob Nahf        | 2013-02-14 22:36 | MNWebChecker       |
| 3082 | Infrastructure | Task    | New    | Normal   | Morpho should not rely on CN for any critical features  |                 | 2013-03-02 05:26 | Morpho             |
| 3076 | Infrastructure | Task    | New    | Normal   | Allow user to specify Morpho storage directory  |                 | 2013-03-02 05:29 | Morpho             |
| 2018 | Infrastructure | Task    | New    | Normal   | document DataONE CA operations procedures   | Matthew Jones   | 2012-04-23 17:53 | Support Operations |
| 3333 | Infrastructure | Task    | New    | Low      | Generalize mk_* scripts for host name   | Dave Vieglaiss  | 2012-10-11 18:50 | Support Operations |
| 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 |
| 1671 | Infrastructure | Task    | New    | Normal   | Need folder for DUG, accessible by DUG members  | Matthew Jones   | 2011-07-12 12:09 | Support Operations |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee          | Updated          | Category           |
|------|----------------|---------|--------|----------|---|-------------------|------------------|--------------------|
| 6394 | Infrastructure | Task    | New    | Normal   | Resolve SSL certificate connection errors for UNM Epescor Tier 4 MN in development                            | Chris Jones       | 2014-09-18 18:39 | Support Operations |
| 7184 | Infrastructure | Task    | New    | Normal   | Create an Ansible script that can replace a server certificate  | Nick Outin        | 2015-06-15 15:10 | Support Operations |
| 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 |
| 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 |
| 3810 | Infrastructure | Task    | New    | Normal   | Identify and setup location for user oriented operational docs  | Dave Vieglais     | 2014-09-24 18:27 | Support Operations |
| 2344 | Infrastructure | Task    | New    | Normal   | Add category for Ben's style sheets in Redmine  | Dave Vieglais     | 2012-02-15 17:45 | Support Operations |
| 3511 | Infrastructure | Task    | New    | Normal   | Issue certificates from D1TestIntCA for stage environment nodes, and revoke certificates signed by D1TestCA   | Chris Jones       | 2014-09-24 18:25 | Support Operations |
| 3510 | Infrastructure | Task    | New    | Normal   | Issue certificates from D1TestIntCA for sandbox environment nodes, and revoke certificates signed by D1TestCA | Chris Jones       | 2014-09-24 18:25 | Support Operations |
| 3509 | Infrastructure | Task    | New    | Normal   | Issue certificates from D1TestIntCA for dev environment nodes, and revoke certificates signed by D1TestCA     | Chris Jones       | 2014-09-24 18:25 | Support Operations |
| 3466 | Infrastructure | Task    | New    | Normal   | Add synthetic key to systemMetadata table   | Ben Leinfelder    | 2013-01-08 18:30 |                    |
| 7749 | Member Nodes   | Task    | New    | Normal   | Evaluate disposition of the ESA MN's current content  | Matthew Jones     | 2016-04-26 19:52 |                    |
| 7744 | Infrastructure | Task    | New    | Normal   | put together initial design   |                   | 2016-06-22 17:19 |                    |
| 3410 | Member Nodes   | Task    | New    | Normal   | Develop a Redmine Cheatsheet to help with a wider REDMine user community interacting with MN issues           | John Cobb         | 2012-11-30 19:36 |                    |
| 3411 | Member Nodes   | Task    | New    | Normal   | Collate documents of relevance to MN deployment and operation   | Dave Vieglais     | 2012-12-01 18:33 |                    |
| 7533 | DUG            | Task    | New    | Normal   | Create DUG 2016 Meeting page  |                   | 2015-12-08 21:44 |                    |
| 6748 | Java Client    | Task    | New    | Normal   | Create a factory / builder class for converting versioned types.  |                   | 2015-02-11 19:47 |                    |
| 3373 | Infrastructure | Task    | New    | Normal   | If id contains "/", the MNode.getSysteMetadata method fails.  |                   | 2012-11-06 02:05 |                    |
| 7199 | Python GMN     | Task    | New    | Normal   | Implement support for token authentication approach   | Dave Vieglais     | 2016-03-25 01:27 |                    |
| 6483 | Infrastructure | Task    | New    | Normal   | DataONE xsede VM at ORC   | Michael Campfield | 2014-10-24 10:54 |                    |
| 3374 | Member Nodes   | Task    | New    | Normal   | Move kepler-library.org Metacat to new server   | Ben Leinfelder    | 2012-11-08 00:31 |                    |
| 6697 | Member Nodes   | Task    | New    | Normal   | FTGEN: Verify CN Content and Services in Production   |                   | 2014-12-04 20:07 |                    |
| 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 |                    |
| 6380 | Member Nodes   | Task    | New    | Normal   | ICMBIO: Initial Preparation   |                   | 2015-11-19 17:21 |                    |
| 3371 | Infrastructure | Task    | New    | Normal   | unmarshalTypeFromFile method is using FileReader  |                   | 2012-10-29 19:15 |                    |
| 6695 | Member Nodes   | Task    | New    | Normal   | FTGEN: Verify MN Content and Services in Production   |                   | 2014-12-04 20:07 |                    |
| 8614 | Member Nodes   | Task    | New    | Normal   | BCO-DMO: testing the member node  | Matthew Jones     | 2018-06-13 15:48 |                    |
| 7229 | Python GMN     | Task    | New    | Normal   | non-standard server certificate locations   | Roger Dahl        | 2016-04-21 22:37 |                    |



| #    | Project               | Tracker | Status | Priority | Subject  | Assignee       | Updated          | Category |
|------|-----------------------|---------|--------|----------|--|----------------|------------------|----------|
| 7571 | CN REST               | Task    | New    | Normal   | Description for error code 401, detail code 4957 is misleading in some cases                         |                | 2016-01-05 16:25 |          |
| 1890 | Infrastructure        | Task    | New    | Normal   | Comply with Maven Central requirements for publishing artifacts                                      | Matthew Jones  | 2011-10-27 21:39 |          |
| 1001 | Infrastructure        | Task    | New    | Normal   | Link documentation living with projects into ArchitectureDocs  |                | 2010-10-21 14:55 |          |
| 7256 | Python Libraries      | Task    | New    | Normal   | add cnclient.synchronize method  | Roger Dahl     | 2016-04-21 22:37 |          |
| 7849 | CN REST               | Task    | New    | Normal   | Improve exception messages when cascading SSL derived exceptions                                     | Rob Nahf       | 2016-07-19 17:23 |          |
| 3260 | Member Nodes          | Task    | New    | Normal   | Scope out the implementation of a CitSci.org MN  | Bruce Wilson   | 2012-09-20 20:51 |          |
| 6048 | Member Nodes          | Task    | New    | Normal   | Fix 404 NotFound erros on the EDORA MN   | Jim Green      | 2014-11-24 14:57 |          |
| 6693 | Member Nodes          | Task    | New    | Normal   | FTGEN: Establish DataONE user identity in Production   |                | 2014-12-04 20:07 |          |
| 995  | Infrastructure        | Task    | New    | Normal   | implement JSON formatted OLLs  |                | 2010-10-25 16:45 |          |
| 6696 | Member Nodes          | Task    | New    | Normal   | FTGEN: Register MN in Production   |                | 2014-12-04 20:07 |          |
| 1808 | Infrastructure        | Task    | New    | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()   |                | 2011-10-04 16:08 |          |
| 7125 | Python GMN            | Task    | New    | Normal   | Handle Authorization header carrying authentication token  | Roger Dahl     | 2016-04-21 22:37 |          |
| 7767 | Infrastructure        | Task    | New    | Normal   | In DataONE search results, move map display to map extent  | Dave Vieglaiss | 2016-05-04 18:31 |          |
| 6694 | Member Nodes          | Task    | New    | Normal   | FTGEN: Configure SSL Certificates for Production   |                | 2014-12-04 20:07 |          |
| 1762 | Infrastructure        | Task    | New    | Normal   | Sketch CN components and associations  | Dave Vieglaiss | 2014-10-02 17:40 |          |
| 6692 | Member Nodes          | Task    | New    | Normal   | FTGEN: Show MN as "upcoming" on the dashboard  |                | 2014-12-04 20:07 |          |
| 8576 | Search UI             | Task    | New    | Normal   | Remove Code Changes Specific to Appearance of Data Citation for PANGAEA formatID                     | Monica Ihli    | 2018-04-30 13:29 |          |
| 991  | Infrastructure        | Task    | New    | Low      | implement HEAD /resolve/<guid>   |                | 2010-10-13 22:02 |          |
| 5884 | Member Nodes          | Task    | New    | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type                         |                | 2016-07-02 12:45 |          |
| 8362 | Infrastructure        | Task    | New    | Normal   | Add the indication that the cn account list is sliced  |                | 2018-02-12 17:48 |          |
| 7524 | DUG                   | Task    | New    | Normal   | Explore crowd sourcing for future DUG marketing effort   |                | 2015-12-07 22:25 |          |
| 7863 | DUG                   | Task    | New    | Normal   | Link to the recordings   |                | 2016-08-09 20:40 |          |
| 7899 | Member Nodes          | Task    | New    | Normal   | R2R: modify searchUI to accommodate composite data density with cruise paths                         | Lauren Walker  | 2016-10-05 03:51 |          |
| 8344 | Testing MN Management | Task    | New    | Normal   | MN Communications  |                | 2018-02-22 19:47 |          |
| 8341 | Testing MN Management | Task    | New    | Normal   | Initial Communications   |                | 2018-02-22 19:14 |          |
| 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 |          |
| 5865 | Member Nodes          | Task    | New    | Normal   | GBIF: Log record access  |                | 2016-07-02 12:45 |          |
| 3216 | Member Nodes          | Task    | New    | Normal   | Contact GEO BON for possible MN  | Matthew Jones  | 2012-09-05 03:29 |          |

| #    | Project               | Tracker | Status | Priority | Subject   | Assignee       | Updated          | Category |
|------|-----------------------|---------|--------|----------|---|----------------|------------------|----------|
| 5841 | Member Nodes          | Task    | New    | Normal   | GBIF: SSL Certificates  |                | 2019-01-28 14:40 |          |
| 8356 | Testing MN Management | Task    | New    | Normal   | Formal Announcement   |                | 2018-02-23 19:06 |          |
| 1651 | Infrastructure        | Task    | New    | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid              |                | 2016-06-22 16:51 |          |
| 8353 | Testing MN Management | Task    | New    | Normal   | Implement in Production   |                | 2018-02-08 15:29 |          |
| 1650 | Infrastructure        | Task    | New    | Normal   | Update d1_cn_service ProxyCNCoreService and CNCoreController to include addFormat() |                | 2016-06-22 16:51 |          |
| 8355 | Testing MN Management | Task    | New    | Normal   | Mutual Acceptance   |                | 2018-02-08 15:28 |          |
| 8354 | Testing MN Management | Task    | New    | Normal   | Register in Production  |                | 2018-02-08 15:28 |          |
| 3212 | Member Nodes          | Task    | New    | Normal   | Collect metadata for the Taiwan TERN member node                                    | Matthew Jones  | 2014-02-20 21:58 |          |
| 8351 | Testing MN Management | Task    | New    | Normal   | Display as Upcoming   |                | 2018-02-08 15:28 |          |
| 8350 | Testing MN Management | Task    | New    | Normal   | Test Registration   |                | 2018-02-08 15:28 |          |
| 1649 | Infrastructure        | Task    | New    | Normal   | Update Metacat's CNCoreImpl to include addFormat()                                  |                | 2016-06-22 16:51 |          |
| 8349 | Testing MN Management | Task    | New    | Normal   | Develop or Implement MN Software  |                | 2018-02-08 15:28 |          |
| 3210 | Member Nodes          | Task    | New    | Normal   | Collect application metadata for the AKN member node                                | Ben Leinfelder | 2013-01-08 19:23 |          |
| 8587 | Member Nodes          | Task    | New    | Normal   | Add DataONE Logo to SanParks website  | Jing Tao       | 2018-05-09 21:19 |          |
| 7531 | DUG                   | Task    | New    | Normal   | Quote request for EAB meeting   |                | 2015-12-08 20:13 |          |
| 7774 | Infrastructure        | Task    | New    | Normal   | GMN: Move to Let's Encrypt  |                | 2016-05-09 22:16 |          |
| 3208 | Member Nodes          | Task    | New    | Normal   | Collate node application metadata for the BIOTA - FAPESP MN                         | Matthew Jones  | 2015-12-03 19:36 |          |
| 3204 | Member Nodes          | Task    | New    | Normal   | Collate MN metadata for review  | Mike Frame     | 2015-12-03 19:36 |          |
| 3380 | Infrastructure        | Task    | New    | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x   | Dave Vieglaais | 2012-12-12 16:50 |          |
| 7103 | Member Nodes          | Task    | New    | Normal   | Create a new test certificate for mnStagePISCO                                      | Dave Vieglaais | 2015-05-14 18:29 |          |
| 7703 | Python GMN            | Task    | New    | Normal   | GMN populating ipAddress in LogEntry with abnormal strings                          | Roger Dahl     | 2016-06-22 17:19 |          |
| 5454 | Member Nodes          | Task    | New    | Normal   | Evaluate dataverse poential MN  | Bruce Wilson   | 2014-05-29 19:30 |          |
| 8464 | Testing MN Management | Task    | New    | Normal   | test: Metadata Validation   |                | 2018-03-01 21:04 |          |
| 1646 | Infrastructure        | Task    | New    | Normal   | Add addFormat() to the CNCore API   |                | 2016-06-22 16:51 |          |
| 6691 | Member Nodes          | Task    | New    | Normal   | FTGEN: Check Authentication and Authorization in Testing Environment                |                | 2014-12-04 20:07 |          |
| 7532 | DUG                   | Task    | New    | Normal   | Registration Form for 2016.   |                | 2015-12-08 21:30 |          |