

## Issues

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category                      |
|------|------------------|---------|-------------|----------|---|---------------|------------------|-------------------------------|
| 8535 | Member Nodes     | Story   | In Progress | Normal   | Neotoma: Story: Discovery & Planning  | Amy Forrester | 2018-04-09 21:14 |                               |
| 8244 | Member Nodes     | Story   | New         | Normal   | Upgrade Member Node to current version of Metacat (IOE)                                       | Amy Forrester | 2018-01-25 15:36 |                               |
| 8358 | Member Nodes     | Story   | In Progress | Normal   | Discovery & Planning (CAFF)   | Amy Forrester | 2018-04-06 14:56 |                               |
| 8574 | Search UI        | Story   | New         | Normal   | PANGAEA Temporary Fix: SID only in Data Citation  | Bryce Mecum   | 2018-05-01 01:45 |                               |
| 7754 | Search UI        | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats   | Bryce Mecum   | 2018-05-17 14:18 | MetacatUI                     |
| 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        |
| 8639 | Infrastructure   | Story   | New         | Normal   | Replication performance is too slow to service demand   | Chris Jones   | 2018-07-04 11:18 | d1_replication                |
| 8756 | CN REST          | Story   | New         | Normal   | Ensure replica auditor is effective   | Chris Jones   | 2019-01-15 21:00 | d1_replication_auditor        |
| 8823 | Infrastructure   | Story   | New         | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                     | Dave Viegla   | 2019-06-19 02:43 |                               |
| 8368 | Infrastructure   | Story   | New         | Normal   | Update backup strategy for jenkins job configurations to subversion                           | Dave Viegla   | 2019-01-22 19:25 | Support Operations            |
| 7407 | Infrastructure   | Story   | In Progress | Normal   | object formats in the d1_common_java bootstrap list are inconsistent with production          | Dave Viegla   | 2016-03-15 16:49 | d1_indexer                    |
| 8749 | CN REST          | Story   | New         | Normal   | Fix log aggregation events from the CN without associated CN IPs                              | Dave Viegla   | 2019-05-01 22:25 |                               |
| 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 |
| 8771 | CN REST          | Story   | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`   | Dave Viegla   | 2019-03-05 19:43 | d1_cn_rest                    |
| 7146 | OGC-Slender Node | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services                                 | Dave Viegla   | 2015-06-05 13:37 |                               |
| 4188 | Infrastructure   | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification                        | Dave Viegla   | 2018-01-17 20:05 | d1_schemas                    |
| 7605 | Infrastructure   | Story   | New         | Normal   | MemberNodes not authorizing CN to harvest log records   | Dave Viegla   | 2018-01-17 19:33 | Environment.Production        |
| 6759 | DataONE API      | Story   | New         | Normal   | ObjectFormat Management   | Dave Viegla   | 2015-01-19 23:17 |                               |
| 6069 | Infrastructure   | Story   | New         | Normal   | open ask.dataone.org sign-in to community   | Dave Viegla   | 2014-10-01 20:39 | Documentation                 |
| 7166 | OGC-Slender Node | Story   | New         | Normal   | Create ORE document for an NODC data package  | Dave Viegla   | 2015-06-08 18:50 |                               |
| 7149 | OGC-Slender Node | Story   | Testing     | Normal   | Implement mechanism to retrieve a list of objects available from repository                   | Dave Viegla   | 2015-06-05 13:37 |                               |
| 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 |                               |
| 8602 | Infrastructure   | Story   | New         | Normal   | Log aggregation and augmentation process mid 2018 updates                                     | Dave Viegla   | 2018-06-07 20:49 | d1_log_aggregation            |
| 8038 | Infrastructure   | Story   | In Progress | Normal   | connect logging output to a log analysis tool   | Dave Viegla   | 2018-01-17 18:52 | d1_synchronization            |
| 8634 | Member Nodes     | Story   | New         | Normal   | DAAC: Testing & Development   | Dave Viegla   | 2018-07-02 14:55 |                               |
| 8367 | Infrastructure   | Story   | New         | Normal   | Duplicate jenkins jobs from UNM to UCSB   | Dave Viegla   | 2019-01-22 19:25 | Support Operations            |
| 2944 | Infrastructure   | Story   | New         | Normal   | Design and implement a MN kill switch mechanism   | Dave Viegla   | 2018-01-17 20:30 | Support Operations            |

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| 8366 | Infrastructure   | Story   | New         | Normal   | Migrate jenkins continuous integration from UNM to UCSB   | Dave Vieglaiss | 2019-01-22 19:26 | Support Operations            |
| 7559 | Infrastructure   | Story   | New         | Normal   | Develop plan for securing application passwords in the CN stack   | Dave Vieglaiss | 2018-01-17 19:34 | Architecture Design           |
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content  | Dave Vieglaiss | 2015-06-08 18:58 |                               |
| 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                |
| 8109 | Infrastructure   | Story   | New         | Normal   | Does authentication token need to include group information?  | Dave Vieglaiss | 2018-01-17 18:45 | Authentication, Authorization |
| 6056 | Infrastructure   | Story   | New         | Normal   | remove log aggregation processing from d1-processing Linux service  | Dave Vieglaiss | 2018-01-17 19:55 | d1_log_aggregation            |
| 6071 | Infrastructure   | Story   | In Progress | Normal   | Release Notes and documentation   | Dave Vieglaiss | 2018-01-17 19:53 | Documentation                 |
| 7358 | Infrastructure   | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry  | Dave Vieglaiss | 2016-12-21 09:05 | Authentication, Authorization |
| 7183 | Infrastructure   | Story   | New         | Normal   | Update wild card server certificate on all test.dataone.org systems   | Dave Vieglaiss | 2015-06-15 15:10 | Support Operations            |
| 5141 | Infrastructure   | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document  | Dave Vieglaiss | 2018-01-17 19:58 | Documentation                 |
| 6543 | Infrastructure   | Story   | New         | Normal   | Support RIF-CS metadata standard  | Dave Vieglaiss | 2018-01-17 19:46 | Format ID                     |
| 8213 | Member Nodes     | Story   | New         | Normal   | KUBI node is not responding as a MN   | Dave Vieglaiss | 2017-11-06 22:18 |                               |
| 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            |
| 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 |                               |
| 7859 | Infrastructure   | Story   | New         | Normal   | Add formatID for the STL 3d model file format   | Dave Vieglaiss | 2018-01-17 19:04 |                               |
| 7716 | Infrastructure   | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?  | Dave Vieglaiss | 2018-01-17 19:22 | d1_synchronization            |
| 7882 | Infrastructure   | Story   | In Progress | Normal   | Tune CN logfile management  | Dave Vieglaiss | 2018-01-17 19:03 |                               |
| 3720 | Infrastructure   | Story   | New         | Normal   | resource maps should be validated   | Dave Vieglaiss | 2018-01-17 20:17 | Documentation                 |
| 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            |
| 7095 | Python GMN       | Story   | New         | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model                                     | Dave Vieglaiss | 2016-03-25 02:30 |                               |
| 8173 | Infrastructure   | Story   | New         | High     | add checks for retrograde systemMetadata changes  | Jing Tao       | 2018-01-17 18:38 | d1_indexer                    |
| 8837 | Infrastructure   | Story   | New         | Normal   | Merge the changes from metacat's feature-project-indexing branch to d1_cn_index_processor                               | Jing Tao       | 2019-08-16 17:18 | d1_indexer                    |
| 4278 | Infrastructure   | Story   | New         | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements  | Jing Tao       | 2018-01-17 20:04 | 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            |

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| 8864 | CN REST        | Story   | New    | Normal   | Synchronization does not register authoritative replica entry correctly                               | Jing Tao      | 2020-06-19 21:59 | d1_synchronization      |
| 8851 | Infrastructure | Story   | New    | Normal   | CN sends error doc with "pid" to v2 endpoint  | Jing Tao      | 2019-11-06 22:31 | d1_synchronization      |
| 8782 | Infrastructure | Story   | New    | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao      | 2019-03-22 18:12 |                         |
| 8862 | Infrastructure | Story   | New    | Normal   | Deploy a new dataone-cn-rest release  | Jing Tao      | 2020-04-23 16:24 |                         |
| 8097 | Infrastructure | Story   | New    | Normal   | Metacat (storage) and d1-synchronize both have the code to compute the checksum                       | Jing Tao      | 2018-01-09 19:10 | d1_synchronization      |
| 8849 | Infrastructure | Story   | New    | Normal   | During sync, the CN does not detect error returned from getChecksum()                                 | Jing Tao      | 2019-11-06 22:07 |                         |
| 8869 | Infrastructure | Story   | New    | Normal   | Equivalent identities show owning different amount of packages.                                       | Jing Tao      | 2020-09-24 22:34 | d1_indexer              |
| 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              |
| 7668 | Infrastructure | Story   | New    | Normal   | Determine how indexing of data packages should work   | Jing Tao      | 2018-01-17 19:28 | d1_indexer              |
| 8796 | Infrastructure | Story   | New    | Normal   | Various issues with service access after upgrade to 18.04   | Jing Tao      | 2019-05-21 12:38 |                         |
| 8582 | CN REST        | Story   | New    | Normal   | Replica Auditing service is throwing errors   | Jing Tao      | 2019-01-14 16:40 | d1_replication_auditor  |
| 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              |
| 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 |
| 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     |
| 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       |
| 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              |
| 8758 | Infrastructure | Story   | New    | Normal   | Index replicationStatus field   | Jing Tao      | 2019-01-14 18:00 | d1_indexer              |
| 8683 | Member Nodes   | Story   | New    | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN  | John Evans    | 2019-05-15 14:03 |                         |
| 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 |                         |
| 8832 | Member Nodes   | Story   | New    | Normal   | Conflict between pyshacl and owl on ubuntu  | John Evans    | 2019-08-05 19:32 |                         |
| 8833 | Member Nodes   | Story   | New    | Normal   | Problems utilizing pyshacl within SlenderNodes  | John Evans    | 2019-08-09 18:20 |                         |
| 8831 | Member Nodes   | Story   | New    | Normal   | Import error with schema_org.data   | John Evans    | 2019-08-05 18:57 |                         |
| 7712 | Infrastructure | Story   | New    | Normal   | Sanparks fails during LogAggregation  | Laura Moyers  | 2016-04-06 16:43 | Environment.Production  |
| 7640 | Infrastructure | Story   | New    | Normal   | ONEShare failing with ServiceFailure  | Laura Moyers  | 2016-02-12 16:39 | Environment.Production  |
| 7611 | Infrastructure | Story   | New    | Normal   | ORNLDAAAC fails during log aggregation  | Laura Moyers  | 2016-01-26 16:39 | Environment.Production  |
| 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             |
| 8167 | Infrastructure | Story   | New    | Normal   | Enable postgres replication between Coordinating Nodes  | Monica Ihli   | 2018-01-09 19:10 | dataone-cn-os-core      |

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| 8504 | Infrastructure | Story   | New         | Normal   | Support creation of data citation record from solr record   | Monica Ihli | 2018-07-17 23:06 | d1_indexer          |
| 8525 | Infrastructure | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization  | Rob Nahf    | 2018-11-16 17:32 | d1_synchronization  |
| 8564 | Member Nodes   | Story   | New         | Normal   | (CyVerse) Testing & Development   | Rob Nahf    | 2018-07-02 19:56 |                     |
| 3591 | Infrastructure | Story   | In Progress | Normal   | Content consistency checks for new member nodes   | Rob Nahf    | 2018-01-17 20:23 | MNWebChecker        |
| 7810 | Infrastructure | Story   | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation  | Rob Nahf    | 2018-01-17 19:09 |                     |
| 8363 | Infrastructure | Story   | New         | Normal   | indexer shutdown generates index tasks  | Rob Nahf    | 2018-09-24 15:25 | d1_indexer          |
| 7650 | Infrastructure | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy   | Rob Nahf    | 2018-01-17 19:31 | d1_cn_common        |
| 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  |
| 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      |
| 8061 | Infrastructure | Story   | New         | Normal   | develop queue-based processing system for the CN  | Rob Nahf    | 2018-01-17 19:00 | Architecture Design |
| 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          |
| 8225 | Member Nodes   | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea   | Rob Nahf    | 2018-05-17 14:30 |                     |
| 8540 | Infrastructure | Story   | New         | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor   | Rob Nahf    | 2018-04-12 04:32 | d1_indexer          |
| 8791 | Infrastructure | Story   | New         | Normal   | Complete deprecation of ONEMercury interface  | Rob Nahf    | 2019-05-01 14:00 | d1_mercury          |
| 8734 | Infrastructure | Story   | New         | Normal   | Hazelcast shutdown tied to out of memory exception!   | Rob Nahf    | 2018-10-18 16:55 | Metacat             |
| 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          |
| 7889 | Infrastructure | Story   | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.  | Rob Nahf    | 2018-01-17 19:01 | d1_synchronization  |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf    | 2018-01-17 18:39 | d1_indexer          |
| 8081 | Infrastructure | Story   | In Progress | Normal   | develop federated broker configuration for indexing   | Rob Nahf    | 2018-01-17 18:46 | d1_indexer          |
| 6850 | Java Client    | Story   | New         | Normal   | automate Java Client releases   | Rob Nahf    | 2018-01-17 19:42 | d1_libclient_java   |
| 8084 | Infrastructure | Story   | New         | Normal   | determine the backup strategy for rabbitMQ  | Rob Nahf    | 2018-01-17 18:46 | d1_indexer          |
| 7713 | Infrastructure | Story   | New         | Normal   | d1DebConfig.xml should be versioned in dataone-cn-os-core   | Rob Nahf    | 2018-01-17 19:24 | d1_cn_buildout      |
| 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   |
| 8779 | Infrastructure | Story   | New         | Normal   | ForesiteResourceMap performance issue   | Rob Nahf    | 2019-03-25 18:48 | d1_indexer          |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue   | Rob Nahf    | 2018-10-30 04:10 | d1_indexer          |
| 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  |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing   | Rob Nahf    | 2018-01-17 20:03 | d1_replication      |

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| 4650 | Infrastructure        | Story   | New         | Normal   | Allow MN to bias resolve to the authoritative MN  | Rob Nahf     | 2018-01-17 20:00 | d1_cn_common        |
| 8702 | Infrastructure        | Story   | New         | Normal   | Indexing Refactor Strategy  | Rob Nahf     | 2018-09-24 18:05 | d1_indexer          |
| 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      |
| 8162 | Infrastructure        | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes  | Rob Nahf     | 2018-03-02 21:47 | d1_replication      |
| 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      |
| 6395 | Infrastructure        | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes  | Rob Nahf     | 2018-01-17 19:51 | MNWebChecker        |
| 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   |
| 7940 | Infrastructure        | Story   | New         | Normal   | Retrieval of system metadata is too slow  | Robert Waltz | 2018-01-09 19:10 | d1_cn_service       |
| 3656 | Infrastructure        | Story   | New         | Normal   | integration testing: what are acceptable pids for update?   | Roger Dahl   | 2018-01-17 20:22 |                     |
| 6796 | Python Libraries      | Story   | New         | Normal   | Migrate to Python v3  | Roger Dahl   | 2018-01-17 19:43 |                     |
| 8074 | Python GMN            | Story   | New         | Normal   | Eliminate unnecessary setuid/setgid programs  | Roger Dahl   | 2018-01-17 18:48 |                     |
| 8032 | Python GMN            | Story   | In Progress | Normal   | GMN v2  | Roger Dahl   | 2018-01-17 18:55 |                     |
| 8073 | Python GMN            | Story   | New         | Normal   | Make sure unnecessary services are disabled   | Roger Dahl   | 2018-01-17 18:48 |                     |
| 8155 | Infrastructure        | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API   | Roger Dahl   | 2018-01-17 18:43 | d1_mn_GMN           |
| 5468 | Python Libraries      | Story   | New         | Low      | Remove dead code from D1 Python stack   | Roger Dahl   | 2018-01-17 19:57 |                     |
| 8736 | Infrastructure        | Story   | New         | Normal   | Decouple the index generator to the hazelcast system metadata map   |              | 2019-01-22 19:27 | d1_indexer          |
| 8340 | Testing MN Management | Story   | New         | Normal   | Discovery   |              | 2018-02-08 15:28 |                     |
| 5838 | Member Nodes          | Story   | New         | Normal   | GBIF: Testing   |              | 2019-01-28 14:39 |                     |
| 8727 | Member Nodes          | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |              | 2019-01-22 18:34 |                     |
| 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           |
| 8463 | Testing MN Management | Story   | New         | Normal   | test: Testing & Development   |              | 2018-03-01 21:04 |                     |
| 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 |
| 8352 | Testing MN Management | Story   | New         | Normal   | Move to Production  |              | 2018-02-08 15:28 |                     |
| 8762 | Infrastructure        | Story   | New         | Normal   | Add new formats to CN   |              | 2019-02-07 20:03 |                     |
| 8521 | Member Nodes          | Story   | New         | Normal   | CAFF: Testing & Development   |              | 2018-04-06 15:17 |                     |
| 6883 | Infrastructure        | Story   | New         | Normal   | support for ESRI Shapefile object format  |              | 2018-01-17 19:40 | Format ID           |
| 5867 | Member Nodes          | Story   | New         | Normal   | GBIF: Registration in Production environment  |              | 2019-01-24 17:08 |                     |

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| 8853 | Infrastructure        | Story   | New         | Normal   | Make cn.resolve smarter   |               | 2019-11-15 16:50 |                               |
| 1644 | DataONE API           | Story   | New         | Normal   | Develop an object format creation policy  |               | 2018-01-17 20:46 |                               |
| 8589 | Member Nodes          | Story   | New         | Normal   | ARM: Re-Discovery & Planning  |               | 2018-05-10 21:44 |                               |
| 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 |                               |
| 8204 | Infrastructure        | Story   | New         | Normal   | Adjust memory allocation for services running under JVM on CNs                            |               | 2018-01-09 19:10 |                               |
| 8515 | Testing MN Management | Story   | New         | Normal   | meow: Move to Production  |               | 2018-03-22 20:45 |                               |
| 8347 | Testing MN Management | Story   | New         | Normal   | Testing & Development   |               | 2018-02-08 15:28 |                               |
| 5895 | Member Nodes          | Story   | New         | Normal   | GBIF: Transition to production  |               | 2018-01-22 18:41 |                               |
| 8381 | Testing MN Management | Story   | New         | Normal   | Discovery   |               | 2018-02-27 17:32 |                               |
| 8848 | Infrastructure        | Story   | New         | Normal   | A minor difference of annotation index between CN and MN                                  |               | 2019-11-01 21:37 |                               |
| 7224 | Infrastructure        | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option            |               | 2018-01-17 19:38 | Architecture Design           |
| 8806 | Infrastructure        | Story   | New         | Normal   | Cleanup from OS upgrades  |               | 2019-05-21 12:45 |                               |
| 8343 | Testing MN Management | Story   | New         | Normal   | Planning  |               | 2018-02-08 15:28 |                               |
| 8568 | Member Nodes          | Story   | New         | Normal   | (CyVerse) Move to production  |               | 2018-04-23 21:18 |                               |
| 8364 | CN REST               | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |               | 2019-05-21 12:57 | d1_portal_servlet             |
| 8819 | Member Nodes          | Story   | New         | Normal   | IEDA documents not in DataONE   |               | 2019-06-13 19:20 |                               |
| 2548 | Infrastructure        | Story   | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users            |               | 2018-01-17 20:36 | Authentication, Authorization |
| 4052 | Infrastructure        | Story   | In Progress | Normal   | OPeNDAP MN Story  |               | 2013-10-06 20:07 | mn.OPeNDAP                    |
| 4091 | Infrastructure        | Story   | New         | Normal   | ESRI GeoPortal MN stack   |               | 2013-10-15 13:36 |                               |
| 5833 | Member Nodes          | Story   | In Progress | Normal   | GBIF: Developing  |               | 2019-02-19 18:24 |                               |
| 8842 | Infrastructure        | Story   | New         | Normal   | Some exceptions in Metacat  |               | 2019-09-19 17:53 |                               |
| 7807 | Infrastructure        | Story   | New         | Low      | cn.synchronize should support synchronization failure corrections.                        |               | 2018-01-17 19:15 | Architecture Design           |
| 3768 | Infrastructure        | Task    | New         | Normal   | Add canonical DataONE description paper to citing DataONE web-page                        | Amber Budden  | 2013-05-16 22:20 | Community Engagement          |
| 8633 | Member Nodes          | Task    | In Progress | Normal   | DAAC: Re-Training & Re-Deployment Planning  | Amy Forrester | 2018-07-02 14:53 |                               |
| 8523 | Member Nodes          | Task    | In Progress | Normal   | CAFF: Technical Requirements & Design Planning  | Amy Forrester | 2018-06-14 14:21 |                               |
| 8645 | Member Nodes          | Task    | New         | Normal   | (Cyverse) Mutual acceptance   | Amy Forrester | 2018-07-05 14:26 |                               |
| 8728 | Member Nodes          | Task    | In Progress | Normal   | Initial Communications (NCAR)   | Amy Forrester | 2018-10-04 17:24 |                               |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|----------------|---------|-------------|----------|--|----------------|------------------|------------------------|
| 5899 | Member Nodes   | Task    | New         | Normal   | GBIF: Create news item   | Amy Forrester  | 2019-01-24 17:10 |                        |
| 8378 | Member Nodes   | Task    | In Progress | Normal   | (OTS) replicate data   | Amy Forrester  | 2018-07-31 18:49 |                        |
| 8522 | Member Nodes   | Task    | In Progress | Normal   | CAFF: MN Communications  | Amy Forrester  | 2018-04-11 14:48 |                        |
| 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 |                        |
| 8723 | Member Nodes   | Task    | New         | Low      | tDAR: Implemented IP Whitelisting on tDAR systems / Impacts to reporting                               | Amy Forrester  | 2018-10-02 16:51 |                        |
| 3115 | Infrastructure | Task    | New         | Normal   | Get R client into working state.   | Andrew Pippin  | 2012-08-02 17:32 |                        |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2  | Andrew Pippin  | 2012-08-02 17:27 |                        |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions   | Andrew Pippin  | 2012-07-06 16:25 | d1_mn_GMN              |
| 7686 | Member Nodes   | Task    | Testing     | High     | tDAR - Enable URL links out to data from search results  | Ben Leinfelder | 2016-09-27 15:56 |                        |
| 3465 | Infrastructure | Task    | New         | Normal   | Improve Metacat listObject slicing   | Ben Leinfelder | 2013-01-08 18:54 | Metacat                |
| 3468 | Infrastructure | Task    | New         | Normal   | Explore how CN.listObject can effectively use auto-incremented key                                     | Ben Leinfelder | 2013-01-08 18:35 | Documentation          |
| 3467 | Infrastructure | Task    | New         | Normal   | MN.listObject should use auto-incremented key  | Ben Leinfelder | 2013-01-08 18:31 | Metacat                |
| 3466 | Infrastructure | Task    | New         | Normal   | Add synthetic key to systemMetadata table  | Ben Leinfelder | 2013-01-08 18:30 |                        |
| 3210 | Member Nodes   | Task    | New         | Normal   | Collect application metadata for the AKN member node   | Ben Leinfelder | 2013-01-08 19:23 |                        |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents   | Ben Leinfelder | 2012-07-31 01:34 |                        |
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats  | Ben Leinfelder | 2012-08-14 23:41 |                        |
| 1479 | CN REST        | Task    | In Progress | Normal   | Design web UI for validating newly created identities  | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 3374 | Member Nodes   | Task    | New         | Normal   | Move kepler-library.org Metacat to new server  | Ben Leinfelder | 2012-11-08 00:31 |                        |
| 2492 | Infrastructure | Task    | New         | Normal   | Add status page for given {pid}  | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor             |
| 3868 | Member Nodes   | Task    | In Progress | Normal   | Verify TFR1 node is running NTP  | Ben Leinfelder | 2013-08-05 17:25 |                        |
| 3357 | Infrastructure | Task    | New         | Normal   | Address ISet iterator bug that only iterates over a subset of the ISet                                 | Ben Leinfelder | 2012-12-12 16:54 | Metacat                |
| 2343 | Infrastructure | Task    | New         | Normal   | Convert style sheets to separate product   | Ben Leinfelder | 2012-02-15 17:43 |                        |
| 3635 | Infrastructure | Task    | New         | Normal   | Phase two Morpho implementation  | Ben Leinfelder | 2013-03-25 22:49 |                        |
| 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 |
| 2168 | CN REST        | Task    | New         | Normal   | Design UI for identity validation  | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 3612 | Infrastructure | Task    | New         | Normal   | CN SystemMetadata has incomplete obsoletedBy information   | Ben Leinfelder | 2013-03-08 17:43 | Environment.Production |
| 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 |                        |
| 3597 | Member Nodes   | Task    | New         | Normal   | The Avian Knowledge Network (AKN) and Cornell Lab of Ornithology eBird should be distinct Member Nodes | Ben Leinfelder | 2014-04-23 01:32 |                        |

| #    | Project        | Tracker | Status      | Priority  | Subject   | Assignee       | Updated          | Category               |
|------|----------------|---------|-------------|-----------|---|----------------|------------------|------------------------|
| 3220 | Member Nodes   | Task    | In Progress | Normal    | contact iEcolab to determine possible MN role   | Ben Leinfelder | 2013-10-01 17:53 |                        |
| 3626 | Infrastructure | Task    | New         | Normal    | Metacat should use correct object format for ESRI profile metadata                                    | Ben Leinfelder | 2013-02-27 23:56 | Metacat                |
| 1035 | Infrastructure | Task    | In Progress | Normal    | Develop reference architecture documents  | Bruce Wilson   | 2011-03-03 19:26 | Documentation          |
| 3260 | Member Nodes   | Task    | New         | Normal    | Scope out the implementation of a CitSci.org MN   | Bruce Wilson   | 2012-09-20 20:51 |                        |
| 5455 | Member Nodes   | Task    | In Progress | Normal    | Contact Line Pouchard to re-open discussion about PURL as a potential MN                              | Bruce Wilson   | 2015-11-19 19:17 |                        |
| 5454 | Member Nodes   | Task    | New         | Normal    | Evaluate dataverse poential MN  | Bruce Wilson   | 2014-05-29 19:30 |                        |
| 3905 | Infrastructure | Task    | In Progress | Normal    | Sort out shell logins for splunk system   | Bruce Wilson   | 2013-08-23 13:27 | Support Operations     |
| 8858 | Infrastructure | Task    | New         | Normal    | Update CN Apache configs in version control with directives to support sitemaps                       | Bryce Mecum    | 2020-02-24 19:26 |                        |
| 8755 | Infrastructure | Task    | New         | Normal    | Expand EML indexing support for EML 2.2   | Bryce Mecum    | 2019-08-15 01:50 |                        |
| 8754 | Infrastructure | Task    | New         | Normal    | Add EML 2.2 to CN formats list  | Bryce Mecum    | 2018-12-19 00:54 |                        |
| 8753 | Infrastructure | Task    | New         | Normal    | Add support for EML 2.2 (indexing, view)  | Bryce Mecum    | 2018-12-19 00:54 |                        |
| 8775 | Infrastructure | Task    | In Progress | Normal    | Make taxonomic rank fields in Solr index non-case-sensitive   | Bryce Mecum    | 2019-03-11 23:35 |                        |
| 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            |
| 4210 | Infrastructure | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()                    | Chris Jones    | 2013-12-20 16:12 | Metacat                |
| 6250 | Infrastructure | Task    | New         | Normal    | CN methods return 500 ServiceFailure when called with bogus test data and without certificates        | Chris Jones    | 2014-08-29 18:59 | d1_cn_service          |
| 5121 | Member Nodes   | Task    | New         | Normal    | Fix DryadDataFile instance documents with no dcterms:creator element                                  | Chris Jones    | 2014-04-30 19:25 |                        |
| 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     |
| 3328 | Infrastructure | Task    | New         | Normal    | Enable a data preview from the search results page  | Chris Jones    | 2012-10-23 19:34 | d1_mercury             |
| 6168 | Infrastructure | Task    | New         | Normal    | CNAuthorization.setRightsHolder() returns 500 ServiceFailure  | Chris Jones    | 2014-08-29 16:01 | d1_cn_service          |
| 6166 | Infrastructure | Task    | New         | Normal    | CNRead.getChecksum() returns Content-Type of text/csv while it should be an xml type                  | Chris Jones    | 2014-08-29 15:04 | d1_cn_service          |
| 7498 | Search UI      | Task    | In Progress | Normal    | Search UI deployments need to be automated  | Chris Jones    | 2015-11-21 00:36 | MetacatUI              |
| 7389 | Java Client    | Task    | Testing     | Normal    | V2 D1Object fails to download V1 content  | Chris Jones    | 2015-09-28 17:50 | d1_libclient_java      |
| 3175 | Infrastructure | Task    | New         | Normal    | Include dataoneTypes.xsd in Metacat registered schemas  | Chris Jones    | 2012-10-05 14:23 | Metacat                |
| 8777 | CN REST        | Task    | New         | Normal    | Configure CN to audit objects greater than 1GB  | Chris Jones    | 2019-03-13 20:50 | d1_replication_auditor |
| 5449 | Member Nodes   | Task    | In Progress | Normal    | Resolve resource map issues for LTER-Europe   | Chris Jones    | 2014-06-20 17:59 |                        |
| 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             |
| 5137 | Infrastructure | Task    | New         | Normal    | Fix DataONE CA chain file location in cn-buildout   | Chris Jones    | 2014-04-25 15:06 | d1_cn_buildout         |
| 5136 | Infrastructure | Task    | New         | Normal    | Change DNS seetings on all DataONE VMs  | Chris Jones    | 2014-05-08 03:16 | Environment.Production |



| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee    | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|-------------|------------------|------------------------|
| 5122 | Member Nodes   | Task    | New         | Normal   | Verify/update information in TFRI's node registration   | Chris Jones | 2014-04-18 16:51 |                        |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header   | Chris Jones | 2013-02-21 18:41 | Metacat                |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate   | Chris Jones | 2014-09-24 18:14 | Environment.Production |
| 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 |
| 7120 | Java Client    | Task    | Testing     | Normal   | Fix DataPackage.insertRelationship() to handle any URI for external identifiers                               | Chris Jones | 2015-06-04 21:48 | d1_libclient_java      |
| 8778 | CN REST        | Task    | New         | Normal   | Ensure SystemMetadata replica auditing updates are saved and broadcast  | Chris Jones | 2019-03-12 16:54 | d1_replication_auditor |
| 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 |
| 2896 | Infrastructure | Task    | New         | Normal   | Modify the admin DN in createObjectformat script per environment  | Chris Jones | 2012-10-05 14:23 | d1_cn_buildout         |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map   | Chris Jones | 2014-03-31 17:41 | d1_dashboard           |
| 3978 | Infrastructure | Task    | In Progress | Normal   | Add a CN reporting script that summarizes spatial data for the dashboard                                      | Chris Jones | 2014-03-31 17:41 | d1_dashboard           |
| 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           |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features  | Chris Jones | 2013-09-12 20:04 | Environment.Production |
| 8697 | Member Nodes   | Task    | New         | Normal   | ESSDIVE: anonymous download issue   | Chris Jones | 2018-09-13 19:40 |                        |
| 3616 | Infrastructure | Task    | New         | Normal   | Enable ServiceMethodRestriction support in Metacat  | Chris Jones | 2013-02-27 16:28 | Metacat                |
| 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 |
| 3980 | Member Nodes   | Task    | New         | Normal   | Missing content   | Chris Jones | 2013-09-25 21:48 |                        |
| 7466 | Infrastructure | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API  | Chris Jones | 2015-11-05 16:11 | Metacat                |
| 3511 | Infrastructure | Task    | New         | Normal   | Issue certificates from D1TestIntCA for stage environment nodes, and revoke certificates signed by D1TestCA   | Chris Jones | 2014-09-24 18:25 | Support Operations     |
| 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     |
| 3488 | Infrastructure | Task    | New         | Normal   | Create custom merge policy to support managing data/information inconsistency                                 | Chris Jones | 2014-03-14 17:27 | Metacat                |
| 8776 | CN REST        | Task    | New         | Normal   | Set valid replica status to completed   | Chris Jones | 2019-03-12 15:57 | d1_replication_auditor |
| 8824 | Infrastructure | Task    | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs  | Dave Viegla | 2019-06-19 12:11 |                        |
| 2033 | Infrastructure | Task    | New         | Normal   | Document hardware / CN administrators and their contact info  | Dave Viegla | 2014-09-24 18:29 | Management             |
| 3314 | Infrastructure | Task    | New         | Normal   | CNRead.getQueryEngineDescription() - REST URL   | Dave Viegla | 2014-10-02 17:21 | Documentation          |
| 3411 | Member Nodes   | Task    | New         | Normal   | Collate documents of relevance to MN deployment and operation   | Dave Viegla | 2012-12-01 18:33 |                        |

| #    | Project          | Tracker | Status      | Priority | Subject  | Assignee    | Updated          | Category            |
|------|------------------|---------|-------------|----------|--|-------------|------------------|---------------------|
| 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 |                     |
| 2029 | Infrastructure   | Task    | New         | Normal   | Document VM specifications for replication MNs   | Dave Viegla | 2014-09-24 18:29 | Management          |
| 2028 | Infrastructure   | Task    | New         | Normal   | Document VM specifications for CNs   | Dave Viegla | 2014-09-24 18:29 | Management          |
| 7279 | Infrastructure   | Task    | New         | Normal   | MN implementation documentation - need document management solution  | Dave Viegla | 2015-07-28 22:24 | Documentation       |
| 1986 | Infrastructure   | Task    | New         | Normal   | Update UC04 to use correct CN method for determining if a PID exists   | Dave Viegla | 2014-10-02 17:21 | Documentation       |
| 3332 | Infrastructure   | Task    | In Progress | Normal   | Revise use cases and add sample code   | Dave Viegla | 2014-09-24 18:27 | Documentation       |
| 7850 | Infrastructure   | Task    | New         | Normal   | Passing SID to MNRead.systemMetadataChanged()  | Dave Viegla | 2016-07-20 20:00 |                     |
| 1961 | Infrastructure   | Task    | New         | Normal   | Types.ErrorMessage - does not exist  | Dave Viegla | 2014-10-02 17:21 | Documentation       |
| 3315 | Infrastructure   | Task    | New         | Normal   | CNRead.query() - POST in addition to GET   | Dave Viegla | 2014-10-02 17:21 | Documentation       |
| 7127 | DataONE API      | Task    | New         | Normal   | Finalize CNAAuthentication interface   | Dave Viegla | 2015-05-21 19:31 | api_documentation   |
| 1983 | Infrastructure   | Task    | New         | Normal   | UC04 describes MNCore.ping() with discovery capability   | Dave Viegla | 2014-10-02 17:21 | Documentation       |
| 7138 | Python GMN       | Task    | Testing     | Normal   | Create new view functions  | Dave Viegla | 2016-03-25 01:27 |                     |
| 6167 | Infrastructure   | Task    | New         | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case                                     | Dave Viegla | 2014-10-02 17:21 | Documentation       |
| 3308 | Infrastructure   | Task    | New         | Normal   | Document the process for removing content contributed from a specific member node and/or the entire member node                | Dave Viegla | 2014-03-14 18:29 | Support Operations  |
| 8369 | Infrastructure   | Task    | New         | Normal   | Verify operation and transfer DNS  | Dave Viegla | 2018-02-15 17:40 |                     |
| 2791 | Infrastructure   | Task    | New         | Normal   | verify on dev machines   | Dave Viegla | 2012-05-21 17:41 | d1_cn_buildout      |
| 8804 | Infrastructure   | Task    | New         | Normal   | Add ldap backup config to cn os-core   | Dave Viegla | 2019-05-21 12:32 | dataone-cn-os-core  |
| 1762 | Infrastructure   | Task    | New         | Normal   | Sketch CN components and associations  | Dave Viegla | 2014-10-02 17:40 |                     |
| 6754 | Infrastructure   | Task    | New         | Normal   | Architecture API loose ends  | Dave Viegla | 2015-01-13 18:54 | Architecture Design |
| 7427 | Python Libraries | Task    | New         | Normal   | adjust API signatures in python libraries  | Dave Viegla | 2016-03-25 01:11 | d1_libclient_python |
| 7102 | Member Nodes     | Task    | In Progress | Normal   | Create test server certificate for test.piscoweb.org   | Dave Viegla | 2015-05-14 18:28 |                     |
| 7199 | Python GMN       | Task    | New         | Normal   | Implement support for token authentication approach  | Dave Viegla | 2016-03-25 01:27 |                     |
| 7103 | Member Nodes     | Task    | New         | Normal   | Create a new test certificate for mnStagePISCO   | Dave Viegla | 2015-05-14 18:29 |                     |
| 3185 | Member Nodes     | Task    | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN   | Dave Viegla | 2012-09-05 02:12 |                     |
| 8747 | Infrastructure   | Task    | New         | Normal   | Adjust package configuration to persist changes between updates  | Dave Viegla | 2018-11-16 17:32 |                     |
| 4723 | Infrastructure   | Task    | New         | Normal   | MN recognition of CN   | Dave Viegla | 2014-10-02 17:21 |                     |
| 4722 | Infrastructure   | Task    | New         | Normal   | Clarify permissions for CN   | Dave Viegla | 2014-10-02 17:21 |                     |
| 8235 | Infrastructure   | Task    | New         | Normal   | Arrange with KU library to make use of ORCID membership to support DataONE authentication                                      | Dave Viegla | 2018-01-09 02:01 |                     |

| #    | Project          | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category                      |
|------|------------------|---------|-------------|----------|--|----------------|------------------|-------------------------------|
| 8237 | Infrastructure   | Task    | New         | Normal   | Configure production environment to use new API key under KU ORCID membership                      | Dave Vieglaiss | 2018-01-09 02:21 | Authentication, Authorization |
| 8236 | Infrastructure   | Task    | New         | Normal   | Acquire ORCID API key under KU membership  | Dave Vieglaiss | 2018-01-09 02:21 |                               |
| 7137 | Python GMN       | Task    | Testing     | Normal   | Add support for V2 urls  | Dave Vieglaiss | 2016-03-25 01:27 |                               |
| 8238 | Infrastructure   | Task    | New         | Normal   | Document contacts and procedure for using KU ORCID membership API key                              | Dave Vieglaiss | 2018-01-09 02:22 | Authentication, Authorization |
| 7096 | CN REST          | Task    | New         | Normal   | Unexpectedly closed streams / disconnects on UNM network   | Dave Vieglaiss | 2015-05-12 17:49 |                               |
| 7139 | Python GMN       | Task    | In Review   | Normal   | modify postgres schema   | Dave Vieglaiss | 2016-03-25 01:27 |                               |
| 2827 | Infrastructure   | Task    | In Progress | Normal   | nesting groups requires schema change*   | Dave Vieglaiss | 2015-06-25 22:00 | d1_schemas                    |
| 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                    |
| 3380 | Infrastructure   | Task    | New         | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x  | Dave Vieglaiss | 2012-12-12 16:50 |                               |
| 7177 | Infrastructure   | Task    | New         | Normal   | Develop video documentation for certificate management   | Dave Vieglaiss | 2015-06-10 01:33 | Documentation                 |
| 3067 | Infrastructure   | Task    | New         | Normal   | Old DAAC PIDs to archive   | Dave Vieglaiss | 2013-01-02 14:14 | mn.Mercury                    |
| 3063 | Infrastructure   | Task    | New         | Normal   | Change Mutability of Metadata documentation  | Dave Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 4190 | Infrastructure   | Task    | New         | Normal   | Update architecture docs to import dataoneErrors.xsd   | Dave Vieglaiss | 2014-09-24 18:28 | Documentation                 |
| 4189 | Infrastructure   | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation  | Dave Vieglaiss | 2017-01-14 00:24 | d1_schemas                    |
| 7176 | Infrastructure   | Task    | New         | Normal   | Develop textual documentation for certificate management   | Dave Vieglaiss | 2015-06-10 01:33 | Documentation                 |
| 6478 | Infrastructure   | Task    | New         | Normal   | move mncheck VM to a different VMhost  | Dave Vieglaiss | 2014-10-01 20:34 | MNWebChecker                  |
| 2826 | Infrastructure   | Task    | New         | Normal   | MNStorage.archive() - Permissions  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2809 | Infrastructure   | Task    | New         | Normal   | MNStorage.update() - Make behavior explicit  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2810 | Infrastructure   | Task    | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect                                   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 4102 | Infrastructure   | Task    | New         | Normal   | Add expiration policy for CNCore.reserveldentifier()   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 4098 | Infrastructure   | Task    | New         | Normal   | Synchronization should allow valid replicas held by MNs to set obsoletedBy and archive flags       | Dave Vieglaiss | 2014-07-31 22:23 | d1_synchronization            |
| 7167 | OGC-Slender Node | Task    | New         | Normal   | Generate system metadata for science metadata  | Dave Vieglaiss | 2015-06-08 18:58 |                               |
| 2793 | Infrastructure   | Task    | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header              | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 7181 | Python Libraries | Task    | In Progress | Normal   | add d1_libclient_python implementation   | Dave Vieglaiss | 2016-04-21 22:37 | d1_libclient_python           |
| 4053 | Infrastructure   | Task    | In Progress | Normal   | Architect OPeNDAP MN   | Dave Vieglaiss | 2013-10-06 20:11 | mn.OPeNDAP                    |
| 2688 | Infrastructure   | Task    | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison       | Dave Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 7168 | OGC-Slender Node | Task    | New         | Normal   | Generate system metadata for data objects  | Dave Vieglaiss | 2015-06-08 18:59 |                               |
| 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 |                               |

| #    | Project                 | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category                      |
|------|-------------------------|---------|-------------|----------|---|----------------|------------------|-------------------------------|
| 2660 | Infrastructure          | Task    | New         | Normal   | Deciding on a key size for D1 certs   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2646 | Infrastructure          | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()                     | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 7930 | Member Nodes            | Task    | In Progress | Normal   | verify obsoletion in tDAR sandbox   | Dave Vieglaiss | 2016-12-01 23:47 |                               |
| 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 |                               |
| 2593 | Infrastructure          | Task    | New         | Normal   | Prepare science data and metadata content for the workshop  | Dave Vieglaiss | 2012-04-09 22:52 |                               |
| 3901 | Infrastructure          | Task    | New         | Normal   | Review Mozilla Persona as an alternative for identity management  | Dave Vieglaiss | 2013-08-09 11:57 | Documentation                 |
| 3891 | Infrastructure          | Task    | New         | Normal   | review vulnerability to BREACH attacks  | Dave Vieglaiss | 2013-08-07 15:01 | Authentication, Authorization |
| 3881 | Infrastructure          | Task    | New         | Normal   | 4.2.1.4 Definition of Verified User Lacking   | Dave Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 1443 | DataONE API             | Task    | New         | Normal   | Identify operational requirements for monitoring and logging  | Dave Vieglaiss | 2015-01-19 23:06 |                               |
| 2508 | Infrastructure          | Task    | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.                            | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 7425 | Python Libraries        | Task    | New         | Normal   | Replace httplib low level use in RestClient with the requests library                                   | Dave Vieglaiss | 2016-03-25 02:03 | d1_common_python              |
| 3878 | Infrastructure          | Task    | New         | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation   | Dave Vieglaiss | 2014-09-24 18:27 |                               |
| 7155 | OGC-Slender Node        | Task    | New         | Normal   | Design the connector, including sources of key information  | Dave Vieglaiss | 2015-06-05 11:42 |                               |
| 1442 | DataONE API             | Task    | New         | Normal   | Identify monitoring and logging use cases and requirements  | Dave Vieglaiss | 2015-01-19 23:06 |                               |
| 2475 | Infrastructure          | Task    | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 3810 | Infrastructure          | Task    | New         | Normal   | Identify and setup location for user oriented operational docs  | Dave Vieglaiss | 2014-09-24 18:27 | Support Operations            |
| 3807 | Infrastructure          | Task    | New         | Normal   | Add documentation for Types.QueryEngineDescription  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2466 | Infrastructure          | Task    | New         | Normal   | Authentication - Remove references to Principal   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2465 | Infrastructure          | Task    | New         | Normal   | Authentication - Remove TODO about selecting format for principal name                                  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2464 | Infrastructure          | Task    | New         | Normal   | Authentication - no space after comma in subjects   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 3728 | Infrastructure          | Task    | New         | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata | Dave Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 8604 | Infrastructure          | Task    | New         | Normal   | Update the static IP lists for robots etc   | Dave Vieglaiss | 2018-06-07 20:56 | d1_log_aggregation            |
| 2394 | Infrastructure          | Task    | New         | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2030 | Infrastructure          | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UNM                                  | Dave Vieglaiss | 2014-09-24 18:29 | Hardware                      |
| 2342 | Infrastructure          | Task    | New         | Normal   | CNCore.reserveIdentifier() - Update REST description  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 7767 | Infrastructure          | Task    | New         | Normal   | In DataONE search results, move map display to map extent   | Dave Vieglaiss | 2016-05-04 18:31 |                               |
| 2344 | Infrastructure          | Task    | New         | Normal   | Add category for Ben's style sheets in Redmine  | Dave Vieglaiss | 2012-02-15 17:45 | Support Operations            |
| 8066 | Infrastructure          | Task    | New         | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest  | Dave Vieglaiss | 2017-04-11 23:47 | d1_indexer                    |

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee        | Updated          | Category               |
|------|------------------|---------|-------------|----------|---|-----------------|------------------|------------------------|
| 4704 | Infrastructure   | Task    | New         | Normal   | Create a view of MN holdings from a CN perspective  | Dave Vieglaiss  | 2014-04-09 15:33 |                        |
| 2227 | Infrastructure   | Task    | New         | Normal   | Specify valid mimetypes for responses   | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 2172 | Infrastructure   | Task    | New         | Normal   | Types.DateTime: Example serialization without TZ designator                                   | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 3974 | Infrastructure   | Task    | New         | Normal   | Complete agenda for meeting   | Dave Vieglaiss  | 2013-09-11 20:59 |                        |
| 7148 | OGC-Slender Node | Task    | In Progress | Normal   | Determine formatId for science metadata   | Dave Vieglaiss  | 2015-09-22 16:27 |                        |
| 2169 | Infrastructure   | Task    | In Progress | Normal   | Design content and layout for status page   | Dave Vieglaiss  | 2012-03-14 20:40 | d1_monitor             |
| 3598 | Infrastructure   | Task    | New         | Normal   | Node document subject description is a bit unclear  | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 2142 | Infrastructure   | Task    | New         | Normal   | MNReplication.getReplica() - include PID in signature   | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 2131 | Infrastructure   | Task    | New         | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId  | Dave Vieglaiss  | 2014-10-02 17:21 |                        |
| 1227 | Infrastructure   | Task    | New         | Normal   | configure Hudson to build Mercury for deployment to a CN                                      | Dave Vieglaiss  | 2011-01-13 15:16 | d1_mercury             |
| 2123 | Infrastructure   | Task    | New         | Normal   | Description of serialVersion  | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 2083 | Infrastructure   | Task    | New         | Normal   | Split the CN API into public and private sections   | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 2054 | Infrastructure   | Task    | New         | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                             | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 7140 | Python GMN       | Task    | In Review   | Normal   | Resolve sids to pids  | Dave Vieglaiss  | 2016-03-25 01:27 |                        |
| 3518 | Member Nodes     | Task    | New         | Normal   | Arctos: New MN discussion   | Dave Vieglaiss  | 2013-01-25 18:27 |                        |
| 7169 | OGC-Slender Node | Task    | New         | Normal   | Enable tracking of obsoletes / obsoleted by for data objects                                  | Dave Vieglaiss  | 2015-06-08 19:01 |                        |
| 3512 | Infrastructure   | Task    | New         | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes | Dave Vieglaiss  | 2013-01-23 16:34 | Environment.Production |
| 4068 | Member Nodes     | Task    | New         | Normal   | Coordinate discussions for biodiversity data in DataONE with TDWG participants                | Dave Vieglaiss  | 2016-06-17 19:31 |                        |
| 2794 | Infrastructure   | Task    | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"        | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 7839 | DataONE API      | Task    | New         | Normal   | Online documentation places synchronize in CNRead api   | Dave Vieglaiss  | 2016-12-21 09:04 | api_documentation      |
| 3108 | Infrastructure   | Task    | New         | Normal   | lastHarvested date is always equal to the current time.                                       | Dave Vieglaiss  | 2012-07-30 22:11 |                        |
| 4192 | Infrastructure   | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition                          | Dave Vieglaiss  | 2014-09-24 18:28 | Management             |
| 3333 | Infrastructure   | Task    | New         | Low      | Generalize mk_* scripts for host name   | Dave Vieglaiss  | 2012-10-11 18:50 | Support Operations     |
| 2286 | Infrastructure   | Task    | New         | Low      | Change Exceptions.InvalidToken to Exceptions.InvalidSession                                   | Dave Vieglaiss  | 2014-10-02 17:21 | Documentation          |
| 8232 | Member Nodes     | Task    | New         | Normal   | MN Dashboard/Website Deployment Workflow Documentation  | Dustin Allen    | 2018-01-08 23:30 |                        |
| 2594 | Infrastructure   | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop  | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury             |
| 7922 | Infrastructure   | Task    | New         | Normal   | DataONE Accessibility   | Isis Serna      | 2016-10-31 23:05 |                        |
| 6048 | Member Nodes     | Task    | New         | Normal   | Fix 404 NotFound errors on the EDORA MN   | Jim Green       | 2014-11-24 14:57 |                        |
| 8026 | Infrastructure   | Task    | Testing     | High     | Portal reaches the maximum capacity in a pool   | Jing Tao        | 2017-03-14 00:36 | d1_portal_servlet      |
| 5988 | Infrastructure   | Task    | New         | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                       | Jing Tao        | 2014-07-22 23:18 | Hardware               |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee     | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|--------------|------------------|--------------------|
| 8246 | Member Nodes   | Task    | New         | Normal   | Upgrade metacat to the latest version  | Jing Tao     | 2018-04-23 16:09 |                    |
| 8247 | Member Nodes   | Task    | New         | Normal   | Verify upgraded metacat is operating correctly as a production member node.                                | Jing Tao     | 2018-02-02 15:49 |                    |
| 8587 | Member Nodes   | Task    | New         | Normal   | Add DataONE Logo to SanParks website   | Jing Tao     | 2018-05-09 21:19 |                    |
| 8105 | Infrastructure | Task    | New         | Normal   | Remove dataone-mercury from production CNs   | Jing Tao     | 2018-03-02 22:17 | d1_mercury         |
| 8739 | Infrastructure | Task    | In Progress | Normal   | Attempting to set ulimit results in error on UCSB systems  | Jing Tao     | 2018-11-08 15:10 | d1_process_daemon  |
| 8224 | Infrastructure | Task    | New         | Normal   | metacat not promoting node token privs for solr  | Jing Tao     | 2017-12-04 19:33 | Metacat            |
| 8811 | Infrastructure | Task    | New         | Normal   | Merge 2.3.9 changes to trunk   | Jing Tao     | 2019-05-21 13:06 |                    |
| 8151 | Infrastructure | Task    | New         | Normal   | CNs should verify that the authoritativeMN listed in SystemMetadata is a valid MN                          | Jing Tao     | 2017-07-19 21:32 |                    |
| 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 |                    |
| 8104 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat  | Jing Tao     | 2017-06-02 20:58 | Metacat            |
| 8150 | Infrastructure | Task    | New         | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata                                  | Jing Tao     | 2017-07-19 21:27 |                    |
| 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      |
| 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 |
| 8817 | Infrastructure | Task    | New         | Normal   | Configure sitemaps on the CN   | Jing Tao     | 2020-03-12 18:30 |                    |
| 8070 | Infrastructure | Task    | New         | Normal   | Consolidate the index application-context files  | Jing Tao     | 2017-04-13 12:51 |                    |
| 8469 | CN REST        | Task    | In Progress | Normal   | evaluate if ORCID API will continue to work after 1.2 is deprecated  | Jing Tao     | 2018-03-22 16:54 | d1_portal_servlet  |
| 8102 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Portal   | Jing Tao     | 2017-06-02 20:53 | d1_portal          |
| 7949 | Infrastructure | Task    | New         | Normal   | Ensure that there's no race condition where an entry can be added to "IN PROCESS" if it is already present | Jing Tao     | 2017-02-27 17:55 |                    |
| 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         |
| 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         |
| 3410 | Member Nodes   | Task    | New         | Normal   | Develop a Redmine Cheatsheet to help with a wider REDMine user community interacting with MN issues        | John Cobb    | 2012-11-30 19:36 |                    |
| 8829 | Member Nodes   | Task    | New         | High     | get DKAN connected to GMN  | John Evans   | 2019-09-03 13:24 |                    |
| 8830 | Member Nodes   | Task    | New         | Normal   | Requirements Analysis  | John Evans   | 2019-08-06 14:44 |                    |
| 3596 | Infrastructure | Task    | New         | Normal   | Fix Merritt Repository resource map typing of triple objects   | John Kunze   | 2013-02-19 02:27 | mn.Merritt         |
| 7046 | Member Nodes   | Task    | New         | High     | Certificate DC=org,DC=dataone,CN=osu.piscoweb.org expires in Prod environment                              | Laura Moyers | 2015-04-20 16:54 |                    |
| 6382 | Member Nodes   | Task    | In Progress | Normal   | ICMBIO: Determine feasibility  | Laura Moyers | 2015-11-19 17:21 |                    |
| 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 |                    |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|---------------|------------------|------------------------|
| 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 |
| 7612 | Infrastructure | Task    | In Progress | Normal   | Contact ORNLDAAC  | Laura Moyers  | 2016-02-11 18:02 | Environment.Production |
| 7641 | Infrastructure | Task    | New         | Normal   | contact ONEShare  | Laura Moyers  | 2016-02-12 16:40 | Environment.Production |
| 4046 | Member Nodes   | Task    | In Progress | Normal   | Laura to check with Mike re USGS-NWRC planning                                  | Laura Moyers  | 2013-11-03 21:43 |                        |
| 4045 | Member Nodes   | Task    | In Progress | Normal   | Conversation with Laura/Mike re USGS ScienceBase planning                       | Laura Moyers  | 2014-05-30 19:45 |                        |
| 4013 | Member Nodes   | Task    | New         | Normal   | Follow-up on plans for TERN following Oct ILTER meeting in Korea                | Laura Moyers  | 2014-02-20 21:58 |                        |
| 7990 | Member Nodes   | Task    | New         | Normal   | GINA: Mutual acceptance   | Laura Moyers  | 2017-01-27 22:18 |                        |
| 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 |                        |
| 7607 | Infrastructure | Task    | New         | Normal   | LTER_EUROPE refuses the production CN from harvesting log records               | Laura Moyers  | 2016-06-09 16:34 | Environment.Production |
| 7985 | Member Nodes   | Task    | New         | Normal   | GINA: Establish DataONE user identity in Production                             | Laura Moyers  | 2017-01-27 22:15 |                        |
| 7987 | Member Nodes   | Task    | New         | Normal   | GINA: Verify MN Content and Services in Production                              | Laura Moyers  | 2017-01-27 22:16 |                        |
| 7988 | Member Nodes   | Task    | New         | Normal   | GINA: Register MN in Production   | Laura Moyers  | 2017-01-27 22:16 |                        |
| 7981 | Member Nodes   | Task    | New         | Normal   | GINA: Register MN in Testing Environment  | Laura Moyers  | 2017-01-27 18:47 |                        |
| 7982 | Member Nodes   | Task    | New         | Normal   | GINA: Verify CN Content and Services in Testing Environment                     | Laura Moyers  | 2017-01-27 18:59 |                        |
| 7984 | Member Nodes   | Task    | New         | Normal   | GINA: Show MN as "upcoming" on the dashboard                                    | Laura Moyers  | 2017-01-27 22:13 |                        |
| 7978 | Member Nodes   | Task    | New         | Normal   | GINA: Establish DataONE user identity in Testing Environment                    | Laura Moyers  | 2017-01-27 18:44 |                        |
| 7980 | Member Nodes   | Task    | New         | Normal   | GINA: Verify MN Content and Services in Testing Environment                     | Laura Moyers  | 2017-01-27 18:46 |                        |
| 7989 | Member Nodes   | Task    | New         | Normal   | GINA: Verify CN Content and Services in Production                              | Laura Moyers  | 2017-01-27 22:18 |                        |
| 3537 | Member Nodes   | Task    | New         | Normal   | Contact followup on Citsci.org MN prospect                                      | Laura Moyers  | 2014-03-28 18:03 |                        |
| 7976 | Member Nodes   | Task    | New         | Normal   | GINA: Register any new object formats in all environments                       | Laura Moyers  | 2017-01-27 18:45 |                        |
| 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 |                        |
| 7550 | Member Nodes   | Task    | New         | Normal   | GoA portal not copying to KNB   | Lauren Walker | 2015-12-14 21:41 |                        |
| 1073 | Infrastructure | Task    | New         | Normal   | Design client application authentication redirection approach                   | Matthew Jones | 2014-10-01 20:47 | d1_identity_manager    |
| 8498 | Member Nodes   | Task    | In Progress | Normal   | SANParks metacat not responding to harvest requests                             | Matthew Jones | 2019-04-15 18:09 |                        |
| 2018 | Infrastructure | Task    | New         | Normal   | document DataONE CA operations procedures                                       | Matthew Jones | 2012-04-23 17:53 | Support Operations     |
| 1047 | Infrastructure | Task    | In Progress | Normal   | Write Authentication system specification                                       | Matthew Jones | 2014-10-01 20:47 |                        |
| 7749 | Member Nodes   | Task    | New         | Normal   | Evaluate disposition of the ESA MN's current content                            | Matthew Jones | 2016-04-26 19:52 |                        |
| 8614 | Member Nodes   | Task    | New         | Normal   | BCO-DMO: testing the member node  | Matthew Jones | 2018-06-13 15:48 |                        |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee          | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|-------------------|------------------|-------------------------------|
| 1890 | Infrastructure | Task    | New         | Normal   | Comply with Maven Central requirements for publishing artifacts                  | Matthew Jones     | 2011-10-27 21:39 |                               |
| 1671 | Infrastructure | Task    | New         | Normal   | Need folder for DUG, accessible by DUG members                                   | Matthew Jones     | 2011-07-12 12:09 | Support Operations            |
| 3216 | Member Nodes   | Task    | New         | Normal   | Contact GEO BON for possible MN  | Matthew Jones     | 2012-09-05 03:29 |                               |
| 3212 | Member Nodes   | Task    | New         | Normal   | Collect metadata for the Taiwan TERN member node                                 | Matthew Jones     | 2014-02-20 21:58 |                               |
| 5531 | Infrastructure | Task    | Testing     | Normal   | Provide overview of replication process for MN implementors                      | Matthew Jones     | 2014-10-02 17:21 | Documentation                 |
| 3208 | Member Nodes   | Task    | New         | Normal   | Collate node application metadata for the BIOTA - FAPESP MN                      | Matthew Jones     | 2015-12-03 19:36 |                               |
| 3181 | Member Nodes   | Task    | New         | Normal   | Contact PFRP as potential MN   | Matthew Jones     | 2013-01-30 21:00 |                               |
| 3177 | Member Nodes   | Task    | New         | Normal   | Contact operators  | Matthew Jones     | 2012-09-05 01:46 |                               |
| 1527 | Infrastructure | Task    | New         | Normal   | Allow AccessPolicy to be set for groups  | Matthew Jones     | 2014-10-01 20:47 |                               |
| 1502 | Infrastructure | Task    | New         | Normal   | Fix hierarchy of permission levels.  | Matthew Jones     | 2014-10-01 20:47 | Documentation                 |
| 1494 | Infrastructure | Task    | New         | Normal   | Create sequence diagrams for Authentication services.                            | Matthew Jones     | 2014-10-01 20:47 |                               |
| 1485 | Infrastructure | Task    | New         | Normal   | Clean up authn requirements listing  | Matthew Jones     | 2014-10-01 20:47 |                               |
| 1484 | Infrastructure | Task    | New         | Normal   | Decide on format for Principals  | Matthew Jones     | 2014-10-01 20:47 |                               |
| 1474 | Infrastructure | Task    | New         | Normal   | Design verification process for new accounts                                     | Matthew Jones     | 2014-10-01 20:47 |                               |
| 1473 | Infrastructure | Task    | New         | Normal   | Make default access policy explicit in Authz docs.                               | Matthew Jones     | 2014-10-01 20:47 |                               |
| 1472 | Infrastructure | Task    | New         | Normal   | Explain revocation policies via MN curator.                                      | Matthew Jones     | 2014-10-01 20:47 |                               |
| 2664 | Infrastructure | Task    | New         | Normal   | Create documentation for how transitivity is enacted for authorization           | Matthew Jones     | 2014-10-01 20:47 | Authentication, Authorization |
| 1471 | Infrastructure | Task    | New         | Normal   | Define implicit curator role at Member Nodes.                                    | Matthew Jones     | 2014-10-01 20:47 |                               |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                                  | Matthew Jones     | 2014-10-01 20:47 | Documentation                 |
| 1482 | Infrastructure | Task    | New         | Normal   | Design mechanism to collapse two accounts into one                               | Matthew Jones     | 2014-10-01 20:47 |                               |
| 2549 | Infrastructure | Task    | New         | Normal   | document the decision  | Matthew Jones     | 2012-03-27 22:03 | Authentication, Authorization |
| 1481 | Infrastructure | Task    | New         | Normal   | Clarify spec that groups can own objects   | Matthew Jones     | 2014-10-01 20:47 |                               |
| 8594 | Member Nodes   | Task    | New         | Normal   | GOA: replicate to Research Workspace   | Matthew Jones     | 2018-05-15 17:40 |                               |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification   | Matthew Jones     | 2014-10-01 20:47 |                               |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping   | Matthew Jones     | 2014-10-01 20:47 |                               |
| 3535 | Member Nodes   | Task    | New         | Normal   | Contact LITS prospect MN to scope out prospects                                  | Matthew Jones     | 2013-01-30 21:15 |                               |
| 1159 | Infrastructure | Task    | In Progress | Normal   | Add description of Group creation and management to design specs.                | Matthew Jones     | 2014-10-01 20:47 |                               |
| 2281 | Infrastructure | Task    | New         | Low      | Possibly update the Identity Management and Authenticated Session Management doc | Matthew Jones     | 2014-10-01 20:47 | Authentication, Authorization |
| 6483 | Infrastructure | Task    | New         | Normal   | DataONE xsede VM at ORC  | Michael Campfield | 2014-10-24 10:54 |                               |



| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee            | Updated          | Category               |
|------|----------------|---------|-------------|----------|--|---------------------|------------------|------------------------|
| 5498 | Infrastructure | Task    | New         | Normal   | Determine the cause of the Jun2014 cn-orc-1 out of memory issue  | Michael Campfield   | 2014-10-31 19:11 | Environment.Production |
| 4246 | Infrastructure | Task    | In Progress | Normal   | Determine why cn-stage-ucsb-1 LDAP syncrepl is failing   | Michael Campfield   | 2014-10-31 17:42 | Environment.Stage1     |
| 3204 | Member Nodes   | Task    | New         | Normal   | Collate MN metadata for review   | Mike Frame          | 2015-12-03 19:36 |                        |
| 3200 | Member Nodes   | Task    | New         | Normal   | Make initial contact with USGS-NWRC  | Mike Frame          | 2013-10-24 15:23 |                        |
| 3198 | Member Nodes   | Task    | New         | Normal   | Initial contact for the USGS MN  | Mike Frame          | 2013-08-23 13:07 |                        |
| 8576 | Search UI      | Task    | New         | Normal   | Remove Code Changes Specific to Appearance of Data Citation for PANGAEA formatID   | Monica Ihli         | 2018-04-30 13:29 |                        |
| 8505 | Infrastructure | Task    | New         | Normal   | Review solr terms for coverage of data citation elements   | Monica Ihli         | 2018-03-19 21:57 |                        |
| 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 |                        |
| 8169 | Infrastructure | Task    | New         | Normal   | Document process for changing the postgres master  | Monica Ihli         | 2017-09-01 15:09 |                        |
| 8171 | Infrastructure | Task    | New         | Normal   | Document hazelcast components to be moved to postgres storage  | Monica Ihli         | 2017-09-01 15:25 |                        |
| 8168 | Infrastructure | Task    | New         | Normal   | Evaluate options for postgres replication configuration  | Monica Ihli         | 2017-09-01 15:11 |                        |
| 8149 | Member Nodes   | Task    | New         | Normal   | Test 1.x to 2.x pip upgrade w/ no data   | Monica Ihli         | 2017-09-26 15:57 |                        |
| 8146 | Member Nodes   | Task    | New         | Normal   | Failed Sync Parser   | Monica Ihli         | 2017-07-19 00:46 |                        |
| 8145 | Member Nodes   | Task    | New         | Normal   | Test Fabric  | Monica Ihli         | 2017-07-19 00:44 |                        |
| 2031 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UCSB  | Nick Outin          | 2014-09-24 18:29 | Hardware               |
| 6367 | Infrastructure | Task    | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array   | Nick Outin          | 2014-09-08 20:19 | Hardware               |
| 7184 | Infrastructure | Task    | New         | Normal   | Create an Ansible script that can replace a server certificate   | Nick Outin          | 2015-06-15 15:10 | Support Operations     |
| 2035 | Infrastructure | Task    | New         | Normal   | Design nagios system for monitoring CN locations   | Nick Outin          | 2014-09-24 18:29 | d1_monitor             |
| 6053 | Member Nodes   | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type  | Ranjeet Devarakonda | 2014-11-24 14:57 |                        |
| 3989 | Member Nodes   | Task    | New         | Normal   | USGS Clearinghouse resource maps have discrepancies with CN  | Ranjeet Devarakonda | 2013-09-26 23:34 |                        |
| 8566 | Member Nodes   | Task    | In Progress | Normal   | Test Registration  | Rob Nahf            | 2019-04-16 17:17 |                        |
| 5836 | Member Nodes   | Task    | Testing     | Normal   | GBIF: Verify that MN passes the Web Tester   | Rob Nahf            | 2018-09-26 19:57 |                        |
| 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         |
| 5835 | Member Nodes   | Task    | Ready       | Normal   | GBIF: Local Testing  | Rob Nahf            | 2019-01-24 16:53 |                        |
| 6399 | Infrastructure | Task    | New         | Normal   | set up release practice for the MNWebTester .war   | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker           |
| 6398 | Infrastructure | Task    | New         | Normal   | update MNWebTest operations docs   | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker           |
| 6397 | Infrastructure | Task    | New         | Normal   | test that it works from standalone .war  | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker           |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|----------|------------------|--------------------|
| 6396 | Infrastructure | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally                         | Rob Nahf | 2014-10-01 20:34 | MNWebChecker       |
| 8514 | Infrastructure | Task    | New         | Normal   | deploy new Metacat / synchronization slows down because of increased cn.create times | Rob Nahf | 2018-03-22 17:07 | d1_synchronization |
| 6378 | Infrastructure | Task    | Testing     | Normal   | code up the new strategy   | Rob Nahf | 2016-06-22 16:53 | d1_replication     |
| 6376 | Infrastructure | Task    | New         | Normal   | test the new strategy against working ReplicationManager test                        | Rob Nahf | 2016-06-22 16:53 | d1_replication     |
| 6375 | Infrastructure | Task    | In Progress | Normal   | Refactor out dependency on a working CN  | Rob Nahf | 2016-06-22 16:53 | d1_replication     |
| 6372 | Infrastructure | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests   | Rob Nahf | 2016-06-22 16:53 | d1_replication     |
| 6565 | Infrastructure | Task    | New         | Normal   | Configure Jenkins jobs for ezid (ezid-client)  | Rob Nahf | 2014-12-15 18:36 |                    |
| 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  |
| 5313 | Java Client    | Task    | New         | Normal   | enable remote deployment of product packages from Hudson / Jenkins                   | Rob Nahf | 2015-02-11 20:34 |                    |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages                    | Rob Nahf | 2012-10-16 21:34 | d1_integration     |
| 1555 | Java Client    | Task    | New         | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient                         | Rob Nahf | 2015-02-11 19:49 | d1_common_java     |
| 1554 | Java Client    | Task    | New         | Normal   | Create MockHttpClient for testing in d1_common_java                                  | Rob Nahf | 2015-02-11 19:49 | d1_common_java     |
| 1552 | Java Client    | Task    | New         | Normal   | Copy TestSimpleMultipartEntity from d1_common_java to d1_integration                 | Rob Nahf | 2015-02-11 19:49 |                    |
| 7849 | CN REST        | Task    | New         | Normal   | Improve exception messages when cascading SSL derived exceptions                     | Rob Nahf | 2016-07-19 17:23 |                    |
| 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 |                    |
| 8230 | Infrastructure | Task    | New         | Normal   | review bouncy castle version   | Rob Nahf | 2018-03-02 21:48 | d1_libclient_java  |
| 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  |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                               | Rob Nahf | 2014-10-01 22:04 | d1_integration     |
| 7537 | Infrastructure | Task    | New         | Normal   | add nodelist refreshes to NodeLocator classes  | Rob Nahf | 2015-12-10 16:59 | d1_libclient_java  |
| 4059 | Infrastructure | Task    | New         | Normal   | Add test to verify node is reporting correct nodeId in log records                   | Rob Nahf | 2013-10-07 19:10 |                    |
| 3924 | Infrastructure | Task    | New         | Normal   | Pids in ObjectList should be the same as pids in the systemMetadata Map              | Rob Nahf | 2014-10-01 22:04 | MNWebChecker       |
| 3925 | Infrastructure | Task    | New         | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN          | Rob Nahf | 2014-10-01 22:04 | MNWebChecker       |
| 3907 | Infrastructure | Task    | New         | Normal   | MN Integration Test - verify system metadata returned matches expected               | Rob Nahf | 2013-08-09 18:48 | d1_integration     |
| 7910 | Infrastructure | Task    | New         | Normal   | schema validation behavior   | Rob Nahf | 2018-01-18 02:41 | d1_common_java     |
| 7538 | Infrastructure | Task    | New         | Normal   | look at nodeFactory in how it builds mock CNodes                                     | Rob Nahf | 2015-12-10 17:03 | d1_libclient_java  |
| 2545 | Infrastructure | Task    | New         | Normal   | create d1_integration tests using for MN.generateIdentifier                          | Rob Nahf | 2014-10-02 17:54 | d1_integration     |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee | Updated          | Category           |
|------|----------------|---------|--------|----------|--|----------|------------------|--------------------|
| 3811 | Infrastructure | Task    | New    | Normal   | Document the "non-standard" certificates being used for accessing content in DataONE and it's member nodes | Rob Nahf | 2014-09-24 18:27 | Support Operations |

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