

## 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     |
| 8859 | CN REST        | Task    | Closed      | Normal   | Modify portal component to reload cached certificates when renewed on disk                        | Chris Jones    | 2020-03-26 14:36 | d1_portal              |
| 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 |
| 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 Vieglaiss | 2019-05-01 22:25 |                        |
| 8733 | CN REST        | Bug     | New         | Normal   | Exception handling in ForesiteResourceMap needs improvement                                       | Jing Tao       | 2018-10-12 20:09 | d1_cn_index_processor  |
| 8617 | CN REST        | Task    | Closed      | Normal   | Fix CN to CN replication in Stage   | Chris Jones    | 2018-06-17 16:33 |                        |
| 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      |
| 8183 | Infrastructure | Bug     | Closed      | Normal   | CNDiagnostic.echoIndexedObject() fails on resource maps   | Rob Nahf       | 2017-12-26 18:20 | d1_indexer             |
| 8098 | Infrastructure | Task    | Closed      | High     | Token-based authentication fails with LE CN certs   | Jing Tao       | 2020-03-26 14:39 | dataone-cn-portal      |
| 8051 | Infrastructure | Bug     | In Progress | Normal   | CORS-based CN calls fail using Internet Explorer on Windows                                       | Chris Jones    | 2017-03-28 16:35 | dataone-cn-os-core     |
| 7911 | CN REST        | Task    | New         | Normal   | Synchronization allows invalid checksums, preventing corrected sync                               |                | 2016-10-17 15:58 | d1_synchronization     |
| 7857 | CN REST        | Bug     | Closed      | Normal   | CnIdentityLDAPImpl.createGroup() allows non-existent uniqueMember, disabling the service entirely | Jing Tao       | 2017-03-28 23:12 | d1_identity_manager    |
| 7810 | Infrastructure | Story   | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation                      | Rob Nahf       | 2018-01-17 19:09 |                        |
| 7667 | CN Index       | Task    | Closed      | Normal   | Indexing of URL-like identifiers fails  | Chris Jones    | 2016-03-14 15:39 | d1_cn_index_processor  |
| 7604 | CN REST        | Bug     | Closed      | Normal   | Investigate stack overflow exception in SessionAuthorizationFilterStrategy                        | Robert Waltz   | 2016-01-29 20:24 | d1_identity_manager    |
| 7597 | Java Client    | Task    | Closed      | Normal   | Update the ProvONE namespace used in the ProvONE_V1 class   | Chris Jones    | 2016-03-25 02:43 | d1_libclient_java      |
| 7596 | Infrastructure | Task    | Closed      | Normal   | Update the ProvONE namespace used in the RdfXmlSubprocessor                                       | Chris Jones    | 2016-02-01 22:42 | d1_indexer             |
| 7573 | DataONE API    | Task    | Closed      | Normal   | Fix incorrect description of MNStorage.create() object parameter                                  | Dave Vieglaiss | 2016-03-25 02:22 | api_documentation      |
| 7570 | Infrastructure | Bug     | In Progress | Normal   | Search UI requests cause Out of Memory Error  | Jing Tao       | 2017-04-26 21:01 | d1_indexer             |

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| 7561 | Infrastructure | Task    | Closed      | Normal   | Apply the search.dataone.org redirect in dataone-cn-os-core                                 | Chris Jones    | 2015-12-18 22:41 | d1_cn_buildout           |
| 7545 | CN REST        | Task    | Closed      | Normal   | Secure test service passwords in LDAP configuration   | Ben Leinfelder | 2015-12-23 18:08 |                          |
| 7498 | Search UI      | Task    | In Progress | Normal   | Search UI deployments need to be automated  | Chris Jones    | 2015-11-21 00:36 | MetacatUI                |
| 7490 | Search UI      | Task    | Closed      | High     | Search UI filter list does not render correctly under IE 11                                 | Lauren Walker  | 2015-11-19 15:14 | MetacatUI                |
| 7391 | CN REST        | Bug     | Closed      | High     | Synchronization and replica updates fail after MN.updateSystemMetadata()                    | Rob Nahf       | 2016-01-05 18:48 | d1_synchronization       |
| 7389 | Java Client    | Task    | Testing     | Normal   | V2 D1Object fails to download V1 content  | Chris Jones    | 2015-09-28 17:50 | d1_libclient_java        |
| 7335 | Infrastructure | Task    | Closed      | Normal   | Confirm that unlimited strength Java encryption policies are installed via Ubuntu           | Chris Jones    | 2015-09-08 23:12 | Environment.Development2 |
| 7333 | Infrastructure | Task    | Closed      | Normal   | Upgrade DEV2 Metacat MNs to V2  | Ben Leinfelder | 2015-09-11 00:28 | Environment.Development2 |
| 7332 | Infrastructure | Task    | Closed      | Normal   | Fix dataone-cn-os-core postinst to really remove Bouncy Castle jars                         | Ben Leinfelder | 2015-09-09 22:53 | d1_cn_buildout           |
| 7322 | Java Client    | Bug     | Testing     | Normal   | D1Object stores data in memory, causes out of memory errors                                 | Chris Jones    | 2015-08-28 00:15 | d1_libclient_java        |
| 7321 | Infrastructure | Task    | Closed      | Normal   | Populate DEV2 MNs with real-world test data   | Chris Jones    | 2015-08-27 21:48 | Environment.Development2 |
| 7317 | Infrastructure | Task    | Closed      | Normal   | Add the BagIt file Packaging format to the object format list                               | Chris Jones    | 2015-08-28 22:07 | d1_cn_buildout           |
| 7290 | Infrastructure | Task    | Closed      | Normal   | Install MN software on DEV2 environment VMs   | Chris Jones    | 2015-08-27 21:42 | Environment.Development2 |
| 7288 | Infrastructure | Task    | Closed      | Normal   | Disable insecure SSL communication on VMs   | Chris Jones    | 2015-08-20 15:56 | Support Operations       |
| 7272 | Infrastructure | Task    | Closed      | Normal   | Add apparmor-utils to the dataone-cn-os-core dependency list for version 1.x                | Chris Jones    | 2015-07-23 23:19 | d1_cn_buildout           |
| 7271 | Infrastructure | Task    | Closed      | Normal   | Add apparmor-utils to the dataone-cn-os-core dependency list                                | Chris Jones    | 2015-07-23 22:35 | d1_cn_buildout           |
| 7269 | Infrastructure | Task    | Closed      | Normal   | Add CN node LDAP entries for the DEV2 environment CNs                                       | Chris Jones    | 2015-07-24 17:41 | Environment.Development2 |
| 7263 | Infrastructure | Task    | Closed      | Normal   | Install CCI 1.5.x on cn-dev-ucsb-2 and cn-dev-unm-2   | Chris Jones    | 2015-07-26 22:33 | Environment.Development2 |
| 7262 | Infrastructure | Task    | Closed      | Normal   | Add the DEV2 VMs to the Debian environment configuration                                    | Chris Jones    | 2015-07-22 15:26 | Environment.Development2 |
| 7261 | Infrastructure | Task    | Closed      | Normal   | Create DEV2 VMs at UNM  | Chris Jones    | 2015-07-17 02:34 | Support Operations       |
| 7260 | Infrastructure | Task    | Closed      | Normal   | Create DEV2 VMs at UCSB   | Nick Outin     | 2015-07-16 23:05 | Support Operations       |
| 7259 | Infrastructure | Story   | Closed      | Normal   | A DEV2 development environment is needed for upgrade testing                                | Chris Jones    | 2015-09-22 17:54 | Environment.Development2 |
| 7252 | Infrastructure | Task    | Rejected    | Normal   | Re-replicate content with no numReplicas attribute  |                | 2016-02-16 20:24 | d1_replication           |
| 7251 | Infrastructure | Story   | Closed      | Normal   | Replication should fulfill policies with no requested number of replicas                    | Rob Nahf       | 2016-03-25 02:32 | d1_replication           |
| 7241 | Java Client    | Task    | Rejected    | Normal   | Ensure results of CNode.listNodes() are cached for a configurable period of time            | Chris Jones    | 2015-06-30 21:50 | d1_libclient_java        |
| 7154 | Java Client    | Task    | Closed      | Normal   | Add capability in DataPackage to make statements about anonymous resources in Resource maps | Chris Jones    | 2015-06-17 20:41 | d1_libclient_java        |
| 7120 | Java Client    | Task    | Testing     | Normal   | Fix DataPackage.insertRelationship() to handle any URI for external identifiers             | Chris Jones    | 2015-06-04 21:48 | d1_libclient_java        |

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| 7084 | ONE Mercury    | Story   | Closed      | Normal   | Fix the display of EML citations when there is no individualName field                                | Chris Jones         | 2015-06-26 21:13 | d1_mercury_ui          |
| 6870 | ONE Mercury    | Bug     | Rejected    | High     | Fix handling of identifiers with url-escaped characters   | Dave Vieglaiss      | 2015-04-07 20:12 | d1_mercury_ui          |
| 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             |
| 6798 | CN REST        | Task    | Closed      | Normal   | CN Synchronization calls v2 endpoints against v1 Member Nodes   | Ben Leinfelder      | 2015-05-21 19:09 | d1_synchronization     |
| 6787 | Infrastructure | Task    | Closed      | Normal   | Ensure Java 7 Client code can communicate over SSL  | Jing Tao            | 2016-03-25 21:23 | Environment.Production |
| 6363 | Member Nodes   | Task    | Closed      | Normal   | Add the ORNL Mercury schema to the object format list   | Chris Jones         | 2014-11-24 19:07 |                        |
| 6353 | Member Nodes   | Task    | Closed      | Normal   | Add support for ORNL Mercury metadata schema to the Metacat schema catalog in each environment        | Chris Jones         | 2014-11-24 19:07 |                        |
| 6350 | Infrastructure | Task    | Closed      | Normal   | Add support for Qualified Dublin Core metadata to the Metacat schema catalog in each environment      | Chris Jones         | 2014-09-11 16:00 | Environment.Production |
| 6331 | Member Nodes   | Task    | Closed      | Normal   | Determine why Node Registry prevents MN cert from updating node capabilities                          | Chris Jones         | 2014-09-02 21:02 |                        |
| 6165 | Member Nodes   | Task    | Closed      | Normal   | Generate a production client certificate for RGD  | Chris Jones         | 2014-11-24 14:56 |                        |
| 6164 | Member Nodes   | Task    | Closed      | Normal   | Generate a production client for EDORA  | Chris Jones         | 2014-11-24 14:57 |                        |
| 6065 | Infrastructure | Task    | Closed      | Normal   | Fix dataone-cn-metacat installation to modify spatial and indexPaths properties                       | Jing Tao            | 2014-08-26 00:50 | d1_cn_buildout         |
| 6053 | Member Nodes   | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type   | Ranjeet Devarakonda | 2014-11-24 14:57 |                        |
| 6049 | Member Nodes   | Task    | Closed      | Normal   | Publish the ORNL Mercury schema at a persistent URI   | Ranjeet Devarakonda | 2014-11-24 14:57 |                        |
| 6048 | Member Nodes   | Task    | New         | Normal   | Fix 404 Not Found errors on the EDORA MN  | Jim Green           | 2014-11-24 14:57 |                        |
| 6047 | Member Nodes   | Task    | Closed      | Normal   | Validate EDORA content against the ORNL Mercury schema  | Chris Jones         | 2014-11-24 14:57 |                        |
| 6040 | Infrastructure | Task    | Rejected    | Normal   | Migrate content on dev-testing to jenkins   | Dave Vieglaiss      | 2014-10-01 15:37 | Support Operations     |
| 6039 | Infrastructure | Task    | Closed      | Normal   | Migrate all CN component POMs to Java 1.7 for support of the DataONE API v2                           | Jing Tao            | 2014-08-20 22:26 |                        |
| 6038 | Infrastructure | Story   | Closed      | Normal   | DataONE API version 2 needs to be supported   | Chris Jones         | 2015-06-01 14:27 |                        |
| 5498 | Infrastructure | Task    | New         | Normal   | Determine the cause of the Jun2014 cn-orc-1 out of memory issue                                       | Michael Campfield   | 2014-10-31 19:11 | Environment.Production |
| 5330 | Member Nodes   | Task    | Closed      | Normal   | Correct formatIds for CLOEBIRD gzip'd data objects  | Chris Jones         | 2014-06-11 00:02 |                        |
| 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 settings on all DataONE VMs  | Chris Jones         | 2014-05-08 03:16 | Environment.Production |
| 5127 | Member Nodes   | Task    | Closed      | Normal   | Regenerate a client certificate for ORNLDAAC and revoke the old certificate                           | Chris Jones         | 2018-01-22 22:15 |                        |
| 5121 | Member Nodes   | Task    | New         | Normal   | Fix DryadDataFile instance documents with no dcterms:creator element                                  | Chris Jones         | 2014-04-30 19:25 |                        |

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| 4788 | Member Nodes   | Task    | Closed      | Normal   | Generate a client test certificate for SC  | Chris Jones         | 2015-01-02 16:46 |                        |
| 4704 | Infrastructure | Task    | New         | Normal   | Create a view of MN holdings from a CN perspective                               | Dave Vieglaiss      | 2014-04-09 15:33 |                        |
| 4701 | Infrastructure | Task    | Closed      | Normal   | Fix set command whitespace handling  | Roger Dahl          | 2014-10-02 20:35 | d1_client_cli          |
| 4686 | Infrastructure | Task    | Closed      | Normal   | Add proposed MNRead packaging service to the Architecture Docs                   | Matthew Jones       | 2014-09-24 18:27 | Documentation          |
| 4685 | Infrastructure | Task    | Closed      | Normal   | Add proposed CNRead view service to the Architecture Docs                        | Matthew Jones       | 2014-09-24 18:27 | Documentation          |
| 4684 | Infrastructure | Task    | Closed      | Normal   | Add proposed MNRead view service to the Architecture Docs                        | Matthew Jones       | 2014-09-24 18:27 | Documentation          |
| 4472 | Infrastructure | Task    | Closed      | Normal   | Test Hazelcast installation on Ubuntu 12.04 with Java 7, Tomcat 7                | Robert Waltz        | 2014-07-18 03:27 | Environment.Production |
| 4471 | Infrastructure | Task    | Rejected    | Normal   | Test Ansible CN installation on Ubuntu 12.04 with Java 7, tomcat 7, PostgreSQL 9 | David Doyle         | 2014-06-30 22:08 | Environment.Production |
| 4470 | Infrastructure | Task    | Closed      | Normal   | Test CN installation on Ubuntu 12.04 with Java 7, tomcat 7, PostgreSQL 9         | Robert Waltz        | 2014-07-18 03:25 | Environment.Production |
| 4469 | Infrastructure | Task    | Closed      | Normal   | Test d1_libclient_java on Ubuntu 12.04 with Java 7                               | Rob Nahf            | 2014-07-18 03:24 | d1_libclient_java      |
| 4468 | Infrastructure | Task    | Closed      | Normal   | Test d1_common_java on Ubuntu 12.04 with Java 7                                  | Rob Nahf            | 2014-07-18 03:24 | d1_common_java         |
| 4467 | Infrastructure | Task    | Closed      | Normal   | Deploy and Test Metacat on Ubuntu 12.04 with Java 7, Tomcat 7, PostgreSQL 9      | Jing Tao            | 2014-07-18 03:23 | Metacat                |
| 4466 | Infrastructure | Story   | Closed      | Normal   | Base VM operating systems and software need to be upgraded                       | Chris Jones         | 2014-07-18 03:28 | Environment.Production |
| 4465 | Infrastructure | Story   | Closed      | Normal   | CCI 1.2.5 Feature Release  | Chris Jones         | 2014-03-31 18:19 |                        |
| 4371 | Member Nodes   | Task    | Closed      | Normal   | Set dateUploaded date in SystemMetadata to reflect true USGSCSAS upload dates    | Ranjeet Devarakonda | 2015-11-18 16:55 |                        |
| 4330 | Member Nodes   | Task    | Closed      | Normal   | Set dateUploaded date in SystemMetadata to reflect true ORNLDAAC upload dates    | Ranjeet Devarakonda | 2018-01-25 20:12 |                        |
| 4268 | Member Nodes   | Task    | Closed      | Normal   | Generate a client test certificate for RGD                                       | Chris Jones         | 2014-11-24 14:55 |                        |
| 4267 | Member Nodes   | Task    | Closed      | Normal   | Generate a client test certificate for EDORA                                     | Chris Jones         | 2014-11-24 14:57 |                        |
| 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     |
| 4235 | Infrastructure | Task    | Closed      | Normal   | Enable bulk read of system metadata from all 3 CNs                               | Chris Jones         | 2014-07-30 20:26 | d1_replication_auditor |
| 4234 | Infrastructure | Task    | Closed      | Normal   | Refactor Metacat DAO to use bulk data transfer calls                             | Chris Jones         | 2014-07-30 20:26 | d1_replication_auditor |
| 4233 | Infrastructure | Task    | Closed      | Normal   | Persist the Merged System Metadata   | Chris Jones         | 2014-07-30 20:25 | d1_replication_auditor |
| 4232 | Infrastructure | Task    | Closed      | Normal   | Create a MergeJob to Merge System Metadata across 3 CNs                          | Rob Nahf            | 2014-07-30 17:54 | d1_replication_auditor |
| 4231 | Infrastructure | Task    | Closed      | High     | Generate a Master System Metadata Table from all CNs                             | Robert Waltz        | 2014-05-20 16:14 | d1_replication_auditor |
| 4230 | Infrastructure | Story   | Closed      | High     | CN System Metadata needs tidying   | Chris Jones         | 2014-07-30 20:26 | d1_replication_auditor |
| 4223 | Infrastructure | Task    | Closed      | Normal   | Implement the Metacat DAO layer for accessing/updating systemmetadata            | Chris Jones         | 2014-07-30 03:24 | d1_replication_auditor |
| 4215 | Infrastructure | Task    | Rejected    | Normal   | Enable read-only mode for CNCore and CNRead methods                              | Rob Nahf            | 2014-01-08 16:01 | d1_cn_service          |

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| 4213 | Infrastructure | Task    | Closed      | Normal    | Evaluate deleted identifiers on each CN  | Chris Jones          | 2014-03-14 17:43 | Metacat                |
| 4210 | Infrastructure | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete() | Chris Jones          | 2013-12-20 16:12 | Metacat                |
| 4193 | Infrastructure | Story   | Closed      | Normal    | Release CCI 1.2.4 Features   | Chris Jones          | 2014-01-06 18:46 |                        |
| 4187 | Infrastructure | Task    | Closed      | Normal    | Confirm GMN handles SSL exceptions from source nodes appropriately                 | Roger Dahl           | 2013-12-17 01:55 | d1_mn_GMN              |
| 4185 | Infrastructure | Task    | Rejected    | High      | Develop a CN audit algorithm to recover inconsistent CN states                     | Robert Waltz         | 2014-07-30 03:21 | Environment.Production |
| 4184 | Infrastructure | Task    | Closed      | Urgent    | Evaluate CN to CN access policy inconsistencies                                    | Chris Jones          | 2014-03-14 17:43 | Environment.Production |
| 4183 | Infrastructure | Task    | Closed      | Urgent    | Evaluate CN to CN system metadata attribute inconsistencies                        | Skye Roseboom        | 2014-03-14 17:43 | Environment.Production |
| 4152 | Member Nodes   | Task    | Closed      | Immediate | Fix SEAD indexing of science metadata  | Robert Waltz         | 2013-11-01 09:36 |                        |
| 4148 | Member Nodes   | Task    | Closed      | Normal    | Troubleshoot getting system metadata and objects on the production USANPN          | Ben Leinfelder       | 2014-05-15 17:19 |                        |
| 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            |
| 4146 | Infrastructure | Task    | Closed      | Normal    | Fix the Distribution map title popover   | Chris Brumgard       | 2014-03-31 17:41 | d1_dashboard           |
| 4145 | Infrastructure | Task    | Closed      | Normal    | Fix map clustered counts on map refresh  | Chris Brumgard       | 2014-03-31 17:41 | d1_dashboard           |
| 4141 | Member Nodes   | Task    | Closed      | Normal    | Verify server SSL server certificate installation                                  | CJ Grady             | 2014-02-20 21:21 |                        |
| 4138 | Infrastructure | Task    | Closed      | Normal    | Fix the distribution map refresh center  | Chris Brumgard       | 2014-03-31 17:41 | d1_dashboard           |
| 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           |
| 4123 | Infrastructure | Task    | Closed      | Normal    | Create a Member Node List view   | Skye Roseboom        | 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           |
| 4106 | Infrastructure | Task    | Closed      | Normal    | Configure PostgreSQL memory on the CNs to accommodate large getLogRecords() calls  | Chris Brumgard       | 2013-11-05 21:02 | d1_cn_buildout         |
| 4105 | Member Nodes   | Task    | Closed      | Normal    | Review SystemMetadata 'size' field content   | Kavitha Chandrasekar | 2013-10-31 21:28 |                        |
| 4079 | Infrastructure | Task    | Closed      | Normal    | Enable CORS support for the production CNs   | Chris Jones          | 2014-03-31 17:41 | d1_cn_buildout         |
| 4076 | Member Nodes   | Task    | Closed      | Normal    | Generate urn:node:SEAD production client certificate                               | Dave Vieglaiss       | 2013-10-25 00:36 |                        |
| 4062 | Member Nodes   | Task    | Closed      | Normal    | Verify trusted certificates on the KUBI MN   | CJ Grady             | 2014-02-20 21:21 |                        |
| 4061 | Member Nodes   | Task    | Closed      | Normal    | Fix stmml:unit validation errors in KUBI EML                                       | CJ Grady             | 2014-02-20 21:21 |                        |
| 4041 | Member Nodes   | Task    | Closed      | Normal    | Review KUBI synchronization results  | Chris Jones          | 2014-02-20 21:21 |                        |
| 4035 | Member Nodes   | Task    | Closed      | Normal    | Review KUBI EML TemporalCoverage content   | CJ Grady             | 2014-02-20 21:21 |                        |
| 4033 | Member Nodes   | Task    | Closed      | Normal    | Evaluate KUBI MN.getLogRecords() authorization policy                              | CJ Grady             | 2014-02-20 21:21 |                        |
| 4032 | Member Nodes   | Task    | Closed      | Normal    | Set the HTTP Content-Type appropriately for KUBI objects                           | CJ Grady             | 2014-02-20 21:21 |                        |
| 4031 | Member Nodes   | Task    | Closed      | Normal    | Add a full description in the KUBI MN node document                                | CJ Grady             | 2014-02-20 21:21 |                        |

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| 4025 | Infrastructure | Story   | Closed      | Normal   | Release CCI 1.2.3 Features   | Chris Jones         | 2014-01-06 18:21 | Environment.Development |
| 4024 | Infrastructure | Task    | Closed      | Normal   | Add a times series chart of uploads and downloads on the summary page              | Skye Roseboom       | 2014-03-31 17:41 | d1_dashboard            |
| 3990 | Member Nodes   | Task    | Closed      | Normal   | Update system metadata for eBird content from urn:node:CLOAKN to urn:node:CLOEBIRD | Robert Waltz        | 2014-04-23 01:32 |                         |
| 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            |
| 3975 | Member Nodes   | Task    | Closed      | Normal   | Generate urn:node:mnTestKUBI client certificate                                    | Chris Jones         | 2014-02-20 21:21 |                         |
| 3958 | Member Nodes   | Task    | Closed      | Normal   | Generate urn:node:mnTestNKN client certificate                                     | Chris Jones         | 2016-03-29 13:32 |                         |
| 3952 | Infrastructure | Task    | Closed      | Normal   | Query Redmine for MN locations   | Chris Jones         | 2014-03-31 17:41 |                         |
| 3946 | Infrastructure | Task    | Closed      | Normal   | Implement the Maps View, Model, and Collections in the Dashboard                   | Chris Jones         | 2014-03-31 17:41 | d1_dashboard            |
| 3909 | Infrastructure | Task    | Closed      | Normal   | Add ansible.dataone.org localadmin password to ProductionPW.txt.gpg                | Chris Brumgard      | 2013-10-01 19:51 | Support Operations      |
| 3899 | Infrastructure | Task    | Closed      | Normal   | Add DataONE totals in the Summary View   | Chris Jones         | 2014-03-31 17:41 | d1_dashboard            |
| 3890 | Infrastructure | Task    | Closed      | High     | ns2.afraid.org is not serving dataone.org properly                                 | Nick Outin          | 2013-08-08 17:56 | Support Operations      |
| 3889 | Infrastructure | Story   | Closed      | High     | Document the log aggregation component in the operations documents                 | Peter Slaughter     | 2014-05-29 16:23 | d1_log_aggregation      |
| 3888 | Infrastructure | Task    | Closed      | Normal   | Pull CN data into the dashboard in the D1NodeList collection                       | Ben Leinfelder      | 2014-03-31 17:41 | d1_dashboard            |
| 3887 | Infrastructure | Task    | Closed      | Normal   | Layout the D1NodeView template   | Chris Jones         | 2014-03-31 17:41 | d1_dashboard            |
| 3886 | Infrastructure | Task    | Closed      | High     | Filter the d1-cn-log index based on a public role                                  | Robert Waltz        | 2014-03-31 17:41 | d1_dashboard            |
| 3885 | Infrastructure | Task    | Closed      | Normal   | Stub out the client-side code for the dashboard application                        | Ben Leinfelder      | 2014-03-31 17:41 | d1_dashboard            |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features   | Chris Jones         | 2013-09-12 20:04 | Environment.Production  |
| 3855 | Member Nodes   | Task    | Closed      | Normal   | Dryad schema instance files fail to validate due to import resolution              | Chris Jones         | 2014-04-17 03:31 |                         |
| 3854 | Member Nodes   | Task    | Closed      | Normal   | Troubleshoot Dryad science metadata creation on CNs                                | Chris Jones         | 2014-03-14 18:22 |                         |
| 3841 | Member Nodes   | Task    | Closed      | Normal   | Fix listObjects() implementation to handle characters with Solr special meaning    | Ranjeet Devarakonda | 2015-04-17 17:17 |                         |
| 3830 | Infrastructure | Task    | Closed      | Normal   | Create a cn_rest_service tag for a CN 1.2 release                                  | Ben Leinfelder      | 2013-07-01 22:30 | d1_cn_service           |
| 3829 | Infrastructure | Task    | Closed      | Normal   | Update the cn_rest_service branch (v1.1) for a CN 1.2 release                      | Ben Leinfelder      | 2013-06-26 18:25 | d1_cn_service           |
| 3828 | Infrastructure | Task    | Closed      | Normal   | Deploy the CN 1.2 components to the production environment                         | Ben Leinfelder      | 2013-07-06 04:15 |                         |
| 3827 | Infrastructure | Task    | Closed      | Normal   | Deploy the CN 1.2 components to the stage environment                              | Ben Leinfelder      | 2013-07-02 23:44 |                         |
| 3826 | Infrastructure | Task    | Closed      | Normal   | Create a d1_cn_portal branch for a CN 1.2 release                                  | Ben Leinfelder      | 2013-06-24 22:54 | d1_portal_servlet       |
| 3825 | Infrastructure | Task    | Rejected    | Normal   | Create a d1_ansible tag for the CN 1.2.1 release                                   | Chris Brumgard      | 2013-09-12 20:04 | d1_cn_buildout          |
| 3824 | Infrastructure | Task    | Closed      | Normal   | Create a cn-buildout tag for a CN 1.2.1 release                                    | Robert Waltz        | 2013-07-25 16:36 | d1_cn_buildout          |
| 3823 | Infrastructure | Task    | Closed      | Normal   | Create d1_cn_portal tag for 1.2 release  | Ben Leinfelder      | 2013-07-01 22:28 | d1_portal_servlet       |

| #    | Project        | Tracker | Status   | Priority | Subject   | Assignee        | Updated          | Category               |
|------|----------------|---------|----------|----------|---|-----------------|------------------|------------------------|
| 3822 | Infrastructure | Story   | Closed   | Normal   | Release CN 1.2 Features   | Chris Jones     | 2013-07-12 15:46 | Environment.Production |
| 3815 | Member Nodes   | Task    | Closed   | Normal   | Resolve access policy discrepancies between system metadata and science metadata                              | Roger Dahl      | 2018-08-31 15:27 |                        |
| 3806 | Infrastructure | Task    | Closed   | Normal   | Add xmlstarlet to base CN Ansible install   | Chris Brumgard  | 2013-06-17 16:12 | d1_cn_buildout         |
| 3746 | Infrastructure | Task    | Rejected | Normal   | Add CNCORE.systemMetadataChanged() call   | Chris Jones     | 2016-03-25 01:00 |                        |
| 3745 | Infrastructure | Task    | Rejected | Normal   | Add Replica version attribute   | Chris Jones     | 2015-06-12 16:11 |                        |
| 3744 | Infrastructure | Task    | Closed   | Normal   | Add MN API calls to update system metadata  | Chris Jones     | 2015-05-28 18:03 | Architecture Design    |
| 3743 | Infrastructure | Task    | Closed   | Normal   | Change system metadata design documents to reflect MN authority   | Chris Jones     | 2015-05-28 18:06 | Documentation          |
| 3729 | Infrastructure | Story   | Closed   | High     | Member Nodes should be the authoritative source of System Metadata  | Dave Vieglaiss  | 2016-03-25 01:14 | Documentation          |
| 3659 | Infrastructure | Task    | Closed   | Normal   | Production CNs aren't replicating the updated object format list  | Chris Jones     | 2013-03-15 23:33 | Support Operations     |
| 3617 | Infrastructure | Task    | Closed   | Normal   | Address LTERN Authentication Service's incorrect DN creation issue  | Mark Servilla   | 2013-03-06 20:57 | Support Operations     |
| 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.Production |
| 3605 | Member Nodes   | Task    | New      | Normal   | Install a new Metacat instance for the Avian Knowledge Network (AKN) member node                              | Ben Leinfelder  | 2013-02-21 16:20 |                        |
| 3604 | Member Nodes   | Task    | Closed   | Normal   | Update the current CLOAKN member node to be EBIRD   | Robert Waltz    | 2014-04-23 01:31 |                        |
| 3603 | Member Nodes   | Task    | Closed   | Normal   | Create production certificates for CLOEBIRD   | Chris Jones     | 2014-04-15 23:22 |                        |
| 3602 | Member Nodes   | Task    | Closed   | Normal   | Revoke the CLOAKN certificate   | Dave Vieglaiss  | 2014-04-14 16:59 |                        |
| 3601 | Member Nodes   | Task    | Rejected | Normal   | Generate a production client certificate for the Avian Knowledge Network                                      | Dave Vieglaiss  | 2014-04-14 16:58 |                        |
| 3600 | Member Nodes   | Task    | Closed   | Normal   | Generate a production client certificate for Cornell Lab of Ornithology eBird                                 | Dave Vieglaiss  | 2014-04-14 16:58 |                        |
| 3596 | Infrastructure | Task    | New      | Normal   | Fix Merritt Repository resource map typing of triple objects  | John Kunze      | 2013-02-19 02:27 | mn.Merritt             |
| 3583 | Member Nodes   | Task    | Closed   | High     | Production KNB node should return intermediate CA certs   | Ben Leinfelder  | 2013-03-05 23:05 |                        |
| 3580 | Infrastructure | Task    | Closed   | High     | LDAP replication fails from cn-stage-unm-2 to cn-stage-orc-2  | Chris Brumgard  | 2013-02-25 17:21 | Support Operations     |
| 3575 | Member Nodes   | Task    | Closed   | High     | ORNLDAAC listObjects() fails when filtering formatlds with colons   | Giri Palanisamy | 2013-04-19 18:54 |                        |
| 3522 | Infrastructure | Task    | Closed   | Normal   | Create DNS entries for replica nodes  | Chris Jones     | 2013-02-21 18:43 | Environment.Production |
| 3512 | Infrastructure | Task    | New      | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes                 | Dave Vieglaiss  | 2013-01-23 16:34 | Environment.Production |
| 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     |

| #    | Project        | Tracker | Status   | Priority | Subject   | Assignee       | Updated          | Category                |
|------|----------------|---------|----------|----------|---|----------------|------------------|-------------------------|
| 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      |
| 3508 | Infrastructure | Story   | Rejected | Normal   | Non-production nodes should all use client certificates signed by the DataONE Test intermediate CA                    | Chris Jones    | 2018-01-17 20:24 | Support Operations      |
| 3507 | Infrastructure | Task    | Closed   | Normal   | Deploy GMN on mn-unm-2.dataone.org as a target replica node   | Roger Dahl     | 2013-03-11 15:41 | Environment.Production  |
| 3506 | Infrastructure | Task    | Closed   | Normal   | Deploy GMN on mn-orc-2.dataone.org as a target replica node   | Roger Dahl     | 2013-03-11 15:42 | Environment.Production  |
| 3505 | Infrastructure | Task    | Rejected | Normal   | Deploy GMN on mn-ucsb-2.dataone.org as a target replica node  | Roger Dahl     | 2013-01-28 15:47 | Environment.Production  |
| 3504 | Infrastructure | Task    | Closed   | Normal   | Create a production Member Node VM at UNM for a GMN-based replica target node   | Dave Vieglaiss | 2013-03-11 15:40 | Environment.Production  |
| 3503 | Infrastructure | Task    | Rejected | Normal   | Create a production Member Node VM at UCSB for a GMN-based replica target node  | Nick Outin     | 2013-01-28 15:42 | Environment.Production  |
| 3487 | Infrastructure | Task    | Closed   | Normal   | Increase available physical volumes on cn-unm-1.dataone.org   | Dave Vieglaiss | 2014-10-02 17:56 | Support Operations      |
| 3486 | Infrastructure | Task    | Closed   | High     | Increase available physical volumes on cn-orc-1.dataone.org   | Chris Brumgard | 2013-01-16 07:19 | Support Operations      |
| 3485 | Infrastructure | Task    | Closed   | Normal   | Increase available physical volumes on cn-ucsb-1.dataone.org  | Nick Outin     | 2013-02-05 18:33 | Support Operations      |
| 3484 | Infrastructure | Task    | Closed   | Normal   | Increase available physical volumes on cn-stage-unm-1.test.dataone.org  | Dave Vieglaiss | 2014-10-02 17:56 | Support Operations      |
| 3483 | Infrastructure | Task    | Closed   | High     | Increase available physical volumes on cn-stage-orc-1.test.dataone.org  | Chris Brumgard | 2013-01-16 07:21 | Support Operations      |
| 3482 | Infrastructure | Task    | Closed   | High     | Increase available physical volumes on cn-stage-ucsb-1.test.dataone.org   | Nick Outin     | 2013-02-05 18:32 | Support Operations      |
| 3479 | Infrastructure | Task    | Closed   | Normal   | Improve ONEDrive usability by installing via a Python egg   | Chris Brumgard | 2013-10-01 19:51 | d1_client_ONEDrive      |
| 3478 | Infrastructure | Task    | Closed   | Normal   | Improve ONEDrive performance by minimizing queries sent to the server   | Roger Dahl     | 2013-03-11 15:44 | d1_client_ONEDrive      |
| 3477 | Infrastructure | Task    | Closed   | Normal   | Improve performance in ONEDrive by caching queries  | Roger Dahl     | 2014-05-09 13:55 | d1_client_ONEDrive      |
| 3476 | Infrastructure | Story   | Closed   | Normal   | ONEDrive needs to be performant and easy to install   | Roger Dahl     | 2014-01-17 16:56 | d1_client_ONEDrive      |
| 3474 | Infrastructure | Story   | Rejected | Normal   | Maintain consistency across CN hazelcast backing datastores   | Chris Jones    | 2014-04-04 04:20 | performance-scalability |
| 3473 | Infrastructure | Task    | Closed   | Normal   | Report membership status to Nagios  | Skye Roseboom  | 2014-10-01 20:40 | d1_monitor              |
| 3472 | Infrastructure | Task    | Closed   | Normal   | Create a Statsd reporter for cluster membership status  | Skye Roseboom  | 2014-10-01 20:41 | d1_monitor              |
| 3471 | Infrastructure | Task    | Closed   | Normal   | Create a d1_cn_monitor project that acts as an extensible framework for adding monitoring agents and reporting agents | Skye Roseboom  | 2014-10-01 20:44 | performance-scalability |
| 3470 | Infrastructure | Story   | Closed   | Normal   | CN cluster communication needs to be monitored  | Skye Roseboom  | 2014-10-01 20:44 | performance-scalability |
| 3420 | Infrastructure | Task    | Closed   | Normal   | Migrate mnStageLTER content from the CN to a new MN   | Chris Jones    | 2013-01-14 16:36 |                         |
| 3418 | Infrastructure | Task    | Closed   | Normal   | Create a content migration tool to copy content from the CN to an MN  | Chris Jones    | 2013-01-14 16:34 |                         |
| 3417 | Infrastructure | Story   | Closed   | Normal   | Orphaned MN content needs to be migrated to a new MN when possible  | Chris Jones    | 2013-01-14 16:36 |                         |



| #    | Project        | Tracker | Status   | Priority | Subject  | Assignee       | Updated          | Category                |
|------|----------------|---------|----------|----------|--|----------------|------------------|-------------------------|
| 3407 | Infrastructure | Task    | Closed   | Normal   | Fix indexing conflicts on CNs that cause Metacat systemmetadata tables get out of sync | Chris Jones    | 2013-01-08 00:06 | Metacat                 |
| 3403 | Infrastructure | Task    | Closed   | Normal   | Update dataone-cn-metacat to increase postgresql connections limit                     | Chris Jones    | 2012-11-21 04:58 |                         |
| 3386 | Infrastructure | Task    | Closed   | Normal   | Add a Hazelcast build to Hudson  | Robert Waltz   | 2012-12-12 16:50 | d1_process_daemon       |
| 3385 | Infrastructure | Task    | Closed   | Normal   | Upgrade d1_process_daemon to Hazelcast 2.x   | Robert Waltz   | 2013-01-08 18:16 | performance-scalability |
| 3384 | Infrastructure | Task    | Closed   | Normal   | Upgrade d1_log_aggregation to Hazelcast 2.x  | Robert Waltz   | 2013-01-08 18:16 | performance-scalability |
| 3383 | Infrastructure | Task    | Closed   | Normal   | Upgrade d1_node_registry to Hazelcast 2.x  | Robert Waltz   | 2013-01-08 18:16 | performance-scalability |
| 3382 | Infrastructure | Task    | Closed   | Normal   | Upgrade d1_cn_common to Hazelcast 2.x  | Skye Roseboom  | 2013-01-08 17:06 | performance-scalability |
| 3381 | Infrastructure | Task    | Closed   | Normal   | Upgrade replicationstatusmonitor to Hazelcast 2.x                                      | Dave Vieglaiss | 2013-01-08 18:29 |                         |
| 3380 | Infrastructure | Task    | New      | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x  | Dave Vieglaiss | 2012-12-12 16:50 |                         |
| 3379 | Infrastructure | Task    | Closed   | Normal   | Upgrade metacat to Hazelcast 2.x   | Chris Jones    | 2013-01-08 00:04 | Metacat                 |
| 3378 | Infrastructure | Task    | Closed   | Normal   | Upgrade d1_replication to Hazelcast 2.x  | Skye Roseboom  | 2013-01-08 17:06 | performance-scalability |
| 3377 | Infrastructure | Task    | Closed   | Normal   | Upgrade d1_index to Hazelcast 2.x  | Skye Roseboom  | 2013-01-08 17:07 | performance-scalability |
| 3376 | Infrastructure | Task    | Closed   | Normal   | Upgrade d1_synchronization to Hazelcast 2.x  | Robert Waltz   | 2013-01-08 18:16 | performance-scalability |
| 3375 | Infrastructure | Story   | Closed   | Normal   | Hazelcast should be upgraded to version 2.X for stability                              | Chris Jones    | 2013-01-08 18:29 | performance-scalability |
| 3362 | ONE Mercury    | Task    | Rejected | Normal   | Move the 'Results per page' dropdown to only the Advanced Search and Results views     | Chris Jones    | 2018-01-09 02:34 |                         |
| 3361 | ONE Mercury    | Task    | Rejected | Normal   | Change the default simple and advanced search views with the 'only data' refinement    | Chris Jones    | 2018-01-09 02:34 |                         |
| 3360 | ONE Mercury    | Task    | Rejected | Normal   | Provide Member Node documentation on node naming best practices                        | Chris Jones    | 2018-01-09 02:34 |                         |
| 3359 | ONE Mercury    | Task    | Rejected | Normal   | Address confusing navigation buttons in science metadata views                         | Chris Jones    | 2015-01-19 23:09 |                         |
| 3358 | ONE Mercury    | Task    | Rejected | Normal   | Add a printable view of science metadata   | Chris Jones    | 2015-01-19 23:09 |                         |
| 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                 |
| 3356 | ONE Mercury    | Task    | Rejected | Normal   | Number the search results for ease of recall   | Chris Jones    | 2018-01-09 02:34 |                         |
| 3355 | ONE Mercury    | Task    | Closed   | Normal   | Fix the search form to not need two search buttons                                     | Skye Roseboom  | 2015-01-19 23:09 |                         |
| 3354 | ONE Mercury    | Task    | Rejected | Normal   | Redesign query text on the results page to use refinement boxes                        | Chris Jones    | 2018-01-09 02:34 |                         |
| 3352 | Infrastructure | Story   | Closed   | Normal   | Production CNs are out of sync in object count   | Ben Leinfelder | 2013-03-01 18:32 | Environment.Production  |
| 3347 | ONE Mercury    | Task    | Rejected | Normal   | Improve temporal components of the advanced search                                     | Chris Jones    | 2018-01-09 02:35 |                         |
| 3346 | ONE Mercury    | Task    | Rejected | Normal   | Improve geographic components of the advanced search                                   | Chris Jones    | 2018-01-09 02:35 |                         |
| 3345 | ONE Mercury    | Task    | Rejected | Normal   | Modify Results filtering to accomodate addition and removal of search refinements      | Chris Jones    | 2018-01-09 02:35 |                         |
| 3344 | ONE Mercury    | Task    | Rejected | Normal   | Implement Simple vs Advanced search views  | Chris Jones    | 2018-01-09 02:35 |                         |

| #    | Project        | Tracker | Status   | Priority | Subject  | Assignee       | Updated          | Category            |
|------|----------------|---------|----------|----------|--|----------------|------------------|---------------------|
| 3328 | Infrastructure | Task    | New      | Normal   | Enable a data preview from the search results page                                   | Chris Jones    | 2012-10-23 19:34 | d1_mercury          |
| 3327 | ONE Mercury    | Task    | Rejected | Normal   | Clarify the 'Return to Search' vs 'Back' buttons when viewing science metadata       | Chris Jones    | 2018-01-09 02:35 |                     |
| 3326 | ONE Mercury    | Task    | Rejected | Normal   | Create a printable view of the science metadata record                               | Chris Jones    | 2018-01-09 02:35 |                     |
| 3325 | ONE Mercury    | Task    | Rejected | Normal   | Improve sorting components for returned results                                      | Chris Jones    | 2018-01-09 02:35 |                     |
| 3324 | ONE Mercury    | Task    | Closed   | Normal   | Remove relevance ranking stars   | Skye Roseboom  | 2015-01-19 23:09 |                     |
| 3323 | ONE Mercury    | Task    | Rejected | Normal   | Make the display of science metadata more uniform                                    | Chris Jones    | 2018-01-09 02:35 |                     |
| 3322 | ONE Mercury    | Task    | Rejected | Normal   | Fix confusing 'Data Files(0)' download buttons                                       | Chris Jones    | 2018-01-09 02:36 |                     |
| 3321 | ONE Mercury    | Task    | Rejected | Normal   | Re-enable 'search by place name' on the Mercury UI                                   | Chris Jones    | 2018-01-09 02:36 |                     |
| 3320 | ONE Mercury    | Task    | Rejected | Normal   | Enable tooltip for the Mercury map component tools                                   | Chris Jones    | 2018-01-09 02:36 |                     |
| 3319 | ONE Mercury    | Task    | Closed   | Normal   | Add functionality to clear a search  | Skye Roseboom  | 2015-01-19 23:09 |                     |
| 3318 | ONE Mercury    | Feature | Rejected | Normal   | Mercury UI improvements from ESIP feedback need to be addressed                      | Chris Jones    | 2018-01-09 02:36 |                     |
| 3274 | Infrastructure | Task    | Closed   | Normal   | Add the MN Query API to d1_libclient_python classes                                  | Roger Dahl     | 2012-10-25 15:10 | d1_libclient_python |
| 3273 | Infrastructure | Task    | Closed   | Normal   | Add the MN Query API to d1_libclient_java classes                                    | Rob Nahf       | 2012-10-25 15:10 | d1_libclient_java   |
| 3272 | Infrastructure | Task    | Closed   | Normal   | Add the MN Query API to d1_common_java interfaces                                    | Rob Nahf       | 2012-10-25 15:10 | d1_common_java      |
| 3271 | Infrastructure | Task    | Closed   | Normal   | Modify architecture docs to include MN Query API methods                             | Dave Vieglaiss | 2012-10-25 15:10 | Documentation       |
| 3270 | Infrastructure | Task    | Closed   | Normal   | Modify architecture docs to include CN Query API methods                             | Dave Vieglaiss | 2012-10-25 15:10 | Documentation       |
| 3268 | Infrastructure | Task    | Closed   | Normal   | Add the CN Query API to d1_libclient_python classes                                  | Roger Dahl     | 2012-10-25 15:10 | d1_libclient_python |
| 3267 | Infrastructure | Task    | Closed   | Normal   | Add the CN Query API to d1_libclient_java classes                                    | Rob Nahf       | 2012-10-25 15:10 | d1_libclient_java   |
| 3266 | Infrastructure | Task    | Closed   | Normal   | Add the CN Query API to d1_common_java interfaces                                    | Rob Nahf       | 2012-10-25 15:10 | d1_common_java      |
| 3262 | Infrastructure | Story   | Closed   | Normal   | Object provenance needs to be supported across components                            | Chris Jones    | 2018-01-17 20:27 |                     |
| 3175 | Infrastructure | Task    | New      | Normal   | Include dataoneTypes.xsd in Metacat registered schemas                               | Chris Jones    | 2012-10-05 14:23 | Metacat             |
| 3117 | Infrastructure | Task    | Closed   | Normal   | Reduce Hazelcast.init() startup time for populating hzSystemMetadata                 | Ben Leinfelder | 2012-08-07 15:05 | Metacat             |
| 3116 | Infrastructure | Task    | Closed   | High     | Metacat CN startup and initialization time needs to be reduced an order of magnitude | Ben Leinfelder | 2012-08-14 23:53 | Metacat             |
| 3095 | Infrastructure | Task    | Closed   | Normal   | Change hostnames for development hosts   | Chris Jones    | 2012-08-08 15:14 | Support Operations  |
| 3094 | Infrastructure | Task    | Closed   | Normal   | Change hostnames for stage and sandbox hosts   | Chris Jones    | 2012-07-23 15:00 | Support Operations  |
| 3092 | Infrastructure | Task    | Closed   | Normal   | Generate new DataONE client certificates for the non-production servers              | Dave Vieglaiss | 2012-07-30 21:29 | Support Operations  |
| 3089 | Infrastructure | Task    | Closed   | Normal   | Change dataone-cn-os-core configuration scripts to reflect DNS changes               | Chris Jones    | 2012-07-19 21:19 | Support Operations  |
| 3088 | Infrastructure | Task    | Closed   | Normal   | Change non-production server names to the *.test.dataone.org domain                  | Nick Outin     | 2012-08-08 15:19 | Support Operations  |

| #    | Project        | Tracker | Status   | Priority | Subject  | Assignee       | Updated          | Category           |
|------|----------------|---------|----------|----------|--|----------------|------------------|--------------------|
| 3087 | Infrastructure | Task    | Closed   | Normal   | Non-productions servers need to migrate to new commercial certificates                               | Chris Jones    | 2012-08-08 15:20 | Support Operations |
| 3037 | Infrastructure | Task    | Closed   | Normal   | Implement full expunge in Metacat  | Chris Jones    | 2012-07-16 18:16 | Metacat            |
| 3036 | Infrastructure | Story   | Closed   | Normal   | Administrative expunge of an object and its replicas needs to be enabled                             | Chris Jones    | 2012-07-30 21:39 | Metacat            |
| 3030 | Infrastructure | Task    | Closed   | Normal   | Fix Metacat's DataONE configuration to set the correct base URL                                      | Ben Leinfelder | 2012-07-02 23:53 | Metacat            |
| 2992 | Infrastructure | Story   | Closed   | Normal   | Generation of slapd configuration may cause LDAP replication trouble                                 | Chris Jones    | 2012-07-26 18:40 | d1_cn_buildout     |
| 2928 | Infrastructure | Task    | Closed   | Normal   | Change dataone-cn-portal postinst to open 5432 to each CN  | Ben Leinfelder | 2012-06-15 16:09 | d1_cn_buildout     |
| 2927 | Infrastructure | Task    | Closed   | Normal   | Change dataone-cn-os-core to open 80 to anywhere   | Robert Waltz   | 2012-06-19 05:30 | d1_cn_buildout     |
| 2926 | Infrastructure | Task    | Closed   | Normal   | Change dataone-cn-index to not open 5702 to anywhere   | Robert Waltz   | 2012-06-19 05:30 | d1_cn_buildout     |
| 2925 | Infrastructure | Task    | Closed   | Normal   | Change dataone-cn-processdaemon to not open 5702 to anywhere   | Robert Waltz   | 2012-06-19 05:30 | d1_cn_buildout     |
| 2923 | Infrastructure | Story   | Closed   | Normal   | Per environment firewall configurations need to be fixed   | Chris Jones    | 2012-06-19 05:31 | d1_cn_buildout     |
| 2896 | Infrastructure | Task    | New      | Normal   | Modify the admin DN in createObjectformat script per environment                                     | Chris Jones    | 2012-10-05 14:23 | d1_cn_buildout     |
| 2863 | Infrastructure | Task    | Rejected | Normal   | Change d1_cn_common's DAO layer to use configurable passwords  | Skye Roseboom  | 2012-06-06 19:27 | Support Operations |
| 2862 | Infrastructure | Task    | Closed   | Normal   | Change the Metacat postinst script to use a per-env admin DN   | Chris Jones    | 2012-08-31 04:01 | Metacat            |
| 2861 | Infrastructure | Task    | Closed   | Normal   | Set production passwords in the encrypted password file  | Robert Waltz   | 2012-06-12 16:37 | Support Operations |
| 2860 | Infrastructure | Task    | Closed   | Normal   | Create a productionPW.txt file in subversion   | Dave Vieglaiss | 2012-06-06 18:57 | Support Operations |
| 2859 | Infrastructure | Story   | Closed   | Normal   | Production environment passwords and configuration need to be secured                                | Chris Jones    | 2012-09-04 21:45 | Support Operations |
| 2834 | Infrastructure | Task    | Closed   | Normal   | Switch to SHA-1 for checksum generation  | Ben Leinfelder | 2012-06-01 04:05 | Metacat            |
| 2759 | Infrastructure | Story   | Rejected | Normal   | Metacat should only parse XML documents against local schema files                                   | Chris Jones    | 2012-10-05 15:15 | Metacat            |
| 2626 | Infrastructure | Task    | Closed   | Normal   | Secure CILogon postgresql communication  | Ben Leinfelder | 2012-04-25 18:55 | d1_portal_servlet  |
| 2624 | Infrastructure | Task    | Closed   | Normal   | Modify ReplicationManager.createAndQueueTasks() to limit replication tasks based on current MN load  | Chris Jones    | 2012-05-21 16:21 | d1_replication     |
| 2623 | Infrastructure | Task    | Closed   | Normal   | Modify Metacat's MNodeService.replicate() to queue requests  | Ben Leinfelder | 2012-04-24 18:00 | Metacat            |
| 2622 | Infrastructure | Story   | Closed   | Normal   | d1_replication should prioritize MN replication tasks based on load, failures, and bandwidth factors | Chris Jones    | 2012-05-21 16:22 | d1_replication     |
| 2607 | Infrastructure | Task    | Closed   | High     | Allow replica MNs access to system metadata of replica objects                                       | Chris Jones    | 2012-04-20 15:18 | Metacat            |
| 2602 | Infrastructure | Task    | Closed   | Normal   | Modify CA scripts to not include descriptive text in PEM output files                                | Matthew Jones  | 2012-04-23 16:56 | Support Operations |
| 2595 | Infrastructure | Task    | Closed   | Normal   | Create DNS entries for the USGS demo VMs   | Matthew Jones  | 2012-05-17 17:10 | Metacat            |

| #    | Project        | Tracker | Status   | Priority | Subject   | Assignee        | Updated          | Category            |
|------|----------------|---------|----------|----------|---|-----------------|------------------|---------------------|
| 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 Vieglaiss  | 2012-04-09 22:52 |                     |
| 2592 | Infrastructure | Task    | Closed   | Normal   | Prepare d1_client_cli for distribution for the workshop   | Andrew Pippin   | 2012-04-13 00:50 | d1_client_cli       |
| 2591 | Infrastructure | Task    | Closed   | Normal   | Prepare d1_client_r for distribution for the workshop   | Matthew Jones   | 2012-05-17 17:09 | d1_client_r         |
| 2590 | Infrastructure | Task    | Closed   | Normal   | Prepare a Metacat MN distribution for the workshop  | Chris Jones     | 2012-04-20 15:19 | Metacat             |
| 2589 | Infrastructure | Task    | Closed   | Normal   | Install USGS Member Node VMs for the workshop   | Matthew Jones   | 2012-05-17 17:10 |                     |
| 2588 | Infrastructure | Story   | Closed   | Normal   | Preparations for USGS workshop 04/2012  | Chris Jones     | 2012-05-17 17:10 |                     |
| 2553 | Infrastructure | Task    | Closed   | Low      | GMN returns an incorrect Content-Type header for XML content  | Roger Dahl      | 2014-01-17 16:22 | d1_mn_GMN           |
| 2507 | Infrastructure | Task    | Closed   | High     | CN synchronization should handle system metadata with existing obsoletes/obsoletedBy fields         | Chris Jones     | 2012-03-20 01:15 | Metacat             |
| 2499 | Infrastructure | Task    | Closed   | Normal   | MN.synchronizationFailed() should only be called by a CN  | Chris Jones     | 2012-03-16 18:42 | Metacat             |
| 2494 | Infrastructure | Task    | Closed   | Normal   | Fix CNReplication.setReplicationStatus() admin authorization  | Chris Jones     | 2012-03-19 14:46 | Metacat             |
| 2491 | Infrastructure | Task    | Closed   | Normal   | Evaluate ReplicationManager.createAndQueueTasks() for locking problems                              | Chris Jones     | 2012-03-19 15:03 | d1_replication      |
| 2490 | Infrastructure | Task    | Closed   | Normal   | ReplicationManagers on 3 CNs should only create one task per replica node                           | Chris Jones     | 2012-03-19 15:04 | d1_replication      |
| 2476 | Infrastructure | Task    | Closed   | Normal   | Metacat should handle "empty" failure strings correctly for CNReplication.setReplicationStatus()    | Chris Jones     | 2012-03-19 15:14 | Metacat             |
| 2434 | Infrastructure | Task    | Closed   | Low      | Ensure log rotation is reasonable for tomcat on MNs   | Chris Jones     | 2012-04-20 15:30 | Metacat             |
| 2417 | Infrastructure | Task    | Closed   | Normal   | Modify dataone-cn-portal debian scripts to be aware of the deployed environment and install status  | Ben Leinfelder  | 2012-03-01 22:10 | d1_cn_buildout      |
| 2404 | Infrastructure | Task    | Rejected | Normal   | Update metacat MN crontab entry syntax to not use "0/3" in the minutes field                        | Chris Jones     | 2012-02-24 19:43 | Metacat             |
| 2347 | Infrastructure | Task    | Closed   | Normal   | Configure the CN Sandbox portal correctly   | Chris Jones     | 2012-02-27 14:43 | d1_identity_manager |
| 2346 | Infrastructure | Task    | Closed   | Normal   | Modify dataone-cn-metacat debian scripts to be aware of the deployed environment and install status | Chris Jones     | 2012-03-26 16:50 | Metacat             |
| 2340 | Infrastructure | Task    | Closed   | Normal   | CN Sandbox RC2 CNCORE.getLogRecords() fails with 404 NotFound                                       |                 | 2012-02-29 16:15 |                     |
| 2339 | Infrastructure | Task    | Closed   | Normal   | CN Sandbox RC2 CNCORE.listChecksumAlgorithms() fails with 404 NotFound                              | Robert Waltz    | 2012-02-29 07:59 | d1_cn_service       |
| 2338 | Infrastructure | Task    | Closed   | Normal   | Deploy the CN stack on cn-sandbox-unm-1.dataone.org   | Chris Jones     | 2012-02-29 16:14 |                     |
| 2337 | Infrastructure | Task    | Closed   | Normal   | Deploy the CN stack on cn-sandbox-ucsb-1.dataone.org  | Chris Jones     | 2012-02-29 16:12 |                     |
| 2336 | Infrastructure | Task    | Closed   | Normal   | Deploy the CN stack on cn-sandbox-orc-1.dataone.org   | Chris Jones     | 2012-02-29 16:12 |                     |
| 2335 | Infrastructure | Story   | Closed   | Normal   | cn-sandbox environment needs deployment and testing for RC2   | Chris Jones     | 2012-02-29 16:20 |                     |
| 2311 | Infrastructure | Task    | Closed   | Normal   | Update cn-buildout with new urn-style node ids  | Chris Jones     | 2012-02-08 23:34 |                     |
| 2255 | Infrastructure | Story   | Closed   | Normal   | Metacat fails to register a node via the D1Admin class  | Chris Jones     | 2012-01-23 23:12 | Metacat             |

| #    | Project        | Tracker | Status   | Priority | Subject   | Assignee        | Updated          | Category           |
|------|----------------|---------|----------|----------|---|-----------------|------------------|--------------------|
| 2208 | Infrastructure | Task    | Closed   | Normal   | Reconcile the difference between count returned by CN.listObjects() and hzSystemMetadata.size() | Chris Jones     | 2012-01-12 17:25 | Metacat            |
| 2182 | Infrastructure | Task    | Closed   | Normal   | Coordinate d1_indexer locks in the process cluster  | Skye Roseboom   | 2012-01-13 18:43 | d1_indexer         |
| 2180 | Infrastructure | Task    | Closed   | Normal   | Coordinate d1_replication locks in the process cluster  | Chris Jones     | 2012-01-10 15:54 | d1_replication     |
| 2179 | Infrastructure | Task    | Closed   | Normal   | Use REST API calls from d1_replication for storage cluster writes                               | Chris Jones     | 2012-01-10 15:51 | d1_replication     |
| 2178 | Infrastructure | Task    | Rejected | Normal   | Use Lock.tryLock() (not Lock.lock()) in Metacat   | Chris Jones     | 2012-01-17 18:04 | Metacat            |
| 2177 | Infrastructure | Task    | Closed   | Normal   | Use Lock.tryLock() (not Lock.lock()) in d1_replication  | Chris Jones     | 2012-01-20 14:05 | d1_replication     |
| 2176 | Infrastructure | Task    | Closed   | Normal   | Ensure Metacat doesn't insert null SystemMetadata into Hazelcast                                | Chris Jones     | 2012-01-10 18:05 | Metacat            |
| 2166 | Infrastructure | Story   | Closed   | Normal   | Hazelcast cluster errors need to be isolated  | Chris Jones     | 2012-01-20 14:10 | d1_cn_service      |
| 2140 | Infrastructure | Task    | Closed   | Normal   | Add a NodeReplicationPolicy type  | Chris Jones     | 2011-12-13 08:16 | Documentation      |
| 2126 | Infrastructure | Task    | Closed   | Normal   | Modify Metacat's MNodeService.replicate() to check for the replica existence                    | Chris Jones     | 2012-01-03 16:57 | Metacat            |
| 2044 | Infrastructure | Story   | Closed   | Normal   | Command line client should support all sections of SystemMetadata                               | Roger Dahl      | 2011-11-22 16:10 | d1_client_cli      |
| 1999 | Infrastructure | Task    | Closed   | Normal   | Metacat needs to handle system metadata change notifications                                    | Ben Leinfelder  | 2011-11-23 19:59 | Metacat            |
| 1996 | Infrastructure | Task    | Closed   | Normal   | Update CNAuthorization proxy classes to support serialVersion additions                         | Chris Jones     | 2011-11-03 20:10 | d1_cn_service      |
| 1995 | Infrastructure | Task    | Closed   | Normal   | Update Metacat auth implementation to support serialVersion additions                           | Chris Jones     | 2011-11-03 14:37 | Metacat            |
| 1994 | Infrastructure | Task    | Closed   | Normal   | Update CNReplication proxy classes to support serialVersion additions                           | Chris Jones     | 2011-11-03 20:09 | d1_cn_service      |
| 1993 | Infrastructure | Task    | Closed   | Normal   | Update Metacat implementation to support serialVersion additions                                | Chris Jones     | 2011-11-03 14:22 | Metacat            |
| 1992 | Infrastructure | Task    | Closed   | Normal   | Update CNode implementation with serialVersion Additions  | Nicholas Dexter | 2011-11-03 13:44 | d1_libclient_java  |
| 1991 | Infrastructure | Task    | Closed   | Normal   | Update CNReplication and CNAuthorization interfaces with serialVersion change                   | Chris Jones     | 2011-11-02 22:54 |                    |
| 1978 | Infrastructure | Story   | Closed   | Normal   | CNReplication interface is missing updateReplicationMetadata()                                  | Chris Jones     | 2011-11-02 22:05 | d1_common_java     |
| 1969 | Infrastructure | Task    | Closed   | Normal   | Add MNStorage.updateSystemMetadata() method to documentation                                    | Dave Vieglaiss  | 2011-11-03 20:45 | Documentation      |
| 1966 | Infrastructure | Story   | Closed   | Normal   | CNs should keep all replica MNs up to date with SystemMetadata changes                          | Robert Waltz    | 2013-01-02 15:46 | d1_synchronization |
| 1954 | Infrastructure | Task    | Closed   | Normal   | CNReplication documentation needs clarification   | Dave Vieglaiss  | 2014-10-02 17:21 |                    |
| 1953 | Infrastructure | Task    | Closed   | Normal   | CNCore.updateSystemMetadata() - add to cross reference spreadsheet                              | Dave Vieglaiss  | 2014-10-02 17:21 |                    |
| 1846 | Infrastructure | Story   | Rejected | Normal   | CNReplication proxy classes need tests  | Chris Jones     | 2014-10-02 17:44 | d1_cn_service      |
| 1845 | Infrastructure | Task    | Closed   | Normal   | Manually test MN to MN replication  | Chris Jones     | 2011-11-22 17:42 | d1_integration     |

| #    | Project        | Tracker | Status   | Priority | Subject   | Assignee        | Updated          | Category       |
|------|----------------|---------|----------|----------|---|-----------------|------------------|----------------|
| 1844 | Infrastructure | Task    | Closed   | Normal   | Create a CNReplication integration test   | Chris Jones     | 2011-10-10 21:11 | d1_integration |
| 1843 | Infrastructure | Story   | Closed   | Normal   | MN to MN replication needs to be tested   | Chris Jones     | 2011-11-22 17:43 | d1_integration |
| 1842 | Infrastructure | Task    | Closed   | Normal   | Create a CNReplicationController for proxying replication requests                              | Chris Jones     | 2011-10-11 05:21 | d1_cn_service  |
| 1841 | Infrastructure | Task    | Closed   | Normal   | Implement the ProxyCNReplicationService interface for Metacat                                   | Chris Jones     | 2011-10-12 00:00 | d1_cn_service  |
| 1840 | Infrastructure | Task    | Closed   | Normal   | Create a proxy interface for CNReplication implementations                                      | Chris Jones     | 2011-10-10 20:51 | d1_cn_service  |
| 1839 | Infrastructure | Task    | Closed   | Normal   | Create a CNreplication servlet configuration file in CN Rest Service                            | Chris Jones     | 2011-10-11 05:31 | d1_cn_service  |
| 1838 | Infrastructure | Task    | Closed   | Normal   | Add CNreplication filter properties to CN Rest Service  | Chris Jones     | 2011-10-11 01:32 | d1_cn_service  |
| 1837 | Infrastructure | Task    | Closed   | Normal   | Add a CNreplication servlet to the CN Rest Service web.xml                                      | Chris Jones     | 2011-10-11 05:32 | d1_cn_service  |
| 1836 | Infrastructure | Story   | Closed   | Normal   | Enable CN Replication REST web service handling   | Chris Jones     | 2011-10-25 23:13 | d1_cn_service  |
| 1790 | Infrastructure | Task    | Closed   | Normal   | Create ReplicationManagerTest class to test ReplicationManager                                  | Nicholas Dexter | 2011-10-07 20:24 | d1_replication |
| 1789 | Infrastructure | Task    | Closed   | Normal   | Integrate replication queues and maps into Hazelcast processing cluster                         | Robert Waltz    | 2011-09-28 19:22 | d1_replication |
| 1788 | Infrastructure | Task    | Closed   | Normal   | Create a CNReplication tier 4 integration test  | Chris Jones     | 2012-01-03 16:49 | d1_integration |
| 1787 | Infrastructure | Task    | Rejected | Normal   | Create a callable CNReplicationTask class for remote execution                                  | Chris Jones     | 2012-01-03 16:52 | Metacat        |
| 1786 | Infrastructure | Task    | Rejected | Normal   | Use Hazelcast ExecutorService to update remote CN Metacat Science Metadata                      | Chris Jones     | 2012-01-03 16:54 |                |
| 1785 | Infrastructure | Task    | Rejected | Normal   | CN SystemMetadata synchronization when an offline CN comes online                               | Ben Leinfelder  | 2012-01-03 16:55 | Metacat        |
| 1784 | Infrastructure | Task    | Rejected | Normal   | Implement CNReplication in Metacat's CNodeService using Hazelcast                               | Chris Jones     | 2012-01-03 16:46 | d1_replication |
| 1783 | Infrastructure | Task    | Closed   | Normal   | Create the ReplicationManager class to manage MN ReplicationTasks                               | Chris Jones     | 2012-01-03 16:48 | d1_replication |
| 1782 | Infrastructure | Task    | Closed   | Normal   | CN Replication components should be separated for scalability                                   | Chris Jones     | 2012-01-03 16:55 | d1_replication |
| 1781 | Infrastructure | Task    | Closed   | Normal   | Add the Metacat hzObjectPaths map to the hazelcast config file                                  | Rob Nahf        | 2011-09-16 17:07 | d1_common_java |
| 1780 | Infrastructure | Task    | Closed   | Normal   | Create Metacat ObjectPathMap loader class   | Rob Nahf        | 2011-09-16 17:10 | Metacat        |
| 1779 | Infrastructure | Story   | Closed   | Normal   | Create access to Metacat object file paths through Hazelcast                                    | Rob Nahf        | 2011-09-16 17:49 | d1_indexer     |
| 1778 | Infrastructure | Task    | Closed   | Normal   | Implement setReplicationPolicy() in CN service  | Chris Jones     | 2011-10-10 16:37 |                |
| 1776 | Infrastructure | Task    | Closed   | Normal   | Strengthen ReplicationService.entry*() methods to create ReplicationTasks only when appropriate | Nicholas Dexter | 2011-09-13 14:32 |                |
| 1775 | Infrastructure | Task    | Closed   | Normal   | Change setReplicationStatus signature to include targetNode                                     | Nicholas Dexter | 2011-09-08 15:42 |                |
| 1774 | Infrastructure | Task    | Closed   | Normal   | Move isReplicationAuthorized() to isNodeAuthorized() to the CNReplication API                   | Nicholas Dexter | 2011-09-08 15:43 |                |
| 1720 | Infrastructure | Task    | Closed   | Normal   | Implement the Hazelcast Map[Store Loader] interface for the replication task queue              | Chris Jones     | 2011-09-07 20:21 |                |

| #    | Project        | Tracker | Status   | Priority | Subject   | Assignee        | Updated          | Category          |
|------|----------------|---------|----------|----------|---|-----------------|------------------|-------------------|
| 1719 | Infrastructure | Task    | Closed   | Normal   | Update the 09 Use Case replication sequence diagram and text                        | Nicholas Dexter | 2011-09-07 18:00 |                   |
| 1718 | Infrastructure | Task    | Closed   | Normal   | Create Hazelcast replication configuration that uses TCP vs multicast               | Chris Jones     | 2011-09-07 20:17 |                   |
| 1717 | Infrastructure | Task    | Closed   | Normal   | Add CNReplication.isReplicationAuthorized() to the API                              | Nicholas Dexter | 2011-09-02 18:00 |                   |
| 1712 | Infrastructure | Task    | Closed   | Normal   | Add MNReplication.getReplica() method   | Nicholas Dexter | 2011-09-07 20:19 |                   |
| 1661 | Infrastructure | Task    | Closed   | Normal   | Update Metacat MNodeService.synchronizationFailed() with CN URL                     | Chris Jones     | 2011-07-29 15:20 | Metacat           |
| 1656 | Infrastructure | Story   | Closed   | Normal   | SynchronizationFailed exception should explicitly include the calling CN URL        |                 | 2011-07-29 17:37 | d1_common_java    |
| 1654 | Infrastructure | Task    | Closed   | Normal   | Create Metacat CN impl classes  | Chris Jones     | 2011-07-11 18:20 |                   |
| 1653 | Infrastructure | Task    | Closed   | Normal   | Create Metacat MN impl classes  | Chris Jones     | 2011-09-01 15:33 |                   |
| 1652 | Infrastructure | Story   | Closed   | Normal   | Refactor Metacat MN and CN classes to reflect 0.6.2 API                             | Chris Jones     | 2011-09-01 15:33 |                   |
| 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 |                   |
| 1648 | Java Client    | Task    | New      | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                   |                 | 2016-06-22 16:51 | d1_libclient_java |
| 1647 | Java Client    | Task    | New      | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                |                 | 2016-06-22 16:51 | d1_common_java    |
| 1646 | Infrastructure | Task    | New      | Normal   | Add addFormat() to the CNCORE API   |                 | 2016-06-22 16:51 |                   |
| 1644 | DataONE API    | Story   | New      | Normal   | Develop an object format creation policy  |                 | 2018-01-17 20:46 |                   |
| 1643 | Infrastructure | Task    | Closed   | Normal   | Add 'isScienceMetadata' field to the ObjectFormat type                              | Chris Jones     | 2011-06-13 23:39 |                   |
| 1638 | Infrastructure | Task    | Closed   | Normal   | Migrate ObjectFormatService in Metacat to CNCOREImpl                                |                 | 2011-06-15 14:53 |                   |
| 1594 | Infrastructure | Task    | Closed   | Normal   | Add an ObjectFormatCache to d1_libclient_java                                       | Chris Jones     | 2011-05-27 15:31 | d1_libclient_java |
| 1593 | Infrastructure | Task    | Closed   | Normal   | Add an ObjectFormatDisk Cache to d1_common_java                                     | Chris Jones     | 2011-05-25 19:36 | d1_common_java    |
| 1464 | Infrastructure | Task    | Closed   | Normal   | Write unit tests for listFormats() and getFormat()                                  | Chris Jones     | 2011-06-15 14:52 | d1_libclient_java |
| 1455 | Infrastructure | Task    | Closed   | Normal   | Update D1 libraries to use CN object format service                                 | Robert Waltz    | 2011-08-30 17:12 | d1_cn_service     |
| 1454 | Infrastructure | Task    | Closed   | Normal   | Replicate state changes in the object format list across CNs                        | Chris Jones     | 2011-06-03 14:49 | d1_cn_service     |
| 1453 | Infrastructure | Task    | Closed   | Normal   | Proxy the Metacat ObjectFormatService as a D1 CN service                            | Robert Waltz    | 2011-06-21 15:05 | d1_cn_service     |
| 1452 | Infrastructure | Task    | Closed   | Normal   | Replace ObjectFormat calls with ObjectFormatService calls in Metacat                | Chris Jones     | 2011-05-27 15:48 | Metacat           |
| 1451 | Infrastructure | Task    | Closed   | Normal   | Add an object format service to Metacat   | Chris Jones     | 2011-06-03 14:47 | d1_cn_service     |
| 1378 | Infrastructure | Story   | Closed   | Normal   | Adding new object formats shouldn't require buildout                                | Robert Waltz    | 2011-08-30 17:31 | d1_schemas        |
| 1376 | Infrastructure | Bug     | Rejected | Normal   | Stylesheets on CNs need to resolve and link to MN data                              |                 | 2014-10-02 17:37 | Metacat           |