

## Issues

| #    | Project               | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category                      |
|------|-----------------------|---------|-------------|----------|---|---------------|------------------|-------------------------------|
| 8796 | Infrastructure        | Story   | New         | Normal   | Various issues with service access after upgrade to 18.04   | Jing Tao      | 2019-05-21 12:38 |                               |
| 8683 | Member Nodes          | Story   | New         | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN  | John Evans    | 2019-05-15 14:03 |                               |
| 8234 | Infrastructure        | Story   | New         | Normal   | Use University of Kansas ORCID membership to support authentication in production environment                           | Dave Viegla   | 2018-01-09 19:10 | Authentication, Authorization |
| 8782 | Infrastructure        | Story   | New         | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao      | 2019-03-22 18:12 |                               |
| 8244 | Member Nodes          | Story   | New         | Normal   | Upgrade Member Node to current version of Metacat (IOE)   | Amy Forrester | 2018-01-25 15:36 |                               |
| 7219 | Python GMN            | Story   | In Progress | Normal   | Upgrade Django version used by GMN, add better support for PUT operations   | Dave Viegla   | 2016-03-25 01:24 |                               |
| 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            |
| 8368 | Infrastructure        | Story   | New         | Normal   | Update backup strategy for jenkins job configurations to subversion   | Dave Viegla   | 2019-01-22 19:25 | Support Operations            |
| 7882 | Infrastructure        | Story   | In Progress | Normal   | Tune CN logfile management  | Dave Viegla   | 2018-01-17 19:03 |                               |
| 8525 | Infrastructure        | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization  | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization            |
| 8463 | Testing MN Management | Story   | New         | Normal   | test: Testing & Development   |               | 2018-03-01 21:04 |                               |
| 8347 | Testing MN Management | Story   | New         | Normal   | Testing & Development   |               | 2018-02-08 15:28 |                               |
| 8036 | Infrastructure        | Story   | New         | Normal   | synchronization should respond to various MN down conditions to avoid syncFailures                                      | Rob Nahf      | 2018-01-17 18:55 | d1_synchronization            |
| 7889 | Infrastructure        | Story   | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.  | Rob Nahf      | 2018-01-17 19:01 | d1_synchronization            |
| 8864 | CN REST               | Story   | New         | Normal   | Sychronization does not register authoritative replica entry correctly  | Jing Tao      | 2020-06-19 21:59 | d1_synchronization            |
| 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           |
| 6543 | Infrastructure        | Story   | New         | Normal   | Support RIF-CS metadata standard  | Dave Viegla   | 2018-01-17 19:46 | Format ID                     |
| 7095 | Python GMN            | Story   | New         | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model                                     | Dave Viegla   | 2016-03-25 02:30 |                               |
| 7754 | Search UI             | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats   | Bryce Mecum   | 2018-05-17 14:18 | MetacatUI                     |
| 6883 | Infrastructure        | Story   | New         | Normal   | support for ESRI Shapefile object format  |               | 2018-01-17 19:40 | Format ID                     |
| 8504 | Infrastructure        | Story   | New         | Normal   | Support creation of data citation record from solr record   | Monica Ihli   | 2018-07-17 23:06 | d1_indexer                    |
| 8737 | Infrastructure        | Story   | New         | Normal   | Submitters and rights-holders with group permissions can't be granted authorization when the sync process validates sid | Jing Tao      | 2018-11-28 17:12 | d1_synchronization            |
| 8842 | Infrastructure        | Story   | New         | Normal   | Some exceptions in Metacat  |               | 2019-09-19 17:53 |                               |
| 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                    |
| 7712 | Infrastructure        | Story   | New         | Normal   | Sanparks fails during LogAggregation  | Laura Moyers  | 2016-04-06 16:43 | Environment.Production        |

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|------|-----------------------|---------|-------------|----------|---|----------------|------------------|-------------------------------|
| 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                |
| 8207 | Infrastructure        | Story   | New         | Normal   | review and adjust memory allocated to d1-processing   |                | 2018-01-09 19:10 |                               |
| 8208 | Infrastructure        | Story   | New         | Normal   | Review and adjust memory allocated to d1-index-task-generator and d1-index-task-processor             |                | 2018-01-09 19:10 |                               |
| 7940 | Infrastructure        | Story   | New         | Normal   | Retrieval of system metadata is too slow  | Robert Waltz   | 2018-01-09 19:10 | d1_cn_service                 |
| 3720 | Infrastructure        | Story   | New         | Normal   | resource maps should be validated   | Dave Vieglaiss | 2018-01-17 20:17 | Documentation                 |
| 8162 | Infrastructure        | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes  | Rob Nahf       | 2018-03-02 21:47 | d1_replication                |
| 8639 | Infrastructure        | Story   | New         | Normal   | Replication performance is too slow to service demand   | Chris Jones    | 2018-07-04 11:18 | d1_replication                |
| 8582 | CN REST               | Story   | New         | Normal   | Replica Auditing service is throwing errors   | Jing Tao       | 2019-01-14 16:40 | d1_replication_auditor        |
| 6056 | Infrastructure        | Story   | New         | Normal   | remove log aggregation processing from d1-processing Linux service                                    | Dave Vieglaiss | 2018-01-17 19:55 | d1_log_aggregation            |
| 5468 | Python Libraries      | Story   | New         | Low      | Remove dead code from D1 Python stack   | Roger Dahl     | 2018-01-17 19:57 |                               |
| 6071 | Infrastructure        | Story   | In Progress | Normal   | Release Notes and documentation   | Dave Vieglaiss | 2018-01-17 19:53 | Documentation                 |
| 8823 | Infrastructure        | Story   | New         | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                             | Dave Vieglaiss | 2019-06-19 02:43 |                               |
| 2548 | Infrastructure        | Story   | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users                        |                | 2018-01-17 20:36 | Authentication, Authorization |
| 8854 | Infrastructure        | Story   | New         | Normal   | Put the system metadata part ahead of the object part when d1_libclient_java constructs the multipart | Jing Tao       | 2019-11-22 18:25 | d1_libclient_java             |
| 8855 | Infrastructure        | Story   | New         | Normal   | Put the system metadata part ahead of the object part when d1_client_r constructs the multipart       | Matthew Jones  | 2019-11-22 18:29 | d1_client_r                   |
| 8856 | Infrastructure        | Story   | New         | Normal   | Put the system metadata part ahead of the object part when d1_client_python constructs the multipart  |                | 2019-11-22 18:31 | d1_python                     |
| 7224 | Infrastructure        | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option                        |                | 2018-01-17 19:38 | Architecture Design           |
| 8833 | Member Nodes          | Story   | New         | Normal   | Problems utilizing pyshacl within SlenderNodes  | John Evans     | 2019-08-09 18:20 |                               |
| 8343 | Testing MN Management | Story   | New         | Normal   | Planning  |                | 2018-02-08 15:28 |                               |
| 8574 | Search UI             | Story   | New         | Normal   | PANGAEA Temporary Fix: SID only in Data Citation  | Bryce Mecum    | 2018-05-01 01:45 |                               |
| 7611 | Infrastructure        | Story   | New         | Normal   | ORNLDAAAC fails during log aggregation  | Laura Moyers   | 2016-01-26 16:39 | Environment.Production        |
| 4052 | Infrastructure        | Story   | In Progress | Normal   | OPeNDAP MN Story  |                | 2013-10-06 20:07 | mn.OPeNDAP                    |
| 6069 | Infrastructure        | Story   | New         | Normal   | open ask.dataone.org sign-in to community   | Dave Vieglaiss | 2014-10-01 20:39 | Documentation                 |
| 7640 | Infrastructure        | Story   | New         | Normal   | ONEShare failing with ServiceFailure  | Laura Moyers   | 2016-02-12 16:39 | Environment.Production        |
| 7407 | Infrastructure        | Story   | In Progress | Normal   | object formats in the d1_common_java bootstrap list are inconsistent with production                  | Dave Vieglaiss | 2016-03-15 16:49 | d1_indexer                    |
| 6759 | DataONE API           | Story   | New         | Normal   | ObjectFormat Management   | Dave Vieglaiss | 2015-01-19 23:17 |                               |

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| 8535 | Member Nodes          | Story   | In Progress | Normal   | Neotoma: Story: Discovery & Planning  | Amy Forrester  | 2018-04-09 21:14 |                        |
| 7810 | Infrastructure        | Story   | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation              | Rob Nahf       | 2018-01-17 19:09 |                        |
| 8727 | Member Nodes          | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |                | 2019-01-22 18:34 |                        |
| 8352 | Testing MN Management | Story   | New         | Normal   | Move to Production  |                | 2018-02-08 15:28 |                        |
| 6796 | Python Libraries      | Story   | New         | Normal   | Migrate to Python v3  | Roger Dahl     | 2018-01-17 19:43 |                        |
| 8366 | Infrastructure        | Story   | New         | Normal   | Migrate jenkins continuous integration from UNM to UCSB                                   | Dave Vieglaiss | 2019-01-22 19:26 | Support Operations     |
| 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         |
| 7920 | Infrastructure        | Story   | In Progress | Normal   | migrate apache2 authorization rules from 2.2 conforming to 2.4                            | Dave Vieglaiss | 2018-01-17 18:59 | d1_cn_buildout         |
| 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     |
| 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             |
| 8515 | Testing MN Management | Story   | New         | Normal   | meow: Move to Production  |                | 2018-03-22 20:45 |                        |
| 6395 | Infrastructure        | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                        | Rob Nahf       | 2018-01-17 19:51 | MNWebChecker           |
| 7605 | Infrastructure        | Story   | New         | Normal   | MemberNodes not authorizing CN to harvest log records                                     | Dave Vieglaiss | 2018-01-17 19:33 | Environment.Production |
| 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             |
| 8073 | Python GMN            | Story   | New         | Normal   | Make sure unnecessary services are disabled   | Roger Dahl     | 2018-01-17 18:48 |                        |
| 8853 | Infrastructure        | Story   | New         | Normal   | Make cn.resolve smarter   |                | 2019-11-15 16:50 |                        |
| 8602 | Infrastructure        | Story   | New         | Normal   | Log aggregation and augmentation process mid 2018 updates                                 | Dave Vieglaiss | 2018-06-07 20:49 | d1_log_aggregation     |
| 8213 | Member Nodes          | Story   | New         | Normal   | KUBI node is not responding as a MN   | Dave Vieglaiss | 2017-11-06 22:18 |                        |
| 8771 | CN REST               | Story   | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`                                     | Dave Vieglaiss | 2019-03-05 19:43 | d1_cn_rest             |
| 8770 | CN REST               | Story   | New         | Normal   | Issue with CN handling of encoded identifiers in object/ meta/ node/, others?             | Jing Tao       | 2019-03-05 19:37 | d1_cn_rest             |
| 8172 | Infrastructure        | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf       | 2018-01-17 18:39 | d1_indexer             |
| 8540 | Infrastructure        | Story   | New         | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor                                 | Rob Nahf       | 2018-04-12 04:32 | d1_indexer             |
| 3656 | Infrastructure        | Story   | New         | Normal   | integration testing: what are acceptable pids for update?                                 | Roger Dahl     | 2018-01-17 20:22 |                        |
| 8758 | Infrastructure        | Story   | New         | Normal   | Index replicationStatus field   | Jing Tao       | 2019-01-14 18:00 | d1_indexer             |
| 8702 | Infrastructure        | Story   | New         | Normal   | Indexing Refactor Strategy  | Rob Nahf       | 2018-09-24 18:05 | d1_indexer             |
| 8363 | Infrastructure        | Story   | New         | Normal   | indexer shutdown generates index tasks  | Rob Nahf       | 2018-09-24 15:25 | d1_indexer             |
| 8537 | Infrastructure        | Story   | New         | Normal   | indexer doesn't populate SID-defined relationships unless new resourceMap is submitted    | Rob Nahf       | 2018-04-09 22:51 | d1_indexer             |

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| 4463 | Infrastructure   | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing   | Rob Nahf       | 2018-01-17 20:03 | d1_replication         |
| 8831 | Member Nodes     | Story   | New         | Normal   | Import error with schema_org.data   | John Evans     | 2019-08-05 18:57 |                        |
| 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             |
| 7149 | OGC-Slender Node | Story   | Testing     | Normal   | Implement mechanism to retrieve a list of objects available from repository   | Dave Vieglaiss | 2015-06-05 13:37 |                        |
| 8819 | Member Nodes     | Story   | New         | Normal   | IEDA documents not in DataONE   |                | 2019-06-13 19:20 |                        |
| 8738 | Infrastructure   | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue   | Rob Nahf       | 2018-10-30 04:10 | d1_indexer             |
| 7716 | Infrastructure   | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?  | Dave Vieglaiss | 2018-01-17 19:22 | d1_synchronization     |
| 8734 | Infrastructure   | Story   | New         | Normal   | Hazelcast shutdown tied to out of memory exception!   | Rob Nahf       | 2018-10-18 16:55 | Metacat                |
| 8032 | Python GMN       | Story   | In Progress | Normal   | GMN v2  | Roger Dahl     | 2018-01-17 18:55 |                        |
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content  | Dave Vieglaiss | 2015-06-08 18:58 |                        |
| 5895 | Member Nodes     | Story   | New         | Normal   | GBIF: Transition to production  |                | 2018-01-22 18:41 |                        |
| 5838 | Member Nodes     | Story   | New         | Normal   | GBIF: Testing   |                | 2019-01-28 14:39 |                        |
| 5867 | Member Nodes     | Story   | New         | Normal   | GBIF: Registration in Production environment  |                | 2019-01-24 17:08 |                        |
| 5833 | Member Nodes     | Story   | In Progress | Normal   | GBIF: Developing  |                | 2019-02-19 18:24 |                        |
| 8779 | Infrastructure   | Story   | New         | Normal   | ForesiteResourceMap performance issue   | Rob Nahf       | 2019-03-25 18:48 | d1_indexer             |
| 8749 | CN REST          | Story   | New         | Normal   | Fix log aggregation events from the CN without associated CN IPs  | Dave Vieglaiss | 2019-05-01 22:25 |                        |
| 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 |
| 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         |
| 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 |                        |
| 4091 | Infrastructure   | Story   | New         | Normal   | ESRI GeoPortal MN stack   |                | 2013-10-15 13:36 |                        |
| 8869 | Infrastructure   | Story   | New         | Normal   | Equivalent identities show owning different amount of packages.   | Jing Tao       | 2020-09-24 22:34 | d1_indexer             |
| 8756 | CN REST          | Story   | New         | Normal   | Ensure replica auditor is effective   | Chris Jones    | 2019-01-15 21:00 | d1_replication_auditor |
| 8364 | CN REST          | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |                | 2019-05-21 12:57 | d1_portal_servlet      |
| 8155 | Infrastructure   | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API   | Roger Dahl     | 2018-01-17 18:43 | d1_mn_GMN              |
| 8167 | Infrastructure   | Story   | New         | Normal   | Enable postgres replication between Coordinating Nodes  | Monica Ihli    | 2018-01-09 19:10 | dataone-cn-os-core     |
| 4278 | Infrastructure   | Story   | New         | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements  | Jing Tao       | 2018-01-17 20:04 | d1_indexer             |
| 8074 | Python GMN       | Story   | New         | Normal   | Eliminate unnecessary setuid/setgid programs  | Roger Dahl     | 2018-01-17 18:48 |                        |
| 8849 | Infrastructure   | Story   | New         | Normal   | During sync, the CN does not detect error returned from getChecksum()   | Jing Tao       | 2019-11-06 22:07 |                        |

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| 8367 | Infrastructure        | Story   | New         | Normal   | Duplicate jenkins jobs from UNM to UCSB  | Dave Vieglaiss | 2019-01-22 19:25 | Support Operations            |
| 8109 | Infrastructure        | Story   | New         | Normal   | Does authentication token need to include group information?   | Dave Vieglaiss | 2018-01-17 18:45 | Authentication, Authorization |
| 8358 | Member Nodes          | Story   | In Progress | Normal   | Discovery & Planning (CAFF)  | Amy Forrester  | 2018-04-06 14:56 |                               |
| 8340 | Testing MN Management | Story   | New         | Normal   | Discovery  |                | 2018-02-08 15:28 |                               |
| 8381 | Testing MN Management | Story   | New         | Normal   | Discovery  |                | 2018-02-27 17:32 |                               |
| 8061 | Infrastructure        | Story   | New         | Normal   | develop queue-based processing system for the CN   | Rob Nahf       | 2018-01-17 19:00 | Architecture Design           |
| 7559 | Infrastructure        | Story   | New         | Normal   | Develop plan for securing application passwords in the CN stack  | Dave Vieglaiss | 2018-01-17 19:34 | Architecture Design           |
| 8081 | Infrastructure        | Story   | In Progress | Normal   | develop federated broker configuration for indexing  | Rob Nahf       | 2018-01-17 18:46 | d1_indexer                    |
| 1644 | DataONE API           | Story   | New         | Normal   | Develop an object format creation policy   |                | 2018-01-17 20:46 |                               |
| 8084 | Infrastructure        | Story   | New         | Normal   | determine the backup strategy for rabbitMQ   | Rob Nahf       | 2018-01-17 18:46 | d1_indexer                    |
| 7668 | Infrastructure        | Story   | New         | Normal   | Determine how indexing of data packages should work  | Jing Tao       | 2018-01-17 19:28 | d1_indexer                    |
| 7146 | OGC-Slender Node      | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services  | Dave Vieglaiss | 2015-06-05 13:37 |                               |
| 2944 | Infrastructure        | Story   | New         | Normal   | Design and implement a MN kill switch mechanism  | Dave Vieglaiss | 2018-01-17 20:30 | Support Operations            |
| 5141 | Infrastructure        | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document   | Dave Vieglaiss | 2018-01-17 19:58 | Documentation                 |
| 8862 | Infrastructure        | Story   | New         | Normal   | Deploy a new dataone-cn-rest release   | Jing Tao       | 2020-04-23 16:24 |                               |
| 8736 | Infrastructure        | Story   | New         | Normal   | Decouple the index generator to the hazelcast system metadata map  |                | 2019-01-22 19:27 | d1_indexer                    |
| 4188 | Infrastructure        | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification   | Dave Vieglaiss | 2018-01-17 20:05 | d1_schemas                    |
| 7650 | Infrastructure        | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy  | Rob Nahf       | 2018-01-17 19:31 | d1_cn_common                  |
| 8634 | Member Nodes          | Story   | New         | Normal   | DAAC: Testing & Development  | Dave Vieglaiss | 2018-07-02 14:55 |                               |
| 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            |
| 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                |
| 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             |
| 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       |
| 8564 | Member Nodes          | Story   | New         | Normal   | (CyVerse) Testing & Development  | Rob Nahf       | 2018-07-02 19:56 |                               |
| 8568 | Member Nodes          | Story   | New         | Normal   | (CyVerse) Move to production   |                | 2018-04-23 21:18 |                               |
| 8225 | Member Nodes          | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea  | Rob Nahf       | 2018-05-17 14:30 |                               |

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| 7166 | OGC-Slender Node | Story   | New         | Normal   | Create ORE document for an NODC data package  | Dave Vieglaiss | 2015-06-08 18:50 |                               |
| 725  | Infrastructure   | Story   | In Progress | Normal   | Create Authentication and Access control design specifications                            | Dave Vieglaiss | 2018-01-17 20:52 | Documentation                 |
| 6513 | Infrastructure   | Story   | New         | Normal   | Create a Local Cache of all Membernode log records on the single master CN                | Dave Vieglaiss | 2018-01-17 19:49 | d1_log_aggregation            |
| 3591 | Infrastructure   | Story   | In Progress | Normal   | Content consistency checks for new member nodes   | Rob Nahf       | 2018-01-17 20:23 | MNWebChecker                  |
| 7358 | Infrastructure   | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry                                    | Dave Vieglaiss | 2016-12-21 09:05 | Authentication, Authorization |
| 8038 | Infrastructure   | Story   | In Progress | Normal   | connect logging output to a log analysis tool   | Dave Vieglaiss | 2018-01-17 18:52 | d1_synchronization            |
| 8832 | Member Nodes     | Story   | New         | Normal   | Conflict between pyshacl and owl on ubuntu  | John Evans     | 2019-08-05 19:32 |                               |
| 8791 | Infrastructure   | Story   | New         | Normal   | Complete deprecation of ONEMercury interface  | Rob Nahf       | 2019-05-01 14:00 | d1_mercury                    |
| 7807 | Infrastructure   | Story   | New         | Low      | cn.synchronize should support synchronization failure corrections.                        |                | 2018-01-17 19:15 | Architecture Design           |
| 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 |                               |
| 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           |
| 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            |
| 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             |
| 8521 | Member Nodes     | Story   | New         | Normal   | CAFF: Testing & Development   |                | 2018-04-06 15:17 |                               |
| 6850 | Java Client      | Story   | New         | Normal   | automate Java Client releases   | Rob Nahf       | 2018-01-17 19:42 | d1_libclient_java             |
| 8589 | Member Nodes     | Story   | New         | Normal   | ARM: Re-Discovery & Planning  |                | 2018-05-10 21:44 |                               |
| 8848 | Infrastructure   | Story   | New         | Normal   | A minor difference of annotation index between CN and MN                                  |                | 2019-11-01 21:37 |                               |
| 4650 | Infrastructure   | Story   | New         | Normal   | Allow MN to bias resolve to the authoritative MN  | Rob Nahf       | 2018-01-17 20:00 | d1_cn_common                  |
| 8204 | Infrastructure   | Story   | New         | Normal   | Adjust memory allocation for services running under JVM on CNs                            |                | 2018-01-09 19:10 |                               |
| 8762 | Infrastructure   | Story   | New         | Normal   | Add new formats to CN   |                | 2019-02-07 20:03 |                               |
| 7859 | Infrastructure   | Story   | New         | Normal   | Add formatID for the STL 3d model file format   | Dave Vieglaiss | 2018-01-17 19:04 |                               |
| 8173 | Infrastructure   | Story   | New         | High     | add checks for retrograde systemMetadata changes  | Jing Tao       | 2018-01-17 18:38 | d1_indexer                    |
| 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 |                               |
| 1048 | Infrastructure   | Task    | In Progress | Normal   | Write authorization system specification  | Matthew Jones  | 2014-10-01 20:47 |                               |
| 1047 | Infrastructure   | Task    | In Progress | Normal   | Write Authentication system specification   | Matthew Jones  | 2014-10-01 20:47 |                               |
| 4116 | Member Nodes     | Task    | In Progress | Normal   | Work with FRIM to upgrade Metacat to 2.2.1 or later                                       | Jing Tao       | 2015-01-23 19:02 |                               |
| 7475 | DUG              | Task    | New         | Normal   | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC        |                | 2015-11-09 22:38 |                               |
| 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            |

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee            | Updated          | Category            |
|------|------------------|---------|-------------|----------|---|---------------------|------------------|---------------------|
| 5450 | Member Nodes     | Task    | In Progress | Normal   | (Waiting for) USC to complete development of MN stack (derived from GMN)    | Laura Moyers        | 2018-08-31 15:26 |                     |
| 3763 | Infrastructure   | Task    | New         | Low      | Visualize PyPI download statistics for Python components                    | Roger Dahl          | 2014-10-01 21:32 | d1_dashboard        |
| 8247 | Member Nodes     | Task    | New         | Normal   | Verify upgraded metacat is operating correctly as a production member node. | Jing Tao            | 2018-02-02 15:49 |                     |
| 5122 | Member Nodes     | Task    | New         | Normal   | Verify/update information in TFRI's node registration                       | Chris Jones         | 2014-04-18 16:51 |                     |
| 1226 | Infrastructure   | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war           |                     | 2011-01-13 14:57 | d1_cn_buildout      |
| 3868 | Member Nodes     | Task    | In Progress | Normal   | Verify TFRI node is running NTP   | Ben Leinfelder      | 2013-08-05 17:25 |                     |
| 8369 | Infrastructure   | Task    | New         | Normal   | Verify operation and transfer DNS   | Dave Vieglaiss      | 2018-02-15 17:40 |                     |
| 2791 | Infrastructure   | Task    | New         | Normal   | verify on dev machines  | Dave Vieglaiss      | 2012-05-21 17:41 | d1_cn_buildout      |
| 7930 | Member Nodes     | Task    | In Progress | Normal   | verify obsoletion in tDAR sandbox   | Dave Vieglaiss      | 2016-12-01 23:47 |                     |
| 3757 | Infrastructure   | Task    | New         | Normal   | Verify Log reporting in MN Tester   | Rob Nahf            | 2013-05-10 17:42 | d1_integration      |
| 7821 | Python Libraries | Task    | New         | Low      | Verify Expect: 100-Continue header on POST or PUT requests                  | Roger Dahl          | 2016-06-03 19:58 | d1_libclient_python |
| 8810 | CN REST          | Task    | New         | Normal   | Verify configuration of portal certificates                                 |                     | 2019-05-21 13:00 |                     |
| 8066 | Infrastructure   | Task    | New         | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest              | Dave Vieglaiss      | 2017-04-11 23:47 | d1_indexer          |
| 1411 | Infrastructure   | Task    | New         | Normal   | Vendor Specific Extensions  |                     | 2011-03-08 16:59 |                     |
| 4118 | Member Nodes     | Task    | New         | Normal   | Validate FRIM sync against stage environment                                |                     | 2015-01-23 19:02 |                     |
| 7389 | Java Client      | Task    | Testing     | Normal   | V2 D1Object fails to download V1 content                                    | Chris Jones         | 2015-09-28 17:50 | d1_libclient_java   |
| 3989 | Member Nodes     | Task    | New         | Normal   | USGS Clearinghouse resource maps have discrepancies with CN                 | Ranjeet Devarakonda | 2013-09-26 23:34 |                     |
| 2051 | Infrastructure   | Task    | New         | Normal   | Use subject instead of NodeRef  |                     | 2011-11-23 18:11 | Documentation       |
| 8077 | Search UI        | Task    | New         | Normal   | Use ORE PID for citation if DOI   |                     | 2017-04-24 16:32 |                     |
| 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          |
| 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       |
| 8086 | Infrastructure   | Task    | In Progress | Normal   | upgrade Spring dependencies   | Rob Nahf            | 2019-07-25 20:32 | d1_indexer          |
| 8102 | Infrastructure   | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Portal                                  | Jing Tao            | 2017-06-02 20:53 | d1_portal           |
| 8104 | Infrastructure   | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat                                 | Jing Tao            | 2017-06-02 20:58 | Metacat             |
| 8246 | Member Nodes     | Task    | New         | Normal   | Upgrade metacat to the latest version                                       | Jing Tao            | 2018-04-23 16:09 |                     |
| 3380 | Infrastructure   | Task    | New         | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x                                   | Dave Vieglaiss      | 2012-12-12 16:50 |                     |
| 2585 | Infrastructure   | Task    | In Progress | Normal   | Update Use Case 09  | Skye Roseboom       | 2014-09-11 15:47 | d1_replication      |
| 1986 | Infrastructure   | Task    | New         | Normal   | Update UC04 to use correct CN method for determining if a PID exists        | Dave Vieglaiss      | 2014-10-02 17:21 | Documentation       |
| 8604 | Infrastructure   | Task    | New         | Normal   | Update the static IP lists for robots etc                                   | Dave Vieglaiss      | 2018-06-07 20:56 | d1_log_aggregation  |

| #    | Project                 | Tracker | Status      | Priority | Subject   | Assignee            | Updated          | Category               |
|------|-------------------------|---------|-------------|----------|---|---------------------|------------------|------------------------|
| 7439 | MN Service Registration | Task    | New         | Normal   | Update the search interface to support rendering and other actions for services                           | Dave Vieglaiss      | 2015-10-16 14:06 |                        |
| 6843 | Infrastructure          | Task    | In Progress | Normal   | Update the prov instance of the RdfXmlSubprocessor to index renamed and inverse provenance properties     | Chris Jones         | 2017-03-28 16:16 | d1_indexer             |
| 6053 | Member Nodes            | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type   | Ranjeet Devarakonda | 2014-11-24 14:57 |                        |
| 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 |
| 6398 | Infrastructure          | Task    | New         | Normal   | update MNWebTest operations docs  | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker           |
| 1649 | Infrastructure          | Task    | New         | Normal   | Update Metacat's CNCOREImpl to include addFormat()  |                     | 2016-06-22 16:51 |                        |
| 1651 | Infrastructure          | Task    | New         | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                                    |                     | 2016-06-22 16:51 |                        |
| 3906 | Member Nodes            | Task    | New         | High     | Update malformed Resource Maps  |                     | 2013-08-09 17:50 |                        |
| 3625 | Infrastructure          | Task    | New         | Normal   | Update existing SANParks doctype="metadata" objects to new ESRI/FGDC objectFormatId                       | Ben Leinfelder      | 2013-02-27 23:44 | Environment.Production |
| 6367 | Infrastructure          | Task    | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array  | Nick Outin          | 2014-09-08 20:19 | Hardware               |
| 4189 | Infrastructure          | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation   | Dave Vieglaiss      | 2017-01-14 00:24 | d1_schemas             |
| 1648 | Java Client             | Task    | New         | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()   |                     | 2016-06-22 16:51 | d1_libclient_java      |
| 1647 | Java Client             | Task    | New         | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                                      |                     | 2016-06-22 16:51 | d1_common_java         |
| 1650 | Infrastructure          | Task    | New         | Normal   | Update d1_cn_service ProxyCNCoreService and CNCOREController to include addFormat()                       |                     | 2016-06-22 16:51 |                        |
| 3624 | Infrastructure          | Task    | Testing     | Normal   | Update CN index processing to support ESRI FGDC metadata format   | Skye Roseboom       | 2013-03-05 23:27 | d1_indexer             |
| 8858 | Infrastructure          | Task    | New         | Normal   | Update CN Apache configs in version control with directives to support sitemaps                           | Bryce Mecum         | 2020-02-24 19:26 |                        |
| 4190 | Infrastructure          | Task    | New         | Normal   | Update architecture docs to import dataoneErrors.xsd  | Dave Vieglaiss      | 2014-09-24 18:28 | Documentation          |
| 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          |
| 3567 | Member Nodes            | Task    | New         | Normal   | Unresolvable content on CN from ONEShare  |                     | 2016-06-03 13:43 |                        |
| 6761 | Infrastructure          | Task    | New         | Normal   | unregister extraneous nodes in STAGE-2  |                     | 2015-01-14 00:49 | Environment.Stage2     |
| 3371 | Infrastructure          | Task    | New         | Normal   | unmarshalTypeFromFile method is using FileReader  |                     | 2012-10-29 19:15 |                        |
| 907  | Infrastructure          | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages   | Rob Nahf            | 2012-10-16 21:34 | d1_integration         |
| 7096 | CN REST                 | Task    | New         | Normal   | Unexpectedly closed streams / disconnects on UNM network  | Dave Vieglaiss      | 2015-05-12 17:49 |                        |
| 1983 | Infrastructure          | Task    | New         | Normal   | UC04 describes MNCORE.ping() with discovery capability  | Dave Vieglaiss      | 2014-10-02 17:21 | Documentation          |
| 1961 | Infrastructure          | Task    | New         | Normal   | Types.ErrorMessage - does not exist   | Dave Vieglaiss      | 2014-10-02 17:21 | Documentation          |



| #    | Project               | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category           |
|------|-----------------------|---------|-------------|----------|--|----------------|------------------|--------------------|
| 2172 | Infrastructure        | Task    | New         | Normal   | Types.DateTime: Example serialization without TZ designator  | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 2642 | Infrastructure        | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions   | Andrew Pippin  | 2012-07-06 16:25 | d1_mn_GMN          |
| 8346 | Testing MN Management | Task    | New         | Normal   | Training & Education   |                | 2018-02-08 15:28 |                    |
| 8531 | Member Nodes          | Task    | New         | Normal   | Training & education   |                | 2018-04-06 15:11 |                    |
| 1333 | Infrastructure        | Task    | New         | Normal   | traceInformation -> trace  |                | 2011-02-09 22:46 |                    |
| 3894 | Infrastructure        | Task    | New         | Normal   | This task contains all the bugs related to the story   |                | 2014-09-24 18:27 |                    |
| 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 |                    |
| 2147 | Infrastructure        | Task    | New         | Low      | The Python stack does not support Unicode supplementary characters (above 0xffff)                      | Roger Dahl     | 2012-04-16 03:50 | d1_common_python   |
| 3501 | Infrastructure        | Task    | New         | Normal   | The list of MN objects doesn't show an object, but the direct access shows it                          |                | 2013-01-18 19:13 |                    |
| 3597 | Member Nodes          | Task    | New         | Normal   | The Avian Knowledge Network (AKN) and Cornell Lab of Ornithology eBird should be distinct Member Nodes | Ben Leinfelder | 2014-04-23 01:32 |                    |
| 6376 | Infrastructure        | Task    | New         | Normal   | test the new strategy against working ReplicationManager test  | Rob Nahf       | 2016-06-22 16:53 | d1_replication     |
| 8703 | Infrastructure        | Task    | New         | Normal   | test the cleaned up indexer in DEV   | Rob Nahf       | 2018-09-24 18:05 | d1_indexer         |
| 6397 | Infrastructure        | Task    | New         | Normal   | test that it works from standalone .war  | Rob Nahf       | 2014-10-01 20:34 | MNWebChecker       |
| 8466 | Testing MN Management | Task    | New         | Normal   | test: Test Registration  |                | 2018-03-01 21:04 |                    |
| 4665 | Java Client           | Task    | New         | Normal   | Tests contain redundant code.  |                | 2015-02-11 20:08 |                    |
| 8350 | Testing MN Management | Task    | New         | Normal   | Test Registration  |                | 2018-02-08 15:28 |                    |
| 8566 | Member Nodes          | Task    | In Progress | Normal   | Test Registration  | Rob Nahf       | 2019-04-16 17:17 |                    |
| 8464 | Testing MN Management | Task    | New         | Normal   | test: Metadata Validation  |                | 2018-03-01 21:04 |                    |
| 925  | Infrastructure        | Task    | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client  |                | 2011-10-31 20:32 | d1_client_ONEDrive |
| 8145 | Member Nodes          | Task    | New         | Normal   | Test Fabric  | Monica Ihli    | 2017-07-19 00:44 |                    |
| 8467 | Testing MN Management | Task    | New         | Normal   | test: Display as Upcoming  |                | 2018-03-01 21:04 |                    |
| 8465 | Testing MN Management | Task    | New         | Normal   | test: Develop or Implement MN Software   |                | 2018-03-01 21:04 |                    |
| 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 |                    |
| 8149 | Member Nodes          | Task    | New         | Normal   | Test 1.x to 2.x pip upgrade w/ no data   | Monica Ihli    | 2017-09-26 15:57 |                    |
| 8345 | Testing MN Management | Task    | New         | Normal   | Technical Requirements   |                | 2018-02-08 15:28 |                    |

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category               |
|------|------------------|---------|-------------|----------|---|----------------|------------------|------------------------|
| 8723 | Member Nodes     | Task    | New         | Low      | tDAR: Implemented IP Whitelisting on tDAR systems / Impacts to reporting  | Amy Forrester  | 2018-10-02 16:51 |                        |
| 7686 | Member Nodes     | Task    | Testing     | High     | tDAR - Enable URL links out to data from search results   | Ben Leinfelder | 2016-09-27 15:56 |                        |
| 4098 | Infrastructure   | Task    | New         | Normal   | Synchronization should allow valid replicas held by MNs to set obsoletedBy and archive flags  | Dave Vieglaiss | 2014-07-31 22:23 | d1_synchronization     |
| 7911 | CN REST          | Task    | New         | Normal   | Synchronization allows invalid checksums, preventing corrected sync   |                | 2016-10-17 15:58 | d1_synchronization     |
| 8507 | Infrastructure   | Task    | New         | Normal   | Support generation of citation metadata records from dublin core  |                | 2018-03-19 22:37 |                        |
| 6876 | Infrastructure   | Task    | New         | Normal   | Support for ISO 19139 metadata standard   |                | 2015-03-10 17:27 | Format ID              |
| 6877 | Infrastructure   | Task    | New         | Normal   | Support for ISO 19115 metadata standard   |                | 2015-03-10 18:08 | Format ID              |
| 4671 | Java Client      | Task    | In Progress | Normal   | suggest updating the following versions:  |                | 2015-02-11 20:08 |                        |
| 1520 | Infrastructure   | Task    | New         | Normal   | Stream Output   |                | 2011-05-04 14:35 |                        |
| 3994 | Member Nodes     | Task    | New         | Normal   | Stories and bugs are showing up in the MN Dashboard; should be restricted to MNDeployment trackers  | Dave Vieglaiss | 2013-09-26 23:34 |                        |
| 7908 | DUG              | Task    | New         | Normal   | Start a lesson learned document   |                | 2016-10-11 20:35 |                        |
| 8078 | Infrastructure   | Task    | New         | Normal   | standardize task serialization for language independence  | Rob Nahf       | 2017-04-25 22:39 | d1_indexer             |
| 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 |                        |
| 4660 | Java Client      | Task    | New         | Normal   | src/main/java has XML files   | Robert Waltz   | 2015-02-11 20:08 | d1_common_java         |
| 2083 | Infrastructure   | Task    | New         | Normal   | Split the CN API into public and private sections   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation          |
| 2227 | Infrastructure   | Task    | New         | Normal   | Specify valid mimetypes for responses   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation          |
| 3905 | Infrastructure   | Task    | In Progress | Normal   | Sort out shell logins for splunk system   | Bruce Wilson   | 2013-08-23 13:27 | Support Operations     |
| 7466 | Infrastructure   | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API  | Chris Jones    | 2015-11-05 16:11 | Metacat                |
| 7682 | Log Reporting    | Task    | New         | Normal   | Sluggish Purging Read Event Cache   |                | 2016-03-17 15:02 | d1_log_aggregation     |
| 1762 | Infrastructure   | Task    | New         | Normal   | Sketch CN components and associations   | Dave Vieglaiss | 2014-10-02 17:40 |                        |
| 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      |
| 8776 | CN REST          | Task    | New         | Normal   | Set valid replica status to completed   | Chris Jones    | 2019-03-12 15:57 | d1_replication_auditor |
| 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          |
| 6399 | Infrastructure   | Task    | New         | Normal   | set up release practice for the MNWebTester .war  | Rob Nahf       | 2014-10-01 20:34 | MNWebChecker           |
| 2810 | Infrastructure   | Task    | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation          |
| 7123 | Python Libraries | Task    | New         | Normal   | Send Authorization header carrying authentication token   | Roger Dahl     | 2016-04-21 22:37 | d1_libclient_python    |
| 7498 | Search UI        | Task    | In Progress | Normal   | Search UI deployments need to be automated  | Chris Jones    | 2015-11-21 00:36 | MetacatUI              |
| 3260 | Member Nodes     | Task    | New         | Normal   | Scope out the implementation of a CitSci.org MN   | Bruce Wilson   | 2012-09-20 20:51 |                        |

| #    | Project          | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category                      |
|------|------------------|---------|-------------|----------|--|----------------|------------------|-------------------------------|
| 7910 | Infrastructure   | Task    | New         | Normal   | schema validation behavior   | Rob Nahf       | 2018-01-18 02:41 | d1_common_java                |
| 8498 | Member Nodes     | Task    | In Progress | Normal   | SANParks metacat not responding to harvest requests                                  | Matthew Jones  | 2019-04-15 18:09 |                               |
| 3332 | Infrastructure   | Task    | In Progress | Normal   | Revise use cases and add sample code   | Dave Vieglaish | 2014-09-24 18:27 | Documentation                 |
| 3891 | Infrastructure   | Task    | New         | Normal   | review vulnerability to BREACH attacks   | Dave Vieglaish | 2013-08-07 15:01 | Authentication, Authorization |
| 8308 | Infrastructure   | Task    | New         | Normal   | Review use of /node/subject in the node documents                                    |                | 2018-02-06 20:05 |                               |
| 8505 | Infrastructure   | Task    | New         | Normal   | Review solr terms for coverage of data citation elements                             | Monica Ihli    | 2018-03-19 21:57 |                               |
| 3901 | Infrastructure   | Task    | New         | Normal   | Review Mozilla Persona as an alternative for identity management                     | Dave Vieglaish | 2013-08-09 11:57 | Documentation                 |
| 8230 | Infrastructure   | Task    | New         | Normal   | review bouncy castle version   | Rob Nahf       | 2018-03-02 21:48 | d1_libclient_java             |
| 8206 | Infrastructure   | Task    | New         | Normal   | Review and adjust memory allocation to Solr and zookeeper                            |                | 2017-10-24 16:03 |                               |
| 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 |                               |
| 3057 | Java Client      | Task    | In Progress | Normal   | retest CLOSE_WAIT issue once the lib client is complete.                             | Rob Nahf       | 2015-02-11 19:52 | d1_libclient_java             |
| 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            |
| 7140 | Python GMN       | Task    | In Review   | Normal   | Resolve sids to pids   | Dave Vieglaish | 2016-03-25 01:27 |                               |
| 5449 | Member Nodes     | Task    | In Progress | Normal   | Resolve resource map issues for LTER-Europe  | Chris Jones    | 2014-06-20 17:59 |                               |
| 8729 | Member Nodes     | Task    | New         | Normal   | Requirements Analysis  |                | 2018-10-11 17:24 |                               |
| 8830 | Member Nodes     | Task    | New         | Normal   | Requirements Analysis  | John Evans     | 2019-08-06 14:44 |                               |
| 8746 | Infrastructure   | Task    | New         | Normal   | Require email address from user when logging in via ORCID                            |                | 2018-11-16 05:57 |                               |
| 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 |                               |
| 8793 | Infrastructure   | Task    | New         | Normal   | Replace ONEMercury installation  |                | 2019-05-01 14:04 |                               |
| 7425 | Python Libraries | Task    | New         | Normal   | Replace httplib low level use in RestClient with the requests library                | Dave Vieglaish | 2016-03-25 02:03 | d1_common_python              |
| 4719 | Infrastructure   | Task    | In Progress | Normal   | Replace CN client certificate  | Chris Jones    | 2014-09-24 18:14 | Environment.Production        |
| 6760 | Infrastructure   | Task    | New         | Normal   | rename mnDemo9 node  |                | 2015-01-14 00:44 |                               |
| 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                |
| 8808 | Infrastructure   | Task    | New         | Normal   | Remove old versions of Tomcat  |                | 2019-05-21 12:49 |                               |
| 8807 | Infrastructure   | Task    | New         | Normal   | remove old versions of postgres  |                | 2019-05-21 12:47 |                               |
| 8105 | Infrastructure   | Task    | New         | Normal   | Remove dataone-mercury from production CNs   | Jing Tao       | 2018-03-02 22:17 | d1_mercury                    |
| 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 |                               |
| 3114 | Infrastructure   | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2                                      | Andrew Pippin  | 2012-08-02 17:27 |                               |

| #    | Project               | Tracker | Status      | Priority | Subject   | Assignee        | Updated          | Category               |
|------|-----------------------|---------|-------------|----------|---|-----------------|------------------|------------------------|
| 3864 | Infrastructure        | Task    | In Progress | Normal   | Release CCI 1.2.1 Features  | Chris Jones     | 2013-09-12 20:04 | Environment.Production |
| 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 |                        |
| 8222 | Infrastructure        | Task    | New         | Normal   | reindex all isotc211 content in production to reflect final decisions from origin field mapping                             | Dave Vieglaiss  | 2018-03-22 16:56 | d1_indexer             |
| 6514 | Infrastructure        | Task    | New         | Normal   | Reharvest all Records to build initial cache  | Robert Waltz    | 2015-01-13 15:56 | d1_log_aggregation     |
| 6372 | Infrastructure        | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests  | Rob Nahf        | 2016-06-22 16:53 | d1_replication         |
| 7532 | DUG                   | Task    | New         | Normal   | Registration Form for 2016.   |                 | 2015-12-08 21:30 |                        |
| 8354 | Testing MN Management | Task    | New         | Normal   | Register in Production  |                 | 2018-02-08 15:28 |                        |
| 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 |                        |
| 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 |                        |
| 4716 | Infrastructure        | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD   | Chris Jones     | 2014-09-24 18:14 | Environment.Production |
| 4715 | Infrastructure        | Task    | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN  | Chris Jones     | 2014-09-24 18:14 |                        |
| 4714 | Infrastructure        | Task    | In Progress | Normal   | Refresh client certificate for MN urn:node:TFRI   | Chris Jones     | 2014-09-24 18:14 | Environment.Production |
| 4717 | Infrastructure        | Task    | New         | Normal   | refresh client certificate for mn-unm-2.dataone.org   |                 | 2014-09-24 18:14 |                        |
| 1660 | Infrastructure        | Task    | New         | Normal   | Refactor REST calls so that mandatory args are part of the URL and optional args are key/value pairs                        |                 | 2011-06-28 21:35 |                        |
| 6375 | Infrastructure        | Task    | In Progress | Normal   | Refactor out dependency on a working CN   | Rob Nahf        | 2016-06-22 16:53 | d1_replication         |
| 1559 | Java Client           | Task    | New         | Low      | Refactor d1_libclient_java echo tests   | Rob Nahf        | 2015-02-11 19:49 | d1_libclient_java      |
| 1234 | Infrastructure        | Task    | New         | Normal   | Record performance metrics for member nodes   |                 | 2011-01-15 02:52 |                        |
| 8750 | Member Nodes          | Task    | In Progress | Normal   | reconnect eLTER MN to DataONE   | Roger Dahl      | 2018-11-28 16:59 |                        |
| 6927 | Member Nodes          | Task    | In Progress | Normal   | R2R: Register any new object formats in all environments  | Roger Dahl      | 2017-01-19 01:16 |                        |
| 7900 | Member Nodes          | Task    | New         | Normal   | R2R: modify searchUI to accommodate cruise path display for single data package   | Lauren Walker   | 2016-10-04 23:43 |                        |
| 7899 | Member Nodes          | Task    | New         | Normal   | R2R: modify searchUI to accommodate composite data density with cruise paths  | Lauren Walker   | 2016-10-05 03:51 |                        |
| 7531 | DUG                   | Task    | New         | Normal   | Quote request for EAB meeting   |                 | 2015-12-08 20:13 |                        |
| 7744 | Infrastructure        | Task    | New         | Normal   | put together initial design   |                 | 2016-06-22 17:19 |                        |
| 5531 | Infrastructure        | Task    | Testing     | Normal   | Provide overview of replication process for MN implementors   | Matthew Jones   | 2014-10-02 17:21 | Documentation          |
| 8079 | Infrastructure        | Task    | In Progress | Normal   | prototype durable task processing for d1_index_processor  | Rob Nahf        | 2017-04-26 05:45 | d1_indexer             |
| 2593 | Infrastructure        | Task    | New         | Normal   | Prepare science data and metadata content for the workshop  | Dave Vieglaiss  | 2012-04-09 22:52 |                        |
| 2594 | Infrastructure        | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop  | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury             |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---|----------------|------------------|-------------------------------|
| 2281 | Infrastructure | Task    | New         | Low      | Possibly update the Identity Management and Authenticated Session Management doc                      | Matthew Jones  | 2014-10-01 20:47 | Authentication, Authorization |
| 1332 | Infrastructure | Task    | New         | Normal   | Possibly remove MN_crud.update()  |                | 2011-02-09 22:50 |                               |
| 1331 | Infrastructure | Task    | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()  |                | 2011-02-09 22:44 |                               |
| 8026 | Infrastructure | Task    | Testing     | High     | Portal reaches the maximum capacity in a pool   | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet             |
| 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 |                               |
| 4673 | Java Client    | Task    | New         | Normal   | Pom has warnings:   |                | 2015-02-11 20:08 |                               |
| 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 |                               |
| 8730 | Member Nodes   | Task    | New         | Normal   | Plan the Implementation (NCAR)  |                | 2018-10-11 17:21 |                               |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents  | Ben Leinfelder | 2012-07-31 01:34 |                               |
| 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                  |
| 3635 | Infrastructure | Task    | New         | Normal   | Phase two Morpho implementation   | Ben Leinfelder | 2013-03-25 22:49 |                               |
| 7850 | Infrastructure | Task    | New         | Normal   | Passing SID to MNRead.systemMetadataChanged()   | Dave Vieglaiss | 2016-07-20 20:00 |                               |
| 8673 | Member Nodes   | Task    | New         | Normal   | Pangaea- GMN upgrade from 2.4.0 to 3.0.4  | Roger Dahl     | 2018-09-04 18:48 |                               |
| 8378 | Member Nodes   | Task    | In Progress | Normal   | (OTS) replicate data  | Amy Forrester  | 2018-07-31 18:49 |                               |
| 7839 | DataONE API    | Task    | New         | Normal   | Online documentation places synchronize in CNRead api   | Dave Vieglaiss | 2016-12-21 09:04 | api_documentation             |
| 8685 | Member Nodes   | Task    | New         | Normal   | ONEShare - GMN upgrade 2.4.2 to 3.0.4   | Roger Dahl     | 2018-08-23 17:18 |                               |
| 3067 | Infrastructure | Task    | New         | Normal   | Old DAAC PIDs to archive  | Dave Vieglaiss | 2013-01-02 14:14 | mn.Mercury                    |
| 8676 | Member Nodes   | Task    | New         | Normal   | NRDC -GMN upgrade 2.4.2 to 3.0.4  | Roger Dahl     | 2019-03-05 20:43 |                               |
| 7606 | Infrastructure | Task    | In Progress | Normal   | NRDC does not trust the CN certificate for log harvesting   | Laura Moyers   | 2016-04-06 16:14 | Environment.Production        |
| 4668 | Java Client    | Task    | New         | Normal   | - No types implement toString   |                | 2015-02-11 20:08 |                               |
| 4192 | Infrastructure | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition                                  | Dave Vieglaiss | 2014-09-24 18:28 | Management                    |
| 7229 | Python GMN     | Task    | New         | Normal   | non-standard server certificate locations   | Roger Dahl     | 2016-04-21 22:37 |                               |
| 3598 | Infrastructure | Task    | New         | Normal   | Node document subject description is a bit unclear  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*  | Dave Vieglaiss | 2015-06-25 22:00 | d1_schemas                    |
| 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                    |
| 1671 | Infrastructure | Task    | New         | Normal   | Need folder for DUG, accessible by DUG members  | Matthew Jones  | 2011-07-12 12:09 | Support Operations            |
| 3142 | Infrastructure | Task    | New         | Normal   | Need a new local search mechanism   |                | 2013-03-02 05:15 |                               |
| 8681 | Member Nodes   | Task    | New         | Normal   | NCEI - install new GMN  | Roger Dahl     | 2019-03-05 18:20 |                               |

| #    | Project               | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category           |
|------|-----------------------|---------|-------------|----------|--|----------------|------------------|--------------------|
| 3925 | Infrastructure        | Task    | New         | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN  | Rob Nahf       | 2014-10-01 22:04 | MNWebChecker       |
| 8091 | Infrastructure        | Task    | In Progress | Normal   | Mysterious sync failure of an eml object from the GOA node   | Jing Tao       | 2017-05-09 21:33 | dataone-cn-os-core |
| 4672 | Java Client           | Task    | In Progress | Normal   | mvn dependencies:analyse shows transitive dependencies:  |                | 2015-02-11 20:08 |                    |
| 8355 | Testing MN Management | Task    | New         | Normal   | Mutual Acceptance  |                | 2018-02-08 15:28 |                    |
| 8668 | Member Nodes          | Task    | New         | Normal   | MPC- upgrade GMN version 1.2.10 to 3.0.4   | Roger Dahl     | 2019-03-05 20:35 |                    |
| 6478 | Infrastructure        | Task    | New         | Normal   | move mncheck VM to a different VMhost  | Dave Viegla    | 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 |                    |
| 3082 | Infrastructure        | Task    | New         | Normal   | Morpho should not rely on CN for any critical features   |                | 2013-03-02 05:26 | Morpho             |
| 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 |                    |
| 2896 | Infrastructure        | Task    | New         | Normal   | Modify the admin DN in createObjectformat script per environment   | Chris Jones    | 2012-10-05 14:23 | d1_cn_buildout     |
| 1555 | Java Client           | Task    | New         | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient   | Rob Nahf       | 2015-02-11 19:49 | d1_common_java     |
| 7139 | Python GMN            | Task    | In Review   | Normal   | modify postgres schema   | Dave Viegla    | 2016-03-25 01:27 |                    |
| 4147 | Infrastructure        | Task    | In Progress | Normal   | Modify d1_spatial_reporter.py to produce custom JSON output  | Chris Brumgard | 2014-03-31 17:41 | d1_cn_tools        |
| 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       |
| 2809 | Infrastructure        | Task    | New         | Normal   | MNStorage.update() - Make behavior explicit  | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 2508 | Infrastructure        | Task    | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.   | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 2826 | Infrastructure        | Task    | New         | Normal   | MNStorage.archive() - Permissions  | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 2142 | Infrastructure        | Task    | New         | Normal   | MNReplication.getReplica() - include PID in signature  | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 2646 | Infrastructure        | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()  | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 4723 | Infrastructure        | Task    | New         | Normal   | MN recognition of CN   | Dave Viegla    | 2014-10-02 17:21 |                    |
| 2793 | Infrastructure        | Task    | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header  | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 3467 | Infrastructure        | Task    | New         | Normal   | MN.listObject should use auto-incremented key  | Ben Leinfelder | 2013-01-08 18:31 | Metacat            |
| 3907 | Infrastructure        | Task    | New         | Normal   | MN Integration Test - verify system metadata returned matches expected   | Rob Nahf       | 2013-08-09 18:48 | d1_integration     |
| 7279 | Infrastructure        | Task    | New         | Normal   | MN implementation documentation - need document management solution  | Dave Viegla    | 2015-07-28 22:24 | Documentation      |
| 1412 | CN REST               | Task    | New         | Normal   | MN health check performed by CN  | Robert Waltz   | 2015-01-19 23:06 |                    |
| 8232 | Member Nodes          | Task    | New         | Normal   | MN Dashboard/Website Deployment Workflow Documentation   | Dustin Allen   | 2018-01-08 23:30 |                    |

| #    | Project               | Tracker | Status      | Priority  | Subject  | Assignee       | Updated          | Category               |
|------|-----------------------|---------|-------------|-----------|--|----------------|------------------|------------------------|
| 8344 | Testing MN Management | Task    | New         | Normal    | MN Communications  |                | 2018-02-22 19:47 |                        |
| 1808 | Infrastructure        | Task    | New         | Normal    | MNAuthorization.isAuthorized() -> assertAuthorized()                               |                | 2011-10-04 16:08 |                        |
| 3980 | Member Nodes          | Task    | New         | Normal    | Missing content  | Chris Jones    | 2013-09-25 21:48 |                        |
| 8348 | Testing MN Management | Task    | New         | Normal    | Metadata Validation  |                | 2018-02-08 15:28 |                        |
| 3626 | Infrastructure        | Task    | New         | Normal    | Metacat should use correct object format for ESRI profile metadata                 | Ben Leinfelder | 2013-02-27 23:56 | Metacat                |
| 8224 | Infrastructure        | Task    | New         | Normal    | metacat not promoting node token privs for solr                                    | Jing Tao       | 2017-12-04 19:33 | Metacat                |
| 4210 | Infrastructure        | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete() | Chris Jones    | 2013-12-20 16:12 | Metacat                |
| 8811 | Infrastructure        | Task    | New         | Normal    | Merge 2.3.9 changes to trunk   | Jing Tao       | 2019-05-21 13:06 |                        |
| 8517 | Testing MN Management | Task    | New         | Normal    | meow: Register in Production   |                | 2018-03-22 20:45 |                        |
| 8518 | Testing MN Management | Task    | New         | Normal    | meow: Mutual Acceptance  |                | 2018-03-22 20:45 |                        |
| 8516 | Testing MN Management | Task    | New         | Normal    | meow: Implement in Production  |                | 2018-03-22 20:45 |                        |
| 8519 | Testing MN Management | Task    | New         | Normal    | meow: Formal Announcement  |                | 2018-03-22 20:45 |                        |
| 7162 | Python GMN            | Task    | New         | Low       | Member node does not check with coordinating node before replicating               |                | 2015-06-05 23:49 |                        |
| 8775 | Infrastructure        | Task    | In Progress | Normal    | Make taxonomic rank fields in Solr index non-case-sensitive                        | Bryce Mecum    | 2019-03-11 23:35 |                        |
| 3200 | Member Nodes          | Task    | New         | Normal    | Make initial contact with USGS-NWRC  | Mike Frame     | 2013-10-24 15:23 |                        |
| 3185 | Member Nodes          | Task    | In Progress | Normal    | Make initial contact with FRAMES for participation as a MN                         | Dave Vieglaiss | 2012-09-05 02:12 |                        |
| 1473 | Infrastructure        | Task    | New         | Normal    | Make default access policy explicit in Authz docs.                                 | Matthew Jones  | 2014-10-01 20:47 |                        |
| 4136 | Infrastructure        | Task    | In Progress | Normal    | Make cosmetic changes to the distribution map                                      | Chris Jones    | 2014-03-31 17:41 | d1_dashboard           |
| 7607 | Infrastructure        | Task    | New         | Normal    | LTER_EUROPE refuses the production CN from harvesting log records                  | Laura Moyers   | 2016-06-09 16:34 | Environment.Production |
| 7538 | Infrastructure        | Task    | New         | Normal    | look at nodeFactory in how it builds mock CNodes                                   | Rob Nahf       | 2015-12-10 17:03 | d1_libclient_java      |
| 1335 | Infrastructure        | Task    | New         | Normal    | Local caching of the d1 schema.  |                | 2011-02-09 22:56 |                        |
| 2133 | Infrastructure        | Task    | New         | Normal    | listObjects() datetime slicing   |                | 2011-12-12 23:15 |                        |
| 7863 | DUG                   | Task    | New         | Normal    | Link to the recordings   |                | 2016-08-09 20:40 |                        |
| 6624 | Infrastructure        | Task    | New         | Normal    | link Node Identity arch. spec. to OperationDocs Node Reg page                      |                | 2014-11-21 20:29 | Documentation          |
| 1001 | Infrastructure        | Task    | New         | Normal    | Link documentation living with projects into ArchitectureDocs                      |                | 2010-10-21 14:55 |                        |
| 4046 | Member Nodes          | Task    | In Progress | Normal    | Laura to check with Mike re USGS-NWRC planning                                     | Laura Moyers   | 2013-11-03 21:43 |                        |
| 3108 | Infrastructure        | Task    | New         | Normal    | lastHarvested date is always equal to the current time.                            | Dave Vieglaiss | 2012-07-30 22:11 |                        |

| #    | Project               | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category               |
|------|-----------------------|---------|-------------|----------|---|----------------|------------------|------------------------|
| 4117 | Member Nodes          | Task    | New         | Normal   | Issue Test certs for FRIM   |                | 2015-01-23 19:02 |                        |
| 3512 | Infrastructure        | Task    | New         | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes                 | Dave Viegla    | 2013-01-23 16:34 | Environment.Production |
| 3511 | Infrastructure        | Task    | New         | Normal   | Issue certificates from D1TestIntCA for stage environment nodes, and revoke certificates signed by D1TestCA   | Chris Jones    | 2014-09-24 18:25 | Support Operations     |
| 3510 | Infrastructure        | Task    | New         | Normal   | Issue certificates from D1TestIntCA for sandbox environment nodes, and revoke certificates signed by D1TestCA | Chris Jones    | 2014-09-24 18:25 | Support Operations     |
| 3509 | Infrastructure        | Task    | New         | Normal   | Issue certificates from D1TestIntCA for dev environment nodes, and revoke certificates signed by D1TestCA     | Chris Jones    | 2014-09-24 18:25 | Support Operations     |
| 8080 | Infrastructure        | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic                            | Rob Nahf       | 2017-05-09 22:55 | d1_indexer             |
| 1556 | Infrastructure        | Task    | In Progress | High     | Interns mailing list  |                | 2011-05-12 23:02 |                        |
| 817  | Infrastructure        | Task    | New         | Low      | Integration testing: Make Java and Python stack return values equal for each function.                        | Roger Dahl     | 2012-10-08 18:47 |                        |
| 8824 | Infrastructure        | Task    | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs  | Dave Viegla    | 2019-06-19 12:11 |                        |
| 3605 | Member Nodes          | Task    | New         | Normal   | Install a new Metacat instance for the Avian Knowledge Network (AKN) member node                              | Ben Leinfelder | 2013-02-21 16:20 |                        |
| 3198 | Member Nodes          | Task    | New         | Normal   | Initial contact for the USGS MN   | Mike Frame     | 2013-08-23 13:07 |                        |
| 8728 | Member Nodes          | Task    | In Progress | Normal   | Initial Communications (NCAR)   | Amy Forrester  | 2018-10-04 17:24 |                        |
| 8341 | Testing MN Management | Task    | New         | Normal   | Initial Communications  |                | 2018-02-22 19:14 |                        |
| 8382 | Testing MN Management | Task    | New         | Normal   | Initial Communications  |                | 2018-02-27 17:32 |                        |
| 7767 | Infrastructure        | Task    | New         | Normal   | In DataONE search results, move map display to map extent   | Dave Viegla    | 2016-05-04 18:31 |                        |
| 3610 | Infrastructure        | Task    | In Progress | Normal   | Include ESRI-specific FGDC metadata schema in object format list  | Chris Jones    | 2013-07-03 00:23 | Environment.Production |
| 3175 | Infrastructure        | Task    | New         | Normal   | Include dataoneTypes.xsd in Metacat registered schemas  | Chris Jones    | 2012-10-05 14:23 | Metacat                |
| 8499 | Infrastructure        | Task    | New         | Normal   | Improve rendering of http://www.isotc211.org/2005/gmd-pangaea in search UI                                    |                | 2018-05-01 01:07 |                        |
| 3465 | Infrastructure        | Task    | New         | Normal   | Improve Metacat listObject slicing  | Ben Leinfelder | 2013-01-08 18:54 | Metacat                |
| 7849 | CN REST               | Task    | New         | Normal   | Improve exception messages when cascading SSL derived exceptions  | Rob Nahf       | 2016-07-19 17:23 |                        |
| 4667 | Java Client           | Task    | New         | Normal   | - (Important!) No types implement equals or hashCode  |                | 2015-02-11 20:08 |                        |
| 7199 | Python GMN            | Task    | New         | Normal   | Implement support for token authentication approach   | Dave Viegla    | 2016-03-25 01:27 |                        |
| 6025 | Infrastructure        | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack  | Roger Dahl     | 2014-08-01 15:49 |                        |
| 995  | Infrastructure        | Task    | New         | Normal   | implement JSON formatted OLLs   |                | 2010-10-25 16:45 |                        |
| 8353 | Testing MN Management | Task    | New         | Normal   | Implement in Production   |                | 2018-02-08 15:29 |                        |



| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|---------------|------------------|--------------------|
| 991  | Infrastructure | Task    | New         | Low      | implement HEAD /resolve/<guid>   |               | 2010-10-13 22:02 |                    |
| 2414 | CN REST        | Task    | New         | Normal   | Implement exceptions for search/solr endpoint  | Skye Roseboom | 2015-01-19 22:49 |                    |
| 2415 | CN REST        | Task    | New         | Normal   | Implement exceptions for log endpoint  | Robert Waltz  | 2015-01-19 22:49 |                    |
| 3373 | Infrastructure | Task    | New         | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.  |               | 2012-11-06 02:05 |                    |
| 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 |                    |
| 1443 | DataONE API    | Task    | New         | Normal   | Identify operational requirements for monitoring and logging   | Dave Viegla   | 2015-01-19 23:06 |                    |
| 1442 | DataONE API    | Task    | New         | Normal   | Identify monitoring and logging use cases and requirements   | Dave Viegla   | 2015-01-19 23:06 |                    |
| 8506 | Infrastructure | Task    | New         | Normal   | Identify ISO metadata terms appropriate for population of data citation elements of the solr search index                      |               | 2018-10-04 18:17 |                    |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping   | Matthew Jones | 2014-10-01 20:47 |                    |
| 3810 | Infrastructure | Task    | New         | Normal   | Identify and setup location for user oriented operational docs   | Dave Viegla   | 2014-09-24 18:27 | Support Operations |
| 6380 | Member Nodes   | Task    | New         | Normal   | ICMBIO: Initial Preparation  |               | 2015-11-19 17:21 |                    |
| 6382 | Member Nodes   | Task    | In Progress | Normal   | ICMBIO: Determine feasibility  | Laura Moyers  | 2015-11-19 17:21 |                    |
| 1519 | Infrastructure | Task    | New         | Normal   | HTTP Byte Range Requests   |               | 2011-05-04 14:34 |                    |
| 1518 | Infrastructure | Task    | New         | Normal   | How to support caching   |               | 2011-05-04 14:33 |                    |
| 1414 | Infrastructure | Task    | New         | Normal   | How to represent additional Node attributes.   |               | 2011-03-09 06:16 |                    |
| 2487 | CN REST        | Task    | New         | Normal   | How does a CN handle the failure of MN replica to receive MNStorage.systemMetadataChanged()                                    | Robert Waltz  | 2016-08-10 20:51 |                    |
| 1236 | Infrastructure | Task    | New         | Normal   | Highly variable response times from cn.dataone.org   |               | 2011-01-17 16:34 | d1_cn_service      |
| 7125 | Python GMN     | Task    | New         | Normal   | Handle Authorization header carrying authentication token  | Roger Dahl    | 2016-04-21 22:37 |                    |
| 8594 | Member Nodes   | Task    | New         | Normal   | GOA: replicate to Research Workspace   | Matthew Jones | 2018-05-15 17:40 |                    |
| 7550 | Member Nodes   | Task    | New         | Normal   | GoA portal not copying to KNB  | Lauren Walker | 2015-12-14 21:41 |                    |
| 8742 | Member Nodes   | Task    | New         | Normal   | GMN upgrade from 2.4.1 to 3.2.0  | Roger Dahl    | 2018-11-13 19:14 |                    |
| 7703 | Python GMN     | Task    | New         | Normal   | GMN populating ipAddress in LogEntry with abnormal strings   | Roger Dahl    | 2016-06-22 17:19 |                    |
| 7774 | Infrastructure | Task    | New         | Normal   | GMN: Move to Let's Encrypt   |               | 2016-05-09 22:16 |                    |
| 7980 | Member Nodes   | Task    | New         | Normal   | GINA: Verify MN Content and Services in Testing Environment  | Laura Moyers  | 2017-01-27 18:46 |                    |
| 7987 | Member Nodes   | Task    | New         | Normal   | GINA: Verify MN Content and Services in Production   | Laura Moyers  | 2017-01-27 22:16 |                    |
| 7982 | Member Nodes   | Task    | New         | Normal   | GINA: Verify CN Content and Services in Testing Environment  | Laura Moyers  | 2017-01-27 18:59 |                    |
| 7989 | Member Nodes   | Task    | New         | Normal   | GINA: Verify CN Content and Services in Production   | Laura Moyers  | 2017-01-27 22:18 |                    |
| 7984 | Member Nodes   | Task    | New         | Normal   | GINA: Show MN as "upcoming" on the dashboard   | Laura Moyers  | 2017-01-27 22:13 |                    |
| 7981 | Member Nodes   | Task    | New         | Normal   | GINA: Register MN in Testing Environment   | Laura Moyers  | 2017-01-27 18:47 |                    |
| 7988 | Member Nodes   | Task    | New         | Normal   | GINA: Register MN in Production  | Laura Moyers  | 2017-01-27 22:16 |                    |
| 7976 | Member Nodes   | Task    | New         | Normal   | GINA: Register any new object formats in all environments  | Laura Moyers  | 2017-01-27 18:45 |                    |

| #    | Project          | Tracker | Status  | Priority | Subject   | Assignee       | Updated          | Category           |
|------|------------------|---------|---------|----------|---|----------------|------------------|--------------------|
| 7990 | Member Nodes     | Task    | New     | Normal   | GINA: Mutual acceptance   | Laura Moyers   | 2017-01-27 22:18 |                    |
| 7977 | Member Nodes     | Task    | New     | Normal   | GINA: Local Testing   | Roger Dahl     | 2017-01-27 18:46 |                    |
| 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 |                    |
| 7978 | Member Nodes     | Task    | New     | Normal   | GINA: Establish DataONE user identity in Testing Environment                                      | Laura Moyers   | 2017-01-27 18:44 |                    |
| 7985 | Member Nodes     | Task    | New     | Normal   | GINA: Establish DataONE user identity in Production   | Laura Moyers   | 2017-01-27 22:15 |                    |
| 7991 | Member Nodes     | Task    | New     | Normal   | GINA: Ensure MN appears on Current MNs webpage (dashboard)  | Laura Moyers   | 2017-01-27 22:19 |                    |
| 7992 | Member Nodes     | Task    | New     | Normal   | GINA: Document and Announce   | Laura Moyers   | 2017-01-27 22:19 |                    |
| 7979 | Member Nodes     | Task    | New     | Normal   | GINA: Configure SSL Certificates for Testing Environment  | Amy Forrester  | 2018-08-31 15:23 |                    |
| 7986 | Member Nodes     | Task    | New     | Normal   | GINA: Configure SSL Certificates for Production   | Amy Forrester  | 2018-08-31 15:22 |                    |
| 3115 | Infrastructure   | Task    | New     | Normal   | Get R client into working state.  | Andrew Pippin  | 2012-08-02 17:32 |                    |
| 8829 | Member Nodes     | Task    | New     | High     | get DKAN connected to GMN   | John Evans     | 2019-09-03 13:24 |                    |
| 7167 | OGC-Slender Node | Task    | New     | Normal   | Generate system metadata for science metadata   | Dave Vieglaiss | 2015-06-08 18:58 |                    |
| 7168 | OGC-Slender Node | Task    | New     | Normal   | Generate system metadata for data objects   | Dave Vieglaiss | 2015-06-08 18:59 |                    |
| 3333 | Infrastructure   | Task    | New     | Low      | Generalize mk_* scripts for host name   | Dave Vieglaiss | 2012-10-11 18:50 | Support Operations |
| 8534 | Member Nodes     | Task    | New     | Normal   | GCOOS: Technical Requirements & Design Planning   |                | 2018-04-09 20:18 |                    |
| 5885 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs                              |                | 2016-07-02 12:45 |                    |
| 5857 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs                              |                | 2016-07-02 12:45 |                    |
| 5853 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify that the Science Data is returned with the correct HTTP Content-Type                 |                | 2016-07-02 12:45 |                    |
| 5881 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify that the Science Data is returned with the correct HTTP Content-Type                 |                | 2016-07-02 12:45 |                    |
| 5861 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.                                   |                | 2016-07-02 12:45 |                    |
| 5889 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.                                   |                | 2016-07-02 12:45 |                    |
| 5836 | Member Nodes     | Task    | Testing | Normal   | GBIF: Verify that MN passes the Web Tester  | Rob Nahf       | 2018-09-26 19:57 |                    |
| 5872 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify successful installation of server side certificate                                   |                | 2016-07-02 12:45 |                    |
| 5871 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify successful installation of client side certificate                                   |                | 2016-07-02 12:45 |                    |
| 5856 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type                      |                | 2016-07-02 12:45 |                    |
| 5884 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type                      |                | 2016-07-02 12:45 |                    |
| 5883 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify Science Metadata content   |                | 2016-07-02 12:45 |                    |
| 5855 | Member Nodes     | Task    | New     | Normal   | GBIF: Verify Science Metadata content   |                | 2016-07-02 12:45 |                    |

| #    | Project      | Tracker | Status | Priority | Subject  | Assignee | Updated          | Category |
|------|--------------|---------|--------|----------|--|----------|------------------|----------|
| 5882 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata  |          | 2016-07-02 12:45 |          |
| 5854 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Metadata  |          | 2016-07-02 12:45 |          |
| 5852 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data content  |          | 2016-07-02 12:45 |          |
| 5880 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data content  |          | 2016-07-02 12:45 |          |
| 5879 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data  |          | 2016-07-02 12:45 |          |
| 5851 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Science Data  |          | 2016-07-02 12:45 |          |
| 5886 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Maps   |          | 2016-07-02 12:45 |          |
| 5858 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Maps   |          | 2016-07-02 12:45 |          |
| 5860 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type |          | 2016-07-02 12:45 |          |
| 5888 | Member Nodes | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type |          | 2016-07-02 12:45 |          |

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