

## Issues

| #    | Project | Tracker | Status      | Priority | Subject                                                                                                 | Assignee       | Updated          | Category               |
|------|---------|---------|-------------|----------|---------------------------------------------------------------------------------------------------------|----------------|------------------|------------------------|
| 8864 | CN REST | Story   | New         | Normal   | Synchronization does not register authoritative replica entry correctly                                 | Jing Tao       | 2020-06-19 21:59 | d1_synchronization     |
| 8771 | CN REST | Story   | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`                                                   | Dave Vieglais  | 2019-03-05 19:43 | d1_cn_rest             |
| 8770 | CN REST | Story   | New         | Normal   | Issue with CN handling of encoded identifiers in object/ meta/ node/, others?                           | Jing Tao       | 2019-03-05 19:37 | d1_cn_rest             |
| 8757 | CN REST | Story   | New         | Normal   | Fix getChecksum() in MNAuditTask to use dynamic checksum algorithms                                     | Chris Jones    | 2019-01-14 19:48 | d1_replication_auditor |
| 8756 | CN REST | Story   | New         | Normal   | Ensure replica auditor is effective                                                                     | Chris Jones    | 2019-01-15 21:00 | d1_replication_auditor |
| 8749 | CN REST | Story   | New         | Normal   | Fix log aggregation events from the CN without associated CN IPs                                        | Dave Vieglais  | 2019-05-01 22:25 |                        |
| 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      |
| 8810 | CN REST | Task    | New         | Normal   | Verify configuration of portal certificates                                                             |                | 2019-05-21 13:00 |                        |
| 8809 | CN REST | Task    | New         | Normal   | Adjust portal.properties for certificate configuration                                                  |                | 2019-05-21 12:57 |                        |
| 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 |
| 8777 | CN REST | Task    | New         | Normal   | Configure CN to audit objects greater than 1GB                                                          | Chris Jones    | 2019-03-13 20:50 | d1_replication_auditor |
| 8776 | CN REST | Task    | New         | Normal   | Set valid replica status to completed                                                                   | Chris Jones    | 2019-03-12 15:57 | d1_replication_auditor |
| 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      |
| 7911 | CN REST | Task    | New         | Normal   | Synchronization allows invalid checksums, preventing corrected sync                                     |                | 2016-10-17 15:58 | d1_synchronization     |
| 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             |
| 7849 | CN REST | Task    | New         | Normal   | Improve exception messages when cascading SSL derived exceptions                                        | Rob Nahf       | 2016-07-19 17:23 |                        |
| 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 |                        |
| 7571 | CN REST | Task    | New         | Normal   | Description for error code 401, detail code 4957 is misleading in some cases                            |                | 2016-01-05 16:25 |                        |
| 7096 | CN REST | Task    | New         | Normal   | Unexpectedly closed streams / disconnects on UNM network                                                | Dave Vieglais  | 2015-05-12 17:49 |                        |
| 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 |                        |
| 2415 | CN REST | Task    | New         | Normal   | Implement exceptions for log endpoint                                                                   | Robert Waltz   | 2015-01-19 22:49 |                        |
| 2414 | CN REST | Task    | New         | Normal   | Implement exceptions for search/solr endpoint                                                           | Skye Roseboom  | 2015-01-19 22:49 |                        |
| 2168 | CN REST | Task    | New         | Normal   | Design UI for identity validation                                                                       | Ben Leinfelder | 2015-01-19 22:59 |                        |

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| 1479 | CN REST     | Task    | In Progress | Normal   | Design web UI for validating newly created identities                                                                               | 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 |                       |
| 8867 | CN REST     | Bug     | New         | High     | CNCore.listChecksumAlgorithms() returns incorrect list                                                                              | Jing Tao       | 2020-08-06 00:06 | d1_cn_rest            |
| 8860 | CN REST     | Bug     | New         | Normal   | /token endpoint doesn't set a content-type and character encoding                                                                   |                | 2020-02-29 01:00 | d1_portal             |
| 8740 | CN REST     | Bug     | New         | Normal   | CN resolve service returning 404 for some pids                                                                                      |                | 2019-01-22 18:41 | cn_metacat            |
| 8733 | CN REST     | Bug     | New         | Normal   | Exception handling in ForesiteResourceMap needs improvement                                                                         | Jing Tao       | 2018-10-12 20:09 | d1_cn_index_processor |
| 8698 | CN REST     | Bug     | New         | Normal   | CN Performance degradation                                                                                                          |                | 2018-09-13 21:05 | d1_cn_rest            |
| 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   |
| 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 Vieglais  | 2016-10-21 18:00 | cn_metacat            |
| 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    |
| 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  |
| 7440 | CN REST     | Bug     | New         | Normal   | Non-discernable error during synchronization affecting (mostly) urn:node:mnTestAEKOS - "Client is shutdown."                        |                | 2015-10-20 14:46 |                       |
| 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 |                       |
| 7161 | CN REST     | Bug     | New         | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized                                                              |                | 2015-06-05 18:04 | d1_synchronization    |
| 5739 | CN REST     | Bug     | New         | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core                                                                                 | Robert Waltz   | 2015-01-19 23:05 |                       |
| 6759 | DataONE API | Story   | New         | Normal   | ObjectFormat Management                                                                                                             | Dave Vieglais  | 2015-01-19 23:17 |                       |
| 1644 | DataONE API | Story   | New         | Normal   | Develop an object format creation policy                                                                                            |                | 2018-01-17 20:46 |                       |
| 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 |                       |
| 7839 | DataONE API | Task    | New         | Normal   | Online documentation places synchronize in CNRead api                                                                               | Dave Vieglais  | 2016-12-21 09:04 | api_documentation     |
| 7838 | DataONE API | Task    | New         | Normal   | Modify the obsolescence chain process to accommodate the use case where both old and new PIDs are present on the CN for v1 MNs      | Dave Vieglais  | 2016-06-29 02:20 |                       |
| 7127 | DataONE API | Task    | New         | Normal   | Finalize CNAuthentication interface                                                                                                 | Dave Vieglais  | 2015-05-21 19:31 | api_documentation     |

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| 1443 | DataONE API    | Task    | New    | Normal   | Identify operational requirements for monitoring and logging                                                                                                                                                 | Dave Vieglais | 2015-01-19 23:06 |                   |
| 1442 | DataONE API    | Task    | New    | Normal   | Identify monitoring and logging use cases and requirements                                                                                                                                                   | Dave Vieglais | 2015-01-19 23:06 |                   |
| 7684 | DataONE API    | Bug     | New    | Low      | Call to MNStorage.update() via REST API returns java.lang.StackOverflowError                                                                                                                                 |               | 2016-03-21 23:07 |                   |
| 7578 | DataONE API    | Bug     | New    | Normal   | Fix 404 link to d1_instance_generator folder in documentation                                                                                                                                                |               | 2016-01-08 22:01 | api_documentation |
| 7528 | DataONE API    | Bug     | New    | Normal   | Incorrect argument name documented for CNCORE.reserveldentier                                                                                                                                                |               | 2015-12-08 19:51 | api_documentation |
| 3658 | DataONE API    | Bug     | New    | Normal   | Deleting objects breaks obsoletes chain traversal                                                                                                                                                            | Chris Jones   | 2015-01-19 22:29 |                   |
| 8583 | DataONE API    | Feature | New    | Normal   | Provide some mechanism for diagnosing correctness of MN certificates                                                                                                                                         | Dave Vieglais | 2018-05-02 03:18 |                   |
| 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 |                   |
| 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 |                   |
| 7925 | DUG            | Task    | New    | Normal   | Data Center certification                                                                                                                                                                                    |               | 2016-11-08 21:33 |                   |
| 7909 | DUG            | Task    | New    | Normal   | DataONE update audio/visual equipment for remote link                                                                                                                                                        |               | 2016-10-11 20:49 |                   |
| 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 |                   |
| 7863 | DUG            | Task    | New    | Normal   | Link to the recordings                                                                                                                                                                                       |               | 2016-08-09 20:40 |                   |
| 7862 | DUG            | Task    | New    | Normal   | DataONE DUG page may need updating ( <a href="https://www.dataone.org/dataone-users-group">https://www.dataone.org/dataone-users-group</a> )                                                                 |               | 2016-08-08 15:00 |                   |
| 7800 | DUG            | Task    | New    | Normal   | abstract reviews ( <a href="https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KV04TeahHVA/edit">https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KV04TeahHVA/edit</a> ) |               | 2016-05-10 15:18 |                   |
| 7533 | DUG            | Task    | New    | Normal   | Create DUG 2016 Meeting page                                                                                                                                                                                 |               | 2015-12-08 21:44 |                   |
| 7532 | DUG            | Task    | New    | Normal   | Registration Form for 2016.                                                                                                                                                                                  |               | 2015-12-08 21:30 |                   |
| 7531 | DUG            | Task    | New    | Normal   | Quote request for EAB meeting                                                                                                                                                                                |               | 2015-12-08 20:13 |                   |
| 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 |                   |
| 7484 | DUG            | Task    | New    | Normal   | DUG Agenda                                                                                                                                                                                                   |               | 2015-11-10 21:39 |                   |
| 7476 | DUG            | Task    | New    | Normal   | Do we need an event management system to better organize the DUG?                                                                                                                                            |               | 2015-11-09 22:43 |                   |
| 7475 | DUG            | Task    | New    | Normal   | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC                                                                                                                           |               | 2015-11-09 22:38 |                   |
| 7474 | DUG            | Task    | New    | Normal   | Draft generic letter of invitation that DUG SC can carry and distribute widely.                                                                                                                              |               | 2015-11-09 22:38 |                   |
| 7473 | DUG            | Task    | New    | Normal   | Draft 2016 DUG annual meeting brochure                                                                                                                                                                       |               | 2015-11-09 22:38 |                   |
| 8869 | Infrastructure | Story   | New    | Normal   | Equivalent identities show owning different amount of packages.                                                                                                                                              | Jing Tao      | 2020-09-24 22:34 | d1_indexer        |

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| 8862 | Infrastructure | Story   | New         | Normal   | Deploy a new dataone-cn-rest release                                                                                    | Jing Tao      | 2020-04-23 16:24 |                         |
| 8857 | Infrastructure | Story   | New         | Normal   | D1Client.getCN() always get the production cn on the CN Tomcat context                                                  | Jing Tao      | 2019-12-13 00:34 | dataone-cn-rest-service |
| 8856 | Infrastructure | Story   | New         | Normal   | Put the system metadata part ahead of the object part when d1_client_python constructs the multipart                    |               | 2019-11-22 18:31 | d1_python               |
| 8855 | Infrastructure | Story   | New         | Normal   | Put the system metadata part ahead of the object part when d1_client_r constructs the multipart                         | Matthew Jones | 2019-11-22 18:29 | d1_client_r             |
| 8854 | Infrastructure | Story   | New         | Normal   | Put the system metadata part ahead of the object part when d1_libclient_java constructs the multipart                   | Jing Tao      | 2019-11-22 18:25 | d1_libclient_java       |
| 8853 | Infrastructure | Story   | New         | Normal   | Make cn.resolve smarter                                                                                                 |               | 2019-11-15 16:50 |                         |
| 8851 | Infrastructure | Story   | New         | Normal   | CN sends error doc with "pid" to v2 endpoint                                                                            | Jing Tao      | 2019-11-06 22:31 | d1_synchronization      |
| 8849 | Infrastructure | Story   | New         | Normal   | During sync, the CN does not detect error returned from getChecksum()                                                   | Jing Tao      | 2019-11-06 22:07 |                         |
| 8848 | Infrastructure | Story   | New         | Normal   | A minor difference of annotation index between CN and MN                                                                |               | 2019-11-01 21:37 |                         |
| 8842 | Infrastructure | Story   | New         | Normal   | Some exceptions in Metacat                                                                                              |               | 2019-09-19 17:53 |                         |
| 8841 | Infrastructure | Story   | New         | Normal   | Solr Index processor don't parse the attributes on the otherEntity on an EML object                                     | Jing Tao      | 2019-09-10 22:41 | d1_indexer              |
| 8837 | Infrastructure | Story   | New         | Normal   | Merge the changes from metacat's feature-project-indexing branch to d1_cn_index_processor                               | Jing Tao      | 2019-08-16 17:18 | d1_indexer              |
| 8823 | Infrastructure | Story   | New         | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                                               | Dave Vieglais | 2019-06-19 02:43 |                         |
| 8806 | Infrastructure | Story   | New         | Normal   | Cleanup from OS upgrades                                                                                                |               | 2019-05-21 12:45 |                         |
| 8796 | Infrastructure | Story   | New         | Normal   | Various issues with service access after upgrade to 18.04                                                               | Jing Tao      | 2019-05-21 12:38 |                         |
| 8791 | Infrastructure | Story   | New         | Normal   | Complete deprecation of ONEMercury interface                                                                            | Rob Nahf      | 2019-05-01 14:00 | d1_mercury              |
| 8782 | Infrastructure | Story   | New         | Normal   | Upgrade OS to Ubuntu 18.04 on CNs                                                                                       | Jing Tao      | 2019-03-22 18:12 |                         |
| 8779 | Infrastructure | Story   | New         | Normal   | ForesiteResourceMap performance issue                                                                                   | Rob Nahf      | 2019-03-25 18:48 | d1_indexer              |
| 8762 | Infrastructure | Story   | New         | Normal   | Add new formats to CN                                                                                                   |               | 2019-02-07 20:03 |                         |
| 8758 | Infrastructure | Story   | New         | Normal   | Index replicationStatus field                                                                                           | Jing Tao      | 2019-01-14 18:00 | d1_indexer              |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue                                                             | Rob Nahf      | 2018-10-30 04:10 | d1_indexer              |
| 8737 | Infrastructure | Story   | New         | Normal   | Submitters and rights-holders with group permissions can't be granted authorization when the sync process validates sid | Jing Tao      | 2018-11-28 17:12 | d1_synchronization      |
| 8736 | Infrastructure | Story   | New         | Normal   | Decouple the index generator to the hazelcast system metadata map                                                       |               | 2019-01-22 19:27 | d1_indexer              |
| 8734 | Infrastructure | Story   | New         | Normal   | Hazelcast shutdown tied to out of memory exception!                                                                     | Rob Nahf      | 2018-10-18 16:55 | Metacat                 |
| 8702 | Infrastructure | Story   | New         | Normal   | Indexing Refactor Strategy                                                                                              | Rob Nahf      | 2018-09-24 18:05 | d1_indexer              |
| 8639 | Infrastructure | Story   | New         | Normal   | Replication performance is too slow to service demand                                                                   | Chris Jones   | 2018-07-04 11:18 | d1_replication          |
| 8602 | Infrastructure | Story   | New         | Normal   | Log aggregation and augmentation process mid 2018 updates                                                               | Dave Vieglais | 2018-06-07 20:49 | d1_log_aggregation      |
| 8540 | Infrastructure | Story   | New         | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor                                                               | Rob Nahf      | 2018-04-12 04:32 | d1_indexer              |

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| 8537 | Infrastructure | Story   | New         | Normal   | indexer doesn't populate SID-defined relationships unless new resourceMap is submitted                                | Rob Nahf      | 2018-04-09 22:51 | d1_indexer                    |
| 8525 | Infrastructure | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization                                                      | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization            |
| 8504 | Infrastructure | Story   | New         | Normal   | Support creation of data citation record from solr record                                                             | Monica Ihli   | 2018-07-17 23:06 | d1_indexer                    |
| 8470 | Infrastructure | Story   | New         | Normal   | Make the spring context of the d1_index_processor daemon more configurable                                            | Jing Tao      | 2018-03-22 16:53 | d1_indexer                    |
| 8368 | Infrastructure | Story   | New         | Normal   | Update backup strategy for jenkins job configurations to subversion                                                   | Dave Vieglais | 2019-01-22 19:25 | Support Operations            |
| 8367 | Infrastructure | Story   | New         | Normal   | Duplicate jenkins jobs from UNM to UCSB                                                                               | Dave Vieglais | 2019-01-22 19:25 | Support Operations            |
| 8366 | Infrastructure | Story   | New         | Normal   | Migrate jenkins continuous integration from UNM to UCSB                                                               | Dave Vieglais | 2019-01-22 19:26 | Support Operations            |
| 8363 | Infrastructure | Story   | New         | Normal   | indexer shutdown generates index tasks                                                                                | Rob Nahf      | 2018-09-24 15:25 | d1_indexer                    |
| 8307 | Infrastructure | Story   | New         | Normal   | Check node subject on node registration and subsequent calls                                                          | Jing Tao      | 2018-02-06 20:06 | d1_cn_node_registry           |
| 8234 | Infrastructure | Story   | New         | Normal   | Use University of Kansas ORCID membership to support authentication in production environment                         | Dave Vieglais | 2018-01-09 19:10 | Authentication, Authorization |
| 8227 | Infrastructure | Story   | In Progress | Normal   | ExceptionHandler regurgitates long html pages into the wrapping ServiceFailure message, which goes into CN log files. | Rob Nahf      | 2018-01-09 19:10 | d1_common_java                |
| 8208 | Infrastructure | Story   | New         | Normal   | Review and adjust memory allocated to d1-index-task-generator and d1-index-task-processor                             |               | 2018-01-09 19:10 |                               |
| 8207 | Infrastructure | Story   | New         | Normal   | review and adjust memory allocated to d1-processing                                                                   |               | 2018-01-09 19:10 |                               |
| 8204 | Infrastructure | Story   | New         | Normal   | Adjust memory allocation for services running under JVM on CNs                                                        |               | 2018-01-09 19:10 |                               |
| 8173 | Infrastructure | Story   | New         | High     | add checks for retrograde systemMetadata changes                                                                      | Jing Tao      | 2018-01-17 18:38 | d1_indexer                    |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates                                                                      | Rob Nahf      | 2018-01-17 18:39 | d1_indexer                    |
| 8167 | Infrastructure | Story   | New         | Normal   | Enable postgres replication between Coordinating Nodes                                                                | Monica Ihli   | 2018-01-09 19:10 | dataone-cn-os-core            |
| 8162 | Infrastructure | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes                                                            | Rob Nahf      | 2018-03-02 21:47 | d1_replication                |
| 8155 | Infrastructure | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API                                                                             | Roger Dahl    | 2018-01-17 18:43 | d1_mn_GMN                     |
| 8109 | Infrastructure | Story   | New         | Normal   | Does authentication token need to include group information?                                                          | Dave Vieglais | 2018-01-17 18:45 | Authentication, Authorization |
| 8097 | Infrastructure | Story   | New         | Normal   | Metacat (storage) and d1-synchronize both have the code to compute the checksum                                       | Jing Tao      | 2018-01-09 19:10 | d1_synchronization            |
| 8084 | Infrastructure | Story   | New         | Normal   | determine the backup strategy for rabbitMQ                                                                            | Rob Nahf      | 2018-01-17 18:46 | d1_indexer                    |
| 8082 | Infrastructure | Story   | New         | Normal   | implement SolrCloudClient to replace HttpService to allow concurrent updates of the solr index from differen machines | Rob Nahf      | 2018-01-09 19:10 | d1_indexer                    |
| 8081 | Infrastructure | Story   | In Progress | Normal   | develop federated broker configuration for indexing                                                                   | Rob Nahf      | 2018-01-17 18:46 | d1_indexer                    |
| 8061 | Infrastructure | Story   | New         | Normal   | develop queue-based processing system for the CN                                                                      | Rob Nahf      | 2018-01-17 19:00 | Architecture Design           |

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| 8049 | Infrastructure | Story   | In Progress | Normal   | Support synchronization of system metadata for unhosted METADATA and RES_MAP objects                                 |               | 2018-01-17 18:50 | Architecture Design        |
| 8044 | Infrastructure | Story   | New         | Normal   | certificate manager should check expiration of CAs it loads into the trust manager.                                  | Rob Nahf      | 2018-01-09 19:10 | d1_libclient_java          |
| 8038 | Infrastructure | Story   | In Progress | Normal   | connect logging output to a log analysis tool                                                                        | Dave Vieglais | 2018-01-17 18:52 | d1_synchronization         |
| 8036 | Infrastructure | Story   | New         | Normal   | synchronization should respond to various MN down conditions to avoid syncFailures                                   | Rob Nahf      | 2018-01-17 18:55 | d1_synchronization         |
| 8022 | Infrastructure | Story   | New         | Normal   | d1_log_aggregation has different version of Hazelcast than the rest of CN stack. Hazelcast version very out of date. | Rob Nahf      | 2018-01-09 19:10 | d1_log_aggregation         |
| 7940 | Infrastructure | Story   | New         | Normal   | Retrieval of system metadata is too slow                                                                             | Robert Waltz  | 2018-01-09 19:10 | d1_cn_service              |
| 7920 | Infrastructure | Story   | In Progress | Normal   | migrate apache2 authorization rules from 2.2 conforming to 2.4                                                       | Dave Vieglais | 2018-01-17 18:59 | d1_cn_buildout             |
| 7889 | Infrastructure | Story   | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.                                             | Rob Nahf      | 2018-01-17 19:01 | d1_synchronization         |
| 7882 | Infrastructure | Story   | In Progress | Normal   | Tune CN logfile management                                                                                           | Dave Vieglais | 2018-01-17 19:03 |                            |
| 7859 | Infrastructure | Story   | New         | Normal   | Add formatID for the STL 3d model file format                                                                        | Dave Vieglais | 2018-01-17 19:04 |                            |
| 7832 | Infrastructure | Story   | In Progress | Normal   | migrate from JibX to JAXB for XML binding / codegen                                                                  | Rob Nahf      | 2018-01-17 19:06 | d1_common_java             |
| 7810 | Infrastructure | Story   | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation                                         | Rob Nahf      | 2018-01-17 19:09 |                            |
| 7807 | Infrastructure | Story   | New         | Low      | cn.synchronize should support synchronization failure corrections.                                                   |               | 2018-01-17 19:15 | Architecture Design        |
| 7716 | Infrastructure | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?                                                                     | Dave Vieglais | 2018-01-17 19:22 | d1_synchronization         |
| 7713 | Infrastructure | Story   | New         | Normal   | d1DebConfig.xml should be versioned in dataone-cn-os-core                                                            | Rob Nahf      | 2018-01-17 19:24 | d1_cn_buildout             |
| 7712 | Infrastructure | Story   | New         | Normal   | Sanparks fails during LogAggregation                                                                                 | Laura Moyers  | 2016-04-06 16:43 | Environment.Productio<br>n |
| 7668 | Infrastructure | Story   | New         | Normal   | Determine how indexing of data packages should work                                                                  | Jing Tao      | 2018-01-17 19:28 | d1_indexer                 |
| 7650 | Infrastructure | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy                                                  | Rob Nahf      | 2018-01-17 19:31 | d1_cn_common               |
| 7640 | Infrastructure | Story   | New         | Normal   | ONEShare failing with ServiceFailure                                                                                 | Laura Moyers  | 2016-02-12 16:39 | Environment.Productio<br>n |
| 7611 | Infrastructure | Story   | New         | Normal   | ORNLDAAC fails during log aggregation                                                                                | Laura Moyers  | 2016-01-26 16:39 | Environment.Productio<br>n |
| 7605 | Infrastructure | Story   | New         | Normal   | MemberNodes not authorizing CN to harvest log records                                                                | Dave Vieglais | 2018-01-17 19:33 | Environment.Productio<br>n |
| 7559 | Infrastructure | Story   | New         | Normal   | Develop plan for securing application passwords in the CN stack                                                      | Dave Vieglais | 2018-01-17 19:34 | Architecture Design        |
| 7407 | Infrastructure | Story   | In Progress | Normal   | object formats in the d1_common_java bootstrap list are inconsistent with production                                 | Dave Vieglais | 2016-03-15 16:49 | d1_indexer                 |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                               | Assignee      | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---------------------------------------------------------------------------------------|---------------|------------------|-------------------------------|
| 7358 | Infrastructure | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry                                | Dave Vieglais | 2016-12-21 09:05 | Authentication, Authorization |
| 7224 | Infrastructure | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option        |               | 2018-01-17 19:38 | Architecture Design           |
| 7183 | Infrastructure | Story   | New         | Normal   | Update wild card server certificate on all test.dataone.org systems                   | Dave Vieglais | 2015-06-15 15:10 | Support Operations            |
| 6883 | Infrastructure | Story   | New         | Normal   | support for ESRI Shapefile object format                                              |               | 2018-01-17 19:40 | Format ID                     |
| 6543 | Infrastructure | Story   | New         | Normal   | Support RIF-CS metadata standard                                                      | Dave Vieglais | 2018-01-17 19:46 | Format ID                     |
| 6513 | Infrastructure | Story   | New         | Normal   | Create a Local Cache of all Membernode log records on the single master CN            | Dave Vieglais | 2018-01-17 19:49 | d1_log_aggregation            |
| 6395 | Infrastructure | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                    | Rob Nahf      | 2018-01-17 19:51 | MNWebChecker                  |
| 6377 | Infrastructure | Story   | In Progress | Normal   | Review CNode initialization in ReplicationManager - it doesn't use local CN reference | Rob Nahf      | 2018-01-17 19:52 | d1_replication                |
| 6071 | Infrastructure | Story   | In Progress | Normal   | Release Notes and documentation                                                       | Dave Vieglais | 2018-01-17 19:53 | Documentation                 |
| 6069 | Infrastructure | Story   | New         | Normal   | open ask.dataone.org sign-in to community                                             | Dave Vieglais | 2014-10-01 20:39 | Documentation                 |
| 6056 | Infrastructure | Story   | New         | Normal   | remove log aggregation processing from d1-processing Linux service                    | Dave Vieglais | 2018-01-17 19:55 | d1_log_aggregation            |
| 5141 | Infrastructure | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document                    | Dave Vieglais | 2018-01-17 19:58 | Documentation                 |
| 4650 | Infrastructure | Story   | New         | Normal   | Allow MN to bias resolve to the authoritative MN                                      | Rob Nahf      | 2018-01-17 20:00 | d1_cn_common                  |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing                       | Rob Nahf      | 2018-01-17 20:03 | d1_replication                |
| 4278 | Infrastructure | Story   | New         | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements          | Jing Tao      | 2018-01-17 20:04 | d1_indexer                    |
| 4188 | Infrastructure | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification                | Dave Vieglais | 2018-01-17 20:05 | d1_schemas                    |
| 4091 | Infrastructure | Story   | New         | Normal   | ESRI GeoPortal MN stack                                                               |               | 2013-10-15 13:36 |                               |
| 4052 | Infrastructure | Story   | In Progress | Normal   | OPeNDAP MN Story                                                                      |               | 2013-10-06 20:07 | mn.OPeNDAP                    |
| 3720 | Infrastructure | Story   | New         | Normal   | resource maps should be validated                                                     | Dave Vieglais | 2018-01-17 20:17 | Documentation                 |
| 3656 | Infrastructure | Story   | New         | Normal   | integration testing: what are acceptable pids for update?                             | Roger Dahl    | 2018-01-17 20:22 |                               |
| 3591 | Infrastructure | Story   | In Progress | Normal   | Content consistency checks for new member nodes                                       | Rob Nahf      | 2018-01-17 20:23 | MNWebChecker                  |
| 2944 | Infrastructure | Story   | New         | Normal   | Design and implement a MN kill switch mechanism                                       | Dave Vieglais | 2018-01-17 20:30 | Support Operations            |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                   | Assignee      | Updated          | Category                      |
|------|----------------|---------|-------------|----------|-------------------------------------------------------------------------------------------|---------------|------------------|-------------------------------|
| 2548 | Infrastructure | Story   | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users            |               | 2018-01-17 20:36 | Authentication, Authorization |
| 2488 | Infrastructure | Story   | New         | Normal   | Changing the authoritativeMembernode will require all replica's systemMetadata be updated | Dave Vieglais | 2018-01-17 20:39 | d1_synchronization            |
| 725  | Infrastructure | Story   | In Progress | Normal   | Create Authentication and Access control design specifications                            | Dave Vieglais | 2018-01-17 20:52 | Documentation                 |
| 8858 | Infrastructure | Task    | New         | Normal   | Update CN Apache configs in version control with directives to support sitemaps           | Bryce Mecum   | 2020-02-24 19:26 |                               |
| 8824 | Infrastructure | Task    | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs                                          | Dave Vieglais | 2019-06-19 12:11 |                               |
| 8817 | Infrastructure | Task    | New         | Normal   | Configure sitemaps on the CN                                                              | Jing Tao      | 2020-03-12 18:30 |                               |
| 8811 | Infrastructure | Task    | New         | Normal   | Merge 2.3.9 changes to trunk                                                              | Jing Tao      | 2019-05-21 13:06 |                               |
| 8808 | Infrastructure | Task    | New         | Normal   | Remove old versions of Tomcat                                                             |               | 2019-05-21 12:49 |                               |
| 8807 | Infrastructure | Task    | New         | Normal   | remove old versions of postgres                                                           |               | 2019-05-21 12:47 |                               |
| 8804 | Infrastructure | Task    | New         | Normal   | Add ldap backup config to cn os-core                                                      | Dave Vieglais | 2019-05-21 12:32 | dataone-cn-os-core            |
| 8793 | Infrastructure | Task    | New         | Normal   | Replace ONEMercury installation                                                           |               | 2019-05-01 14:04 |                               |
| 8792 | Infrastructure | Task    | New         | Normal   | Create landing page for redirection from ONEMercury                                       |               | 2019-05-01 14:03 |                               |
| 8775 | Infrastructure | Task    | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive                               | Bryce Mecum   | 2019-03-11 23:35 |                               |
| 8755 | Infrastructure | Task    | New         | Normal   | Expand EML indexing support for EML 2.2                                                   | Bryce Mecum   | 2019-08-15 01:50 |                               |
| 8754 | Infrastructure | Task    | New         | Normal   | Add EML 2.2 to CN formats list                                                            | Bryce Mecum   | 2018-12-19 00:54 |                               |
| 8753 | Infrastructure | Task    | New         | Normal   | Add support for EML 2.2 (indexing, view)                                                  | Bryce Mecum   | 2018-12-19 00:54 |                               |
| 8747 | Infrastructure | Task    | New         | Normal   | Adjust package configuration to persist changes between updates                           | Dave Vieglais | 2018-11-16 17:32 |                               |
| 8746 | Infrastructure | Task    | New         | Normal   | Require email address from user when logging in via ORCID                                 |               | 2018-11-16 05:57 |                               |
| 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             |
| 8703 | Infrastructure | Task    | New         | Normal   | test the cleaned up indexer in DEV                                                        | Rob Nahf      | 2018-09-24 18:05 | d1_indexer                    |
| 8604 | Infrastructure | Task    | New         | Normal   | Update the static IP lists for robots etc                                                 | Dave Vieglais | 2018-06-07 20:56 | d1_log_aggregation            |
| 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            |
| 8507 | Infrastructure | Task    | New         | Normal   | Support generation of citation metadata records from dublin core                          |               | 2018-03-19 22:37 |                               |



| #    | Project        | Tracker | Status      | Priority | Subject                                                                                                                           | Assignee      | Updated          | Category                      |
|------|----------------|---------|-------------|----------|-----------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------------------------|
| 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 |                               |
| 8505 | Infrastructure | Task    | New         | Normal   | Review solr terms for coverage of data citation elements                                                                          | Monica Ihli   | 2018-03-19 21:57 |                               |
| 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 |                               |
| 8369 | Infrastructure | Task    | New         | Normal   | Verify operation and transfer DNS                                                                                                 | Dave Vieglais | 2018-02-15 17:40 |                               |
| 8362 | Infrastructure | Task    | New         | Normal   | Add the indication that the cn account list is sliced                                                                             |               | 2018-02-12 17:48 |                               |
| 8308 | Infrastructure | Task    | New         | Normal   | Review use of /node/subject in the node documents                                                                                 |               | 2018-02-06 20:05 |                               |
| 8238 | Infrastructure | Task    | New         | Normal   | Document contacts and procedure for using KU ORCID membership API key                                                             | Dave Vieglais | 2018-01-09 02:22 | Authentication, Authorization |
| 8237 | Infrastructure | Task    | New         | Normal   | Configure production environment to use new API key under KU ORCID membership                                                     | Dave Vieglais | 2018-01-09 02:21 | Authentication, Authorization |
| 8236 | Infrastructure | Task    | New         | Normal   | Acquire ORCID API key under KU membership                                                                                         | Dave Vieglais | 2018-01-09 02:21 |                               |
| 8235 | Infrastructure | Task    | New         | Normal   | Arrange with KU library to make use of ORCID membership to support DataONE authentication                                         | Dave Vieglais | 2018-01-09 02:01 |                               |
| 8230 | Infrastructure | Task    | New         | Normal   | review bouncy castle version                                                                                                      | Rob Nahf      | 2018-03-02 21:48 | d1_libclient_java             |
| 8224 | Infrastructure | Task    | New         | Normal   | metacat not promoting node token privs for solr                                                                                   | Jing Tao      | 2017-12-04 19:33 | Metacat                       |
| 8222 | Infrastructure | Task    | New         | Normal   | reindex all isotc211 content in production to reflect final decisions from origin field mapping                                   | Dave Vieglais | 2018-03-22 16:56 | d1_indexer                    |
| 8206 | Infrastructure | Task    | New         | Normal   | Review and adjust memory allocation to Solr and zookeeper                                                                         |               | 2017-10-24 16:03 |                               |
| 8205 | Infrastructure | Task    | New         | Normal   | Adjust memory allocation to Tomcat7 on CNs                                                                                        |               | 2017-10-24 15:33 |                               |
| 8171 | Infrastructure | Task    | New         | Normal   | Document hazelcast components to be moved to postgres storage                                                                     | Monica Ihli   | 2017-09-01 15:25 |                               |
| 8170 | Infrastructure | Task    | New         | Normal   | Identify the components that are currently managed in LDAP on the Coordinating Nodes and how these may be migrated to postgres    | Monica Ihli   | 2017-09-01 15:20 |                               |
| 8169 | Infrastructure | Task    | New         | Normal   | Document process for changing the postgres master                                                                                 | Monica Ihli   | 2017-09-01 15:09 |                               |
| 8168 | Infrastructure | Task    | New         | Normal   | Evaluate options for postgres replication configuration                                                                           | Monica Ihli   | 2017-09-01 15:11 |                               |
| 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 |                               |
| 8150 | Infrastructure | Task    | New         | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata                                                         | Jing Tao      | 2017-07-19 21:27 |                               |
| 8105 | Infrastructure | Task    | New         | Normal   | Remove dataone-mercury from production CNs                                                                                        | Jing Tao      | 2018-03-02 22:17 | d1_mercury                    |
| 8104 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat                                                                                       | Jing Tao      | 2017-06-02 20:58 | Metacat                       |
| 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                 |
| 8102 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Portal                                                                                        | Jing Tao      | 2017-06-02 20:53 | d1_portal                     |
| 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            |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                                    | Assignee      | Updated          | Category               |
|------|----------------|---------|-------------|----------|------------------------------------------------------------------------------------------------------------|---------------|------------------|------------------------|
| 8086 | Infrastructure | Task    | In Progress | Normal   | upgrade Spring dependencies                                                                                | Rob Nahf      | 2019-07-25 20:32 | d1_indexer             |
| 8080 | Infrastructure | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic                         | Rob Nahf      | 2017-05-09 22:55 | d1_indexer             |
| 8079 | Infrastructure | Task    | In Progress | Normal   | prototype durable task processing for d1_index_processor                                                   | Rob Nahf      | 2017-04-26 05:45 | d1_indexer             |
| 8078 | Infrastructure | Task    | New         | Normal   | standardize task serialization for language independence                                                   | Rob Nahf      | 2017-04-25 22:39 | d1_indexer             |
| 8070 | Infrastructure | Task    | New         | Normal   | Consolidate the index application-context files                                                            | Jing Tao      | 2017-04-13 12:51 |                        |
| 8066 | Infrastructure | Task    | New         | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest                                             | Dave Vieglais | 2017-04-11 23:47 | d1_indexer             |
| 8026 | Infrastructure | Task    | Testing     | High     | Portal reaches the maximum capacity in a pool                                                              | Jing Tao      | 2017-03-14 00:36 | d1_portal_servlet      |
| 7958 | Infrastructure | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN                                      | Rob Nahf      | 2017-01-04 17:23 | d1_synchronization     |
| 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 |                        |
| 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             |
| 7922 | Infrastructure | Task    | New         | Normal   | DataONE Accessibility                                                                                      | Isis Serna    | 2016-10-31 23:05 |                        |
| 7910 | Infrastructure | Task    | New         | Normal   | schema validation behavior                                                                                 | Rob Nahf      | 2018-01-18 02:41 | d1_common_java         |
| 7890 | Infrastructure | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories                                         | Rob Nahf      | 2017-04-19 19:12 |                        |
| 7884 | Infrastructure | Task    | New         | Normal   | CN portal log is misconfigured                                                                             | Rob Nahf      | 2016-09-09 20:18 | d1_portal_servlet      |
| 7883 | Infrastructure | Task    | New         | Normal   | Document the log files of relevance on Coordinating Nodes                                                  |               | 2016-09-09 20:20 |                        |
| 7850 | Infrastructure | Task    | New         | Normal   | Passing SID to MNRRead.systemMetadataChanged()                                                             | Dave Vieglais | 2016-07-20 20:00 |                        |
| 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      |
| 7774 | Infrastructure | Task    | New         | Normal   | GMN: Move to Let's Encrypt                                                                                 |               | 2016-05-09 22:16 |                        |
| 7767 | Infrastructure | Task    | New         | Normal   | In DataONE search results, move map display to map extent                                                  | Dave Vieglais | 2016-05-04 18:31 |                        |
| 7744 | Infrastructure | Task    | New         | Normal   | put together initial design                                                                                |               | 2016-06-22 17:19 |                        |
| 7641 | Infrastructure | Task    | New         | Normal   | contact ONEShare                                                                                           | Laura Moyers  | 2016-02-12 16:40 | Environment.Production |
| 7612 | Infrastructure | Task    | In Progress | Normal   | Contact ORNLDAAC                                                                                           | Laura Moyers  | 2016-02-11 18:02 | Environment.Production |
| 7607 | Infrastructure | Task    | New         | Normal   | LTER_EUROPE refuses the production CN from harvesting log records                                          | Laura Moyers  | 2016-06-09 16:34 | Environment.Production |
| 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 |
| 7538 | Infrastructure | Task    | New         | Normal   | look at nodeFactory in how it builds mock CNodes                                                           | Rob Nahf      | 2015-12-10 17:03 | d1_libclient_java      |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                               | Assignee          | Updated          | Category            |
|------|----------------|---------|-------------|----------|-------------------------------------------------------------------------------------------------------|-------------------|------------------|---------------------|
| 7537 | Infrastructure | Task    | New         | Normal   | add nodelist refreshes to NodeLocator classes                                                         | Rob Nahf          | 2015-12-10 16:59 | d1_libclient_java   |
| 7466 | Infrastructure | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API                                                    | Chris Jones       | 2015-11-05 16:11 | Metacat             |
| 7279 | Infrastructure | Task    | New         | Normal   | MN implementation documentation - need document management solution                                   | Dave Vieglais     | 2015-07-28 22:24 | Documentation       |
| 7184 | Infrastructure | Task    | New         | Normal   | Create an Ansible script that can replace a server certificate                                        | Nick Outin        | 2015-06-15 15:10 | Support Operations  |
| 7177 | Infrastructure | Task    | New         | Normal   | Develop video documentation for certificate management                                                | Dave Vieglais     | 2015-06-10 01:33 | Documentation       |
| 7176 | Infrastructure | Task    | New         | Normal   | Develop textual documentation for certificate management                                              | Dave Vieglais     | 2015-06-10 01:33 | Documentation       |
| 7104 | Infrastructure | Task    | New         | Normal   | Event index reindexing shouldn't require re-harvest from MNs                                          |                   | 2015-07-09 15:34 | d1_log_aggregation  |
| 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       |
| 6877 | Infrastructure | Task    | New         | Normal   | Support for ISO 19115 metadata standard                                                               |                   | 2015-03-10 18:08 | Format ID           |
| 6876 | Infrastructure | Task    | New         | Normal   | Support for ISO 19139 metadata standard                                                               |                   | 2015-03-10 17:27 | Format ID           |
| 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          |
| 6761 | Infrastructure | Task    | New         | Normal   | unregister extraneous nodes in STAGE-2                                                                |                   | 2015-01-14 00:49 | Environment.Stage2  |
| 6760 | Infrastructure | Task    | New         | Normal   | rename mnDemo9 node                                                                                   |                   | 2015-01-14 00:44 |                     |
| 6754 | Infrastructure | Task    | New         | Normal   | Architecture API loose ends                                                                           | Dave Vieglais     | 2015-01-13 18:54 | Architecture Design |
| 6706 | Infrastructure | Task    | New         | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"                       | Robert Waltz      | 2015-10-09 17:38 | Environment.Sandbox |
| 6624 | Infrastructure | Task    | New         | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page                                         |                   | 2014-11-21 20:29 | Documentation       |
| 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 |                     |
| 6565 | Infrastructure | Task    | New         | Normal   | Configure Jenkins jobs for ezid (ezid-client)                                                         | Rob Nahf          | 2014-12-15 18:36 |                     |
| 6514 | Infrastructure | Task    | New         | Normal   | Reharvest all Records to build initial cache                                                          | Robert Waltz      | 2015-01-13 15:56 | d1_log_aggregation  |
| 6483 | Infrastructure | Task    | New         | Normal   | DataONE xsede VM at ORC                                                                               | Michael Campfield | 2014-10-24 10:54 |                     |
| 6478 | Infrastructure | Task    | New         | Normal   | move mncheck VM to a different VMhost                                                                 | Dave Vieglais     | 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        |
| 6398 | Infrastructure | Task    | New         | Normal   | update MNWebTest operations docs                                                                      | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker        |
| 6397 | Infrastructure | Task    | New         | Normal   | test that it works from standalone .war                                                               | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker        |
| 6396 | Infrastructure | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally                                          | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker        |
| 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  |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                          | Assignee          | Updated          | Category                   |
|------|----------------|---------|-------------|----------|--------------------------------------------------------------------------------------------------|-------------------|------------------|----------------------------|
| 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 |                            |
| 6378 | Infrastructure | Task    | Testing     | Normal   | code up the new strategy                                                                         | Rob Nahf          | 2016-06-22 16:53 | d1_replication             |
| 6376 | Infrastructure | Task    | New         | Normal   | test the new strategy against working ReplicationManager test                                    | Rob Nahf          | 2016-06-22 16:53 | d1_replication             |
| 6375 | Infrastructure | Task    | In Progress | Normal   | Refactor out dependency on a working CN                                                          | Rob Nahf          | 2016-06-22 16:53 | d1_replication             |
| 6372 | Infrastructure | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests                                                     | Rob Nahf          | 2016-06-22 16:53 | d1_replication             |
| 6367 | Infrastructure | Task    | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array                                                     | Nick Outin        | 2014-09-08 20:19 | Hardware                   |
| 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              |
| 6168 | Infrastructure | Task    | New         | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure                                     | Chris Jones       | 2014-08-29 16:01 | d1_cn_service              |
| 6167 | Infrastructure | Task    | New         | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case       | Dave Vieglais     | 2014-10-02 17:21 | 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              |
| 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        |
| 6026 | Infrastructure | Task    | In Progress | Normal   | d1_common CCI 2.0 support                                                                        | Roger Dahl        | 2014-08-01 15:49 | d1_common_python           |
| 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                   |
| 5531 | Infrastructure | Task    | Testing     | Normal   | Provide overview of replication process for MN implementors                                      | Matthew Jones     | 2014-10-02 17:21 | Documentation              |
| 5498 | Infrastructure | Task    | New         | Normal   | Determine the cause of the Jun2014 cn-orc-1 out of memory issue                                  | Michael Campfield | 2014-10-31 19:11 | Environment.Productio<br>n |
| 5137 | Infrastructure | Task    | New         | Normal   | Fix DataONE CA chain file location in cn-buildout                                                | Chris Jones       | 2014-04-25 15:06 | d1_cn_buildout             |
| 5136 | Infrastructure | Task    | New         | Normal   | Change DNS seetings on all DataONE VMs                                                           | Chris Jones       | 2014-05-08 03:16 | Environment.Productio<br>n |
| 4723 | Infrastructure | Task    | New         | Normal   | MN recognition of CN                                                                             | Dave Vieglais     | 2014-10-02 17:21 |                            |
| 4722 | Infrastructure | Task    | New         | Normal   | Clarify permissions for CN                                                                       | Dave Vieglais     | 2014-10-02 17:21 |                            |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate                                                                    | Chris Jones       | 2014-09-24 18:14 | Environment.Productio<br>n |
| 4717 | Infrastructure | Task    | New         | Normal   | refresh client certificate for mn-unm-2.dataone.org                                              |                   | 2014-09-24 18:14 |                            |

| #    | Project        | Tracker | Status      | Priority  | Subject                                                                                                   | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|-----------|-----------------------------------------------------------------------------------------------------------|-------------------|------------------|------------------------|
| 4716 | Infrastructure | Task    | In Progress | Normal    | refresh client certificate for urn:node:DRYAD                                                             | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 4715 | Infrastructure | Task    | In Progress | Normal    | Refresh client certificate for urn:node:CLOAKN                                                            | Chris Jones       | 2014-09-24 18:14 |                        |
| 4714 | Infrastructure | Task    | In Progress | Normal    | Refresh client certificate for MN urn:node:TFRI                                                           | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 4713 | Infrastructure | Task    | New         | Normal    | replace SSL cert fo cn-orc-1.dataone.org                                                                  |                   | 2014-09-24 18:14 |                        |
| 4712 | Infrastructure | Task    | New         | Normal    | replace SSL cert for cn-ucsb-1.dataone.org                                                                |                   | 2014-09-24 18:14 |                        |
| 4711 | Infrastructure | Task    | New         | Normal    | replace SSL Certs for cn-unm-1.dataone.org                                                                |                   | 2014-09-24 18:14 |                        |
| 4704 | Infrastructure | Task    | New         | Normal    | Create a view of MN holdings from a CN perspective                                                        | Dave Vieglais     | 2014-04-09 15:33 |                        |
| 4675 | Infrastructure | Task    | New         | Normal    | Administratively delete those pids with the white spaces                                                  |                   | 2014-09-24 18:09 |                        |
| 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     |
| 4210 | Infrastructure | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()                        | Chris Jones       | 2013-12-20 16:12 | Metacat                |
| 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 |
| 4192 | Infrastructure | Task    | In Progress | Normal    | Notify MN implementations of the discrepancy in exception definition                                      | Dave Vieglais     | 2014-09-24 18:28 | Management             |
| 4190 | Infrastructure | Task    | New         | Normal    | Update architecture docs to import dataoneErrors.xsd                                                      | Dave Vieglais     | 2014-09-24 18:28 | Documentation          |
| 4189 | Infrastructure | Task    | In Progress | Normal    | Update dataoneErrors.xsd to match the documentation                                                       | Dave Vieglais     | 2017-01-14 00:24 | d1_schemas             |
| 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            |
| 4136 | Infrastructure | Task    | In Progress | Normal    | Make cosmetic changes to the distribution map                                                             | Chris Jones       | 2014-03-31 17:41 | d1_dashboard           |
| 4125 | Infrastructure | Task    | New         | Normal    | Mock up an informational section of the Member Node detail view                                           | Chris Jones       | 2014-03-31 17:41 | d1_dashboard           |
| 4120 | Infrastructure | Task    | New         | Normal    | Display total data downloads in the SummaryView header                                                    | Skye Roseboom     | 2014-03-31 17:41 | d1_dashboard           |
| 4102 | Infrastructure | Task    | New         | Normal    | Add expiration policy for CNCCore.reserveldentifier()                                                     | Dave Vieglais     | 2014-10-02 17:21 | Documentation          |
| 4098 | Infrastructure | Task    | New         | Normal    | Synchronization should allow valid replicas held by MNs to set obsoleteBy and archive flags               | Dave Vieglais     | 2014-07-31 22:23 | d1_synchronization     |
| 4059 | Infrastructure | Task    | New         | Normal    | Add test to verify node is reporting correct nodeId in log records                                        | Rob Nahf          | 2013-10-07 19:10 |                        |
| 4053 | Infrastructure | Task    | In Progress | Normal    | Architect OPeNDAP MN                                                                                      | Dave Vieglais     | 2013-10-06 20:11 | mn.OPeNDAP             |
| 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           |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                                    | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|------------------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------------|
| 3974 | Infrastructure | Task    | New         | Normal   | Complete agenda for meeting                                                                                | Dave Vieglaiss | 2013-09-11 20:59 |                               |
| 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                  |
| 3907 | Infrastructure | Task    | New         | Normal   | MN Integration Test - verify system metadata returned matches expected                                     | Rob Nahf       | 2013-08-09 18:48 | d1_integration                |
| 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 Vieglaiss | 2013-08-09 11:57 | Documentation                 |
| 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 |                               |
| 3891 | Infrastructure | Task    | New         | Normal   | review vulnerability to BREACH attacks                                                                     | Dave Vieglaiss | 2013-08-07 15:01 | Authentication, Authorization |
| 3881 | Infrastructure | Task    | New         | Normal   | 4.2.1.4 Definition of Verified User Lacking                                                                | Dave Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 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        |
| 3878 | Infrastructure | Task    | New         | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation                                                              | Dave Vieglaiss | 2014-09-24 18:27 |                               |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features                                                                                 | Chris Jones    | 2013-09-12 20:04 | Environment.Production        |
| 3811 | Infrastructure | Task    | New         | Normal   | Document the "non-standard" certificates being used for accessing content in DataONE and it's member nodes | Rob Nahf       | 2014-09-24 18:27 | Support Operations            |
| 3810 | Infrastructure | Task    | New         | Normal   | Identify and setup location for user oriented operational docs                                             | Dave Vieglaiss | 2014-09-24 18:27 | Support Operations            |
| 3807 | Infrastructure | Task    | New         | Normal   | Add documentation for Types.QueryEngineDescription                                                         | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 3768 | Infrastructure | Task    | New         | Normal   | Add canonical DataONE description paper to citing DataONE web-page                                         | Amber Budden   | 2013-05-16 22:20 | Community Engagement          |
| 3763 | Infrastructure | Task    | New         | Low      | Visualize PyPI download statistics for Python components                                                   | Roger Dahl     | 2014-10-01 21:32 | d1_dashboard                  |
| 3757 | Infrastructure | Task    | New         | Normal   | Verify Log reporting in MN Tester                                                                          | Rob Nahf       | 2013-05-10 17:42 | d1_integration                |
| 3728 | Infrastructure | Task    | New         | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata    | Dave Vieglaiss | 2014-09-24 18:27 | Documentation                 |
| 3643 | Infrastructure | Task    | New         | Normal   | Decide on future of stage-2 environment                                                                    | Robert Waltz   | 2015-01-14 00:41 |                               |
| 3635 | Infrastructure | Task    | New         | Normal   | Phase two Morpho implementation                                                                            | Ben Leinfelder | 2013-03-25 22:49 |                               |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                                       | Assignee       | Updated          | Category                   |
|------|----------------|---------|-------------|----------|---------------------------------------------------------------------------------------------------------------|----------------|------------------|----------------------------|
| 3626 | Infrastructure | Task    | New         | Normal   | Metacat should use correct object format for ESRI profile metadata                                            | Ben Leinfelder | 2013-02-27 23:56 | Metacat                    |
| 3625 | Infrastructure | Task    | New         | Normal   | Update existing SANParks doctype="metadata" objects to new ESRI/FGDC objectFormatId                           | Ben Leinfelder | 2013-02-27 23:44 | Environment.Productio<br>n |
| 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                    |
| 3612 | Infrastructure | Task    | New         | Normal   | CN SystemMetadata has incomplete obsoletedBy information                                                      | Ben Leinfelder | 2013-03-08 17:43 | Environment.Productio<br>n |
| 3610 | Infrastructure | Task    | In Progress | Normal   | Include ESRI-specific FGDC metadata schema in object format list                                              | Chris Jones    | 2013-07-03 00:23 | Environment.Productio<br>n |
| 3598 | Infrastructure | Task    | New         | Normal   | Node document subject description is a bit unclear                                                            | Dave Vieglais  | 2014-10-02 17:21 | Documentation              |
| 3596 | Infrastructure | Task    | New         | Normal   | Fix Merritt Repository resource map typing of triple objects                                                  | John Kunze     | 2013-02-19 02:27 | mn.Merritt                 |
| 3577 | Infrastructure | Task    | New         | Normal   | Confusing message about "Ignored Tests present".                                                              | Rob Nahf       | 2013-02-14 22:36 | MNWebChecker               |
| 3512 | Infrastructure | Task    | New         | Normal   | Issue production client certificates for mn-{ucs orc unm}-2.dataone.org replica target nodes                  | Dave Vieglais  | 2013-01-23 16:34 | Environment.Productio<br>n |
| 3511 | Infrastructure | Task    | New         | Normal   | Issue certificates from D1TestIntCA for stage environment nodes, and revoke certificates signed by D1TestCA   | Chris Jones    | 2014-09-24 18:25 | Support Operations         |
| 3510 | Infrastructure | Task    | New         | Normal   | Issue certificates from D1TestIntCA for sandbox environment nodes, and revoke certificates signed by D1TestCA | Chris Jones    | 2014-09-24 18:25 | Support Operations         |
| 3509 | Infrastructure | Task    | New         | Normal   | Issue certificates from D1TestIntCA for dev environment nodes, and revoke certificates signed by D1TestCA     | Chris Jones    | 2014-09-24 18:25 | Support Operations         |
| 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 |                            |
| 3488 | Infrastructure | Task    | New         | Normal   | Create custom merge policy to support managing data/information inconsistency                                 | Chris Jones    | 2014-03-14 17:27 | Metacat                    |
| 3468 | Infrastructure | Task    | New         | Normal   | Explore how CN.listObject can effectively use auto-incremented key                                            | Ben Leinfelder | 2013-01-08 18:35 | Documentation              |
| 3467 | Infrastructure | Task    | New         | Normal   | MN.listObject should use auto-incremented key                                                                 | Ben Leinfelder | 2013-01-08 18:31 | Metacat                    |
| 3466 | Infrastructure | Task    | New         | Normal   | Add synthetic key to systemMetadata table                                                                     | Ben Leinfelder | 2013-01-08 18:30 |                            |
| 3465 | Infrastructure | Task    | New         | Normal   | Improve Metacat listObject slicing                                                                            | Ben Leinfelder | 2013-01-08 18:54 | Metacat                    |
| 3438 | Infrastructure | Task    | New         | Normal   | Evaluate utility of schema.org                                                                                |                | 2012-12-21 16:15 | Documentation              |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header                                                       | Chris Jones    | 2013-02-21 18:41 | Metacat                    |
| 3380 | Infrastructure | Task    | New         | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x                                                                     | Dave Vieglais  | 2012-12-12 16:50 |                            |
| 3373 | Infrastructure | Task    | New         | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.                                                 |                | 2012-11-06 02:05 |                            |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                                         | Assignee       | Updated          | Category           |
|------|----------------|---------|-------------|----------|-----------------------------------------------------------------------------------------------------------------|----------------|------------------|--------------------|
| 3371 | Infrastructure | Task    | New         | Normal   | unmarshalTypeFromFile method is using FileReader                                                                |                | 2012-10-29 19:15 |                    |
| 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            |
| 3333 | Infrastructure | Task    | New         | Low      | Generalize mk_* scripts for host name                                                                           | Dave Vieglais  | 2012-10-11 18:50 | Support Operations |
| 3332 | Infrastructure | Task    | In Progress | Normal   | Revise use cases and add sample code                                                                            | Dave Vieglais  | 2014-09-24 18:27 | Documentation      |
| 3328 | Infrastructure | Task    | New         | Normal   | Enable a data preview from the search results page                                                              | Chris Jones    | 2012-10-23 19:34 | d1_mercury         |
| 3315 | Infrastructure | Task    | New         | Normal   | CNRead.query() - POST in addition to GET                                                                        | Dave Vieglais  | 2014-10-02 17:21 | Documentation      |
| 3314 | Infrastructure | Task    | New         | Normal   | CNRead.getQueryEngineDescription() - REST URL                                                                   | Dave Vieglais  | 2014-10-02 17:21 | Documentation      |
| 3313 | Infrastructure | Task    | New         | Normal   | Configure indexer to handle inline eml data                                                                     | Skye Roseboom  | 2012-10-08 21:01 | d1_indexer         |
| 3308 | Infrastructure | Task    | New         | Normal   | Document the process for removing content contributed from a specific member node and/or the entire member node | Dave Vieglais  | 2014-03-14 18:29 | Support Operations |
| 3175 | Infrastructure | Task    | New         | Normal   | Include dataoneTypes.xsd in Metacat registered schemas                                                          | Chris Jones    | 2012-10-05 14:23 | Metacat            |
| 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 |                    |
| 3166 | Infrastructure | Task    | New         | Normal   | Add d1_common_java and d1_libclient_java and their depency jar                                                  |                | 2012-08-31 17:15 |                    |
| 3156 | Infrastructure | Task    | New         | Low      | Design Review: resource map indexing strategy                                                                   | Skye Roseboom  | 2012-08-27 18:51 | d1_indexer         |
| 3142 | Infrastructure | Task    | New         | Normal   | Need a new local search mechanism                                                                               |                | 2013-03-02 05:15 |                    |
| 3115 | Infrastructure | Task    | New         | Normal   | Get R client into working state.                                                                                | Andrew Pippin  | 2012-08-02 17:32 |                    |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2                                                                 | Andrew Pippin  | 2012-08-02 17:27 |                    |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents                                                                  | Ben Leinfelder | 2012-07-31 01:34 |                    |
| 3108 | Infrastructure | Task    | New         | Normal   | lastHarvested date is always equal to the current time.                                                         | Dave Vieglais  | 2012-07-30 22:11 |                    |
| 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 |                    |
| 3076 | Infrastructure | Task    | New         | Normal   | Allow user to specify Morpho storage directory                                                                  |                | 2013-03-02 05:29 | Morpho             |
| 3067 | Infrastructure | Task    | New         | Normal   | Old DAAC PIDs to archive                                                                                        | Dave Vieglais  | 2013-01-02 14:14 | mn.Mercury         |
| 3063 | Infrastructure | Task    | New         | Normal   | Change Mutability of Metadata documentation                                                                     | Dave Vieglais  | 2014-09-24 18:27 | Documentation      |



| #    | Project        | Tracker | Status      | Priority | Subject                                                                                      | Assignee        | Updated          | Category                      |
|------|----------------|---------|-------------|----------|----------------------------------------------------------------------------------------------|-----------------|------------------|-------------------------------|
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats                                  | Ben Leinfelder  | 2012-08-14 23:41 |                               |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                                       | Rob Nahf        | 2014-10-01 22:04 | d1_integration                |
| 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                 |
| 2810 | Infrastructure | Task    | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect                             | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2809 | Infrastructure | Task    | New         | Normal   | MNStorage.update() - Make behavior explicit                                                  | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2794 | Infrastructure | Task    | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2793 | Infrastructure | Task    | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header        | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2791 | Infrastructure | Task    | New         | Normal   | verify on dev machines                                                                       | Dave Vieglais   | 2012-05-21 17:41 | d1_cn_buildout                |
| 2688 | Infrastructure | Task    | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison | Dave Vieglais   | 2014-09-24 18:27 | Documentation                 |
| 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            |
| 2664 | Infrastructure | Task    | New         | Normal   | Create documentation for how transitivity is enacted for authorization                       | Matthew Jones   | 2014-10-01 20:47 | Authentication, Authorization |
| 2660 | Infrastructure | Task    | New         | Normal   | Deciding on a key size for D1 certs                                                          | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2646 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()          | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions                                       | Andrew Pippin   | 2012-07-06 16:25 | d1_mn_GMN                     |
| 2594 | Infrastructure | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop                                               | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury                    |
| 2593 | Infrastructure | Task    | New         | Normal   | Prepare science data and metadata content for the workshop                                   | Dave Vieglais   | 2012-04-09 22:52 |                               |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09                                                                           | Skye Roseboom   | 2014-09-11 15:47 | d1_replication                |
| 2549 | Infrastructure | Task    | New         | Normal   | document the decision                                                                        | Matthew Jones   | 2012-03-27 22:03 | Authentication, Authorization |
| 2545 | Infrastructure | Task    | New         | Normal   | create d1_integration tests using for MN.generateIdentifier                                  | Rob Nahf        | 2014-10-02 17:54 | d1_integration                |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                           | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|-----------------------------------------------------------------------------------|----------------|------------------|-------------------------------|
| 2508 | Infrastructure | Task    | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.      | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2492 | Infrastructure | Task    | New         | Normal   | Add status page for given {pid}                                                   | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor                    |
| 2475 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null                      | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2466 | Infrastructure | Task    | New         | Normal   | Authentication - Remove references to Principal                                   | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2465 | Infrastructure | Task    | New         | Normal   | Authentication - Remove TODO about selecting format for principal name            | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2464 | Infrastructure | Task    | New         | Normal   | Authentication - no space after comma in subjects                                 | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2394 | Infrastructure | Task    | New         | Normal   | CNRead.search() - solr / SOLR                                                     | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2344 | Infrastructure | Task    | New         | Normal   | Add category for Ben's style sheets in Redmine                                    | Dave Vieglais  | 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 |                               |
| 2342 | Infrastructure | Task    | New         | Normal   | CNCore.reserveldentifier() - Update REST description                              | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2286 | Infrastructure | Task    | New         | Low      | Change Exceptions.InvalidToken to Exceptions.InvalidSession                       | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2281 | Infrastructure | Task    | New         | Low      | Possibly update the Identity Management and Authenticated Session Management doc  | Matthew Jones  | 2014-10-01 20:47 | Authentication, Authorization |
| 2227 | Infrastructure | Task    | New         | Normal   | Specify valid mimetypes for responses                                             | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2172 | Infrastructure | Task    | New         | Normal   | Types.DateTime: Example serialization without TZ designator                       | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2169 | Infrastructure | Task    | In Progress | Normal   | Design content and layout for status page                                         | Dave Vieglais  | 2012-03-14 20:40 | d1_monitor                    |
| 2151 | Infrastructure | Task    | New         | Normal   | Ensuring that cited objects are not deleted                                       |                | 2011-12-23 04:20 |                               |
| 2147 | Infrastructure | Task    | New         | Low      | The Python stack does not support Unicode supplementary characters (above 0xffff) | Roger Dahl     | 2012-04-16 03:50 | d1_common_python              |
| 2142 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - include PID in signature                             | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2133 | Infrastructure | Task    | New         | Normal   | listObjects() datetime slicing                                                    |                | 2011-12-12 23:15 |                               |
| 2131 | Infrastructure | Task    | New         | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeld                            | Dave Vieglais  | 2014-10-02 17:21 |                               |
| 2123 | Infrastructure | Task    | New         | Normal   | Description of serialVersion                                                      | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |

| #    | Project        | Tracker | Status | Priority | Subject                                                                                              | Assignee      | Updated          | Category           |
|------|----------------|---------|--------|----------|------------------------------------------------------------------------------------------------------|---------------|------------------|--------------------|
| 2083 | Infrastructure | Task    | New    | Normal   | Split the CN API into public and private sections                                                    | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 2054 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                                    | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 2053 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion                                  |               | 2014-10-02 17:21 |                    |
| 2051 | Infrastructure | Task    | New    | Normal   | Use subject instead of NodeRef                                                                       |               | 2011-11-23 18:11 | Documentation      |
| 2035 | Infrastructure | Task    | New    | Normal   | Design nagios system for monitoring CN locations                                                     | Nick Outin    | 2014-09-24 18:29 | d1_monitor         |
| 2033 | Infrastructure | Task    | New    | Normal   | Document hardware / CN administrators and their contact info                                         | Dave Vieglais | 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           |
| 2030 | Infrastructure | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UNM                               | Dave Vieglais | 2014-09-24 18:29 | Hardware           |
| 2029 | Infrastructure | Task    | New    | Normal   | Document VM specifications for replication MNs                                                       | Dave Vieglais | 2014-09-24 18:29 | Management         |
| 2028 | Infrastructure | Task    | New    | Normal   | Document VM specifications for CNs                                                                   | Dave Vieglais | 2014-09-24 18:29 | Management         |
| 2018 | Infrastructure | Task    | New    | Normal   | document DataONE CA operations procedures                                                            | Matthew Jones | 2012-04-23 17:53 | Support Operations |
| 1986 | Infrastructure | Task    | New    | Normal   | Update UC04 to use correct CN method for determining if a PID exists                                 | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 1983 | Infrastructure | Task    | New    | Normal   | UC04 describes MNCORE.ping() with discovery capability                                               | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 1961 | Infrastructure | Task    | New    | Normal   | Types.ErrorMessage - does not exist                                                                  | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 1890 | Infrastructure | Task    | New    | Normal   | Comply with Maven Central requirements for publishing artifacts                                      | Matthew Jones | 2011-10-27 21:39 |                    |
| 1808 | Infrastructure | Task    | New    | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()                                                 |               | 2011-10-04 16:08 |                    |
| 1762 | Infrastructure | Task    | New    | Normal   | Sketch CN components and associations                                                                | Dave Vieglais | 2014-10-02 17:40 |                    |
| 1671 | Infrastructure | Task    | New    | Normal   | Need folder for DUG, accessible by DUG members                                                       | Matthew Jones | 2011-07-12 12:09 | Support Operations |
| 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 |                    |
| 1651 | Infrastructure | Task    | New    | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                               |               | 2016-06-22 16:51 |                    |
| 1650 | Infrastructure | Task    | New    | Normal   | Update d1_cn_service ProxyCNCoreService and CNCoreController to include addFormat()                  |               | 2016-06-22 16:51 |                    |
| 1649 | Infrastructure | Task    | New    | Normal   | Update Metacat's CNCoreImpl to include addFormat()                                                   |               | 2016-06-22 16:51 |                    |
| 1646 | Infrastructure | Task    | New    | Normal   | Add addFormat() to the CNCore API                                                                    |               | 2016-06-22 16:51 |                    |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                    | Assignee      | Updated          | Category      |
|------|----------------|---------|-------------|----------|----------------------------------------------------------------------------|---------------|------------------|---------------|
| 1585 | Infrastructure | Task    | New         | Low      | add exec-maven-plugin to trigger python integration tests at verify phase. | Rob Nahf      | 2012-10-16 21:32 |               |
| 1556 | Infrastructure | Task    | In Progress | High     | Interns mailing list                                                       |               | 2011-05-12 23:02 |               |
| 1527 | Infrastructure | Task    | New         | Normal   | Allow AccessPolicy to be set for groups                                    | Matthew Jones | 2014-10-01 20:47 |               |
| 1521 | Infrastructure | Task    | New         | Normal   | Compressed Response                                                        |               | 2011-05-04 14:35 |               |
| 1520 | Infrastructure | Task    | New         | Normal   | Stream Output                                                              |               | 2011-05-04 14:35 |               |
| 1519 | Infrastructure | Task    | New         | Normal   | HTTP Byte Range Requests                                                   |               | 2011-05-04 14:34 |               |
| 1518 | Infrastructure | Task    | New         | Normal   | How to support caching                                                     |               | 2011-05-04 14:33 |               |
| 1502 | Infrastructure | Task    | New         | Normal   | Fix hierarchy of permission levels.                                        | Matthew Jones | 2014-10-01 20:47 | Documentation |
| 1494 | Infrastructure | Task    | New         | Normal   | Create sequence diagrams for Authentication services.                      | Matthew Jones | 2014-10-01 20:47 |               |
| 1485 | Infrastructure | Task    | New         | Normal   | Clean up authn requirements listing                                        | Matthew Jones | 2014-10-01 20:47 |               |
| 1484 | Infrastructure | Task    | New         | Normal   | Decide on format for Principals                                            | Matthew Jones | 2014-10-01 20:47 |               |
| 1482 | Infrastructure | Task    | New         | Normal   | Design mechanism to collapse two accounts into one                         | Matthew Jones | 2014-10-01 20:47 |               |
| 1481 | Infrastructure | Task    | New         | Normal   | Clarify spec that groups can own objects                                   | Matthew Jones | 2014-10-01 20:47 |               |
| 1474 | Infrastructure | Task    | New         | Normal   | Design verification process for new accounts                               | Matthew Jones | 2014-10-01 20:47 |               |
| 1473 | Infrastructure | Task    | New         | Normal   | Make default access policy explicit in Authz docs.                         | Matthew Jones | 2014-10-01 20:47 |               |
| 1472 | Infrastructure | Task    | New         | Normal   | Explain revocation policies via MN curator.                                | Matthew Jones | 2014-10-01 20:47 |               |
| 1471 | Infrastructure | Task    | New         | Normal   | Define implicit curator role at Member Nodes.                              | Matthew Jones | 2014-10-01 20:47 |               |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                            | Matthew Jones | 2014-10-01 20:47 | Documentation |
| 1414 | Infrastructure | Task    | New         | Normal   | How to represent additional Node attributes.                               |               | 2011-03-09 06:16 |               |
| 1411 | Infrastructure | Task    | New         | Normal   | Vendor Specific Extensions                                                 |               | 2011-03-08 16:59 |               |
| 1339 | Infrastructure | Task    | New         | Normal   | "common" -> "base" or "foundation"                                         |               | 2011-02-09 23:19 |               |
| 1335 | Infrastructure | Task    | New         | Normal   | Local caching of the d1 schema.                                            |               | 2011-02-09 22:56 |               |
| 1334 | Infrastructure | Task    | New         | Normal   | Completely remove detailCode                                               |               | 2011-02-09 22:51 |               |
| 1333 | Infrastructure | Task    | New         | Normal   | traceInformation -> trace                                                  |               | 2011-02-09 22:46 |               |
| 1332 | Infrastructure | Task    | New         | Normal   | Possibly remove MN_crud.update()                                           |               | 2011-02-09 22:50 |               |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                         | Assignee      | Updated          | Category            |
|------|----------------|---------|-------------|----------|-------------------------------------------------------------------------------------------------|---------------|------------------|---------------------|
| 1331 | Infrastructure | Task    | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()                                          |               | 2011-02-09 22:44 |                     |
| 1236 | Infrastructure | Task    | New         | Normal   | Highly variable response times from cn.dataone.org                                              |               | 2011-01-17 16:34 | d1_cn_service       |
| 1234 | Infrastructure | Task    | New         | Normal   | Record performance metrics for member nodes                                                     |               | 2011-01-15 02:52 |                     |
| 1227 | Infrastructure | Task    | New         | Normal   | configure Hudson to build Mercury for deployment to a CN                                        | Dave Vieglais | 2011-01-13 15:16 | d1_mercury          |
| 1226 | Infrastructure | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war                               |               | 2011-01-13 14:57 | d1_cn_buildout      |
| 1225 | Infrastructure | Task    | New         | Normal   | Configure Hudson Metacat build                                                                  |               | 2011-01-13 14:41 | Metacat             |
| 1159 | Infrastructure | Task    | In Progress | Normal   | Add description of Group creation and management to design specs.                               | Matthew Jones | 2014-10-01 20:47 |                     |
| 1073 | Infrastructure | Task    | New         | Normal   | Design client application authentication redirection approach                                   | Matthew Jones | 2014-10-01 20:47 | d1_identity_manager |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping                                                            | Matthew Jones | 2014-10-01 20:47 |                     |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification                                                        | Matthew Jones | 2014-10-01 20:47 |                     |
| 1047 | Infrastructure | Task    | In Progress | Normal   | Write Authentication system specification                                                       | Matthew Jones | 2014-10-01 20:47 |                     |
| 1035 | Infrastructure | Task    | In Progress | Normal   | Develop reference architecture documents                                                        | Bruce Wilson  | 2011-03-03 19:26 | Documentation       |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs                                   |               | 2010-10-21 14:55 |                     |
| 995  | Infrastructure | Task    | New         | Normal   | implement JSON formatted OLLs                                                                   |               | 2010-10-25 16:45 |                     |
| 991  | Infrastructure | Task    | New         | Low      | implement HEAD /resolve/<guid>                                                                  |               | 2010-10-13 22:02 |                     |
| 925  | Infrastructure | Task    | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                 |               | 2011-10-31 20:32 | d1_client_ONEDrive  |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages                               | Rob Nahf      | 2012-10-16 21:34 | d1_integration      |
| 817  | Infrastructure | Task    | New         | Low      | Integration testing: Make Java and Python stack return values equal for each function.          | Roger Dahl    | 2012-10-08 18:47 |                     |
| 8866 | Infrastructure | Bug     | New         | Normal   | Java client tools should set a custom user agent string                                         |               | 2020-07-15 22:43 |                     |
| 8850 | Infrastructure | Bug     | New         | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong                     | Jing Tao      | 2019-11-06 18:32 | d1_indexer          |
| 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  |

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