

## Issues

| #    | Project               | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category                      |
|------|-----------------------|---------|-------------|----------|---|---------------|------------------|-------------------------------|
| 8173 | Infrastructure        | Story   | New         | High     | add checks for retrograde systemMetadata changes  | Jing Tao      | 2018-01-17 18:38 | d1_indexer                    |
| 8823 | Infrastructure        | Story   | New         | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04   | Dave Viegla   | 2019-06-19 02:43 |                               |
| 8525 | Infrastructure        | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization  | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization            |
| 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 Hazelcast version very out of date.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            |
| 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 |                               |
| 4091 | Infrastructure        | Story   | New         | Normal   | ESRI GeoPortal MN stack   |               | 2013-10-15 13:36 |                               |
| 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            |
| 7224 | Infrastructure        | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option  |               | 2018-01-17 19:38 | Architecture Design           |
| 8162 | Infrastructure        | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes  | Rob Nahf      | 2018-03-02 21:47 | d1_replication                |
| 7640 | Infrastructure        | Story   | New         | Normal   | ONEShare failing with ServiceFailure  | Laura Moyers  | 2016-02-12 16:39 | Environment.Production        |
| 2548 | Infrastructure        | Story   | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users  |               | 2018-01-17 20:36 | Authentication, Authorization |
| 8367 | Infrastructure        | Story   | New         | Normal   | Duplicate jenkins jobs from UNM to UCSB   | Dave Viegla   | 2019-01-22 19:25 | Support Operations            |
| 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                    |
| 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                     |
| 8832 | Member Nodes          | Story   | New         | Normal   | Conflict between pyshacl and owl on ubuntu  | John Evans    | 2019-08-05 19:32 |                               |
| 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            |
| 7940 | Infrastructure        | Story   | New         | Normal   | Retrieval of system metadata is too slow  | Robert Waltz  | 2018-01-09 19:10 | d1_cn_service                 |
| 8352 | Testing MN Management | Story   | New         | Normal   | Move to Production  |               | 2018-02-08 15:28 |                               |
| 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                  |
| 8568 | Member Nodes          | Story   | New         | Normal   | (CyVerse) Move to production  |               | 2018-04-23 21:18 |                               |
| 8244 | Member Nodes          | Story   | New         | Normal   | Upgrade Member Node to current version of Metacat (IOE)   | Amy Forrester | 2018-01-25 15:36 |                               |
| 6883 | Infrastructure        | Story   | New         | Normal   | support for ESRI Shapefile object format  |               | 2018-01-17 19:40 | Format ID                     |
| 6056 | Infrastructure        | Story   | New         | Normal   | remove log aggregation processing from d1-processing Linux service  | Dave Viegla   | 2018-01-17 19:55 | d1_log_aggregation            |
| 5895 | Member Nodes          | Story   | New         | Normal   | GBIF: Transition to production  |               | 2018-01-22 18:41 |                               |

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| 8582 | CN REST               | Story   | New    | Normal   | Replica Auditing service is throwing errors   | Jing Tao      | 2019-01-14 16:40 | d1_replication_auditor        |
| 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                    |
| 8109 | Infrastructure        | Story   | New    | Normal   | Does authentication token need to include group information?                                    | Dave Vieglais | 2018-01-17 18:45 | Authentication, Authorization |
| 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                    |
| 8363 | Infrastructure        | Story   | New    | Normal   | indexer shutdown generates index tasks  | Rob Nahf      | 2018-09-24 15:25 | d1_indexer                    |
| 8073 | Python GMN            | Story   | New    | Normal   | Make sure unnecessary services are disabled   | Roger Dahl    | 2018-01-17 18:48 |                               |
| 8734 | Infrastructure        | Story   | New    | Normal   | Hazelcast shutdown tied to out of memory exception!   | Rob Nahf      | 2018-10-18 16:55 | Metacat                       |
| 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                    |
| 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                   |
| 8564 | Member Nodes          | Story   | New    | Normal   | (CyVerse) Testing & Development   | Rob Nahf      | 2018-07-02 19:56 |                               |
| 8796 | Infrastructure        | Story   | New    | Normal   | Various issues with service access after upgrade to 18.04                                       | Jing Tao      | 2019-05-21 12:38 |                               |
| 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             |
| 8204 | Infrastructure        | Story   | New    | Normal   | Adjust memory allocation for services running under JVM on CNs                                  |               | 2018-01-09 19:10 |                               |
| 6513 | Infrastructure        | Story   | New    | Normal   | Create a Local Cache of all Membernode log records on the single master CN                      | Dave Vieglais | 2018-01-17 19:49 | d1_log_aggregation            |
| 8074 | Python GMN            | Story   | New    | Normal   | Eliminate unnecessary setuid/setgid programs  | Roger Dahl    | 2018-01-17 18:48 |                               |
| 8347 | Testing MN Management | Story   | New    | Normal   | Testing & Development   |               | 2018-02-08 15:28 |                               |
| 6069 | Infrastructure        | Story   | New    | Normal   | open ask.dataone.org sign-in to community   | Dave Vieglais | 2014-10-01 20:39 | Documentation                 |
| 6796 | Python Libraries      | Story   | New    | Normal   | Migrate to Python v3  | Roger Dahl    | 2018-01-17 19:43 |                               |
| 8782 | Infrastructure        | Story   | New    | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao      | 2019-03-22 18:12 |                               |
| 8791 | Infrastructure        | Story   | New    | Normal   | Complete deprecation of ONEMercury interface  | Rob Nahf      | 2019-05-01 14:00 | d1_mercury                    |
| 8842 | Infrastructure        | Story   | New    | Normal   | Some exceptions in Metacat  |               | 2019-09-19 17:53 |                               |
| 5867 | Member Nodes          | Story   | New    | Normal   | GBIF: Registration in Production environment  |               | 2019-01-24 17:08 |                               |
| 7605 | Infrastructure        | Story   | New    | Normal   | MemberNodes not authorizing CN to harvest log records   | Dave Vieglais | 2018-01-17 19:33 | Environment.Production        |
| 6850 | Java Client           | Story   | New    | Normal   | automate Java Client releases   | Rob Nahf      | 2018-01-17 19:42 | d1_libclient_java             |
| 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        |
| 7166 | OGC-Slender Node      | Story   | New    | Normal   | Create ORE document for an NODC data package  | Dave Vieglais | 2015-06-08 18:50 |                               |
| 7668 | Infrastructure        | Story   | New    | Normal   | Determine how indexing of data packages should work   | Jing Tao      | 2018-01-17 19:28 | d1_indexer                    |
| 3720 | Infrastructure        | Story   | New    | Normal   | resource maps should be validated   | Dave Vieglais | 2018-01-17 20:17 | Documentation                 |

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| 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                    |
| 8521 | Member Nodes          | Story   | New    | Normal   | CAFF: Testing & Development   |                | 2018-04-06 15:17 |                               |
| 8702 | Infrastructure        | Story   | New    | Normal   | Indexing Refactor Strategy  | Rob Nahf       | 2018-09-24 18:05 | d1_indexer                    |
| 7611 | Infrastructure        | Story   | New    | Normal   | ORNLDAAC fails during log aggregation   | Laura Moyers   | 2016-01-26 16:39 | Environment.Production        |
| 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 |                               |
| 7810 | Infrastructure        | Story   | New    | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation                          | Rob Nahf       | 2018-01-17 19:09 |                               |
| 8213 | Member Nodes          | Story   | New    | Normal   | KUBI node is not responding as a MN   | Dave Vieglaiss | 2017-11-06 22:18 |                               |
| 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 |                               |
| 8234 | Infrastructure        | Story   | New    | Normal   | Use University of Kansas ORCID membership to support authentication in production environment         | Dave Vieglaiss | 2018-01-09 19:10 | Authentication, Authorization |
| 8862 | Infrastructure        | Story   | New    | Normal   | Deploy a new dataone-cn-rest release  | Jing Tao       | 2020-04-23 16:24 |                               |
| 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            |
| 8683 | Member Nodes          | Story   | New    | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN  | John Evans     | 2019-05-15 14:03 |                               |
| 8515 | Testing MN Management | Story   | New    | Normal   | meow: Move to Production  |                | 2018-03-22 20:45 |                               |
| 8749 | CN REST               | Story   | New    | Normal   | Fix log aggregation events from the CN without associated CN IPs                                      | Dave Vieglaiss | 2019-05-01 22:25 |                               |
| 8639 | Infrastructure        | Story   | New    | Normal   | Replication performance is too slow to service demand   | Chris Jones    | 2018-07-04 11:18 | d1_replication                |
| 8853 | Infrastructure        | Story   | New    | Normal   | Make cn.resolve smarter   |                | 2019-11-15 16:50 |                               |
| 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                     |
| 7889 | Infrastructure        | Story   | New    | Normal   | Synchronization not happening when authoritativeMN is not set correctly.                              | Rob Nahf       | 2018-01-17 19:01 | d1_synchronization            |
| 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             |
| 8851 | Infrastructure        | Story   | New    | Normal   | CN sends error doc with "pid" to v2 endpoint  | Jing Tao       | 2019-11-06 22:31 | d1_synchronization            |
| 8806 | Infrastructure        | Story   | New    | Normal   | Cleanup from OS upgrades  |                | 2019-05-21 12:45 |                               |
| 8849 | Infrastructure        | Story   | New    | Normal   | During sync, the CN does not detect error returned from getChecksum()                                 | Jing Tao       | 2019-11-06 22:07 |                               |
| 8848 | Infrastructure        | Story   | New    | Normal   | A minor difference of annotation index between CN and MN  |                | 2019-11-01 21:37 |                               |
| 8756 | CN REST               | Story   | New    | Normal   | Ensure replica auditor is effective   | Chris Jones    | 2019-01-15 21:00 | d1_replication_auditor        |
| 8589 | Member Nodes          | Story   | New    | Normal   | ARM: Re-Discovery & Planning  |                | 2018-05-10 21:44 |                               |
| 8574 | Search UI             | Story   | New    | Normal   | PANGAEA Temporary Fix: SID only in Data Citation  | Bryce Mecum    | 2018-05-01 01:45 |                               |
| 1644 | DataONE API           | Story   | New    | Normal   | Develop an object format creation policy  |                | 2018-01-17 20:46 |                               |
| 8343 | Testing MN Management | Story   | New    | Normal   | Planning  |                | 2018-02-08 15:28 |                               |

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| 8084 | Infrastructure        | Story   | New    | Normal   | determine the backup strategy for rabbitMQ  | Rob Nahf       | 2018-01-17 18:46 | d1_indexer          |
| 8540 | Infrastructure        | Story   | New    | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor   | Rob Nahf       | 2018-04-12 04:32 | 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          |
| 8463 | Testing MN Management | Story   | New    | Normal   | test: Testing & Development   |                | 2018-03-01 21:04 |                     |
| 8207 | Infrastructure        | Story   | New    | Normal   | review and adjust memory allocated to d1-processing   |                | 2018-01-09 19:10 |                     |
| 8340 | Testing MN Management | Story   | New    | Normal   | Discovery   |                | 2018-02-08 15:28 |                     |
| 8167 | Infrastructure        | Story   | New    | Normal   | Enable postgres replication between Coordinating Nodes  | Monica Ihli    | 2018-01-09 19:10 | dataone-cn-os-core  |
| 8366 | Infrastructure        | Story   | New    | Normal   | Migrate jenkins continuous integration from UNM to UCSB   | Dave Vieglaiss | 2019-01-22 19:26 | Support Operations  |
| 8833 | Member Nodes          | Story   | New    | Normal   | Problems utilizing pyshacl within SlenderNodes  | John Evans     | 2019-08-09 18:20 |                     |
| 8864 | CN REST               | Story   | New    | Normal   | Sychronization does not register authoritative replica entry correctly  | Jing Tao       | 2020-06-19 21:59 | d1_synchronization  |
| 8504 | Infrastructure        | Story   | New    | Normal   | Support creation of data citation record from solr record   | Monica Ihli    | 2018-07-17 23:06 | d1_indexer          |
| 8771 | CN REST               | Story   | New    | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`   | Dave Vieglaiss | 2019-03-05 19:43 | d1_cn_rest          |
| 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 |
| 8634 | Member Nodes          | Story   | New    | Normal   | DAAC: Testing & Development   | Dave Vieglaiss | 2018-07-02 14:55 |                     |
| 8736 | Infrastructure        | Story   | New    | Normal   | Decouple the index generator to the hazelcast system metadata map   |                | 2019-01-22 19:27 | d1_indexer          |
| 5838 | Member Nodes          | Story   | New    | Normal   | GBIF: Testing   |                | 2019-01-28 14:39 |                     |
| 8869 | Infrastructure        | Story   | New    | Normal   | Equivalent identities show owning different amount of packages.   | Jing Tao       | 2020-09-24 22:34 | d1_indexer          |
| 7559 | Infrastructure        | Story   | New    | Normal   | Develop plan for securing application passwords in the CN stack   | Dave Vieglaiss | 2018-01-17 19:34 | Architecture Design |
| 7859 | Infrastructure        | Story   | New    | Normal   | Add formatID for the STL 3d model file format   | Dave Vieglaiss | 2018-01-17 19:04 |                     |
| 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  |
| 8061 | Infrastructure        | Story   | New    | Normal   | develop queue-based processing system for the CN  | Rob Nahf       | 2018-01-17 19:00 | Architecture Design |
| 8758 | Infrastructure        | Story   | New    | Normal   | Index replicationStatus field   | Jing Tao       | 2019-01-14 18:00 | d1_indexer          |
| 3656 | Infrastructure        | Story   | New    | Normal   | integration testing: what are acceptable pids for update?   | Roger Dahl     | 2018-01-17 20:22 |                     |
| 8381 | Testing MN Management | Story   | New    | Normal   | Discovery   |                | 2018-02-27 17:32 |                     |
| 4278 | Infrastructure        | Story   | New    | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements  | Jing Tao       | 2018-01-17 20:04 | d1_indexer          |
| 7650 | Infrastructure        | Story   | New    | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy   | Rob Nahf       | 2018-01-17 19:31 | d1_cn_common        |
| 2944 | Infrastructure        | Story   | New    | Normal   | Design and implement a MN kill switch mechanism   | Dave Vieglaiss | 2018-01-17 20:30 | Support Operations  |
| 2488 | Infrastructure        | Story   | New    | Normal   | Changing the authoritativeMembernode will require all replica's systemMetadata be updated                             | Dave Vieglaiss | 2018-01-17 20:39 | d1_synchronization  |
| 8819 | Member Nodes          | Story   | New    | Normal   | IEDA documents not in DataONE   |                | 2019-06-13 19:20 |                     |
| 8602 | Infrastructure        | Story   | New    | Normal   | Log aggregation and augmentation process mid 2018 updates   | Dave Vieglaiss | 2018-06-07 20:49 | d1_log_aggregation  |

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| 6759 | DataONE API    | Story   | New         | Normal   | ObjectFormat Management   | Dave Vieglais | 2015-01-19 23:17 |                               |
| 8762 | Infrastructure | Story   | New         | Normal   | Add new formats to CN   |               | 2019-02-07 20:03 |                               |
| 8857 | Infrastructure | Story   | New         | Normal   | D1Client.getCN() always get the production cn on the CN Tomcat context  | Jing Tao      | 2019-12-13 00:34 | dataone-cn-rest-service       |
| 8779 | Infrastructure | Story   | New         | Normal   | ForesiteResourceMap performance issue   | Rob Nahf      | 2019-03-25 18:48 | d1_indexer                    |
| 8368 | Infrastructure | Story   | New         | Normal   | Update backup strategy for jenkins job configurations to subversion   | Dave Vieglais | 2019-01-22 19:25 | Support Operations            |
| 8831 | Member Nodes   | Story   | New         | Normal   | Import error with schema_org.data   | John Evans    | 2019-08-05 18:57 |                               |
| 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           |
| 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                |
| 5141 | Infrastructure | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document  | Dave Vieglais | 2018-01-17 19:58 | Documentation                 |
| 8155 | Infrastructure | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API   | Roger Dahl    | 2018-01-17 18:43 | d1_mn_GMN                     |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf      | 2018-01-17 18:39 | d1_indexer                    |
| 8081 | Infrastructure | Story   | In Progress | Normal   | develop federated broker configuration for indexing   | Rob Nahf      | 2018-01-17 18:46 | d1_indexer                    |
| 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 |                               |
| 7358 | Infrastructure | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry  | Dave Vieglais | 2016-12-21 09:05 | Authentication, Authorization |
| 8038 | Infrastructure | Story   | In Progress | Normal   | connect logging output to a log analysis tool   | Dave Vieglais | 2018-01-17 18:52 | d1_synchronization            |
| 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                |
| 8358 | Member Nodes   | Story   | In Progress | Normal   | Discovery & Planning (CAFF)   | Amy Forrester | 2018-04-06 14:56 |                               |
| 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 |                               |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue   | Rob Nahf      | 2018-10-30 04:10 | d1_indexer                    |
| 8535 | Member Nodes   | Story   | In Progress | Normal   | Neotoma: Story: Discovery & Planning  | Amy Forrester | 2018-04-09 21:14 |                               |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing   | Rob Nahf      | 2018-01-17 20:03 | d1_replication                |

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| 6395 | Infrastructure   | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                    | Rob Nahf      | 2018-01-17 19:51 | MNWebChecker        |
| 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          |
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content  | Dave Vieglais | 2015-06-08 18:58 |                     |
| 8727 | Member Nodes     | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |               | 2019-01-22 18:34 |                     |
| 7754 | Search UI        | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats                                 | Bryce Mecum   | 2018-05-17 14:18 | MetacatUI           |
| 5833 | Member Nodes     | Story   | In Progress | Normal   | GBIF: Developing  |               | 2019-02-19 18:24 |                     |
| 4052 | Infrastructure   | Story   | In Progress | Normal   | OPeNDAP MN Story  |               | 2013-10-06 20:07 | mn.OPeNDAP          |
| 7146 | OGC-Slender Node | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services                         | Dave Vieglais | 2015-06-05 13:37 |                     |
| 8364 | CN REST          | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |               | 2019-05-21 12:57 | d1_portal_servlet   |
| 725  | Infrastructure   | Story   | In Progress | Normal   | Create Authentication and Access control design specifications                        | Dave Vieglais | 2018-01-17 20:52 | Documentation       |
| 4188 | Infrastructure   | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification                | Dave Vieglais | 2018-01-17 20:05 | d1_schemas          |
| 6071 | Infrastructure   | Story   | In Progress | Normal   | Release Notes and documentation   | Dave Vieglais | 2018-01-17 19:53 | Documentation       |
| 3591 | Infrastructure   | Story   | In Progress | Normal   | Content consistency checks for new member nodes                                       | Rob Nahf      | 2018-01-17 20:23 | MNWebChecker        |
| 7716 | Infrastructure   | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?                                      | Dave Vieglais | 2018-01-17 19:22 | d1_synchronization  |
| 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      |
| 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      |
| 7882 | Infrastructure   | Story   | In Progress | Normal   | Tune CN logfile management  | Dave Vieglais | 2018-01-17 19:03 |                     |
| 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 |                     |
| 5468 | Python Libraries | Story   | New         | Low      | Remove dead code from D1 Python stack   | Roger Dahl    | 2018-01-17 19:57 |                     |
| 7095 | Python GMN       | Story   | New         | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model   | Dave Vieglais | 2016-03-25 02:30 |                     |
| 7807 | Infrastructure   | Story   | New         | Low      | cn.synchronize should support synchronization failure corrections.                    |               | 2018-01-17 19:15 | Architecture Design |

| #    | Project          | Tracker | Status      | Priority  | Subject  | Assignee       | Updated          | Category            |
|------|------------------|---------|-------------|-----------|--|----------------|------------------|---------------------|
| 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   |
| 4210 | Infrastructure   | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService.archive() or delete()   | Chris Jones    | 2013-12-20 16:12 | Metacat             |
| 7046 | Member Nodes     | Task    | New         | High      | Certificate DC=org,DC=dataone,CN=osu.piscoweb.org expires in Prod environment  | Laura Moyers   | 2015-04-20 16:54 |                     |
| 3906 | Member Nodes     | Task    | New         | High      | Update malformed Resource Maps   |                | 2013-08-09 17:50 |                     |
| 8829 | Member Nodes     | Task    | New         | High      | get DKAN connected to GMN  | John Evans     | 2019-09-03 13:24 |                     |
| 1556 | Infrastructure   | Task    | In Progress | High      | Interns mailing list   |                | 2011-05-12 23:02 |                     |
| 8824 | Infrastructure   | Task    | In Progress | High      | Install Apache 2.4.39 and disable TLSv1.3 on CNs   | Dave Vieglaiss | 2019-06-19 12:11 |                     |
| 8026 | Infrastructure   | Task    | Testing     | High      | Portal reaches the maximum capacity in a pool  | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet   |
| 7686 | Member Nodes     | Task    | Testing     | High      | tDAR - Enable URL links out to data from search results  | Ben Leinfelder | 2016-09-27 15:56 |                     |
| 2033 | Infrastructure   | Task    | New         | Normal    | Document hardware / CN administrators and their contact info   | Dave Vieglaiss | 2014-09-24 18:29 | Management          |
| 2031 | Infrastructure   | Task    | New         | Normal    | Document the structure and interconnections of VM host hardware at UCSB  | Nick Outin     | 2014-09-24 18:29 | Hardware            |
| 1073 | Infrastructure   | Task    | New         | Normal    | Design client application authentication redirection approach  | Matthew Jones  | 2014-10-01 20:47 | d1_identity_manager |
| 3438 | Infrastructure   | Task    | New         | Normal    | Evaluate utility of schema.org   |                | 2012-12-21 16:15 | Documentation       |
| 6514 | Infrastructure   | Task    | New         | Normal    | Reharvest all Records to build initial cache   | Robert Waltz   | 2015-01-13 15:56 | d1_log_aggregation  |
| 2029 | Infrastructure   | Task    | New         | Normal    | Document VM specifications for replication MNs   | Dave Vieglaiss | 2014-09-24 18:29 | Management          |
| 7862 | DUG              | Task    | New         | Normal    | DataONE DUG page may need updating ( <a href="https://www.dataone.org/dataone-users-group">https://www.dataone.org/dataone-users-group</a> ) |                | 2016-08-08 15:00 |                     |
| 7256 | Python Libraries | Task    | New         | Normal    | add cnclient.synchronize method  | Roger Dahl     | 2016-04-21 22:37 |                     |
| 3373 | Infrastructure   | Task    | New         | Normal    | If id contains "/", the MNode.getSystemMetadata method fails.  |                | 2012-11-06 02:05 |                     |
| 2018 | Infrastructure   | Task    | New         | Normal    | document DataONE CA operations procedures  | Matthew Jones  | 2012-04-23 17:53 | Support Operations  |
| 7949 | Infrastructure   | Task    | New         | Normal    | Ensure that there's no race condition where an entry can be added to "IN PROCESS" if it is already present                                   | Jing Tao       | 2017-02-27 17:55 |                     |
| 6380 | Member Nodes     | Task    | New         | Normal    | ICMBIO: Initial Preparation  |                | 2015-11-19 17:21 |                     |
| 1983 | Infrastructure   | Task    | New         | Normal    | UC04 describes MNCORE.ping() with discovery capability   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 7127 | DataONE API      | Task    | New         | Normal    | Finalize CNAAuthentication interface   | Dave Vieglaiss | 2015-05-21 19:31 | api_documentation   |
| 7864 | DUG              | Task    | New         | Normal    | DOI Services for Members   |                | 2016-08-09 20:40 |                     |
| 7863 | DUG              | Task    | New         | Normal    | Link to the recordings   |                | 2016-08-09 20:40 |                     |
| 3315 | Infrastructure   | Task    | New         | Normal    | CNRead.query() - POST in addition to GET   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 7533 | DUG              | Task    | New         | Normal    | Create DUG 2016 Meeting page   |                | 2015-12-08 21:44 |                     |
| 3313 | Infrastructure   | Task    | New         | Normal    | Configure indexer to handle inline eml data  | Skye Roseboom  | 2012-10-08 21:01 | d1_indexer          |

| #    | Project                 | Tracker | Status | Priority | Subject   | Assignee      | Updated          | Category            |
|------|-------------------------|---------|--------|----------|---|---------------|------------------|---------------------|
| 1001 | Infrastructure          | Task    | New    | Normal   | Link documentation living with projects into ArchitectureDocs   |               | 2010-10-21 14:55 |                     |
| 7439 | MN Service Registration | Task    | New    | Normal   | Update the search interface to support rendering and other actions for services   | Dave Viegla   | 2015-10-16 14:06 |                     |
| 7537 | Infrastructure          | Task    | New    | Normal   | add nodelist refreshes to NodeLocator classes   | Rob Nahf      | 2015-12-10 16:59 | d1_libclient_java   |
| 5896 | Member Nodes            | Task    | New    | Normal   | GBIF: Mutual acceptance   |               | 2016-07-02 12:45 |                     |
| 1808 | Infrastructure          | Task    | New    | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()  |               | 2011-10-04 16:08 |                     |
| 5897 | Member Nodes            | Task    | New    | Normal   | GBIF: Verify content available for Current MNs web page   |               | 2016-07-02 12:45 |                     |
| 7985 | Member Nodes            | Task    | New    | Normal   | GINA: Establish DataONE user identity in Production   | Laura Moyers  | 2017-01-27 22:15 |                     |
| 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 |                     |
| 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 |                     |
| 7538 | Infrastructure          | Task    | New    | Normal   | look at nodeFactory in how it builds mock CNodes  | Rob Nahf      | 2015-12-10 17:03 | d1_libclient_java   |
| 8594 | Member Nodes            | Task    | New    | Normal   | GOA: replicate to Research Workspace  | Matthew Jones | 2018-05-15 17:40 |                     |
| 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 |                     |
| 925  | Infrastructure          | Task    | New    | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client   |               | 2011-10-31 20:32 | d1_client_ONEDrive  |
| 8222 | Infrastructure          | Task    | New    | Normal   | reindex all isotc211 content in production to reflect final decisions from origin field mapping   | Dave Viegla   | 2018-03-22 16:56 | d1_indexer          |
| 6698 | Member Nodes            | Task    | New    | Normal   | FTGEN: Check Authentication and Authorization in Production   |               | 2014-12-04 20:07 |                     |
| 8587 | Member Nodes            | Task    | New    | Normal   | Add DataONE Logo to SanParks website  | Jing Tao      | 2018-05-09 21:19 |                     |
| 6754 | Infrastructure          | Task    | New    | Normal   | Architecture API loose ends   | Dave Viegla   | 2015-01-13 18:54 | Architecture Design |
| 5888 | Member Nodes            | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type  |               | 2016-07-02 12:45 |                     |
| 7850 | Infrastructure          | Task    | New    | Normal   | Passing SID to MNRead.systemMetadataChanged()   | Dave Viegla   | 2016-07-20 20:00 |                     |
| 1647 | Java Client             | Task    | New    | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()  |               | 2016-06-22 16:51 | d1_common_java      |
| 7975 | Member Nodes            | Task    | New    | Normal   | GINA: Implement search index and display support for any new metadata formats required by the MN.   | Roger Dahl    | 2017-01-27 18:34 |                     |
| 7981 | Member Nodes            | Task    | New    | Normal   | GINA: Register MN in Testing Environment  | Laura Moyers  | 2017-01-27 18:47 |                     |
| 7800 | DUG                     | Task    | New    | Normal   | abstract reviews<br>( <a href="https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KV04TeahHVA/edit">https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KV04TeahHVA/edit</a> ) |               | 2016-05-10 15:18 |                     |
| 8205 | Infrastructure          | Task    | New    | Normal   | Adjust memory allocation to Tomcat7 on CNs  |               | 2017-10-24 15:33 |                     |
| 6760 | Infrastructure          | Task    | New    | Normal   | rename mnDemo9 node   |               | 2015-01-14 00:44 |                     |
| 5313 | Java Client             | Task    | New    | Normal   | enable remote deployment of product packages from Hudson / Jenkins  | Rob Nahf      | 2015-02-11 20:34 |                     |



| #    | Project               | Tracker | Status | Priority | Subject  | Assignee          | Updated          | Category                   |
|------|-----------------------|---------|--------|----------|--|-------------------|------------------|----------------------------|
| 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.Productio<br>n |
| 7774 | Infrastructure        | Task    | New    | Normal   | GMN: Move to Let's Encrypt   |                   | 2016-05-09 22:16 |                            |
| 7767 | Infrastructure        | Task    | New    | Normal   | In DataONE search results, move map display to map extent  | Dave Viegla       | 2016-05-04 18:31 |                            |
| 1648 | Java Client           | Task    | New    | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()  |                   | 2016-06-22 16:51 | d1_libclient_java          |
| 3210 | Member Nodes          | Task    | New    | Normal   | Collect application metadata for the AKN member node   | Ben Leinfelder    | 2013-01-08 19:23 |                            |
| 1649 | Infrastructure        | Task    | New    | Normal   | Update Metacat's CNCOREImpl to include addFormat()   |                   | 2016-06-22 16:51 |                            |
| 3212 | Member Nodes          | Task    | New    | Normal   | Collect metadata for the Taiwan TERN member node   | Matthew Jones     | 2014-02-20 21:58 |                            |
| 1650 | Infrastructure        | Task    | New    | Normal   | Update d1_cn_service ProxyCNCOREService and CNCOREController to include addFormat()  |                   | 2016-06-22 16:51 |                            |
| 3216 | Member Nodes          | Task    | New    | Normal   | Contact GEO BON for possible MN  | Matthew Jones     | 2012-09-05 03:29 |                            |
| 1651 | Infrastructure        | Task    | New    | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid   |                   | 2016-06-22 16:51 |                            |
| 8341 | Testing MN Management | Task    | New    | Normal   | Initial Communications   |                   | 2018-02-22 19:14 |                            |
| 7103 | Member Nodes          | Task    | New    | Normal   | Create a new test certificate for mnStagePISCO   | Dave Viegla       | 2015-05-14 18:29 |                            |
| 7926 | DUG                   | Task    | New    | Normal   | Certification and standards for data repositories (e.g. ISO 17421:2012, Data Seal of Approval)                                 |                   | 2016-11-08 22:00 |                            |
| 7125 | Python GMN            | Task    | New    | Normal   | Handle Authorization header carrying authentication token  | Roger Dahl        | 2016-04-21 22:37 |                            |
| 7525 | DUG                   | Task    | New    | Normal   | assessment effort update   |                   | 2015-12-07 22:25 |                            |
| 7984 | Member Nodes          | Task    | New    | Normal   | GINA: Show MN as "upcoming" on the dashboard   | Laura Moyers      | 2017-01-27 22:13 |                            |
| 7980 | Member Nodes          | Task    | New    | Normal   | GINA: Verify MN Content and Services in Testing Environment  | Laura Moyers      | 2017-01-27 18:46 |                            |
| 7473 | DUG                   | Task    | New    | Normal   | Draft 2016 DUG annual meeting brochure   |                   | 2015-11-09 22:38 |                            |
| 7839 | DataONE API           | Task    | New    | Normal   | Online documentation places synchronize in CNRead api  | Dave Viegla       | 2016-12-21 09:04 | api_documentation          |
| 7838 | DataONE API           | Task    | New    | Normal   | Modify the obsolescence chain process to accommodate the use case where both old and new PIDs are present on the CN for v1 MNs | Dave Viegla       | 2016-06-29 02:20 |                            |
| 8206 | Infrastructure        | Task    | New    | Normal   | Review and adjust memory allocation to Solr and zookeeper  |                   | 2017-10-24 16:03 |                            |
| 7279 | Infrastructure        | Task    | New    | Normal   | MN implementation documentation - need document management solution  | Dave Viegla       | 2015-07-28 22:24 | Documentation              |
| 6167 | Infrastructure        | Task    | New    | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case                                     | Dave Viegla       | 2014-10-02 17:21 | Documentation              |
| 1890 | Infrastructure        | Task    | New    | Normal   | Comply with Maven Central requirements for publishing artifacts  | Matthew Jones     | 2011-10-27 21:39 |                            |
| 7427 | Python Libraries      | Task    | New    | Normal   | adjust API signatures in python libraries  | Dave Viegla       | 2016-03-25 01:11 | d1_libclient_python        |
| 6687 | Member Nodes          | Task    | New    | Normal   | FTGEN: Configure SSL Certificates for Testing Environment  |                   | 2014-12-04 20:07 |                            |
| 3328 | Infrastructure        | Task    | New    | Normal   | Enable a data preview from the search results page   | Chris Jones       | 2012-10-23 19:34 | d1_mercury                 |

| #    | Project               | Tracker | Status | Priority | Subject   | Assignee       | Updated          | Category          |
|------|-----------------------|---------|--------|----------|---|----------------|------------------|-------------------|
| 6376 | Infrastructure        | Task    | New    | Normal   | test the new strategy against working ReplicationManager test                                       | Rob Nahf       | 2016-06-22 16:53 | d1_replication    |
| 5889 | Member Nodes          | Task    | New    | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.                                     |                | 2016-07-02 12:45 |                   |
| 7524 | DUG                   | Task    | New    | Normal   | Explore crowd sourcing for future DUG marketing effort  |                | 2015-12-07 22:25 |                   |
| 1986 | Infrastructure        | Task    | New    | Normal   | Update UC04 to use correct CN method for determining if a PID exists                                | Dave Vieglais  | 2014-10-02 17:21 | Documentation     |
| 6701 | Member Nodes          | Task    | New    | Normal   | FTGEN: Document and Announce  |                | 2014-12-04 20:07 |                   |
| 6398 | Infrastructure        | Task    | New    | Normal   | update MNWebTest operations docs  | Rob Nahf       | 2014-10-01 20:34 | MNWebChecker      |
| 3374 | Member Nodes          | Task    | New    | Normal   | Move kepler-library.org Metacat to new server   | Ben Leinfelder | 2012-11-08 00:31 |                   |
| 2028 | Infrastructure        | Task    | New    | Normal   | Document VM specifications for CNs  | Dave Vieglais  | 2014-09-24 18:29 | Management        |
| 7199 | Python GMN            | Task    | New    | Normal   | Implement support for token authentication approach   | Dave Vieglais  | 2016-03-25 01:27 |                   |
| 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 |                   |
| 7229 | Python GMN            | Task    | New    | Normal   | non-standard server certificate locations   | Roger Dahl     | 2016-04-21 22:37 |                   |
| 8382 | Testing MN Management | Task    | New    | Normal   | Initial Communications  |                | 2018-02-27 17:32 |                   |
| 7096 | CN REST               | Task    | New    | Normal   | Unexpectedly closed streams / disconnects on UNM network  | Dave Vieglais  | 2015-05-12 17:49 |                   |
| 3465 | Infrastructure        | Task    | New    | Normal   | Improve Metacat listObject slicing  | Ben Leinfelder | 2013-01-08 18:54 | Metacat           |
| 3466 | Infrastructure        | Task    | New    | Normal   | Add synthetic key to systemMetadata table   | Ben Leinfelder | 2013-01-08 18:30 |                   |
| 3467 | Infrastructure        | Task    | New    | Normal   | MN.listObject should use auto-incremented key   | Ben Leinfelder | 2013-01-08 18:31 | Metacat           |
| 3468 | Infrastructure        | Task    | New    | Normal   | Explore how CN.listObject can effectively use auto-incremented key                                  | Ben Leinfelder | 2013-01-08 18:35 | Documentation     |
| 3177 | Member Nodes          | Task    | New    | Normal   | Contact operators   | Matthew Jones  | 2012-09-05 01:46 |                   |
| 8342 | Testing MN Management | Task    | New    | Normal   | Feasibility Assessment  |                | 2018-02-22 19:19 |                   |
| 3175 | Infrastructure        | Task    | New    | Normal   | Include dataoneTypes.xsd in Metacat registered schemas  | Chris Jones    | 2012-10-05 14:23 | Metacat           |
| 4722 | Infrastructure        | Task    | New    | Normal   | Clarify permissions for CN  | Dave Vieglais  | 2014-10-02 17:21 |                   |
| 3171 | Infrastructure        | Task    | New    | Normal   | Add d1_common_java d1_libclient_java and their dependency jar files to the morpho lib               |                | 2012-08-31 17:27 |                   |
| 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 |
| 7883 | Infrastructure        | Task    | New    | Normal   | Document the log files of relevance on Coordinating Nodes   |                | 2016-09-09 20:20 |                   |
| 7474 | DUG                   | Task    | New    | Normal   | Draft generic letter of invitation that DUG SC can carry and distribute widely.                     |                | 2015-11-09 22:38 |                   |
| 8169 | Infrastructure        | Task    | New    | Normal   | Document process for changing the postgres master   | Monica Ihli    | 2017-09-01 15:09 |                   |
| 1554 | Java Client           | Task    | New    | Normal   | Create MockHttpClient for testing in d1_common_java   | Rob Nahf       | 2015-02-11 19:49 | d1_common_java    |
| 8105 | Infrastructure        | Task    | New    | Normal   | Remove dataone-mercury from production CNs  | Jing Tao       | 2018-03-02 22:17 | d1_mercury        |
| 3142 | Infrastructure        | Task    | New    | Normal   | Need a new local search mechanism   |                | 2013-03-02 05:15 |                   |
| 8369 | Infrastructure        | Task    | New    | Normal   | Verify operation and transfer DNS   | Dave Vieglais  | 2018-02-15 17:40 |                   |

| #    | Project          | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category            |
|------|------------------|---------|--------|----------|--|---------------|------------------|---------------------|
| 8170 | Infrastructure   | Task    | New    | Normal   | Identify the components that are currently managed in LDAP on the Coordinating Nodes and how these may be migrated to postgres | Monica Ihli   | 2017-09-01 15:20 |                     |
| 3200 | Member Nodes     | Task    | New    | Normal   | Make initial contact with USGS-NWRC  | Mike Frame    | 2013-10-24 15:23 |                     |
| 7532 | DUG              | Task    | New    | Normal   | Registration Form for 2016.  |               | 2015-12-08 21:30 |                     |
| 7987 | Member Nodes     | Task    | New    | Normal   | GINA: Verify MN Content and Services in Production   | Laura Moyers  | 2017-01-27 22:16 |                     |
| 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          |
| 4669 | Java Client      | Task    | New    | Normal   | - Regarding the style: A good addition to the types would be some builders, static factories and constructors as applicable    |               | 2015-02-11 20:08 |                     |
| 8505 | Infrastructure   | Task    | New    | Normal   | Review solr terms for coverage of data citation elements   | Monica Ihli   | 2018-03-19 21:57 |                     |
| 7982 | Member Nodes     | Task    | New    | Normal   | GINA: Verify CN Content and Services in Testing Environment  | Laura Moyers  | 2017-01-27 18:59 |                     |
| 7123 | Python Libraries | Task    | New    | Normal   | Send Authorization header carrying authentication token  | Roger Dahl    | 2016-04-21 22:37 | d1_libclient_python |
| 1527 | Infrastructure   | Task    | New    | Normal   | Allow AccessPolicy to be set for groups  | Matthew Jones | 2014-10-01 20:47 |                     |
| 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    |
| 3108 | Infrastructure   | Task    | New    | Normal   | lastHarvested date is always equal to the current time.  | Dave Vieglais | 2012-07-30 22:11 |                     |
| 4660 | Java Client      | Task    | New    | Normal   | src/main/java has XML files  | Robert Waltz  | 2015-02-11 20:08 | d1_common_java      |
| 1521 | Infrastructure   | Task    | New    | Normal   | Compressed Response  |               | 2011-05-04 14:35 |                     |
| 6876 | Infrastructure   | Task    | New    | Normal   | Support for ISO 19139 metadata standard  |               | 2015-03-10 17:27 | Format ID           |
| 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          |
| 8168 | Infrastructure   | Task    | New    | Normal   | Evaluate options for postgres replication configuration  | Monica Ihli   | 2017-09-01 15:11 |                     |
| 8224 | Infrastructure   | Task    | New    | Normal   | metacat not promoting node token privs for solr  | Jing Tao      | 2017-12-04 19:33 | Metacat             |
| 8232 | Member Nodes     | Task    | New    | Normal   | MN Dashboard/Website Deployment Workflow Documentation   | Dustin Allen  | 2018-01-08 23:30 |                     |
| 3082 | Infrastructure   | Task    | New    | Normal   | Morpho should not rely on CN for any critical features   |               | 2013-03-02 05:26 | Morpho              |
| 3080 | Infrastructure   | Task    | New    | Normal   | Calling Dataone client library in morpho   |               | 2013-03-02 05:28 |                     |
| 7749 | Member Nodes     | Task    | New    | Normal   | Evaluate disposition of the ESA MN's current content   | Matthew Jones | 2016-04-26 19:52 |                     |
| 7176 | Infrastructure   | Task    | New    | Normal   | Develop textual documentation for certificate management   | Dave Vieglais | 2015-06-10 01:33 | Documentation       |
| 1519 | Infrastructure   | Task    | New    | Normal   | HTTP Byte Range Requests   |               | 2011-05-04 14:34 |                     |
| 7177 | Infrastructure   | Task    | New    | Normal   | Develop video documentation for certificate management   | Dave Vieglais | 2015-06-10 01:33 | Documentation       |
| 7744 | Infrastructure   | Task    | New    | Normal   | put together initial design  |               | 2016-06-22 17:19 |                     |
| 3063 | Infrastructure   | Task    | New    | Normal   | Change Mutability of Metadata documentation  | Dave Vieglais | 2014-09-24 18:27 | Documentation       |
| 1518 | Infrastructure   | Task    | New    | Normal   | How to support caching   |               | 2011-05-04 14:33 |                     |
| 8830 | Member Nodes     | Task    | New    | Normal   | Requirements Analysis  | John Evans    | 2019-08-06 14:44 |                     |

| #    | Project          | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category           |
|------|------------------|---------|--------|----------|--|---------------|------------------|--------------------|
| 1502 | Infrastructure   | Task    | New    | Normal   | Fix hierarchy of permission levels.  | Matthew Jones | 2014-10-01 20:47 | Documentation      |
| 3198 | Member Nodes     | Task    | New    | Normal   | Initial contact for the USGS MN  | Mike Frame    | 2013-08-23 13:07 |                    |
| 6565 | Infrastructure   | Task    | New    | Normal   | Configure Jenkins jobs for ezid (ezid-client)  | Rob Nahf      | 2014-12-15 18:36 |                    |
| 8149 | Member Nodes     | Task    | New    | Normal   | Test 1.x to 2.x pip upgrade w/ no data   | Monica Ihli   | 2017-09-26 15:57 |                    |
| 8150 | Infrastructure   | Task    | New    | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata                    | Jing Tao      | 2017-07-19 21:27 |                    |
| 8102 | Infrastructure   | Task    | New    | Normal   | Upgrade postgresql jdbc jar file on Portal   | Jing Tao      | 2017-06-02 20:53 | d1_portal          |
| 7702 | Log Reporting    | Task    | New    | Normal   | abnormal strings in ipAddress field of solr  | Robert Waltz  | 2016-06-22 17:18 | d1_log_aggregation |
| 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      |
| 7703 | Python GMN       | Task    | New    | Normal   | GMN populating ipAddress in LogEntry with abnormal strings                                   | Roger Dahl    | 2016-06-22 17:19 |                    |
| 2896 | Infrastructure   | Task    | New    | Normal   | Modify the admin DN in createObjectformat script per environment                             | Chris Jones   | 2012-10-05 14:23 | d1_cn_buildout     |
| 7475 | DUG              | Task    | New    | Normal   | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC           |               | 2015-11-09 22:38 |                    |
| 8104 | Infrastructure   | Task    | New    | Normal   | Upgrade postgresql jdbc jar file on Metacat  | Jing Tao      | 2017-06-02 20:58 | Metacat            |
| 6693 | Member Nodes     | Task    | New    | Normal   | FTGEN: Establish DataONE user identity in Production   |               | 2014-12-04 20:07 |                    |
| 2826 | Infrastructure   | Task    | New    | Normal   | MNStorage.archive() - Permissions  | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 7910 | Infrastructure   | Task    | New    | Normal   | schema validation behavior   | Rob Nahf      | 2018-01-18 02:41 | d1_common_java     |
| 2810 | Infrastructure   | Task    | New    | Normal   | setReplicationStatus() example rwt state transition is incorrect                             | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 4102 | Infrastructure   | Task    | New    | Normal   | Add expiration policy for CNCORE.reservelIdentifier()  | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 4098 | Infrastructure   | Task    | New    | Normal   | Synchronization should allow valid replicas held by MNs to set obsoletedBy and archive flags | Dave Vieglais | 2014-07-31 22:23 | d1_synchronization |
| 2809 | Infrastructure   | Task    | New    | Normal   | MNStorage.update() - Make behavior explicit  | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 8151 | Infrastructure   | Task    | New    | Normal   | CNs should verify that the authoritativeMN listed in SystemMetadata is a valid MN            | Jing Tao      | 2017-07-19 21:32 |                    |
| 2794 | Infrastructure   | Task    | New    | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 1474 | Infrastructure   | Task    | New    | Normal   | Design verification process for new accounts   | Matthew Jones | 2014-10-01 20:47 |                    |
| 7184 | Infrastructure   | Task    | New    | Normal   | Create an Ansible script that can replace a server certificate                               | Nick Outin    | 2015-06-15 15:10 | Support Operations |
| 7167 | OGC-Slender Node | Task    | New    | Normal   | Generate system metadata for science metadata  | Dave Vieglais | 2015-06-08 18:58 |                    |
| 6685 | Member Nodes     | Task    | New    | Normal   | FTGEN: Local Testing   |               | 2014-12-04 20:07 |                    |
| 8747 | Infrastructure   | Task    | New    | Normal   | Adjust package configuration to persist changes between updates                              | Dave Vieglais | 2018-11-16 17:32 |                    |
| 8070 | Infrastructure   | Task    | New    | Normal   | Consolidate the index application-context files  | Jing Tao      | 2017-04-13 12:51 |                    |
| 7682 | Log Reporting    | Task    | New    | Normal   | Sluggish Purging Read Event Cache  |               | 2016-03-17 15:02 | d1_log_aggregation |
| 4013 | Member Nodes     | Task    | New    | Normal   | Follow-up on plans for TERN following Oct ILTER meeting in Korea                             | Laura Moyers  | 2014-02-20 21:58 |                    |

| #    | Project          | Tracker | Status | Priority | Subject   | Assignee            | Updated          | Category                      |
|------|------------------|---------|--------|----------|---|---------------------|------------------|-------------------------------|
| 1472 | Infrastructure   | Task    | New    | Normal   | Explain revocation policies via MN curator.   | Matthew Jones       | 2014-10-01 20:47 |                               |
| 2660 | Infrastructure   | Task    | New    | Normal   | Deciding on a key size for D1 certs   | Dave Vieglais       | 2014-10-02 17:21 | Documentation                 |
| 1471 | Infrastructure   | Task    | New    | Normal   | Define implicit curator role at Member Nodes.   | Matthew Jones       | 2014-10-01 20:47 |                               |
| 7168 | OGC-Slender Node | Task    | New    | Normal   | Generate system metadata for data objects   | Dave Vieglais       | 2015-06-08 18:59 |                               |
| 8529 | DataONE API      | Task    | New    | Normal   | Add field to Solr index that includes the obsolescence chain  |                     | 2018-04-10 05:21 |                               |
| 8077 | Search UI        | Task    | New    | Normal   | Use ORE PID for citation if DOI   |                     | 2017-04-24 16:32 |                               |
| 3974 | Infrastructure   | Task    | New    | Normal   | Complete agenda for meeting   | Dave Vieglais       | 2013-09-11 20:59 |                               |
| 7169 | OGC-Slender Node | Task    | New    | Normal   | Enable tracking of obsoletes / obsoleted by for data objects  | Dave Vieglais       | 2015-06-08 19:01 |                               |
| 7750 | CN REST          | Task    | New    | Normal   | apply business rules on the CN that Subject strings will be stripped of leading and trailing whitespace |                     | 2016-04-26 17:30 |                               |
| 2646 | Infrastructure   | Task    | New    | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()                     | Dave Vieglais       | 2014-10-02 17:21 | Documentation                 |
| 3980 | Member Nodes     | Task    | New    | Normal   | Missing content   | Chris Jones         | 2013-09-25 21:48 |                               |
| 3989 | Member Nodes     | Task    | New    | Normal   | USGS Clearinghouse resource maps have discrepancies with CN   | Ranjeet Devarakonda | 2013-09-26 23:34 |                               |
| 3994 | Member Nodes     | Task    | New    | Normal   | Stories and bugs are showing up in the MN Dashboard; should be restricted to MNDeployment trackers      | Dave Vieglais       | 2013-09-26 23:34 |                               |
| 3925 | Infrastructure   | Task    | New    | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN                             | Rob Nahf            | 2014-10-01 22:04 | MNWebChecker                  |
| 2664 | Infrastructure   | Task    | New    | Normal   | Create documentation for how transitivity is enacted for authorization                                  | Matthew Jones       | 2014-10-01 20:47 | Authentication, Authorization |
| 2685 | Infrastructure   | Task    | New    | Normal   | Where's the WIFFM on the DataONE web site for the researcher user?                                      |                     | 2012-05-01 15:31 | Support Operations            |
| 8742 | Member Nodes     | Task    | New    | Normal   | GMN upgrade from 2.4.1 to 3.2.0   | Roger Dahl          | 2018-11-13 19:14 |                               |
| 2688 | Infrastructure   | Task    | New    | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison            | Dave Vieglais       | 2014-09-24 18:27 | Documentation                 |
| 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                  |
| 1473 | Infrastructure   | Task    | New    | Normal   | Make default access policy explicit in Authz docs.  | Matthew Jones       | 2014-10-01 20:47 |                               |
| 4059 | Infrastructure   | Task    | New    | Normal   | Add test to verify node is reporting correct nodeId in log records                                      | Rob Nahf            | 2013-10-07 19:10 |                               |
| 2793 | Infrastructure   | Task    | New    | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header                   | Dave Vieglais       | 2014-10-02 17:21 | Documentation                 |
| 4068 | Member Nodes     | Task    | New    | Normal   | Coordinate discussions for biodiversity data in DataONE with TDWG participants                          | Dave Vieglais       | 2016-06-17 19:31 |                               |
| 2594 | Infrastructure   | Task    | New    | Normal   | Prepare a Mercury MN overview for the workshop  | Giri Palanisamy     | 2012-04-09 22:59 | mn.Mercury                    |
| 7922 | Infrastructure   | Task    | New    | Normal   | DataONE Accessibility   | Isis Serna          | 2016-10-31 23:05 |                               |

| #    | Project               | Tracker | Status | Priority | Subject   | Assignee       | Updated          | Category                      |
|------|-----------------------|---------|--------|----------|---|----------------|------------------|-------------------------------|
| 3907 | Infrastructure        | Task    | New    | Normal   | MN Integration Test - verify system metadata returned matches expected                                    | Rob Nahf       | 2013-08-09 18:48 | d1_integration                |
| 2593 | Infrastructure        | Task    | New    | Normal   | Prepare science data and metadata content for the workshop  | Dave Vieglaiss | 2012-04-09 22:52 |                               |
| 1482 | Infrastructure        | Task    | New    | Normal   | Design mechanism to collapse two accounts into one  | Matthew Jones  | 2014-10-01 20:47 |                               |
| 4117 | Member Nodes          | Task    | New    | Normal   | Issue Test certs for FRIM   |                | 2015-01-23 19:02 |                               |
| 4118 | Member Nodes          | Task    | New    | Normal   | Validate FRIM sync against stage environment  |                | 2015-01-23 19:02 |                               |
| 4120 | Infrastructure        | Task    | New    | Normal   | Display total data downloads in the SummaryView header  | Skye Roseboom  | 2014-03-31 17:41 | d1_dashboard                  |
| 4125 | Infrastructure        | Task    | New    | Normal   | Mock up an informational section of the Member Node detail view   | Chris Jones    | 2014-03-31 17:41 | d1_dashboard                  |
| 1484 | Infrastructure        | Task    | New    | Normal   | Decide on format for Principals   | Matthew Jones  | 2014-10-01 20:47 |                               |
| 3901 | Infrastructure        | Task    | New    | Normal   | Review Mozilla Persona as an alternative for identity management  | Dave Vieglaiss | 2013-08-09 11:57 | Documentation                 |
| 1485 | Infrastructure        | Task    | New    | Normal   | Clean up authn requirements listing   | Matthew Jones  | 2014-10-01 20:47 |                               |
| 8668 | Member Nodes          | Task    | New    | Normal   | MPC- upgrade GMN version 1.2.10 to 3.0.4  | Roger Dahl     | 2019-03-05 20:35 |                               |
| 7641 | Infrastructure        | Task    | New    | Normal   | contact ONEShare  | Laura Moyers   | 2016-02-12 16:40 | Environment.Production        |
| 8346 | Testing MN Management | Task    | New    | Normal   | Training & Education  |                | 2018-02-08 15:28 |                               |
| 1494 | Infrastructure        | Task    | New    | Normal   | Create sequence diagrams for Authentication services.   | Matthew Jones  | 2014-10-01 20:47 |                               |
| 4190 | Infrastructure        | Task    | New    | Normal   | Update architecture docs to import dataoneErrors.xsd  | Dave Vieglaiss | 2014-09-24 18:28 | Documentation                 |
| 8746 | Infrastructure        | Task    | New    | Normal   | Require email address from user when logging in via ORCID   |                | 2018-11-16 05:57 |                               |
| 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        |
| 3895 | Infrastructure        | Task    | New    | Normal   | Can we add bugs to a task in a story?   |                | 2014-09-24 18:27 |                               |
| 3894 | Infrastructure        | Task    | New    | Normal   | This task contains all the bugs related to the story  |                | 2014-09-24 18:27 |                               |
| 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 Vieglaiss | 2013-08-07 15:01 | Authentication, Authorization |
| 6692 | Member Nodes          | Task    | New    | Normal   | FTGEN: Show MN as "upcoming" on the dashboard   |                | 2014-12-04 20:07 |                               |
| 3881 | Infrastructure        | Task    | New    | Normal   | 4.2.1.4 Definition of Verified User Lacking   | Dave Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 8348 | Testing MN Management | Task    | New    | Normal   | Metadata Validation   |                | 2018-02-08 15:28 |                               |
| 8230 | Infrastructure        | Task    | New    | Normal   | review bouncy castle version  | Rob Nahf       | 2018-03-02 21:48 | d1_libclient_java             |
| 3067 | Infrastructure        | Task    | New    | Normal   | Old DAAC PIDs to archive  | Dave Vieglaiss | 2013-01-02 14:14 | mn.Mercury                    |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee       | Updated          | Category                   |
|------|----------------|---------|--------|----------|---|----------------|------------------|----------------------------|
| 3076 | Infrastructure | Task    | New    | Normal   | Allow user to specify Morpho storage directory  |                | 2013-03-02 05:29 | Morpho                     |
| 6684 | Member Nodes   | Task    | New    | Normal   | FTGEN: Register any new object formats in all environments  |                | 2014-12-04 20:07 |                            |
| 1481 | Infrastructure | Task    | New    | Normal   | Clarify spec that groups can own objects  | Matthew Jones  | 2014-10-01 20:47 |                            |
| 1520 | Infrastructure | Task    | New    | Normal   | Stream Output   |                | 2011-05-04 14:35 |                            |
| 4655 | Java Client    | Task    | New    | Normal   | Pom appears to bring in plugins as project dependencies (maven-jar-plugin, maven-clean-plugin)  |                | 2015-02-11 20:08 |                            |
| 4657 | Java Client    | Task    | New    | Normal   | Pom versions are mixed between properties and inline (e.g. <version>1.8.4</version>)  | Rob Nahf       | 2015-02-11 20:08 |                            |
| 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              |
| 4661 | Java Client    | Task    | New    | Normal   | Deprecated methods give no indication of the (Java) version in which they will be removed   |                | 2015-02-11 20:08 |                            |
| 4663 | Java Client    | Task    | New    | Normal   | src/main/resources appears to have config for log4j through commons-logging but neither logging library is declared as a test scope dependency. |                | 2015-02-11 20:08 |                            |
| 4664 | Java Client    | Task    | New    | Normal   | Related to above: Test classes bring in org.apache.log4j.Logger but it is not declared as a test dependency                                     |                | 2015-02-11 20:08 |                            |
| 4665 | Java Client    | Task    | New    | Normal   | Tests contain redundant code.   |                | 2015-02-11 20:08 |                            |
| 4666 | Java Client    | Task    | New    | Normal   | - All types have the same serialVersionUID (10000000)   |                | 2015-02-11 20:08 |                            |
| 4667 | Java Client    | Task    | New    | Normal   | - (Important!) No types implement equals or hashCode  |                | 2015-02-11 20:08 |                            |
| 4668 | Java Client    | Task    | New    | Normal   | - No types implement toString   |                | 2015-02-11 20:08 |                            |
| 3880 | Infrastructure | Task    | New    | Normal   | 4.2.1.3 CILogon Extension Not Documented  |                | 2014-09-24 18:27 | Environment.Productio<br>n |
| 4670 | Java Client    | Task    | New    | Normal   | - Regarding the style: The types are fully mutable with no field validations or constraints.  |                | 2015-02-11 20:08 |                            |
| 3115 | Infrastructure | Task    | New    | Normal   | Get R client into working state.  | Andrew Pippin  | 2012-08-02 17:32 |                            |
| 7571 | CN REST        | Task    | New    | Normal   | Description for error code 401, detail code 4957 is misleading in some cases  |                | 2016-01-05 16:25 |                            |
| 4673 | Java Client    | Task    | New    | Normal   | Pom has warnings:   |                | 2015-02-11 20:08 |                            |
| 1552 | Java Client    | Task    | New    | Normal   | Copy TestSimpleMultipartEntity from d1_common_java to d1_integration  | Rob Nahf       | 2015-02-11 19:49 |                            |
| 4675 | Infrastructure | Task    | New    | Normal   | Administratively delete those pids with the white spaces  |                | 2014-09-24 18:09 |                            |
| 4704 | Infrastructure | Task    | New    | Normal   | Create a view of MN holdings from a CN perspective  | Dave Vieglaiss | 2014-04-09 15:33 |                            |
| 3879 | Infrastructure | Task    | New    | Normal   | 4.2.1.2 Missing Policies and Expectations   |                | 2014-09-24 18:27 | Environment.Productio<br>n |
| 4711 | Infrastructure | Task    | New    | Normal   | replace SSL Certs for cn-unm-1.dataone.org  |                | 2014-09-24 18:14 |                            |
| 4712 | Infrastructure | Task    | New    | Normal   | replace SSL cert for cn-ucsb-1.dataone.org  |                | 2014-09-24 18:14 |                            |
| 4713 | Infrastructure | Task    | New    | Normal   | replace SSL cert fo cn-orc-1.dataone.org  |                | 2014-09-24 18:14 |                            |
| 1555 | Java Client    | Task    | New    | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient  | Rob Nahf       | 2015-02-11 19:49 | d1_common_java             |

| #    | Project               | Tracker | Status | Priority | Subject  | Assignee       | Updated          | Category                   |
|------|-----------------------|---------|--------|----------|--|----------------|------------------|----------------------------|
| 2508 | Infrastructure        | Task    | New    | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.               | Dave Vieglais  | 2014-10-02 17:21 | Documentation              |
| 3166 | Infrastructure        | Task    | New    | Normal   | Add d1_common_java and d1_libclient_java and their depency jar                             |                | 2012-08-31 17:15 |                            |
| 4717 | Infrastructure        | Task    | New    | Normal   | refresh client certificate for mn-unm-2.dataone.org  |                | 2014-09-24 18:14 |                            |
| 3878 | Infrastructure        | Task    | New    | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation  | Dave Vieglais  | 2014-09-24 18:27 |                            |
| 2492 | Infrastructure        | Task    | New    | Normal   | Add status page for given {pid}  | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor                 |
| 4723 | Infrastructure        | Task    | New    | Normal   | MN recognition of CN   | Dave Vieglais  | 2014-10-02 17:21 |                            |
| 5121 | Member Nodes          | Task    | New    | Normal   | Fix DryadDataFile instance documents with no dcterms:creator element                       | Chris Jones    | 2014-04-30 19:25 |                            |
| 5122 | Member Nodes          | Task    | New    | Normal   | Verify/update information in TFRI's node registration                                      | Chris Jones    | 2014-04-18 16:51 |                            |
| 5136 | Infrastructure        | Task    | New    | Normal   | Change DNS seetings on all DataONE VMs   | Chris Jones    | 2014-05-08 03:16 | Environment.Productio<br>n |
| 5137 | Infrastructure        | Task    | New    | Normal   | Fix DataONE CA chain file location in cn-buildout  | Chris Jones    | 2014-04-25 15:06 | d1_cn_buildout             |
| 1443 | DataONE API           | Task    | New    | Normal   | Identify operational requirements for monitoring and logging                               | Dave Vieglais  | 2015-01-19 23:06 |                            |
| 7476 | DUG                   | Task    | New    | Normal   | Do we need an event management system to better organize the DUG?                          |                | 2015-11-09 22:43 |                            |
| 3181 | Member Nodes          | Task    | New    | Normal   | Contact PFRP as potential MN   | Matthew Jones  | 2013-01-30 21:00 |                            |
| 8464 | Testing MN Management | Task    | New    | Normal   | test: Metadata Validation  |                | 2018-03-01 21:04 |                            |
| 6696 | Member Nodes          | Task    | New    | Normal   | FTGEN: Register MN in Production   |                | 2014-12-04 20:07 |                            |
| 1646 | Infrastructure        | Task    | New    | Normal   | Add addFormat() to the CNCORE API  |                | 2016-06-22 16:51 |                            |
| 6690 | Member Nodes          | Task    | New    | Normal   | FTGEN: Verify CN Content and Services in Testing Environment                               |                | 2014-12-04 20:07 |                            |
| 6700 | Member Nodes          | Task    | New    | Normal   | FTGEN: Ensure MN appears on Current MNs webpage (dashboard)                                |                | 2014-12-04 20:07 |                            |
| 5454 | Member Nodes          | Task    | New    | Normal   | Evaluate dataverse poential MN   | Bruce Wilson   | 2014-05-29 19:30 |                            |
| 8078 | Infrastructure        | Task    | New    | Normal   | standardize task serialization for language independence                                   | Rob Nahf       | 2017-04-25 22:39 | d1_indexer                 |
| 8154 | Member Nodes          | Task    | New    | Normal   | Test content from the test NKN member node should be archived or deleted from production   |                | 2017-07-26 19:55 |                            |
| 3204 | Member Nodes          | Task    | New    | Normal   | Collate MN metadata for review   | Mike Frame     | 2015-12-03 19:36 |                            |
| 6699 | Member Nodes          | Task    | New    | Normal   | FTGEN: Mutual acceptance   |                | 2014-12-04 20:07 |                            |
| 8345 | Testing MN Management | Task    | New    | Normal   | Technical Requirements   |                | 2018-02-08 15:28 |                            |
| 3208 | Member Nodes          | Task    | New    | Normal   | Collate node application metadata for the BIOTA - FAPESP MN                                | Matthew Jones  | 2015-12-03 19:36 |                            |
| 2487 | CN REST               | Task    | New    | Normal   | How does a CN handle the failure of MN replica to receive MNStorage.sytemMetadataChanged() | Robert Waltz   | 2016-08-10 20:51 |                            |
| 6695 | Member Nodes          | Task    | New    | Normal   | FTGEN: Verify MN Content and Services in Production  |                | 2014-12-04 20:07 |                            |
| 7607 | Infrastructure        | Task    | New    | Normal   | LTER_EUROPE refuses the production CN from harvesting log records                          | Laura Moyers   | 2016-06-09 16:34 | Environment.Productio<br>n |



| #    | Project               | Tracker | Status | Priority | Subject  | Assignee       | Updated          | Category            |
|------|-----------------------|---------|--------|----------|--|----------------|------------------|---------------------|
| 8349 | Testing MN Management | Task    | New    | Normal   | Develop or Implement MN Software   |                | 2018-02-08 15:28 |                     |
| 8350 | Testing MN Management | Task    | New    | Normal   | Test Registration  |                | 2018-02-08 15:28 |                     |
| 8351 | Testing MN Management | Task    | New    | Normal   | Display as Upcoming  |                | 2018-02-08 15:28 |                     |
| 8354 | Testing MN Management | Task    | New    | Normal   | Register in Production   |                | 2018-02-08 15:28 |                     |
| 8355 | Testing MN Management | Task    | New    | Normal   | Mutual Acceptance  |                | 2018-02-08 15:28 |                     |
| 1442 | DataONE API           | Task    | New    | Normal   | Identify monitoring and logging use cases and requirements   | Dave Vieglaiss | 2015-01-19 23:06 |                     |
| 8353 | Testing MN Management | Task    | New    | Normal   | Implement in Production  |                | 2018-02-08 15:29 |                     |
| 8356 | Testing MN Management | Task    | New    | Normal   | Formal Announcement  |                | 2018-02-23 19:06 |                     |
| 5841 | Member Nodes          | Task    | New    | Normal   | GBIF: SSL Certificates   |                | 2019-01-28 14:40 |                     |
| 2545 | Infrastructure        | Task    | New    | Normal   | create d1_integration tests using for MN.generateIdentifier  | Rob Nahf       | 2014-10-02 17:54 | d1_integration      |
| 5865 | Member Nodes          | Task    | New    | Normal   | GBIF: Log record access  |                | 2016-07-02 12:45 |                     |
| 8066 | Infrastructure        | Task    | New    | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest   | Dave Vieglaiss | 2017-04-11 23:47 | d1_indexer          |
| 2475 | Infrastructure        | Task    | New    | Normal   | CNReplication.setReplicationStatus() - How to represent null   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 8344 | Testing MN Management | Task    | New    | Normal   | MN Communications  |                | 2018-02-22 19:47 |                     |
| 6697 | Member Nodes          | Task    | New    | Normal   | FTGEN: Verify CN Content and Services in Production  |                | 2014-12-04 20:07 |                     |
| 3811 | Infrastructure        | Task    | New    | Normal   | Document the "non-standard" certificates being used for accessing content in DataONE and it's member nodes | Rob Nahf       | 2014-09-24 18:27 | Support Operations  |
| 1414 | Infrastructure        | Task    | New    | Normal   | How to represent additional Node attributes.   |                | 2011-03-09 06:16 |                     |
| 1671 | Infrastructure        | Task    | New    | Normal   | Need folder for DUG, accessible by DUG members   | Matthew Jones  | 2011-07-12 12:09 | Support Operations  |
| 3810 | Infrastructure        | Task    | New    | Normal   | Identify and setup location for user oriented operational docs   | Dave Vieglaiss | 2014-09-24 18:27 | Support Operations  |
| 5988 | Infrastructure        | Task    | New    | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                                    | Jing Tao       | 2014-07-22 23:18 | Hardware            |
| 1762 | Infrastructure        | Task    | New    | Normal   | Sketch CN components and associations  | Dave Vieglaiss | 2014-10-02 17:40 |                     |
| 3807 | Infrastructure        | Task    | New    | Normal   | Add documentation for Types.QueryEngineDescription   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 7849 | CN REST               | Task    | New    | Normal   | Improve exception messages when cascading SSL derived exceptions   | Rob Nahf       | 2016-07-19 17:23 |                     |
| 2466 | Infrastructure        | Task    | New    | Normal   | Authentication - Remove references to Principal  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 6706 | Infrastructure        | Task    | New    | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"                            | Robert Waltz   | 2015-10-09 17:38 | Environment.Sandbox |
| 995  | Infrastructure        | Task    | New    | Normal   | implement JSON formatted OLLs  |                | 2010-10-25 16:45 |                     |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee       | Updated          | Category             |
|------|----------------|---------|--------|----------|---|----------------|------------------|----------------------|
| 6689 | Member Nodes   | Task    | New    | Normal   | FTGEN: Register MN in Testing Environment   |                | 2014-12-04 20:07 |                      |
| 6048 | Member Nodes   | Task    | New    | Normal   | Fix 404 NotFound erros on the EDORA MN  | Jim Green      | 2014-11-24 14:57 |                      |
| 2791 | Infrastructure | Task    | New    | Normal   | verify on dev machines  | Dave Vieglaiss | 2012-05-21 17:41 | d1_cn_buildout       |
| 3260 | Member Nodes   | Task    | New    | Normal   | Scope out the implementation of a CitSci.org MN   | Bruce Wilson   | 2012-09-20 20:51 |                      |
| 6688 | Member Nodes   | Task    | New    | Normal   | FTGEN: Verify MN Content and Services in Testing Environment  |                | 2014-12-04 20:07 |                      |
| 3774 | Member Nodes   | Task    | New    | Normal   | return NotFound exceptions for /meta and /object calls using "near miss" identifiers                            | Ryan Scherle   | 2014-03-14 18:22 |                      |
| 3768 | Infrastructure | Task    | New    | Normal   | Add canonical DataONE description paper to citing DataONE web-page  | Amber Budden   | 2013-05-16 22:20 | Community Engagement |
| 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   |
| 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        |
| 2465 | Infrastructure | Task    | New    | Normal   | Authentication - Remove TODO about selecting format for principal name  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation        |
| 6168 | Infrastructure | Task    | New    | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure  | Chris Jones    | 2014-08-29 16:01 | d1_cn_service        |
| 6250 | Infrastructure | Task    | New    | Normal   | CN methods return 500 ServiceFailure when called with bogus test data and without certificates                  | Chris Jones    | 2014-08-29 18:59 | d1_cn_service        |
| 3314 | Infrastructure | Task    | New    | Normal   | CNRead.getQueryEngineDescription() - REST URL   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation        |
| 1412 | CN REST        | Task    | New    | Normal   | MN health check performed by CN   | Robert Waltz   | 2015-01-19 23:06 |                      |
| 2464 | Infrastructure | Task    | New    | Normal   | Authentication - no space after comma in subjects   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation        |
| 6367 | Infrastructure | Task    | New    | Normal   | Update drive firmware on P2-1 UCSB SAN Array  | Nick Outin     | 2014-09-08 20:19 | Hardware             |
| 8614 | Member Nodes   | Task    | New    | Normal   | BCO-DMO: testing the member node  | Matthew Jones  | 2018-06-13 15:48 |                      |
| 7908 | DUG            | Task    | New    | Normal   | Start a lesson learned document   |                | 2016-10-11 20:35 |                      |
| 3757 | Infrastructure | Task    | New    | Normal   | Verify Log reporting in MN Tester   | Rob Nahf       | 2013-05-10 17:42 | d1_integration       |
| 3728 | Infrastructure | Task    | New    | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata         | Dave Vieglaiss | 2014-09-24 18:27 | Documentation        |
| 1961 | Infrastructure | Task    | New    | Normal   | Types.ErrorMessage - does not exist   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation        |
| 2415 | CN REST        | Task    | New    | Normal   | Implement exceptions for log endpoint   | Robert Waltz   | 2015-01-19 22:49 |                      |
| 1411 | Infrastructure | Task    | New    | Normal   | Vendor Specific Extensions  |                | 2011-03-08 16:59 |                      |
| 2414 | CN REST        | Task    | New    | Normal   | Implement exceptions for search/solr endpoint   | Skye Roseboom  | 2015-01-19 22:49 |                      |
| 6389 | Infrastructure | Task    | New    | Normal   | The version of com.googlecode.foresite-toolkit is 1.0-SNAPSHOT on the d1_libclient_java releases                |                | 2014-09-18 00:42 |                      |
| 3357 | Infrastructure | Task    | New    | Normal   | Address ISet iterator bug that only iterates over a subset of the ISet  | Ben Leinfelder | 2012-12-12 16:54 | Metacat              |
| 6394 | Infrastructure | Task    | New    | Normal   | Resolve SSL certificate connection errors for UNM Epscor Tier 4 MN in development                               | Chris Jones    | 2014-09-18 18:39 | Support Operations   |
| 3371 | Infrastructure | Task    | New    | Normal   | unmarshalTypeFromFile method is using FileReader  |                | 2012-10-29 19:15 |                      |

| #    | Project          | Tracker | Status | Priority | Subject   | Assignee          | Updated          | Category       |
|------|------------------|---------|--------|----------|---|-------------------|------------------|----------------|
| 6397 | Infrastructure   | Task    | New    | Normal   | test that it works from standalone .war                                 | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker   |
| 7155 | OGC-Slender Node | Task    | New    | Normal   | Design the connector, including sources of key information              | Dave Vieglaiss    | 2015-06-05 11:42 |                |
| 6399 | Infrastructure   | Task    | New    | Normal   | set up release practice for the MNWebTester .war                        | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker   |
| 6478 | Infrastructure   | Task    | New    | Normal   | move mncheck VM to a different VMhost                                   | Dave Vieglaiss    | 2014-10-01 20:34 | MNWebChecker   |
| 6483 | Infrastructure   | Task    | New    | Normal   | DataONE xsede VM at ORC   | Michael Campfield | 2014-10-24 10:54 |                |
| 5870 | Member Nodes     | Task    | New    | Normal   | GBIF: Generate client certificate.                                      |                   | 2016-07-02 12:45 |                |
| 6624 | Infrastructure   | Task    | New    | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page           |                   | 2014-11-21 20:29 | Documentation  |
| 3380 | Infrastructure   | Task    | New    | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x                               | Dave Vieglaiss    | 2012-12-12 16:50 |                |
| 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 |
| 1339 | Infrastructure   | Task    | New    | Normal   | "common" -> "base" or "foundation"                                      |                   | 2011-02-09 23:19 |                |
| 6679 | Member Nodes     | Task    | New    | Normal   | FTGEN: Join DataONE   |                   | 2014-12-04 20:07 |                |
| 6681 | Member Nodes     | Task    | New    | Normal   | FTGEN: Plan the implementation  |                   | 2014-12-04 20:07 |                |
| 3411 | Member Nodes     | Task    | New    | Normal   | Collate documents of relevance to MN deployment and operation           | Dave Vieglaiss    | 2012-12-01 18:33 |                |
| 2394 | Infrastructure   | Task    | New    | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglaiss    | 2014-10-02 17:21 | Documentation  |
| 6680 | Member Nodes     | Task    | New    | Normal   | FTGEN: Scope the implementation   |                   | 2014-12-04 20:07 |                |

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