

## Issues

| #    | Project | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category               |
|------|---------|---------|-------------|----------|---|----------------|------------------|------------------------|
| 8867 | CN REST | Bug     | New         | High     | CNCore.listChecksumAlgorithms() returns incorrect list  | Jing Tao       | 2020-08-06 00:06 | d1_cn_rest             |
| 5739 | CN REST | Bug     | New         | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core   | Robert Waltz   | 2015-01-19 23:05 |                        |
| 8740 | CN REST | Bug     | New         | Normal   | CN resolve service returning 404 for some pids  |                | 2019-01-22 18:41 | cn_metacat             |
| 8010 | CN REST | Bug     | New         | Normal   | CN.archive fails with 401 Unauthorized when using either MN or CN client certificate for PID with authoritative MN as urn:node:LTER | Jing Tao       | 2017-03-21 17:10 |                        |
| 7918 | CN REST | Bug     | New         | Normal   | SEAD object only partially synchronized - missing autogen.2016092916012224122 document from /var/metacat/documents                  | Dave Vieglaiss | 2016-10-21 18:00 | cn_metacat             |
| 8630 | CN REST | Bug     | New         | Normal   | equivalentIdentity values use uppercase letters when the same person subject values are lowercase                                   |                | 2018-06-26 14:15 | d1_identity_manager    |
| 7301 | CN REST | Bug     | New         | Normal   | CN-stage allows connections to a MN that is operating a self-signed SSL server certificate  |                | 2015-08-19 03:46 |                        |
| 7687 | CN REST | Bug     | New         | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification  | Rob Nahf       | 2016-07-22 19:22 | d1_synchronization     |
| 7489 | CN REST | Bug     | New         | Normal   | processing daemon common-logging misconfigured  | Robert Waltz   | 2016-01-21 17:18 | d1_cn_process_daemon   |
| 7161 | CN REST | Bug     | New         | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized  |                | 2015-06-05 18:04 | d1_synchronization     |
| 7746 | CN REST | Bug     | In Progress | Normal   | Node registration update fails when <contactSubject> spans multiple lines   | Rob Nahf       | 2016-04-26 17:30 | d1_cn_noderegistry     |
| 8860 | CN REST | Bug     | New         | Normal   | /token endpoint doesn't set a content-type and character encoding   |                | 2020-02-29 01:00 | d1_portal              |
| 8698 | CN REST | Bug     | New         | Normal   | CN Performance degradation  |                | 2018-09-13 21:05 | d1_cn_rest             |
| 8733 | CN REST | Bug     | New         | Normal   | Exception handling in ForesiteResourceMap needs improvement   | Jing Tao       | 2018-10-12 20:09 | d1_cn_index_processor  |
| 7440 | CN REST | Bug     | New         | Normal   | Non-discernable error during synchronization affecting (mostly) urn:node:mnTestAEKOS - "Client is shutdown."                        |                | 2015-10-20 14:46 |                        |
| 8777 | CN REST | Task    | New         | Normal   | Configure CN to audit objects greater than 1GB  | Chris Jones    | 2019-03-13 20:50 | d1_replication_auditor |
| 2487 | CN REST | Task    | New         | Normal   | How does a CN handle the failure of MN replica to receive MNStorage.sytemMetadataChanged()  | Robert Waltz   | 2016-08-10 20:51 |                        |
| 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      |
| 8809 | CN REST | Task    | New         | Normal   | Adjust portal.properties for certificate configuration  |                | 2019-05-21 12:57 |                        |
| 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             |
| 2414 | CN REST | Task    | New         | Normal   | Implement exceptions for search/solr endpoint   | Skye Roseboom  | 2015-01-19 22:49 |                        |
| 8776 | CN REST | Task    | New         | Normal   | Set valid replica status to completed   | Chris Jones    | 2019-03-12 15:57 | d1_replication_auditor |
| 8778 | CN REST | Task    | New         | Normal   | Ensure SystemMetadata replica auditing updates are saved and broadcast  | Chris Jones    | 2019-03-12 16:54 | d1_replication_auditor |
| 7911 | CN REST | Task    | New         | Normal   | Synchronization allows invalid checksums, preventing corrected sync   |                | 2016-10-17 15:58 | d1_synchronization     |

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| 7096 | CN REST     | Task    | New         | Normal   | Unexpectedly closed streams / disconnects on UNM network   | Dave Viegla    | 2015-05-12 17:49 |                        |
| 8810 | CN REST     | Task    | New         | Normal   | Verify configuration of portal certificates  |                | 2019-05-21 13:00 |                        |
| 7750 | CN REST     | Task    | New         | Normal   | apply business rules on the CN that Subject strings will be stripped of leading and trailing whitespace  |                | 2016-04-26 17:30 |                        |
| 2168 | CN REST     | Task    | New         | Normal   | Design UI for identity validation  | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 1412 | CN REST     | Task    | New         | Normal   | MN health check performed by CN  | Robert Waltz   | 2015-01-19 23:06 |                        |
| 1479 | CN REST     | Task    | In Progress | Normal   | Design web UI for validating newly created identities  | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 7849 | CN REST     | Task    | New         | Normal   | Improve exception messages when cascading SSL derived exceptions   | Rob Nahf       | 2016-07-19 17:23 |                        |
| 2415 | CN REST     | Task    | New         | Normal   | Implement exceptions for log endpoint  | Robert Waltz   | 2015-01-19 22:49 |                        |
| 7571 | CN REST     | Task    | New         | Normal   | Description for error code 401, detail code 4957 is misleading in some cases   |                | 2016-01-05 16:25 |                        |
| 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             |
| 8756 | CN REST     | Story   | New         | Normal   | Ensure replica auditor is effective  | Chris Jones    | 2019-01-15 21:00 | d1_replication_auditor |
| 8757 | CN REST     | Story   | New         | Normal   | Fix getChecksum() in MNAuditTask to use dynamic checksum algorithms  | Chris Jones    | 2019-01-14 19:48 | d1_replication_auditor |
| 8771 | CN REST     | Story   | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`  | Dave Viegla    | 2019-03-05 19:43 | d1_cn_rest             |
| 8749 | CN REST     | Story   | New         | Normal   | Fix log aggregation events from the CN without associated CN IPs   | Dave Viegla    | 2019-05-01 22:25 |                        |
| 8864 | CN REST     | Story   | New         | Normal   | Synchronization does not register authoritative replica entry correctly  | Jing Tao       | 2020-06-19 21:59 | d1_synchronization     |
| 8582 | CN REST     | Story   | New         | Normal   | Replica Auditing service is throwing errors  | Jing Tao       | 2019-01-14 16:40 | d1_replication_auditor |
| 8364 | CN REST     | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates   |                | 2019-05-21 12:57 | d1_portal_servlet      |
| 6945 | DataONE API | Feature | New         | Normal   | MNRead.get uses the pid for the download filename, which provides a less than optimal user experience when the pid is an opaque identifier such as DOIs, uuids, etc. |                | 2015-03-23 23:37 |                        |
| 8583 | DataONE API | Feature | New         | Normal   | Provide some mechanism for diagnosing correctness of MN certificates   | Dave Viegla    | 2018-05-02 03:18 |                        |
| 7528 | DataONE API | Bug     | New         | Normal   | Incorrect argument name documented for CNCORE.reserveldentier  |                | 2015-12-08 19:51 | api_documentation      |
| 7578 | DataONE API | Bug     | New         | Normal   | Fix 404 link to d1_instance_generator folder in documentation  |                | 2016-01-08 22:01 | api_documentation      |
| 3658 | DataONE API | Bug     | New         | Normal   | Deleting objects breaks obsoletes chain traversal  | Chris Jones    | 2015-01-19 22:29 |                        |
| 7684 | DataONE API | Bug     | New         | Low      | Call to MNStorage.update() via REST API returns java.lang.StackOverflowError   |                | 2016-03-21 23:07 |                        |
| 7839 | DataONE API | Task    | New         | Normal   | Online documentation places synchronize in CNRead api  | Dave Viegla    | 2016-12-21 09:04 | api_documentation      |
| 7127 | DataONE API | Task    | New         | Normal   | Finalize CNAuthentication interface  | Dave Viegla    | 2015-05-21 19:31 | api_documentation      |

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| 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 Vieglaiss | 2016-06-29 02:20 |          |
| 1442 | DataONE API    | Task     | New    | Normal   | Identify monitoring and logging use cases and requirements  | Dave Vieglaiss | 2015-01-19 23:06 |          |
| 1443 | DataONE API    | Task     | New    | Normal   | Identify operational requirements for monitoring and logging  | Dave Vieglaiss | 2015-01-19 23:06 |          |
| 8529 | DataONE API    | Task     | New    | Normal   | Add field to Solr index that includes the obsolescence chain  |                | 2018-04-10 05:21 |          |
| 8528 | DataONE API    | Task     | New    | Normal   | Add MNRead.getVersions, CNRead.getVersions  |                | 2018-04-03 19:26 |          |
| 1644 | DataONE API    | Story    | New    | Normal   | Develop an object format creation policy  |                | 2018-01-17 20:46 |          |
| 6759 | DataONE API    | Story    | New    | Normal   | ObjectFormat Management   | Dave Vieglaiss | 2015-01-19 23:17 |          |
| 7908 | DUG            | Task     | New    | Normal   | Start a lesson learned document   |                | 2016-10-11 20:35 |          |
| 7907 | DUG            | Task     | New    | Normal   | Doodle poll on the time/date for monthly meeting  |                | 2016-10-11 20:35 |          |
| 7864 | DUG            | Task     | New    | Normal   | DOI Services for Members  |                | 2016-08-09 20:40 |          |
| 7525 | DUG            | Task     | New    | Normal   | assessment effort update  |                | 2015-12-07 22:25 |          |
| 7524 | DUG            | Task     | New    | Normal   | Explore crowd sourcing for future DUG marketing effort  |                | 2015-12-07 22:25 |          |
| 7473 | DUG            | Task     | New    | Normal   | Draft 2016 DUG annual meeting brochure  |                | 2015-11-09 22:38 |          |
| 7862 | DUG            | Task     | New    | Normal   | DataONE DUG page may need updating<br>( <a href="https://www.dataone.org/dataone-users-group">https://www.dataone.org/dataone-users-group</a> )   |                | 2016-08-08 15:00 |          |
| 7475 | DUG            | Task     | New    | Normal   | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC  |                | 2015-11-09 22:38 |          |
| 7531 | DUG            | Task     | New    | Normal   | Quote request for EAB meeting   |                | 2015-12-08 20:13 |          |
| 7925 | DUG            | Task     | New    | Normal   | Data Center certification   |                | 2016-11-08 21:33 |          |
| 7532 | DUG            | Task     | New    | Normal   | Registration Form for 2016.   |                | 2015-12-08 21:30 |          |
| 7533 | DUG            | Task     | New    | Normal   | Create DUG 2016 Meeting page  |                | 2015-12-08 21:44 |          |
| 7474 | DUG            | Task     | New    | Normal   | Draft generic letter of invitation that DUG SC can carry and distribute widely.   |                | 2015-11-09 22:38 |          |
| 7909 | DUG            | Task     | New    | Normal   | DataONE update audio/visual equipment for remote link   |                | 2016-10-11 20:49 |          |
| 7484 | DUG            | Task     | New    | Normal   | DUG Agenda  |                | 2015-11-10 21:39 |          |
| 7926 | DUG            | Task     | New    | Normal   | Certification and standards for data repositories (e.g. ISO 17421:2012, Data Seal of Approval)  |                | 2016-11-08 22:00 |          |
| 7476 | DUG            | Task     | New    | Normal   | Do we need an event management system to better organize the DUG?   |                | 2015-11-09 22:43 |          |
| 7800 | DUG            | Task     | New    | Normal   | abstract reviews<br>( <a href="https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KVO4TeahHVA/edit">https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KVO4TeahHVA/edit</a> ) |                | 2016-05-10 15:18 |          |
| 7863 | DUG            | Task     | New    | Normal   | Link to the recordings  |                | 2016-08-09 20:40 |          |
| 8774 | Infrastructure | Decision | New    | Normal   | Add new CN format for MPEG-2 or update video/mpeg format to cover MPEG-2  |                | 2019-03-08 16:03 |          |

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| 6392 | Infrastructure | Decision | New         | Normal   | CN getChecksum REST API design review  | Dave Vieglaiss  | 2014-09-18 17:09 | Requirement             |
| 8189 | Infrastructure | Decision | New         | Normal   | Proposal to change the roles mapped to the origin Solr field for ISO docs  | Bryce Mecum     | 2017-12-20 01:28 |                         |
| 3099 | Infrastructure | Decision | New         | Normal   | ONE-Mercury display of data set citation   | Dave Vieglaiss  | 2012-07-23 21:24 | d1_mercury              |
| 6705 | Infrastructure | Decision | New         | Normal   | What behavior should be when a user request a sid when all the pids matching the sid were obsoleted                      |                 | 2014-12-10 20:08 |                         |
| 8601 | Infrastructure | Decision | New         | Normal   | Decide on a URI space for DataONE resources  |                 | 2018-07-18 21:42 |                         |
| 6067 | Infrastructure | Decision | New         | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?   | Robert Waltz    | 2014-08-22 03:58 | Environment.Development |
| 8616 | Infrastructure | Decision | New         | Normal   | Consider expanding isotc211's indexing component's keyword XPath to cover topicCategories                                |                 | 2018-06-15 00:13 |                         |
| 8693 | Infrastructure | Decision | In Progress | Low      | Support Google Dataset Search on search.dataone.org via partial server side rendering                                    |                 | 2019-06-06 23:53 |                         |
| 8108 | Infrastructure | Support  | New         | Normal   | Must determine the state of replication auditing for when replicas on non-functioning MNs are still reported as complete | Dave Vieglaiss  | 2017-06-06 17:56 | d1_replication_auditor  |
| 8376 | Infrastructure | Feature  | New         | Normal   | Make the script file - insertOrUpdateObjectFormatList.sh (in metacat cn buildout) change the user name automatically     | Jing Tao        | 2018-02-21 22:48 | d1_cn_buildout          |
| 1873 | Infrastructure | Feature  | New         | Normal   | Postprocessing tool for log reporting  |                 | 2014-10-02 17:06 | d1_log_aggregation      |
| 8065 | Infrastructure | Feature  | New         | Normal   | Add service to re-populate Hazelcast map for node attributes   |                 | 2018-01-09 19:10 |                         |
| 8766 | Infrastructure | Feature  | In Progress | Normal   | support server-side link checking for the 303 redirect url in the resolve call   | Rob Nahf        | 2019-05-31 15:16 | d1_cn_service           |
| 8184 | Infrastructure | Feature  | New         | Normal   | a feature indicates to restart tomcat when hazelcast client died   | Jing Tao        | 2017-09-14 19:14 | Metacat                 |
| 8053 | Infrastructure | Feature  | New         | Normal   | add funding award number to index  | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index        |
| 8210 | Infrastructure | Feature  | New         | Normal   | Generate daily reports by member node of discrepancies between CN vs MN content  |                 | 2017-10-25 18:50 |                         |
| 4051 | Infrastructure | Feature  | New         | Normal   | MN Stack supporting Fedora Commons   |                 | 2014-10-02 21:39 | mn.Fedora               |
| 4038 | Infrastructure | Feature  | New         | Normal   | change default replication implementation  | Matthew Jones   | 2014-10-01 21:26 | d1_replication          |
| 5145 | Infrastructure | Feature  | New         | Normal   | Consider including cert subject(s) in NotAuthorized exceptions   | Chris Jones     | 2014-09-25 17:44 | d1_cn_service           |
| 2540 | Infrastructure | Feature  | In Progress | Normal   | add generateIdentifier() method to MNStorage API   | Dave Vieglaiss  | 2014-10-02 17:54 | Documentation           |
| 8780 | Infrastructure | Feature  | New         | Normal   | Develop support for DataCite 4.0 and 4.1 and 4.2   | Dave Vieglaiss  | 2019-03-30 20:38 | d1_indexer              |
| 8058 | Infrastructure | Feature  | New         | Normal   | Allow "upcoming" nodes to appear in the node list  | Robert Waltz    | 2017-04-03 18:33 | d1_cn_service           |
| 8107 | Infrastructure | Feature  | New         | Normal   | Improved Node Synchronization Feedback - Leveraging MNRRead.synchronizationFailed()                                      |                 | 2017-06-27 16:46 | Architecture Design     |

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| 7876 | Infrastructure | Feature | New         | Normal   | Create a new admin page for Metacat admins to register schemas  | Jing Tao     | 2016-12-21 09:11 | Metacat                 |
| 6499 | Infrastructure | Feature | New         | Normal   | define and implement addFormat() method   | Rob Nahf     | 2016-06-22 16:51 | Architecture Design     |
| 6854 | Infrastructure | Feature | In Progress | Normal   | add testAssumptionFailure to run listener   | Rob Nahf     | 2016-01-26 22:30 | d1_integration          |
| 3762 | Infrastructure | Feature | New         | Low      | DataONE software download statistics  | Roger Dahl   | 2014-10-01 21:32 | d1_dashboard            |
| 4674 | Infrastructure | Bug     | New         | Urgent   | Ask Judith, Mike and Virginia Perez.2.1 to obsolete those pids which contain the white spaces.              | Jing Tao     | 2017-05-04 18:01 | d1_cn_service           |
| 8696 | Infrastructure | Bug     | New         | Urgent   | double indexing of a resource map and another not processed because of resource contention (lock) on member | Rob Nahf     | 2018-09-12 00:22 | d1_indexer              |
| 3492 | Infrastructure | Bug     | In Progress | Urgent   | Invalid PIDs in production (whitespace)   | Jing Tao     | 2017-04-27 15:31 | Support Operations      |
| 8722 | Infrastructure | Bug     | New         | High     | Object in search index but systemmetadata is not available.   | Jing Tao     | 2018-10-03 17:48 |                         |
| 7601 | Infrastructure | Bug     | New         | High     | CN checksum inconsistencies   | Dave Viegla  | 2016-01-26 19:29 |                         |
| 8655 | Infrastructure | Bug     | New         | High     | Synchronization died with OOM   |              | 2018-07-13 11:24 |                         |
| 8500 | Infrastructure | Bug     | New         | High     | Geohash not calculated properly   | Jing Tao     | 2018-03-14 17:06 | d1_indexer              |
| 8076 | Infrastructure | Bug     | New         | High     | sysmeta can not be retrieved for some objects   | Dave Viegla  | 2017-04-22 01:54 | dataone-cn-rest-service |
| 3675 | Infrastructure | Bug     | New         | High     | package relationships not available for archived objects  | Rob Nahf     | 2018-09-21 21:01 | d1_indexer              |
| 8195 | Infrastructure | Bug     | In Progress | High     | Tomcat out of memory error  | Dave Viegla  | 2017-12-26 20:01 |                         |
| 7919 | Infrastructure | Bug     | New         | High     | unloadable system metadata in CNs by Hazelcast  |              | 2016-11-01 19:30 | Metacat                 |
| 6882 | Infrastructure | Bug     | New         | Normal   | after CN upgrade togglePortsAndReplication.sh missing   | Robert Waltz | 2016-01-05 17:54 | d1_cn_buildout          |
| 8093 | Infrastructure | Bug     | New         | Normal   | resource map index processing is inefficient (2sec / referenced object)                                     | Rob Nahf     | 2017-05-10 20:00 | d1_indexer              |
| 8361 | Infrastructure | Bug     | New         | Normal   | index processor throws unhandled NPE if task systemMetadata is null   | Rob Nahf     | 2018-03-22 16:54 | d1_indexer              |
| 6070 | Infrastructure | Bug     | New         | Normal   | CNs missing GOA objects   | Robert Waltz | 2016-08-10 20:56 | d1_synchronization      |
| 6542 | Infrastructure | Bug     | New         | Normal   | Unable to add metadata document on mndemo8  |              | 2014-10-30 16:30 | Environment.Development |
| 8827 | Infrastructure | Bug     | New         | Normal   | synchronization doesn't update dateSystemMetadataModified if that's the only field that changed             | Rob Nahf     | 2019-07-11 21:26 | d1_synchronization      |
| 8570 | Infrastructure | Bug     | New         | Normal   | index task not generated for a newly synchronized object  | Jing Tao     | 2018-04-20 20:51 | d1_indexer              |
| 7858 | Infrastructure | Bug     | New         | Normal   | Obsoleting a resource map clears the resourceMap field for the obsoleted package                            |              | 2017-03-28 16:20 | d1_indexer              |
| 7825 | Infrastructure | Bug     | New         | Normal   | Hazelcast service stops working after a while   | Jing Tao     | 2016-06-07 18:53 | Metacat                 |
| 5582 | Infrastructure | Bug     | New         | Normal   | xinetd not supported via debian install   | Robert Waltz | 2014-10-02 19:27 | d1_cn_buildout          |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object   | Jing Tao     | 2018-04-23 20:13 | d1_indexer              |

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| 3572 | Infrastructure | Bug     | New         | Normal   | LDAP not updated for Node when synchronized set to true  | Robert Waltz   | 2014-10-01 22:56 | d1_cn_node_registry |
| 6044 | Infrastructure | Bug     | New         | Normal   | Indexer needs port 5432 open to localhost during postinst  | Robert Waltz   | 2015-01-06 18:17 | d1_cn_buildout      |
| 5321 | Infrastructure | Bug     | New         | Normal   | Multiple Hazelcast Client connections to same storage instance   | Robert Waltz   | 2016-08-10 20:58 | d1_process_daemon   |
| 8850 | Infrastructure | Bug     | New         | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong  | Jing Tao       | 2019-11-06 18:32 | d1_indexer          |
| 8573 | Infrastructure | Bug     | In Progress | Normal   | changing accessPolicies and rightHolders down the line of series can cause improper sync failures                            | Rob Nahf       | 2018-05-03 21:52 | d1_synchronization  |
| 7868 | Infrastructure | Bug     | New         | Normal   | potential gaps between log harvests  | Rob Nahf       | 2017-03-23 15:40 | d1_log_aggregation  |
| 8641 | Infrastructure | Bug     | New         | Normal   | Any change to SystemMetadata causes a new replication task to be generated without consideration of the object replicability | Chris Jones    | 2018-07-04 12:28 | d1_replication      |
| 3122 | Infrastructure | Bug     | In Progress | Normal   | asterisk in search term  | Skye Roseboom  | 2014-10-02 18:02 | d1_mercury          |
| 8051 | Infrastructure | Bug     | In Progress | Normal   | CORS-based CN calls fail using Internet Explorer on Windows  | Chris Jones    | 2017-03-28 16:35 | dataone-cn-os-core  |
| 8123 | Infrastructure | Bug     | Testing     | Normal   | portal hazelcast client should load config directly from xml   | Rob Nahf       | 2017-12-26 18:20 | d1_portal_servlet   |
| 8731 | Infrastructure | Bug     | New         | Normal   | Indexing solr client method is building query with too many ORs, causing errors  | Rob Nahf       | 2018-10-04 22:25 | d1_indexer          |
| 3047 | Infrastructure | Bug     | In Progress | Normal   | Metacat allows whitespace in Identifiers   | Ben Leinfelder | 2018-11-13 21:44 |                     |
| 8196 | Infrastructure | Bug     | New         | Normal   | Duplicated replicas in the system metadata   | Jing Tao       | 2017-10-18 17:19 | d1_replication      |
| 8821 | Infrastructure | Bug     | New         | Normal   | Object doi:10.18739/A2610VR7Z fails to index on CN   | Jing Tao       | 2019-06-19 00:06 |                     |
| 7666 | Infrastructure | Bug     | New         | Normal   | mnTestMPC repeating attempts to set replica status to FAILED   | Laura Moyers   | 2016-02-25 21:44 | Environment.Stage1  |
| 8380 | Infrastructure | Bug     | New         | Normal   | MN.update method doesn't check if the authoritativeMN is null on the system metadata of the new object                       | Jing Tao       | 2018-03-02 21:53 | Metacat             |
| 7954 | Infrastructure | Bug     | New         | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN                                       | Roger Dahl     | 2017-04-19 18:55 | d1_synchronization  |
| 8536 | Infrastructure | Bug     | In Progress | Normal   | resource Map update when metadata SID is used is not indexed   | Rob Nahf       | 2018-04-12 20:55 | d1_indexer          |
| 8215 | Infrastructure | Bug     | New         | Normal   | Consider how Subjects are compared (e.g. HTTP vs. HTTPS ORCID URIs)  |                | 2017-11-07 22:11 |                     |
| 4067 | Infrastructure | Bug     | New         | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.                                  | Robert Waltz   | 2016-08-10 21:01 | d1_cn_service       |
| 8161 | Infrastructure | Bug     | New         | Normal   | d1-processing Out of Memory Error  | Dave Viegla    | 2018-02-20 16:19 | d1_process_daemon   |
| 8182 | Infrastructure | Bug     | New         | Normal   | relationships defined using SIDs in resource maps don't stay current   | Rob Nahf       | 2017-09-12 00:13 | d1_indexer          |
| 4142 | Infrastructure | Bug     | New         | Normal   | dataone-cn-processdaemon perm needs to be reconfiguration friendly   | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout      |
| 4129 | Infrastructure | Bug     | New         | Normal   | Only configure ufw ports for machines in xml configuration file  | Robert Waltz   | 2016-08-10 20:47 | d1_cn_buildout      |
| 7570 | Infrastructure | Bug     | In Progress | Normal   | Search UI requests cause Out of Memory Error   | Jing Tao       | 2017-04-26 21:01 | d1_indexer          |

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|------|----------------|---------|-------------|----------|---|-----------------|------------------|-------------------------|
| 8228 | Infrastructure | Bug     | New         | Normal   | Excessive replicas requested by integration test  | Rob Nahf        | 2018-03-02 21:52 | d1_integration          |
| 7370 | Infrastructure | Bug     | New         | Normal   | TypeFactory.convertTypeFromType does not use xmlValue comparisons for Enum conversions      | Rob Nahf        | 2015-09-21 16:07 | d1_common_java          |
| 7688 | Infrastructure | Bug     | New         | Normal   | LogAggregation unable to change BaseURLs upon updateNodeCapabilities notification           | Dave Viegla     | 2018-01-02 12:02 | d1_log_aggregation      |
| 3869 | Infrastructure | Bug     | New         | Normal   | wrong key set in portal/WEB-INF/client.xml  | Robert Waltz    | 2016-08-10 20:58 | d1_cn_buildout          |
| 8379 | Infrastructure | Bug     | New         | Normal   | remove or improve AuthLdap.getGroups logging statement                                      | Jing Tao        | 2018-02-27 16:51 | Metacat                 |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail  | Rob Nahf        | 2018-10-18 18:33 | d1_indexer              |
| 8106 | Infrastructure | Bug     | Testing     | Normal   | Difficulty Distinguishing Between Different Kinds of Failed Sync "Not Found" Error Messages | Rob Nahf        | 2018-02-20 16:57 | d1_synchronization      |
| 8640 | Infrastructure | Bug     | New         | Normal   | Replication includes "down" nodes as replication targets                                    | Chris Jones     | 2018-07-04 11:29 | d1_replication          |
| 8603 | Infrastructure | Bug     | New         | Normal   | log aggregation incorrectly assigning location information                                  | Dave Viegla     | 2018-06-07 20:52 | d1_log_aggregation      |
| 7178 | Infrastructure | Bug     | New         | Normal   | duplicate replica information on mn-demo-5  | Robert Waltz    | 2015-07-01 20:14 | d1_replication          |
| 3700 | Infrastructure | Bug     | New         | Normal   | MNodeService.replicate will not request new object if existing on MN                        | Chris Jones     | 2015-01-06 19:43 | Metacat                 |
| 2411 | Infrastructure | Bug     | In Progress | Normal   | knb MNs and CNs allow self-signed certificates to connect                                   | Chris Jones     | 2014-10-01 22:22 | Environment.Development |
| 7097 | Infrastructure | Bug     | New         | Normal   | v1 call to CN.search() yields a NoClassDef exception for boucncycastle                      | Rob Nahf        | 2015-05-12 18:46 |                         |
| 7933 | Infrastructure | Bug     | New         | Normal   | d1-index-task-processor stops processing task queue   | Jing Tao        | 2017-01-11 23:47 | d1_indexer              |
| 4211 | Infrastructure | Bug     | New         | Normal   | Potential race condition between archive and replication                                    | Chris Jones     | 2014-09-25 17:19 | d1_cn_service           |
| 4176 | Infrastructure | Bug     | New         | Normal   | The archive method in CN doesn't call back to the authoritative and replica MNs.            |                 | 2014-10-01 21:25 |                         |
| 7936 | Infrastructure | Bug     | New         | Normal   | Same pid with different status exists in the index_task table                               | Jing Tao        | 2017-02-27 18:07 | d1_indexer              |
| 8069 | Infrastructure | Bug     | New         | Normal   | Name from ORCID incorrectly parsed  | Ben Leinfelder  | 2017-04-12 20:28 | d1_portal_servlet       |
| 7699 | Infrastructure | Bug     | New         | Normal   | alter scripts that backup postgresql db   |                 | 2017-05-09 17:33 | dataone-cn-os-core      |
| 8815 | Infrastructure | Bug     | New         | Normal   | Investigate and fix failed sync/harvest of doi:10.18739/A2CH48                              |                 | 2019-06-04 23:26 |                         |
| 8052 | Infrastructure | Bug     | New         | Normal   | Geohashed value is incorrect  | Peter Slaughter | 2017-04-07 22:06 | d1_indexer              |
| 8642 | Infrastructure | Bug     | New         | Normal   | Replication tasks apparently not deleted from backing store in a timely fashion             | Dave Viegla     | 2018-07-05 12:11 | d1_replication          |
| 8448 | Infrastructure | Bug     | New         | Normal   | d1_cn_index_tool doesn't reindex an pid from a given file                                   | Jing Tao        | 2018-03-02 22:06 | d1_indexer              |
| 8043 | Infrastructure | Bug     | New         | Normal   | The origin field for EML documents isn't properly extracted when references are used        | Jing Tao        | 2019-02-12 18:45 | d1_indexer              |
| 8541 | Infrastructure | Bug     | New         | Normal   | index shutdown threw exception  | Rob Nahf        | 2018-04-12 16:44 | d1_indexer              |
| 8046 | Infrastructure | Bug     | New         | Normal   | Mutable Member Nodes orphan unhosted objects  |                 | 2017-03-15 17:40 | Architecture Design     |
| 6791 | Infrastructure | Bug     | New         | Normal   | Building d1_log_aggregation doesn't trigger downstream builds                               |                 | 2015-01-31 00:32 | Support Operations      |

| #    | Project        | Tracker | Status      | Priority  | Subject  | Assignee       | Updated          | Category                |
|------|----------------|---------|-------------|-----------|--|----------------|------------------|-------------------------|
| 6011 | Infrastructure | Bug     | New         | Normal    | Synchronization fails from max_syncobjectqueue_size  | Robert Waltz   | 2016-01-05 17:52 | d1_synchronization      |
| 6041 | Infrastructure | Bug     | New         | Normal    | obsoletedBy field serialized with newline after pid  | Robert Waltz   | 2014-09-25 17:36 |                         |
| 8115 | Infrastructure | Bug     | New         | Normal    | LDAP logging is set to DEBUG on production CNs   | Rob Nahf       | 2017-12-26 18:29 | dataone-cn-os-core      |
| 6060 | Infrastructure | Bug     | New         | Normal    | dataone-cn-index install should fail if subtasks fail  | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout          |
| 6062 | Infrastructure | Bug     | In Progress | Normal    | Jenkins not cascading builds in trunk  | Robert Waltz   | 2016-08-10 20:56 | Environment.Development |
| 6615 | Infrastructure | Bug     | New         | Normal    | Apt-get doesn't work on mn-sandbox-unm-1   |                | 2014-11-18 18:45 |                         |
| 7371 | Infrastructure | Bug     | New         | Normal    | A systemMetadata update that changes the formatID from DATA to METADATA or RESOURCE_MAP will not upload the object to the CN | Robert Waltz   | 2015-09-22 21:47 | d1_cn_service           |
| 8045 | Infrastructure | Bug     | New         | Normal    | certificateLocation not seeming to be utilized   | Rob Nahf       | 2017-03-14 20:45 | d1_libclient_java       |
| 7523 | Infrastructure | Bug     | In Progress | Normal    | D1Client no longer updates stale NodeList  | Rob Nahf       | 2016-04-19 22:27 | d1_libclient_java       |
| 8724 | Infrastructure | Bug     | New         | Normal    | index out of bounds error in PortalCertificateManager  | Rob Nahf       | 2018-10-02 19:11 | d1_portal               |
| 8866 | Infrastructure | Bug     | New         | Normal    | Java client tools should set a custom user agent string  |                | 2020-07-15 22:43 |                         |
| 8686 | Infrastructure | Bug     | New         | Normal    | d1-index-task-processor failed with NPE  | Rob Nahf       | 2018-08-24 01:35 | d1_indexer              |
| 7967 | Infrastructure | Bug     | In Progress | Normal    | The CN is not following the xml schema definition when creating dataone exceptions   | Dave Viegla    | 2018-05-23 18:13 | Architecture Design     |
| 8783 | Infrastructure | Bug     | New         | Normal    | synchronization re-created 26k map entries in SyncQueueFacade.nodelfRoundRobin   | Rob Nahf       | 2019-04-02 20:10 | d1_synchronization      |
| 8822 | Infrastructure | Bug     | New         | Low       | Account queries in STAGE-2 failing from web browser  |                | 2019-06-19 01:44 |                         |
| 7698 | Infrastructure | Bug     | New         | Low       | Exclude SLF4J jars in d1_solr_extensions.jar   |                | 2016-03-28 16:22 | d1_cn_solr_extensions   |
| 4303 | Infrastructure | Bug     | New         | Low       | Fix potential bug where an object could be created and accepted for replication simultaneously.                              | Roger Dahl     | 2016-04-21 22:38 | d1_mn_GMN               |
| 4300 | Infrastructure | Bug     | New         | Low       | Create more appropriate "create" entry in the LogRecord for replicas   | Roger Dahl     | 2016-04-21 22:38 | d1_mn_GMN               |
| 3246 | Infrastructure | Bug     | New         | Low       | Metacat returns 500 instead of 404 in some cases   | Ben Leinfelder | 2014-10-02 18:03 | Metacat                 |
| 4210 | Infrastructure | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()   | Chris Jones    | 2013-12-20 16:12 | Metacat                 |
| 8824 | Infrastructure | Task    | In Progress | High      | Install Apache 2.4.39 and disable TLSv1.3 on CNs   | Dave Viegla    | 2019-06-19 12:11 |                         |
| 1556 | Infrastructure | Task    | In Progress | High      | Interns mailing list   |                | 2011-05-12 23:02 |                         |
| 8026 | Infrastructure | Task    | Testing     | High      | Portal reaches the maximum capacity in a pool  | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet       |
| 2033 | Infrastructure | Task    | New         | Normal    | Document hardware / CN administrators and their contact info   | Dave Viegla    | 2014-09-24 18:29 | Management              |
| 2031 | Infrastructure | Task    | New         | Normal    | Document the structure and interconnections of VM host hardware at UCSB  | Nick Outin     | 2014-09-24 18:29 | Hardware                |
| 1073 | Infrastructure | Task    | New         | Normal    | Design client application authentication redirection approach  | Matthew Jones  | 2014-10-01 20:47 | d1_identity_manager     |



| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category            |
|------|----------------|---------|-------------|----------|---|---------------|------------------|---------------------|
| 6514 | Infrastructure | Task    | New         | Normal   | Reharvest all Records to build initial cache  | Robert Waltz  | 2015-01-13 15:56 | d1_log_aggregation  |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping  | Matthew Jones | 2014-10-01 20:47 |                     |
| 8169 | Infrastructure | Task    | New         | Normal   | Document process for changing the postgres master   | Monica Ihli   | 2017-09-01 15:09 |                     |
| 2029 | Infrastructure | Task    | New         | Normal   | Document VM specifications for replication MNs  | Dave Viegla   | 2014-09-24 18:29 | Management          |
| 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 |                     |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification  | Matthew Jones | 2014-10-01 20:47 |                     |
| 8171 | Infrastructure | Task    | New         | Normal   | Document hazelcast components to be moved to postgres storage   | Monica Ihli   | 2017-09-01 15:25 |                     |
| 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       |
| 1983 | Infrastructure | Task    | New         | Normal   | UC04 describes MNCORE.ping() with discovery capability  | Dave Viegla   | 2014-10-02 17:21 | Documentation       |
| 8168 | Infrastructure | Task    | New         | Normal   | Evaluate options for postgres replication configuration   | Monica Ihli   | 2017-09-01 15:11 |                     |
| 8858 | Infrastructure | Task    | New         | Normal   | Update CN Apache configs in version control with directives to support sitemaps                                 | Bryce Mecum   | 2020-02-24 19:26 |                     |
| 8775 | Infrastructure | Task    | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive   | Bryce Mecum   | 2019-03-11 23:35 |                     |
| 1961 | Infrastructure | Task    | New         | Normal   | Types.ErrorMessage - does not exist   | Dave Viegla   | 2014-10-02 17:21 | Documentation       |
| 8150 | Infrastructure | Task    | New         | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata                                       | Jing Tao      | 2017-07-19 21:27 |                     |
| 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 |                     |
| 7177 | Infrastructure | Task    | New         | Normal   | Develop video documentation for certificate management  | Dave Viegla   | 2015-06-10 01:33 | Documentation       |
| 6166 | Infrastructure | Task    | New         | Normal   | CNRead.getChecksum() returns Content-Type of text/csv while it should be an xml type                            | Chris Jones   | 2014-08-29 15:04 | d1_cn_service       |
| 3308 | Infrastructure | Task    | New         | Normal   | Document the process for removing content contributed from a specific member node and/or the entire member node | Dave Viegla   | 2014-03-14 18:29 | Support Operations  |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs   |               | 2010-10-21 14:55 |                     |
| 2791 | Infrastructure | Task    | New         | Normal   | verify on dev machines  | Dave Viegla   | 2012-05-21 17:41 | d1_cn_buildout      |
| 995  | Infrastructure | Task    | New         | Normal   | implement JSON formatted OLLs   |               | 2010-10-25 16:45 |                     |
| 6034 | Infrastructure | Task    | In Progress | Normal   | d1_client_cli CCI 2.0 support   | Roger Dahl    | 2014-08-11 16:23 | d1_client_cli       |
| 6033 | Infrastructure | Task    | In Progress | Normal   | d1_libclient_python CCI 2.0 support   | Roger Dahl    | 2014-08-11 16:22 | d1_libclient_python |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category           |
|------|----------------|---------|-------------|----------|---|----------------|------------------|--------------------|
| 1808 | Infrastructure | Task    | New         | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()  |                | 2011-10-04 16:08 |                    |
| 6025 | Infrastructure | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack  | Roger Dahl     | 2014-08-01 15:49 |                    |
| 5988 | Infrastructure | Task    | New         | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                                   | Jing Tao       | 2014-07-22 23:18 | Hardware           |
| 7883 | Infrastructure | Task    | New         | Normal   | Document the log files of relevance on Coordinating Nodes   |                | 2016-09-09 20:20 |                    |
| 1762 | Infrastructure | Task    | New         | Normal   | Sketch CN components and associations   | Dave Viegla    | 2014-10-02 17:40 |                    |
| 7279 | Infrastructure | Task    | New         | Normal   | MN implementation documentation - need document management solution                                       | Dave Viegla    | 2015-07-28 22:24 | Documentation      |
| 3313 | Infrastructure | Task    | New         | Normal   | Configure indexer to handle inline eml data   | Skye Roseboom  | 2012-10-08 21:01 | d1_indexer         |
| 1890 | Infrastructure | Task    | New         | Normal   | Comply with Maven Central requirements for publishing artifacts   | Matthew Jones  | 2011-10-27 21:39 |                    |
| 7884 | Infrastructure | Task    | New         | Normal   | CN portal log is misconfigured  | Rob Nahf       | 2016-09-09 20:18 | d1_portal_servlet  |
| 7890 | Infrastructure | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories  | Rob Nahf       | 2017-04-19 19:12 |                    |
| 3328 | Infrastructure | Task    | New         | Normal   | Enable a data preview from the search results page  | Chris Jones    | 2012-10-23 19:34 | d1_mercury         |
| 3332 | Infrastructure | Task    | In Progress | Normal   | Revise use cases and add sample code  | Dave Viegla    | 2014-09-24 18:27 | Documentation      |
| 8066 | Infrastructure | Task    | New         | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest  | Dave Viegla    | 2017-04-11 23:47 | d1_indexer         |
| 7176 | Infrastructure | Task    | New         | Normal   | Develop textual documentation for certificate management  | Dave Viegla    | 2015-06-10 01:33 | Documentation      |
| 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            |
| 3371 | Infrastructure | Task    | New         | Normal   | unmarshalTypeFromFile method is using FileReader  |                | 2012-10-29 19:15 |                    |
| 3373 | Infrastructure | Task    | New         | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.   |                | 2012-11-06 02:05 |                    |
| 2018 | Infrastructure | Task    | New         | Normal   | document DataONE CA operations procedures   | Matthew Jones  | 2012-04-23 17:53 | Support Operations |
| 6565 | Infrastructure | Task    | New         | Normal   | Configure Jenkins jobs for ezid (ezid-client)   | Rob Nahf       | 2014-12-15 18:36 |                    |
| 7910 | Infrastructure | Task    | New         | Normal   | schema validation behavior  | Rob Nahf       | 2018-01-18 02:41 | d1_common_java     |
| 1671 | Infrastructure | Task    | New         | Normal   | Need folder for DUG, accessible by DUG members  | Matthew Jones  | 2011-07-12 12:09 | Support Operations |
| 8362 | Infrastructure | Task    | New         | Normal   | Add the indication that the cn account list is sliced   |                | 2018-02-12 17:48 |                    |
| 8506 | Infrastructure | Task    | New         | Normal   | Identify ISO metadata terms appropriate for population of data citation elements of the solr search index |                | 2018-10-04 18:17 |                    |
| 7850 | Infrastructure | Task    | New         | Normal   | Passing SID to MNRead.systemMetadataChanged()   | Dave Viegla    | 2016-07-20 20:00 |                    |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|-------------------|------------------|------------------------|
| 3465 | Infrastructure | Task    | New         | Normal   | Improve Metacat listObject slicing  | Ben Leinfelder    | 2013-01-08 18:54 | Metacat                |
| 3466 | Infrastructure | Task    | New         | Normal   | Add synthetic key to systemMetadata table   | Ben Leinfelder    | 2013-01-08 18:30 |                        |
| 3467 | Infrastructure | Task    | New         | Normal   | MN.listObject should use auto-incremented key   | Ben Leinfelder    | 2013-01-08 18:31 | Metacat                |
| 3468 | Infrastructure | Task    | New         | Normal   | Explore how CN.listObject can effectively use auto-incremented key  | Ben Leinfelder    | 2013-01-08 18:35 | Documentation          |
| 1660 | Infrastructure | Task    | New         | Normal   | Refactor REST calls so that mandatory args are part of the URL and optional args are key/value pairs                              |                   | 2011-06-28 21:35 |                        |
| 8104 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat   | Jing Tao          | 2017-06-02 20:58 | Metacat                |
| 925  | Infrastructure | Task    | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client   |                   | 2011-10-31 20:32 | d1_client_ONEDrive     |
| 7184 | Infrastructure | Task    | New         | Normal   | Create an Ansible script that can replace a server certificate  | Nick Outin        | 2015-06-15 15:10 | Support Operations     |
| 1651 | Infrastructure | Task    | New         | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid  |                   | 2016-06-22 16:51 |                        |
| 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      |
| 1650 | Infrastructure | Task    | New         | Normal   | Update d1_cn_service ProxyCNCOREService and CNCOREController to include addFormat()   |                   | 2016-06-22 16:51 |                        |
| 7774 | Infrastructure | Task    | New         | Normal   | GMN: Move to Let's Encrypt  |                   | 2016-05-09 22:16 |                        |
| 6761 | Infrastructure | Task    | New         | Normal   | unregister extraneous nodes in STAGE-2  |                   | 2015-01-14 00:49 | Environment.Stage2     |
| 1649 | Infrastructure | Task    | New         | Normal   | Update Metacat's CNCOREImpl to include addFormat()  |                   | 2016-06-22 16:51 |                        |
| 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          |
| 6754 | Infrastructure | Task    | New         | Normal   | Architecture API loose ends   | Dave Viegla       | 2015-01-13 18:54 | Architecture Design    |
| 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     |
| 7744 | Infrastructure | Task    | New         | Normal   | put together initial design   |                   | 2016-06-22 17:19 |                        |
| 5498 | Infrastructure | Task    | New         | Normal   | Determine the cause of the Jun2014 cn-orc-1 out of memory issue   | Michael Campfield | 2014-10-31 19:11 | Environment.Production |
| 1646 | Infrastructure | Task    | New         | Normal   | Add addFormat() to the CNCORE API   |                   | 2016-06-22 16:51 |                        |
| 8499 | Infrastructure | Task    | New         | Normal   | Improve rendering of <a href="http://www.isotc211.org/2005/gmd-pangaea">http://www.isotc211.org/2005/gmd-pangaea</a> in search UI |                   | 2018-05-01 01:07 |                        |
| 6760 | Infrastructure | Task    | New         | Normal   | rename mnDemo9 node   |                   | 2015-01-14 00:44 |                        |
| 8102 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Portal  | Jing Tao          | 2017-06-02 20:53 | d1_portal              |
| 8236 | Infrastructure | Task    | New         | Normal   | Acquire ORCID API key under KU membership   | Dave Viegla       | 2018-01-09 02:21 |                        |
| 5137 | Infrastructure | Task    | New         | Normal   | Fix DataONE CA chain file location in cn-buildout   | Chris Jones       | 2014-04-25 15:06 | d1_cn_buildout         |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages   | Rob Nahf          | 2012-10-16 21:34 | d1_integration         |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|----------------|------------------|-------------------------------|
| 8747 | Infrastructure | Task    | New         | Normal   | Adjust package configuration to persist changes between updates  | Dave Viegla    | 2018-11-16 17:32 |                               |
| 3171 | Infrastructure | Task    | New         | Normal   | Add d1_common_java d1_libclient_java and their dependency jar files to the morpho lib  |                | 2012-08-31 17:27 |                               |
| 4722 | Infrastructure | Task    | New         | Normal   | Clarify permissions for CN   | Dave Viegla    | 2014-10-02 17:21 |                               |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate  | Chris Jones    | 2014-09-24 18:14 | Environment.Production        |
| 3166 | Infrastructure | Task    | New         | Normal   | Add d1_common_java and d1_libclient_java and their dependency jar  |                | 2012-08-31 17:15 |                               |
| 4714 | Infrastructure | Task    | In Progress | Normal   | Refresh client certificate for MN urn:node:TFRI  | Chris Jones    | 2014-09-24 18:14 | Environment.Production        |
| 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 |                               |
| 4712 | Infrastructure | Task    | New         | Normal   | replace SSL cert for cn-ucsb-1.dataone.org   |                | 2014-09-24 18:14 |                               |
| 3142 | Infrastructure | Task    | New         | Normal   | Need a new local search mechanism  |                | 2013-03-02 05:15 |                               |
| 4711 | Infrastructure | Task    | New         | Normal   | replace SSL Certs for cn-unm-1.dataone.org   |                | 2014-09-24 18:14 |                               |
| 8105 | Infrastructure | Task    | New         | Normal   | Remove dataone-mercury from production CNs   | Jing Tao       | 2018-03-02 22:17 | d1_mercury                    |
| 4675 | Infrastructure | Task    | New         | Normal   | Administratively delete those pids with the white spaces   |                | 2014-09-24 18:09 |                               |
| 8811 | Infrastructure | Task    | New         | Normal   | Merge 2.3.9 changes to trunk   | Jing Tao       | 2019-05-21 13:06 |                               |
| 8604 | Infrastructure | Task    | New         | Normal   | Update the static IP lists for robots etc  | Dave Viegla    | 2018-06-07 20:56 | d1_log_aggregation            |
| 8505 | Infrastructure | Task    | New         | Normal   | Review solr terms for coverage of data citation elements   | Monica Ihli    | 2018-03-19 21:57 |                               |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2  | Andrew Pippin  | 2012-08-02 17:27 |                               |
| 1527 | Infrastructure | Task    | New         | Normal   | Allow AccessPolicy to be set for groups  | Matthew Jones  | 2014-10-01 20:47 |                               |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents   | Ben Leinfelder | 2012-07-31 01:34 |                               |
| 8205 | Infrastructure | Task    | New         | Normal   | Adjust memory allocation to Tomcat7 on CNs   |                | 2017-10-24 15:33 |                               |
| 8237 | Infrastructure | Task    | New         | Normal   | Configure production environment to use new API key under KU ORCID membership  | Dave Viegla    | 2018-01-09 02:21 | Authentication, Authorization |
| 3108 | Infrastructure | Task    | New         | Normal   | lastHarvested date is always equal to the current time.  | Dave Viegla    | 2012-07-30 22:11 |                               |
| 1521 | Infrastructure | Task    | New         | Normal   | Compressed Response  |                | 2011-05-04 14:35 |                               |
| 8817 | Infrastructure | Task    | New         | Normal   | Configure sitemaps on the CN   | Jing Tao       | 2020-03-12 18:30 |                               |
| 3082 | Infrastructure | Task    | New         | Normal   | Morpho should not rely on CN for any critical features   |                | 2013-03-02 05:26 | Morpho                        |
| 3080 | Infrastructure | Task    | New         | Normal   | Calling Dataone client library in morpho   |                | 2013-03-02 05:28 |                               |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|----------------|---------|-------------|----------|--|----------------|------------------|------------------------|
| 8080 | Infrastructure | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic                         | Rob Nahf       | 2017-05-09 22:55 | d1_indexer             |
| 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 |                        |
| 1519 | Infrastructure | Task    | New         | Normal   | HTTP Byte Range Requests   |                | 2011-05-04 14:34 |                        |
| 8206 | Infrastructure | Task    | New         | Normal   | Review and adjust memory allocation to Solr and zookeeper  |                | 2017-10-24 16:03 |                        |
| 8808 | Infrastructure | Task    | New         | Normal   | Remove old versions of Tomcat  |                | 2019-05-21 12:49 |                        |
| 7104 | Infrastructure | Task    | New         | Normal   | Event index reindexing shouldn't require re-harvest from MNs   |                | 2015-07-09 15:34 | d1_log_aggregation     |
| 7612 | Infrastructure | Task    | In Progress | Normal   | Contact ORNLDAAC   | Laura Moyers   | 2016-02-11 18:02 | Environment.Production |
| 8079 | Infrastructure | Task    | In Progress | Normal   | prototype durable task processing for d1_index_processor   | Rob Nahf       | 2017-04-26 05:45 | d1_indexer             |
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats  | Ben Leinfelder | 2012-08-14 23:41 |                        |
| 1502 | Infrastructure | Task    | New         | Normal   | Fix hierarchy of permission levels.  | Matthew Jones  | 2014-10-01 20:47 | Documentation          |
| 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 |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header  | Chris Jones    | 2013-02-21 18:41 | Metacat                |
| 1494 | Infrastructure | Task    | New         | Normal   | Create sequence diagrams for Authentication services.  | Matthew Jones  | 2014-10-01 20:47 |                        |
| 2030 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UNM                                     | Dave Vieglais  | 2014-09-24 18:29 | Hardware               |
| 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 |
| 1485 | Infrastructure | Task    | New         | Normal   | Clean up authn requirements listing  | Matthew Jones  | 2014-10-01 20:47 |                        |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map  | Chris Jones    | 2014-03-31 17:41 | d1_dashboard           |
| 2896 | Infrastructure | Task    | New         | Normal   | Modify the admin DN in createObjectformat script per environment   | Chris Jones    | 2012-10-05 14:23 | d1_cn_buildout         |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*   | Dave Vieglais  | 2015-06-25 22:00 | d1_schemas             |
| 2826 | Infrastructure | Task    | New         | Normal   | MNStorage.archive() - Permissions  | Dave Vieglais  | 2014-10-02 17:21 | Documentation          |
| 1484 | Infrastructure | Task    | New         | Normal   | Decide on format for Principals  | Matthew Jones  | 2014-10-01 20:47 |                        |
| 2810 | Infrastructure | Task    | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect   | Dave Vieglais  | 2014-10-02 17:21 | Documentation          |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|---------------|------------------|-------------------------------|
| 4102 | Infrastructure | Task    | New         | Normal   | Add expiration policy for CNCORE.reserveldentifier()   | Dave Viegla   | 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 Viegla   | 2014-07-31 22:23 | d1_synchronization            |
| 7607 | Infrastructure | Task    | New         | Normal   | LTER_EUROPE refuses the production CN from harvesting log records                            | Laura Moyers  | 2016-06-09 16:34 | Environment.Production        |
| 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            |
| 2794 | Infrastructure | Task    | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | Dave Viegla   | 2014-10-02 17:21 | Documentation                 |
| 1474 | Infrastructure | Task    | New         | Normal   | Design verification process for new accounts   | Matthew Jones | 2014-10-01 20:47 |                               |
| 8238 | Infrastructure | Task    | New         | Normal   | Document contacts and procedure for using KU ORCID membership API key                        | Dave Viegla   | 2018-01-09 02:22 | Authentication, Authorization |
| 1473 | Infrastructure | Task    | New         | Normal   | Make default access policy explicit in Authz docs.   | Matthew Jones | 2014-10-01 20:47 |                               |
| 2688 | Infrastructure | Task    | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison | Dave Viegla   | 2014-09-24 18:27 | Documentation                 |
| 7958 | Infrastructure | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN                        | Rob Nahf      | 2017-01-04 17:23 | d1_synchronization            |
| 8804 | Infrastructure | Task    | New         | Normal   | Add ldap backup config to cn os-core   | Dave Viegla   | 2019-05-21 12:32 | dataone-cn-os-core            |
| 2685 | Infrastructure | Task    | New         | Normal   | Where's the WIFFM on the DataONE web site for the researcher user?                           |               | 2012-05-01 15:31 | Support Operations            |
| 7538 | Infrastructure | Task    | New         | Normal   | look at nodeFactory in how it builds mock CNodes   | Rob Nahf      | 2015-12-10 17:03 | d1_libclient_java             |
| 2664 | Infrastructure | Task    | New         | Normal   | Create documentation for how transitivity is enacted for authorization                       | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 1472 | Infrastructure | Task    | New         | Normal   | Explain revocation policies via MN curator.  | Matthew Jones | 2014-10-01 20:47 |                               |
| 8070 | Infrastructure | Task    | New         | Normal   | Consolidate the index application-context files  | Jing Tao      | 2017-04-13 12:51 |                               |
| 7047 | Infrastructure | Task    | New         | Normal   | Set user-agent in http request header for CN requests to member nodes                        | Robert Waltz  | 2015-04-15 22:41 | d1_cn_service                 |
| 2660 | Infrastructure | Task    | New         | Normal   | Deciding on a key size for D1 certs  | Dave Viegla   | 2014-10-02 17:21 | Documentation                 |
| 7537 | Infrastructure | Task    | New         | Normal   | add nodelist refreshes to NodeLocator classes  | Rob Nahf      | 2015-12-10 16:59 | d1_libclient_java             |
| 2646 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()          | Dave Viegla   | 2014-10-02 17:21 | Documentation                 |
| 3978 | Infrastructure | Task    | In Progress | Normal   | Add a CN reporting script that summarizes spatial data for the dashboard                     | Chris Jones   | 2014-03-31 17:41 | d1_dashboard                  |
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN   | Dave Viegla   | 2013-10-06 20:11 | mn.OPeNDAP                    |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee        | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|-----------------|------------------|------------------------|
| 4059 | Infrastructure | Task    | New         | Normal   | Add test to verify node is reporting correct nodeid in log records                    | Rob Nahf        | 2013-10-07 19:10 |                        |
| 1471 | Infrastructure | Task    | New         | Normal   | Define implicit curator role at Member Nodes.   | Matthew Jones   | 2014-10-01 20:47 |                        |
| 2793 | Infrastructure | Task    | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header | Dave Viegla     | 2014-10-02 17:21 | Documentation          |
| 7641 | Infrastructure | Task    | New         | Normal   | contact ONEShare  | Laura Moyers    | 2016-02-12 16:40 | Environment.Production |
| 8746 | Infrastructure | Task    | New         | Normal   | Require email address from user when logging in via ORCID                             |                 | 2018-11-16 05:57 |                        |
| 8807 | Infrastructure | Task    | New         | Normal   | remove old versions of postgres   |                 | 2019-05-21 12:47 |                        |
| 3974 | Infrastructure | Task    | New         | Normal   | Complete agenda for meeting   | Dave Viegla     | 2013-09-11 20:59 |                        |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions                                | Andrew Pippin   | 2012-07-06 16:25 | d1_mn_GMN              |
| 2809 | Infrastructure | Task    | New         | Normal   | MNStorage.update() - Make behavior explicit   | Dave Viegla     | 2014-10-02 17:21 | Documentation          |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                                       | Matthew Jones   | 2014-10-01 20:47 | Documentation          |
| 4120 | Infrastructure | Task    | New         | Normal   | Display total data downloads in the SummaryView header                                | Skye Roseboom   | 2014-03-31 17:41 | d1_dashboard           |
| 4125 | Infrastructure | Task    | New         | Normal   | Mock up an informational section of the Member Node detail view                       | Chris Jones     | 2014-03-31 17:41 | d1_dashboard           |
| 3925 | Infrastructure | Task    | New         | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN           | Rob Nahf        | 2014-10-01 22:04 | MNWebChecker           |
| 3924 | Infrastructure | Task    | New         | Normal   | Pids in ObjectList should be the same as pids in the systemMetadata Map               | Rob Nahf        | 2014-10-01 22:04 | MNWebChecker           |
| 2594 | Infrastructure | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop  | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury             |
| 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            |
| 3907 | Infrastructure | Task    | New         | Normal   | MN Integration Test - verify system metadata returned matches expected                | Rob Nahf        | 2013-08-09 18:48 | d1_integration         |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                                | Rob Nahf        | 2014-10-01 22:04 | d1_integration         |
| 4189 | Infrastructure | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation                                   | Dave Viegla     | 2017-01-14 00:24 | d1_schemas             |
| 4190 | Infrastructure | Task    | New         | Normal   | Update architecture docs to import dataoneErrors.xsd                                  | Dave Viegla     | 2014-09-24 18:28 | Documentation          |
| 4192 | Infrastructure | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition                  | Dave Viegla     | 2014-09-24 18:28 | Management             |
| 2593 | Infrastructure | Task    | New         | Normal   | Prepare science data and metadata content for the workshop                            | Dave Viegla     | 2012-04-09 22:52 |                        |
| 1482 | Infrastructure | Task    | New         | Normal   | Design mechanism to collapse two accounts into one                                    | Matthew Jones   | 2014-10-01 20:47 |                        |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee          | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|-------------------|------------------|-------------------------------|
| 3905 | Infrastructure | Task    | In Progress | Normal   | Sort out shell logins for splunk system                                      | Bruce Wilson      | 2013-08-23 13:27 | Support Operations            |
| 3901 | Infrastructure | Task    | New         | Normal   | Review Mozilla Persona as an alternative for identity management             | Dave Viegla       | 2013-08-09 11:57 | Documentation                 |
| 1518 | Infrastructure | Task    | New         | Normal   | How to support caching   |                   | 2011-05-04 14:33 |                               |
| 6569 | Infrastructure | Task    | New         | Normal   | configure jobs for tag 1.0.1, 1.0.0 and 0.9.0                                | Rob Nahf          | 2014-11-14 17:56 |                               |
| 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            |
| 3063 | Infrastructure | Task    | New         | Normal   | Change Mutability of Metadata documentation                                  | Dave Viegla       | 2014-09-24 18:27 | Documentation                 |
| 8230 | Infrastructure | Task    | New         | Normal   | review bouncy castle version   | Rob Nahf          | 2018-03-02 21:48 | d1_libclient_java             |
| 3067 | Infrastructure | Task    | New         | Normal   | Old DAAC PIDs to archive   | Dave Viegla       | 2013-01-02 14:14 | mn.Mercury                    |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09   | Skye Roseboom     | 2014-09-11 15:47 | d1_replication                |
| 3076 | Infrastructure | Task    | New         | Normal   | Allow user to specify Morpho storage directory                               |                   | 2013-03-02 05:29 | Morpho                        |
| 3895 | Infrastructure | Task    | New         | Normal   | Can we add bugs to a task in a story?  |                   | 2014-09-24 18:27 |                               |
| 3894 | Infrastructure | Task    | New         | Normal   | This task contains all the bugs related to the story                         |                   | 2014-09-24 18:27 |                               |
| 2549 | Infrastructure | Task    | New         | Normal   | document the decision  | Matthew Jones     | 2012-03-27 22:03 | Authentication, Authorization |
| 1520 | Infrastructure | Task    | New         | Normal   | Stream Output  |                   | 2011-05-04 14:35 |                               |
| 3891 | Infrastructure | Task    | New         | Normal   | review vulnerability to BREACH attacks                                       | Dave Viegla       | 2013-08-07 15:01 | Authentication, Authorization |
| 3881 | Infrastructure | Task    | New         | Normal   | 4.2.1.4 Definition of Verified User Lacking                                  | Dave Viegla       | 2014-09-24 18:27 | Documentation                 |
| 1481 | Infrastructure | Task    | New         | Normal   | Clarify spec that groups can own objects                                     | Matthew Jones     | 2014-10-01 20:47 |                               |
| 3880 | Infrastructure | Task    | New         | Normal   | 4.2.1.3 CILogon Extension Not Documented                                     |                   | 2014-09-24 18:27 | Environment.Production        |
| 3879 | Infrastructure | Task    | New         | Normal   | 4.2.1.2 Missing Policies and Expectations                                    |                   | 2014-09-24 18:27 | Environment.Production        |
| 2508 | Infrastructure | Task    | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas. | Dave Viegla       | 2014-10-02 17:21 | Documentation                 |
| 3878 | Infrastructure | Task    | New         | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation                                | Dave Viegla       | 2014-09-24 18:27 |                               |
| 8224 | Infrastructure | Task    | New         | Normal   | metacat not promoting node token privs for solr                              | Jing Tao          | 2017-12-04 19:33 | Metacat                       |
| 2492 | Infrastructure | Task    | New         | Normal   | Add status page for given {pid}  | Ben Leinfelder    | 2012-03-15 02:02 | d1_monitor                    |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features   | Chris Jones       | 2013-09-12 20:04 | Environment.Production        |



| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|---------------|------------------|------------------------|
| 3115 | Infrastructure | Task    | New         | Normal   | Get R client into working state.  | Andrew Pippin | 2012-08-02 17:32 |                        |
| 2545 | Infrastructure | Task    | New         | Normal   | create d1_integration tests using for MN.generateIdentifier   | Rob Nahf      | 2014-10-02 17:54 | d1_integration         |
| 2475 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null  | Dave Viegla   | 2014-10-02 17:21 | Documentation          |
| 3811 | Infrastructure | Task    | New         | Normal   | Document the "non-standard" certificates being used for accessing content in DataONE and its member nodes | Rob Nahf      | 2014-09-24 18:27 | Support Operations     |
| 1414 | Infrastructure | Task    | New         | Normal   | How to represent additional Node attributes.  |               | 2011-03-09 06:16 |                        |
| 4704 | Infrastructure | Task    | New         | Normal   | Create a view of MN holdings from a CN perspective  | Dave Viegla   | 2014-04-09 15:33 |                        |
| 3810 | Infrastructure | Task    | New         | Normal   | Identify and setup location for user oriented operational docs  | Dave Viegla   | 2014-09-24 18:27 | Support Operations     |
| 3807 | Infrastructure | Task    | New         | Normal   | Add documentation for Types.QueryEngineDescription  | Dave Viegla   | 2014-10-02 17:21 | Documentation          |
| 2466 | Infrastructure | Task    | New         | Normal   | Authentication - Remove references to Principal   | Dave Viegla   | 2014-10-02 17:21 | Documentation          |
| 4713 | Infrastructure | Task    | New         | Normal   | replace SSL cert fo cn-orc-1.dataone.org  |               | 2014-09-24 18:14 |                        |
| 2465 | Infrastructure | Task    | New         | Normal   | Authentication - Remove TODO about selecting format for principal name                                    | Dave Viegla   | 2014-10-02 17:21 | Documentation          |
| 4715 | Infrastructure | Task    | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN  | Chris Jones   | 2014-09-24 18:14 |                        |
| 4716 | Infrastructure | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD   | Chris Jones   | 2014-09-24 18:14 | Environment.Production |
| 4717 | Infrastructure | Task    | New         | Normal   | refresh client certificate for mn-unm-2.dataone.org   |               | 2014-09-24 18:14 |                        |
| 3768 | Infrastructure | Task    | New         | Normal   | Add canonical DataONE description paper to citing DataONE web-page  | Amber Budden  | 2013-05-16 22:20 | Community Engagement   |
| 2464 | Infrastructure | Task    | New         | Normal   | Authentication - no space after comma in subjects   | Dave Viegla   | 2014-10-02 17:21 | Documentation          |
| 4723 | Infrastructure | Task    | New         | Normal   | MN recognition of CN  | Dave Viegla   | 2014-10-02 17:21 |                        |
| 3175 | Infrastructure | Task    | New         | Normal   | Include dataoneTypes.xsd in Metacat registered schemas  | Chris Jones   | 2012-10-05 14:23 | Metacat                |
| 3757 | Infrastructure | Task    | New         | Normal   | Verify Log reporting in MN Tester   | Rob Nahf      | 2013-05-10 17:42 | d1_integration         |
| 5136 | Infrastructure | Task    | New         | Normal   | Change DNS settings on all DataONE VMs  | Chris Jones   | 2014-05-08 03:16 | Environment.Production |
| 3728 | Infrastructure | Task    | New         | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata   | Dave Viegla   | 2014-09-24 18:27 | Documentation          |
| 1411 | Infrastructure | Task    | New         | Normal   | Vendor Specific Extensions  |               | 2011-03-08 16:59 |                        |
| 8755 | Infrastructure | Task    | New         | Normal   | Expand EML indexing support for EML 2.2   | Bryce Mecum   | 2019-08-15 01:50 |                        |

| #    | Project        | Tracker | Status  | Priority | Subject  | Assignee       | Updated          | Category           |
|------|----------------|---------|---------|----------|--|----------------|------------------|--------------------|
| 1339 | Infrastructure | Task    | New     | Normal   | "common" -> "base" or "foundation"                                     |                | 2011-02-09 23:19 |                    |
| 2394 | Infrastructure | Task    | New     | Normal   | CNRead.search() - solr / SOLR  | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 7922 | Infrastructure | Task    | New     | Normal   | DataONE Accessibility  | Isis Serna     | 2016-10-31 23:05 |                    |
| 8078 | Infrastructure | Task    | New     | Normal   | standardize task serialization for language independence               | Rob Nahf       | 2017-04-25 22:39 | d1_indexer         |
| 8308 | Infrastructure | Task    | New     | Normal   | Review use of /node/subject in the node documents                      |                | 2018-02-06 20:05 |                    |
| 2342 | Infrastructure | Task    | New     | Normal   | CNCore.reserveldentifier() - Update REST description                   | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 1335 | Infrastructure | Task    | New     | Normal   | Local caching of the d1 schema.  |                | 2011-02-09 22:56 |                    |
| 2344 | Infrastructure | Task    | New     | Normal   | Add category for Ben's style sheets in Redmine                         | Dave Viegla    | 2012-02-15 17:45 | Support Operations |
| 2343 | Infrastructure | Task    | New     | Normal   | Convert style sheets to separate product                               | Ben Leinfelder | 2012-02-15 17:43 |                    |
| 8793 | Infrastructure | Task    | New     | Normal   | Replace ONEMercury installation  |                | 2019-05-01 14:04 |                    |
| 1334 | Infrastructure | Task    | New     | Normal   | Completely remove detailCode   |                | 2011-02-09 22:51 |                    |
| 8753 | Infrastructure | Task    | New     | Normal   | Add support for EML 2.2 (indexing, view)                               | Bryce Mecum    | 2018-12-19 00:54 |                    |
| 5531 | Infrastructure | Task    | Testing | Normal   | Provide overview of replication process for MN implementors            | Matthew Jones  | 2014-10-02 17:21 | Documentation      |
| 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         |
| 3643 | Infrastructure | Task    | New     | Normal   | Decide on future of stage-2 environment                                | Robert Waltz   | 2015-01-14 00:41 |                    |
| 1333 | Infrastructure | Task    | New     | Normal   | traceInformation -> trace  |                | 2011-02-09 22:46 |                    |
| 3635 | Infrastructure | Task    | New     | Normal   | Phase two Morpho implementation  | Ben Leinfelder | 2013-03-25 22:49 |                    |
| 7767 | Infrastructure | Task    | New     | Normal   | In DataONE search results, move map display to map extent              | Dave Viegla    | 2016-05-04 18:31 |                    |
| 8369 | Infrastructure | Task    | New     | Normal   | Verify operation and transfer DNS                                      | Dave Viegla    | 2018-02-15 17:40 |                    |
| 2227 | Infrastructure | Task    | New     | Normal   | Specify valid mimetypes for responses                                  | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 1332 | Infrastructure | Task    | New     | Normal   | Possibly remove MN_crud.update()                                       |                | 2011-02-09 22:50 |                    |
| 6624 | Infrastructure | Task    | New     | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page          |                | 2014-11-21 20:29 | Documentation      |
| 2172 | Infrastructure | Task    | New     | Normal   | Types.DateTime: Example serialization without TZ designator            | Dave Viegla    | 2014-10-02 17:21 | Documentation      |
| 6876 | Infrastructure | Task    | New     | Normal   | Support for ISO 19139 metadata standard                                |                | 2015-03-10 17:27 | Format ID          |
| 3626 | Infrastructure | Task    | New     | Normal   | Metacat should use correct object format for ESRI profile metadata     | Ben Leinfelder | 2013-02-27 23:56 | Metacat            |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|----------------|------------------|------------------------|
| 3625 | Infrastructure | Task    | New         | Normal   | Update existing SANParks doctype="metadata" objects to new ESRI/FGDC objectFormatId | Ben Leinfelder | 2013-02-27 23:44 | Environment.Production |
| 2169 | Infrastructure | Task    | In Progress | Normal   | Design content and layout for status page   | Dave Vieglaiss | 2012-03-14 20:40 | d1_monitor             |
| 3624 | Infrastructure | Task    | Testing     | Normal   | Update CN index processing to support ESRI FGDC metadata format                     | Skye Roseboom  | 2013-03-05 23:27 | d1_indexer             |
| 3616 | Infrastructure | Task    | New         | Normal   | Enable ServiceMethodRestriction support in Metacat                                  | Chris Jones    | 2013-02-27 16:28 | Metacat                |
| 1331 | Infrastructure | Task    | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()                              |                | 2011-02-09 22:44 |                        |
| 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      |
| 3612 | Infrastructure | Task    | New         | Normal   | CN SystemMetadata has incomplete obsoletedBy information                            | Ben Leinfelder | 2013-03-08 17:43 | Environment.Production |
| 3610 | Infrastructure | Task    | In Progress | Normal   | Include ESRI-specific FGDC metadata schema in object format list                    | Chris Jones    | 2013-07-03 00:23 | Environment.Production |
| 2151 | Infrastructure | Task    | New         | Normal   | Ensuring that cited objects are not deleted   |                | 2011-12-23 04:20 |                        |
| 1236 | Infrastructure | Task    | New         | Normal   | Highly variable response times from cn.dataone.org                                  |                | 2011-01-17 16:34 | d1_cn_service          |
| 3598 | Infrastructure | Task    | New         | Normal   | Node document subject description is a bit unclear                                  | Dave Vieglaiss | 2014-10-02 17:21 | Documentation          |
| 7466 | Infrastructure | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API                                  | Chris Jones    | 2015-11-05 16:11 | Metacat                |
| 2142 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - include PID in signature                               | Dave Vieglaiss | 2014-10-02 17:21 | Documentation          |
| 6026 | Infrastructure | Task    | In Progress | Normal   | d1_common CCI 2.0 support   | Roger Dahl     | 2014-08-01 15:49 | d1_common_python       |
| 3596 | Infrastructure | Task    | New         | Normal   | Fix Merritt Repository resource map typing of triple objects                        | John Kunze     | 2013-02-19 02:27 | mn.Merritt             |
| 1234 | Infrastructure | Task    | New         | Normal   | Record performance metrics for member nodes   |                | 2011-01-15 02:52 |                        |
| 8792 | Infrastructure | Task    | New         | Normal   | Create landing page for redirection from ONEMercury                                 |                | 2019-05-01 14:03 |                        |
| 3577 | Infrastructure | Task    | New         | Normal   | Confusing message about "Ignored Tests present".                                    | Rob Nahf       | 2013-02-14 22:36 | MNWebChecker           |
| 2133 | Infrastructure | Task    | New         | Normal   | listObjects() datetime slicing  |                | 2011-12-12 23:15 |                        |
| 6877 | Infrastructure | Task    | New         | Normal   | Support for ISO 19115 metadata standard   |                | 2015-03-10 18:08 | Format ID              |
| 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          |
| 6706 | Infrastructure | Task    | New         | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"     | Robert Waltz   | 2015-10-09 17:38 | Environment.Sandbox    |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category           |
|------|----------------|---------|-------------|----------|---|---------------|------------------|--------------------|
| 2083 | Infrastructure | Task    | New         | Normal   | Split the CN API into public and private sections   | Dave Viegla   | 2014-10-02 17:21 | Documentation      |
| 1226 | Infrastructure | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war                                     |               | 2011-01-13 14:57 | d1_cn_buildout     |
| 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      |
| 6168 | Infrastructure | Task    | New         | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure  | Chris Jones   | 2014-08-29 16:01 | d1_cn_service      |
| 6250 | Infrastructure | Task    | New         | Normal   | CN methods return 500 ServiceFailure when called with bogus test data and without certificates        | Chris Jones   | 2014-08-29 18:59 | d1_cn_service      |
| 3314 | Infrastructure | Task    | New         | Normal   | CNRead.getQueryEngineDescription() - REST URL   | Dave 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      |
| 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         |
| 6367 | Infrastructure | Task    | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array  | Nick Outin    | 2014-09-08 20:19 | Hardware           |
| 1035 | Infrastructure | Task    | In Progress | Normal   | Develop reference architecture documents  | Bruce Wilson  | 2011-03-03 19:26 | Documentation      |
| 6372 | Infrastructure | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests  | Rob Nahf      | 2016-06-22 16:53 | d1_replication     |
| 6375 | Infrastructure | Task    | In Progress | Normal   | Refactor out dependency on a working CN   | Rob Nahf      | 2016-06-22 16:53 | d1_replication     |
| 6376 | Infrastructure | Task    | New         | Normal   | test the new strategy against working ReplicationManager test   | Rob Nahf      | 2016-06-22 16:53 | d1_replication     |
| 6378 | Infrastructure | Task    | Testing     | Normal   | code up the new strategy  | Rob Nahf      | 2016-06-22 16:53 | d1_replication     |
| 2054 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                                     | Dave Viegla   | 2014-10-02 17:21 | Documentation      |
| 3438 | Infrastructure | Task    | New         | Normal   | Evaluate utility of schema.org  |               | 2012-12-21 16:15 | Documentation      |
| 1047 | Infrastructure | Task    | In Progress | Normal   | Write Authentication system specification   | Matthew Jones | 2014-10-01 20:47 |                    |
| 6389 | Infrastructure | Task    | New         | Normal   | The version of com.googlecode.foresite-toolkit is 1.0-SNAPSHOT on the d1_libclient_java releases      |               | 2014-09-18 00:42 |                    |
| 8222 | Infrastructure | Task    | New         | Normal   | reindex all isotc211 content in production to reflect final decisions from origin field mapping       | Dave Viegla   | 2018-03-22 16:56 | d1_indexer         |
| 6394 | Infrastructure | Task    | New         | Normal   | Resolve SSL certificate connection errors for UNM Epscor Tier 4 MN in development                     | Chris Jones   | 2014-09-18 18:39 | Support Operations |
| 6396 | Infrastructure | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally  | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker       |
| 6397 | Infrastructure | Task    | New         | Normal   | test that it works from standalone .war   | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker       |
| 6398 | Infrastructure | Task    | New         | Normal   | update MNWebTest operations docs  | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker       |
| 6399 | Infrastructure | Task    | New         | Normal   | set up release practice for the MNWebTester .war  | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker       |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee          | Updated          | Category               |
|------|----------------|---------|--------|----------|---|-------------------|------------------|------------------------|
| 6478 | Infrastructure | Task    | New    | Normal   | move mncheck VM to a different VMhost   | Dave Vieglais     | 2014-10-01 20:34 | MNWebChecker           |
| 6483 | Infrastructure | Task    | New    | Normal   | DataONE xsede VM at ORC   | Michael Campfield | 2014-10-24 10:54 |                        |
| 2028 | Infrastructure | Task    | New    | Normal   | Document VM specifications for CNs  | Dave Vieglais     | 2014-09-24 18:29 | Management             |
| 2053 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion   |                   | 2014-10-02 17:21 |                        |
| 3512 | Infrastructure | Task    | New    | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes                 | Dave Vieglais     | 2013-01-23 16:34 | Environment.Production |
| 3380 | Infrastructure | Task    | New    | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x   | Dave Vieglais     | 2012-12-12 16:50 |                        |
| 1225 | Infrastructure | Task    | New    | Normal   | Configure Hudson Metacat build  |                   | 2011-01-13 14:41 | Metacat                |
| 3511 | Infrastructure | Task    | New    | Normal   | Issue certificates from D1TestIntCA for stage environment nodes, and revoke certificates signed by D1TestCA   | Chris Jones       | 2014-09-24 18:25 | Support Operations     |
| 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     |
| 2051 | Infrastructure | Task    | New    | Normal   | Use subject instead of NodeRef  |                   | 2011-11-23 18:11 | Documentation          |
| 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     |
| 3501 | Infrastructure | Task    | New    | Normal   | The list of MN objects doesn't show an object, but the direct access shows it                                 |                   | 2013-01-18 19:13 |                        |

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