

## Issues

| #    | Project        | Tracker      | Status      | Priority  | Subject   | Assignee      | Updated          | Category                |
|------|----------------|--------------|-------------|-----------|---|---------------|------------------|-------------------------|
| 4210 | Infrastructure | Task         | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()                          | Chris Jones   | 2013-12-20 16:12 | Metacat                 |
| 3521 | Member Nodes   | MNDeployment | Operational | Immediate | SEAD Member Node  | Laura Moyers  | 2019-06-05 17:46 |                         |
| 3492 | Infrastructure | Bug          | In Progress | Urgent    | Invalid PIDs in production (whitespace)   | Jing Tao      | 2017-04-27 15:31 | Support Operations      |
| 8696 | Infrastructure | Bug          | New         | Urgent    | double indexing of a resource map and another not processed because of resource contention (lock) on member | Rob Nahf      | 2018-09-12 00:22 | d1_indexer              |
| 4674 | Infrastructure | Bug          | New         | Urgent    | Ask Judith, Mike and Virginia Perez.2.1 to obsolete those pids which contain the white spaces.              | Jing Tao      | 2017-05-04 18:01 | d1_cn_service           |
| 3118 | Member Nodes   | MNDeployment | Operational | Urgent    | Dryad Member Node   | Laura Moyers  | 2019-03-05 18:37 |                         |
| 8867 | CN REST        | Bug          | New         | High      | CNCore.listChecksumAlgorithms() returns incorrect list  | Jing Tao      | 2020-08-06 00:06 | d1_cn_rest              |
| 8722 | Infrastructure | Bug          | New         | High      | Object in search index but systemmetadata is not available.   | Jing Tao      | 2018-10-03 17:48 |                         |
| 8195 | Infrastructure | Bug          | In Progress | High      | Tomcat out of memory error  | Dave Viegla   | 2017-12-26 20:01 |                         |
| 8824 | Infrastructure | Task         | In Progress | High      | Install Apache 2.4.39 and disable TLSv1.3 on CNs  | Dave Viegla   | 2019-06-19 12:11 |                         |
| 8655 | Infrastructure | Bug          | New         | High      | Synchronization died with OOM   |               | 2018-07-13 11:24 |                         |
| 1556 | Infrastructure | Task         | In Progress | High      | Interns mailing list  |               | 2011-05-12 23:02 |                         |
| 7601 | Infrastructure | Bug          | New         | High      | CN checksum inconsistencies   | Dave Viegla   | 2016-01-26 19:29 |                         |
| 8823 | Infrastructure | Story        | New         | High      | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                                   | Dave Viegla   | 2019-06-19 02:43 |                         |
| 7919 | Infrastructure | Bug          | New         | High      | unloadable system metadata in CNs by Hazelcast  |               | 2016-11-01 19:30 | Metacat                 |
| 8076 | Infrastructure | Bug          | New         | High      | sysmeta can not be retrieved for some objects   | Dave Viegla   | 2017-04-22 01:54 | dataone-cn-rest-service |
| 8525 | Infrastructure | Story        | In Progress | High      | timeout exceptions thrown from Hazelcast disable synchronization  | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization      |
| 8026 | Infrastructure | Task         | Testing     | High      | Portal reaches the maximum capacity in a pool   | Jing Tao      | 2017-03-14 00:36 | d1_portal_servlet       |
| 8500 | Infrastructure | Bug          | New         | High      | Geohash not calculated properly   | Jing Tao      | 2018-03-14 17:06 | d1_indexer              |
| 3675 | Infrastructure | Bug          | New         | High      | package relationships not available for archived objects  | Rob Nahf      | 2018-09-21 21:01 | d1_indexer              |
| 8173 | Infrastructure | Story        | New         | High      | add checks for retrograde systemMetadata changes  | Jing Tao      | 2018-01-17 18:38 | d1_indexer              |
| 6548 | Member Nodes   | MNDeployment | Operational | High      | R2R Repository  | Monica Ihli   | 2018-07-26 13:49 |                         |
| 3238 | Member Nodes   | MNDeployment | Operational | High      | Idaho Northwest Knowledge Network member node   | Amy Forrester | 2019-10-08 15:14 |                         |
| 3906 | Member Nodes   | Task         | New         | High      | Update malformed Resource Maps  |               | 2013-08-09 17:50 |                         |
| 7046 | Member Nodes   | Task         | New         | High      | Certificate DC=org,DC=dataone,CN=osu.piscoweb.org expires in Prod environment                               | Laura Moyers  | 2015-04-20 16:54 |                         |

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| 3556 | Member Nodes | MNDeployments | Operational | High     | ESA Data Registry  | Amy Forrester  | 2019-10-08 15:28 |             |
| 3221 | Member Nodes | MNDeployments | Operational | High     | EDAC member node   | Amy Forrester  | 2018-08-31 15:15 |             |
| 3554 | Member Nodes | MNDeployments | Operational | High     | KNB  | Jing Tao       | 2018-08-31 15:16 |             |
| 3664 | Member Nodes | MNDeployments | New         | High     | Landcare Research New Zealand  | Laura Moyers   | 2015-11-19 19:39 |             |
| 8622 | Member Nodes | Bug           | New         | High     | IOE repository is not responding   | Amy Forrester  | 2019-03-05 20:54 |             |
| 3553 | Member Nodes | MNDeployments | Operational | High     | PISCO  | Laura Moyers   | 2018-01-10 01:13 |             |
| 6853 | Member Nodes | MNDeployments | New         | High     | OBIS (Ocean Biogeographic Information System)  | Laura Moyers   | 2015-11-19 17:46 |             |
| 3232 | Member Nodes | MNDeployments | Operational | High     | LTER-EUROPE  | Laura Moyers   | 2018-11-21 16:58 |             |
| 6544 | Member Nodes | MNDeployments | Operational | High     | TERN Australia (powered by AEKOS)  | Bruce Wilson   | 2019-05-22 14:21 |             |
| 3555 | Member Nodes | MNDeployments | Operational | High     | SANParks   | Laura Moyers   | 2018-05-09 21:19 |             |
| 6485 | Member Nodes | MNDeployments | Operational | High     | The Digital Archaeology Record (tDAR)  | Laura Moyers   | 2019-10-09 02:24 |             |
| 3558 | Member Nodes | MNDeployments | Operational | High     | CDL Merritt  | Laura Moyers   | 2018-08-23 17:05 |             |
| 8829 | Member Nodes | Task          | New         | High     | get DKAN connected to GMN  | John Evans     | 2019-09-03 13:24 |             |
| 7686 | Member Nodes | Task          | Testing     | High     | tDAR - Enable URL links out to data from search results  | Ben Leinfelder | 2016-09-27 15:56 |             |
| 7738 | Python GMN   | Bug           | New         | High     | GMN perpetually retries system metadata updates after failures   | Roger Dahl     | 2016-04-14 14:26 |             |
| 7651 | Python GMN   | Bug           | New         | High     | GMN returns two different dateSysMetadataModified dateTime stamps for same object                        | Roger Dahl     | 2016-04-14 14:17 |             |
| 7740 | Python GMN   | Bug           | New         | High     | GMN fails to write system metadata during a refresh under unknown conditions                             | Roger Dahl     | 2016-04-14 14:56 |             |
| 770  | Requirements | Requirement   | New         | High     | (Requirement) Authorization system should be able to express the pseudo-principal concepts like 'public' | Dave Vieglaiss | 2010-08-11 00:41 | Requirement |
| 392  | Requirements | Requirement   | New         | High     | (Requirement) Identity and access control should be interoperable across datanets                        | Dave Vieglaiss | 2010-09-06 20:31 | Requirement |
| 777  | Requirements | Requirement   | New         | High     | (Requirement) Authorization rules should support common permission levels                                | Dave Vieglaiss | 2010-09-06 20:49 | Requirement |
| 768  | Requirements | Requirement   | New         | High     | (Requirement) Need default authz policies that resolve problems associated with inaccessible principals  | Dave Vieglaiss | 2010-08-11 00:34 | Requirement |
| 391  | Requirements | Requirement   | New         | High     | (Requirement) Enable different classes of users commensurate with their roles.                           | Dave Vieglaiss | 2010-09-06 20:51 | Requirement |
| 767  | Requirements | Requirement   | New         | High     | (Requirement) Users need to be able to express embargo rules for data                                    | Dave Vieglaiss | 2010-08-11 00:16 | Requirement |

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| 769  | Requirements | Requirement | New         | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators  | Dave Viegla    | 2010-09-06 03:02 | Requirement    |
| 771  | Requirements | Requirement | New         | High     | (Requirement) User identities should have simple string serializations that express both the user identity and namespace from which it is drawn      | Dave Viegla    | 2010-09-06 03:12 | Requirement    |
| 762  | Requirements | Requirement | New         | High     | (Requirement) User identities can be derived from existing institutional directory services  | Dave Viegla    | 2010-09-06 03:01 | Requirement    |
| 820  | Requirements | Requirement | New         | High     | (Requirement) Common API for authentication and authorization operations   | Dave Viegla    | 2010-09-06 21:23 | Requirement    |
| 763  | Requirements | Requirement | New         | High     | (Requirement) Authentication and authorization services are geographically replicated  | Dave Viegla    | 2010-09-06 20:52 | Requirement    |
| 766  | Requirements | Requirement | New         | High     | (Requirement) Users should be able to easily assign proxy privileges to other users and to systems acting on their behalf for limited time durations | Dave Viegla    | 2010-08-11 00:11 | Requirement    |
| 390  | Requirements | Requirement | New         | High     | (Requirement) Consistent mechanism for identifying users   | Dave Viegla    | 2010-09-06 20:50 | Requirement    |
| 761  | Requirements | Requirement | New         | High     | (Requirement) Users can specify authorization rules for data objects, science metadata objects, and process artifacts separately                     | Dave Viegla    | 2010-09-06 03:06 | Requirement    |
| 765  | Requirements | Requirement | New         | High     | (Requirement) Tools can access an API for authn and authz  | Dave Viegla    | 2010-09-06 20:30 | Requirement    |
| 764  | Requirements | Requirement | New         | High     | (Requirement) Authentication and access control should be consistently available   | Dave Viegla    | 2010-09-06 20:32 | Requirement    |
| 772  | Requirements | Requirement | New         | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications   | Dave Viegla    | 2010-08-11 07:54 | Requirement    |
| 393  | Requirements | Requirement | New         | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.   | Dave Viegla    | 2010-09-06 20:27 | Requirement    |
| 795  | Requirements | Requirement | New         | High     | (Requirement) System must support revocation of user permissions   | Dave Viegla    | 2010-08-29 20:45 | Requirement    |
| 821  | Requirements | Requirement | New         | High     | (Requirement) Sponsor required functionality   | Dave Viegla    | 2010-09-06 03:28 | d1_common_java |
| 318  | Requirements | Requirement | New         | High     | (Requirement) Sponsor required Y1 functionality  | Dave Viegla    | 2010-09-06 03:24 | d1_common_java |
| 822  | Requirements | Requirement | New         | High     | (Requirement) Object access and manipulation should be responsive  | Dave Viegla    | 2010-09-06 20:27 | d1_common_java |
| 384  | Requirements | Requirement | New         | High     | (Requirement) Enable efficient mechanisms for users to discover content  | Dave Viegla    | 2010-09-06 03:58 | d1_common_java |
| 411  | Requirements | Requirement | New         | High     | (Requirement) The infrastructure must survive destruction of one or more data storage nodes  | Dave Viegla    | 2010-09-06 03:10 | d1_common_java |
| 592  | Requirements | Requirement | New         | High     | DataONE needs to synchronize metadata between MNs and CNs  | Robert Waltz   | 2010-09-06 02:28 | d1_cn_service  |
| 2414 | CN REST      | Task        | New         | Normal   | Implement exceptions for search/solr endpoint  | Skye Roseboom  | 2015-01-19 22:49 |                |
| 1479 | CN REST      | Task        | In Progress | Normal   | Design web UI for validating newly created identities  | Ben Leinfelder | 2015-01-19 22:59 |                |
| 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 |                |
| 7096 | CN REST      | Task        | New         | Normal   | Unexpectedly closed streams / disconnects on UNM network   | Dave Viegla    | 2015-05-12 17:49 |                |
| 8810 | CN REST      | Task        | New         | Normal   | Verify configuration of portal certificates  |                | 2019-05-21 13:00 |                |

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| 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 |                        |
| 8749 | CN REST | Story   | New         | Normal   | Fix log aggregation events from the CN without associated CN IPs  | Dave Vieglaiss | 2019-05-01 22:25 |                        |
| 7440 | CN REST | Bug     | New         | Normal   | Non-discernable error during synchronization affecting (mostly) urn:node:mnTestAEKOS - "Client is shutdown."                        |                | 2015-10-20 14:46 |                        |
| 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 |                        |
| 8809 | CN REST | Task    | New         | Normal   | Adjust portal.properties for certificate configuration  |                | 2019-05-21 12:57 |                        |
| 7849 | CN REST | Task    | New         | Normal   | Improve exception messages when cascading SSL derived exceptions  | Rob Nahf       | 2016-07-19 17:23 |                        |
| 1412 | CN REST | Task    | New         | Normal   | MN health check performed by CN   | Robert Waltz   | 2015-01-19 23:06 |                        |
| 2415 | CN REST | Task    | New         | Normal   | Implement exceptions for log endpoint   | Robert Waltz   | 2015-01-19 22:49 |                        |
| 7571 | CN REST | Task    | New         | Normal   | Description for error code 401, detail code 4957 is misleading in some cases  |                | 2016-01-05 16:25 |                        |
| 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 |                        |
| 2168 | CN REST | Task    | New         | Normal   | Design UI for identity validation   | Ben Leinfelder | 2015-01-19 22:59 |                        |
| 5739 | CN REST | Bug     | New         | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core   | Robert Waltz   | 2015-01-19 23:05 |                        |
| 7911 | CN REST | Task    | New         | Normal   | Synchronization allows invalid checksums, preventing corrected sync   |                | 2016-10-17 15:58 | d1_synchronization     |
| 7687 | CN REST | Bug     | New         | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification  | Rob Nahf       | 2016-07-22 19:22 | d1_synchronization     |
| 7161 | CN REST | Bug     | New         | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized  |                | 2015-06-05 18:04 | d1_synchronization     |
| 8864 | CN REST | Story   | New         | Normal   | Sychronization does not register authoritative replica entry correctly  | Jing Tao       | 2020-06-19 21:59 | d1_synchronization     |
| 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 |
| 8582 | CN REST | Story   | New         | Normal   | Replica Auditing service is throwing errors   | Jing Tao       | 2019-01-14 16:40 | d1_replication_auditor |
| 8756 | CN REST | Story   | New         | Normal   | Ensure replica auditor is effective   | Chris Jones    | 2019-01-15 21:00 | d1_replication_auditor |
| 8364 | CN REST | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |                | 2019-05-21 12:57 | d1_portal_servlet      |
| 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      |
| 8860 | CN REST | Bug     | New         | Normal   | /token endpoint doesn't set a content-type and character encoding   |                | 2020-02-29 01:00 | d1_portal              |
| 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    |
| 8771 | CN REST | Story   | New         | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`   | Dave Vieglaiss | 2019-03-05 19:43 | d1_cn_rest             |
| 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             |

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| 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            |
| 8698 | CN REST     | Bug     | New         | Normal   | CN Performance degradation   |                | 2018-09-13 21:05 | d1_cn_rest            |
| 7489 | CN REST     | Bug     | New         | Normal   | processing daemon common-logging misconfigured   | Robert Waltz   | 2016-01-21 17:18 | d1_cn_process_daemon  |
| 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    |
| 8733 | CN REST     | Bug     | New         | Normal   | Exception handling in ForesiteResourceMap needs improvement  | Jing Tao       | 2018-10-12 20:09 | d1_cn_index_processor |
| 8740 | CN REST     | Bug     | New         | Normal   | CN resolve service returning 404 for some pids   |                | 2019-01-22 18:41 | cn_metacat            |
| 7918 | CN REST     | Bug     | New         | Normal   | SEAD object only partially synchronized - missing autogen.2016092916012224122 document from /var/metacat/documents   | Dave Vieglaiss | 2016-10-21 18:00 | cn_metacat            |
| 8583 | DataONE API | Feature | New         | Normal   | Provide some mechanism for diagnosing correctness of MN certificates   | Dave Vieglaiss | 2018-05-02 03:18 |                       |
| 6759 | DataONE API | Story   | New         | Normal   | ObjectFormat Management  | Dave Vieglaiss | 2015-01-19 23:17 |                       |
| 8528 | DataONE API | Task    | New         | Normal   | Add MNRead.getVersions, CNRead.getVersions   |                | 2018-04-03 19:26 |                       |
| 1443 | DataONE API | Task    | New         | Normal   | Identify operational requirements for monitoring and logging   | Dave Vieglaiss | 2015-01-19 23:06 |                       |
| 1644 | DataONE API | Story   | New         | Normal   | Develop an object format creation policy   |                | 2018-01-17 20:46 |                       |
| 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 |                       |
| 1442 | DataONE API | Task    | New         | Normal   | Identify monitoring and logging use cases and requirements   | Dave Vieglaiss | 2015-01-19 23:06 |                       |
| 3658 | DataONE API | Bug     | New         | Normal   | Deleting objects breaks obsoletes chain traversal  | Chris Jones    | 2015-01-19 22:29 |                       |
| 8529 | DataONE API | Task    | New         | Normal   | Add field to Solr index that includes the obsolescence chain   |                | 2018-04-10 05:21 |                       |
| 7838 | DataONE API | Task    | New         | Normal   | Modify the obsolescence chain process to accommodate the use case where both old and new PIDs are present on the CN for v1 MNs                                       | Dave Vieglaiss | 2016-06-29 02:20 |                       |
| 7127 | DataONE API | Task    | New         | Normal   | Finalize CNAAuthentication interface   | Dave Vieglaiss | 2015-05-21 19:31 | api_documentation     |
| 7839 | DataONE API | Task    | New         | Normal   | Online documentation places synchronize in CNRead api  | Dave Vieglaiss | 2016-12-21 09:04 | api_documentation     |
| 7578 | DataONE API | Bug     | New         | Normal   | Fix 404 link to d1_instance_generator folder in documentation  |                | 2016-01-08 22:01 | api_documentation     |
| 7528 | DataONE API | Bug     | New         | Normal   | Incorrect argument name documented for CNCore.reserveldentier  |                | 2015-12-08 19:51 | api_documentation     |
| 7473 | DUG         | Task    | New         | Normal   | Draft 2016 DUG annual meeting brochure   |                | 2015-11-09 22:38 |                       |
| 7525 | DUG         | Task    | New         | Normal   | assessment effort update   |                | 2015-12-07 22:25 |                       |
| 7863 | DUG         | Task    | New         | Normal   | Link to the recordings   |                | 2016-08-09 20:40 |                       |
| 7925 | DUG         | Task    | New         | Normal   | Data Center certification  |                | 2016-11-08 21:33 |                       |
| 7474 | DUG         | Task    | New         | Normal   | Draft generic letter of invitation that DUG SC can carry and distribute widely.  |                | 2015-11-09 22:38 |                       |
| 7909 | DUG         | Task    | New         | Normal   | DataONE update audio/visual equipment for remote link  |                | 2016-10-11 20:49 |                       |
| 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 |                       |

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| 7907 | DUG            | Task    | New         | Normal   | Doodle poll on the time/date for monthly meeting  |                | 2016-10-11 20:35 |          |
| 7908 | DUG            | Task    | New         | Normal   | Start a lesson learned document   |                | 2016-10-11 20:35 |          |
| 7524 | DUG            | Task    | New         | Normal   | Explore crowd sourcing for future DUG marketing effort  |                | 2015-12-07 22:25 |          |
| 7800 | DUG            | Task    | New         | Normal   | abstract reviews<br>( <a href="https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcv0KVO4TeahHVA/edit">https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcv0KVO4TeahHVA/edit</a> ) |                | 2016-05-10 15:18 |          |
| 7864 | DUG            | Task    | New         | Normal   | DOI Services for Members  |                | 2016-08-09 20:40 |          |
| 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 |          |
| 7476 | DUG            | Task    | New         | Normal   | Do we need an event management system to better organize the DUG?   |                | 2015-11-09 22:43 |          |
| 7484 | DUG            | Task    | New         | Normal   | DUG Agenda  |                | 2015-11-10 21:39 |          |
| 7475 | DUG            | Task    | New         | Normal   | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC  |                | 2015-11-09 22:38 |          |
| 7862 | DUG            | Task    | New         | Normal   | DataONE DUG page may need updating<br>( <a href="https://www.dataone.org/dataone-users-group">https://www.dataone.org/dataone-users-group</a> )   |                | 2016-08-08 15:00 |          |
| 7531 | DUG            | Task    | New         | Normal   | Quote request for EAB meeting   |                | 2015-12-08 20:13 |          |
| 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 |          |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping  | Matthew Jones  | 2014-10-01 20:47 |          |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents  | Ben Leinfelder | 2012-07-31 01:34 |          |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification  | Matthew Jones  | 2014-10-01 20:47 |          |
| 8853 | Infrastructure | Story   | New         | Normal   | Make cn.resolve smarter   |                | 2019-11-15 16:50 |          |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2   | Andrew Pippin  | 2012-08-02 17:27 |          |
| 3380 | Infrastructure | Task    | New         | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x   | Dave Viegla    | 2012-12-12 16:50 |          |
| 8215 | Infrastructure | Bug     | New         | Normal   | Consider how Subjects are compared (e.g. HTTP vs. HTTPS ORCID URIs)   |                | 2017-11-07 22:11 |          |
| 1520 | Infrastructure | Task    | New         | Normal   | Stream Output   |                | 2011-05-04 14:35 |          |
| 6565 | Infrastructure | Task    | New         | Normal   | Configure Jenkins jobs for ezid (ezid-client)   | Rob Nahf       | 2014-12-15 18:36 |          |
| 4704 | Infrastructure | Task    | New         | Normal   | Create a view of MN holdings from a CN perspective  | Dave Viegla    | 2014-04-09 15:33 |          |
| 4711 | Infrastructure | Task    | New         | Normal   | replace SSL Certs for cn-unm-1.dataone.org  |                | 2014-09-24 18:14 |          |
| 4675 | Infrastructure | Task    | New         | Normal   | Administratively delete those pids with the white spaces  |                | 2014-09-24 18:09 |          |
| 4713 | Infrastructure | Task    | New         | Normal   | replace SSL cert fo cn-orc-1.dataone.org  |                | 2014-09-24 18:14 |          |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs   |                | 2010-10-21 14:55 |          |

| #    | Project        | Tracker  | Status      | Priority | Subject  | Assignee          | Updated          | Category |
|------|----------------|----------|-------------|----------|--|-------------------|------------------|----------|
| 995  | Infrastructure | Task     | New         | Normal   | implement JSON formatted OLLs  |                   | 2010-10-25 16:45 |          |
| 6041 | Infrastructure | Bug      | New         | Normal   | obsoletedBy field serialized with newline after pid  | Robert Waltz      | 2014-09-25 17:36 |          |
| 8308 | Infrastructure | Task     | New         | Normal   | Review use of /node/subject in the node documents  |                   | 2018-02-06 20:05 |          |
| 6025 | Infrastructure | Task     | In Progress | Normal   | Implement support for CCI v2.0 in Python stack   | Roger Dahl        | 2014-08-01 15:49 |          |
| 8070 | Infrastructure | Task     | New         | Normal   | Consolidate the index application-context files  | Jing Tao          | 2017-04-13 12:51 |          |
| 1762 | Infrastructure | Task     | New         | Normal   | Sketch CN components and associations  | Dave Vieglaiss    | 2014-10-02 17:40 |          |
| 8848 | Infrastructure | Story    | New         | Normal   | A minor difference of annotation index between CN and MN   |                   | 2019-11-01 21:37 |          |
| 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 |          |
| 8369 | Infrastructure | Task     | New         | Normal   | Verify operation and transfer DNS  | Dave Vieglaiss    | 2018-02-15 17:40 |          |
| 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 ProxyCNCService and CNCController to include addFormat()                        |                   | 2016-06-22 16:51 |          |
| 8616 | Infrastructure | Decision | New         | Normal   | Consider expanding isotc211's indexing component's keyword XPath to cover topicCategories            |                   | 2018-06-15 00:13 |          |
| 1649 | Infrastructure | Task     | New         | Normal   | Update Metacat's CNCImpl to include addFormat()  |                   | 2016-06-22 16:51 |          |
| 8842 | Infrastructure | Story    | New         | Normal   | Some exceptions in Metacat   |                   | 2019-09-19 17:53 |          |
| 7922 | Infrastructure | Task     | New         | Normal   | DataONE Accessibility  | Isis Serna        | 2016-10-31 23:05 |          |
| 8753 | Infrastructure | Task     | New         | Normal   | Add support for EML 2.2 (indexing, view)   | Bryce Mecum       | 2018-12-19 00:54 |          |
| 1646 | Infrastructure | Task     | New         | Normal   | Add addFormat() to the CNC API   |                   | 2016-06-22 16:51 |          |
| 3166 | Infrastructure | Task     | New         | Normal   | Add d1_common_java and d1_libclient_java and their dependency jar                                    |                   | 2012-08-31 17:15 |          |
| 7883 | Infrastructure | Task     | New         | Normal   | Document the log files of relevance on Coordinating Nodes  |                   | 2016-09-09 20:20 |          |
| 6705 | Infrastructure | Decision | New         | Normal   | What behavior should be when a user request a sid when all the pids matching the sid were obsoleted  |                   | 2014-12-10 20:08 |          |
| 8849 | Infrastructure | Story    | New         | Normal   | During sync, the CN does not detect error returned from getChecksum()                                | Jing Tao          | 2019-11-06 22:07 |          |
| 7850 | Infrastructure | Task     | New         | Normal   | Passing SID to MNRead.systemMetadataChanged()  | Dave Vieglaiss    | 2016-07-20 20:00 |          |
| 4715 | Infrastructure | Task     | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN   | Chris Jones       | 2014-09-24 18:14 |          |
| 3142 | Infrastructure | Task     | New         | Normal   | Need a new local search mechanism  |                   | 2013-03-02 05:15 |          |
| 8782 | Infrastructure | Story    | New         | Normal   | Upgrade OS to Ubuntu 18.04 on CNs  | Jing Tao          | 2019-03-22 18:12 |          |
| 8746 | Infrastructure | Task     | New         | Normal   | Require email address from user when logging in via ORCID  |                   | 2018-11-16 05:57 |          |
| 8755 | Infrastructure | Task     | New         | Normal   | Expand EML indexing support for EML 2.2  | Bryce Mecum       | 2019-08-15 01:50 |          |
| 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 |          |
| 6483 | Infrastructure | Task     | New         | Normal   | DataONE xsede VM at ORC  | Michael Campfield | 2014-10-24 10:54 |          |

| #    | Project        | Tracker  | Status      | Priority | Subject   | Assignee      | Updated          | Category |
|------|----------------|----------|-------------|----------|---|---------------|------------------|----------|
| 8206 | Infrastructure | Task     | New         | Normal   | Review and adjust memory allocation to Solr and zookeeper   |               | 2017-10-24 16:03 |          |
| 8210 | Infrastructure | Feature  | New         | Normal   | Generate daily reports by member node of discrepancies between CN vs MN content                           |               | 2017-10-25 18:50 |          |
| 8204 | Infrastructure | Story    | New         | Normal   | Adjust memory allocation for services running under JVM on CNs  |               | 2018-01-09 19:10 |          |
| 3108 | Infrastructure | Task     | New         | Normal   | lastHarvested date is always equal to the current time.   | Dave Viegla   | 2012-07-30 22:11 |          |
| 1521 | Infrastructure | Task     | New         | Normal   | Compressed Response   |               | 2011-05-04 14:35 |          |
| 8808 | Infrastructure | Task     | New         | Normal   | Remove old versions of Tomcat   |               | 2019-05-21 12:49 |          |
| 7810 | Infrastructure | Story    | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation                              | Rob Nahf      | 2018-01-17 19:09 |          |
| 3080 | Infrastructure | Task     | New         | Normal   | Calling Dataone client library in morpho  |               | 2013-03-02 05:28 |          |
| 7774 | Infrastructure | Task     | New         | Normal   | GMN: Move to Let's Encrypt  |               | 2016-05-09 22:16 |          |
| 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 |          |
| 7767 | Infrastructure | Task     | New         | Normal   | In DataONE search results, move map display to map extent   | Dave Viegla   | 2016-05-04 18:31 |          |
| 3115 | Infrastructure | Task     | New         | Normal   | Get R client into working state.  | Andrew Pippin | 2012-08-02 17:32 |          |
| 8505 | Infrastructure | Task     | New         | Normal   | Review solr terms for coverage of data citation elements  | Monica Ihli   | 2018-03-19 21:57 |          |
| 8207 | Infrastructure | Story    | New         | Normal   | review and adjust memory allocated to d1-processing   |               | 2018-01-09 19:10 |          |
| 4723 | Infrastructure | Task     | New         | Normal   | MN recognition of CN  | Dave Viegla   | 2014-10-02 17:21 |          |
| 4712 | Infrastructure | Task     | New         | Normal   | replace SSL cert for cn-ucsb-1.dataone.org  |               | 2014-09-24 18:14 |          |
| 8168 | Infrastructure | Task     | New         | Normal   | Evaluate options for postgres replication configuration   | Monica Ihli   | 2017-09-01 15:11 |          |
| 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 |          |
| 8774 | Infrastructure | Decision | New         | Normal   | Add new CN format for MPEG-2 or update video/mpeg format to cover MPEG-2                                  |               | 2019-03-08 16:03 |          |
| 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 |          |
| 8866 | Infrastructure | Bug      | New         | Normal   | Java client tools should set a custom user agent string   |               | 2020-07-15 22:43 |          |
| 1494 | Infrastructure | Task     | New         | Normal   | Create sequence diagrams for Authentication services.   | Matthew Jones | 2014-10-01 20:47 |          |
| 4176 | Infrastructure | Bug      | New         | Normal   | The archive method in CN doesn't call back to the authoritative and replica MNs.                          |               | 2014-10-01 21:25 |          |
| 3656 | Infrastructure | Story    | New         | Normal   | integration testing: what are acceptable pids for update?   | Roger Dahl    | 2018-01-17 20:22 |          |
| 7890 | Infrastructure | Task     | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories  | Rob Nahf      | 2017-04-19 19:12 |          |
| 8236 | Infrastructure | Task     | New         | Normal   | Acquire ORCID API key under KU membership   | Dave Viegla   | 2018-01-09 02:21 |          |
| 4722 | Infrastructure | Task     | New         | Normal   | Clarify permissions for CN  | Dave Viegla   | 2014-10-02 17:21 |          |
| 7882 | Infrastructure | Story    | In Progress | Normal   | Tune CN logfile management  | Dave Viegla   | 2018-01-17 19:03 |          |



| #    | Project        | Tracker  | Status      | Priority | Subject  | Assignee      | Updated          | Category |
|------|----------------|----------|-------------|----------|--|---------------|------------------|----------|
| 8171 | Infrastructure | Task     | New         | Normal   | Document hazelcast components to be moved to postgres storage  | Monica Ihli   | 2017-09-01 15:25 |          |
| 8796 | Infrastructure | Story    | New         | Normal   | Various issues with service access after upgrade to 18.04  | Jing Tao      | 2019-05-21 12:38 |          |
| 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 |          |
| 1484 | Infrastructure | Task     | New         | Normal   | Decide on format for Principals  | Matthew Jones | 2014-10-01 20:47 |          |
| 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 |          |
| 3373 | Infrastructure | Task     | New         | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.  |               | 2012-11-06 02:05 |          |
| 3371 | Infrastructure | Task     | New         | Normal   | unmarshalTypeFromFile method is using FileReader   |               | 2012-10-29 19:15 |          |
| 8601 | Infrastructure | Decision | New         | Normal   | Decide on a URI space for DataONE resources  |               | 2018-07-18 21:42 |          |
| 8775 | Infrastructure | Task     | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive  | Bryce Mecum   | 2019-03-11 23:35 |          |
| 8806 | Infrastructure | Story    | New         | Normal   | Cleanup from OS upgrades   |               | 2019-05-21 12:45 |          |
| 4091 | Infrastructure | Story    | New         | Normal   | ESRI GeoPortal MN stack  |               | 2013-10-15 13:36 |          |
| 1474 | Infrastructure | Task     | New         | Normal   | Design verification process for new accounts   | Matthew Jones | 2014-10-01 20:47 |          |
| 1518 | Infrastructure | Task     | New         | Normal   | How to support caching   |               | 2011-05-04 14:33 |          |
| 1473 | Infrastructure | Task     | New         | Normal   | Make default access policy explicit in Authz docs.   | Matthew Jones | 2014-10-01 20:47 |          |
| 1890 | Infrastructure | Task     | New         | Normal   | Comply with Maven Central requirements for publishing artifacts  | Matthew Jones | 2011-10-27 21:39 |          |
| 8747 | Infrastructure | Task     | New         | Normal   | Adjust package configuration to persist changes between updates  | Dave Viegla   | 2018-11-16 17:32 |          |
| 1472 | Infrastructure | Task     | New         | Normal   | Explain revocation policies via MN curator.  | Matthew Jones | 2014-10-01 20:47 |          |
| 1808 | Infrastructure | Task     | New         | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()   |               | 2011-10-04 16:08 |          |
| 1471 | Infrastructure | Task     | New         | Normal   | Define implicit curator role at Member Nodes.  | Matthew Jones | 2014-10-01 20:47 |          |
| 1414 | Infrastructure | Task     | New         | Normal   | How to represent additional Node attributes.   |               | 2011-03-09 06:16 |          |
| 3974 | Infrastructure | Task     | New         | Normal   | Complete agenda for meeting  | Dave Viegla   | 2013-09-11 20:59 |          |
| 1482 | Infrastructure | Task     | New         | Normal   | Design mechanism to collapse two accounts into one   | Matthew Jones | 2014-10-01 20:47 |          |
| 2593 | Infrastructure | Task     | New         | Normal   | Prepare science data and metadata content for the workshop   | Dave Viegla   | 2012-04-09 22:52 |          |
| 3895 | Infrastructure | Task     | New         | Normal   | Can we add bugs to a task in a story?  |               | 2014-09-24 18:27 |          |
| 1047 | Infrastructure | Task     | In Progress | Normal   | Write Authentication system specification  | Matthew Jones | 2014-10-01 20:47 |          |
| 3894 | Infrastructure | Task     | New         | Normal   | This task contains all the bugs related to the story   |               | 2014-09-24 18:27 |          |

| #    | Project        | Tracker  | Status      | Priority | Subject   | Assignee       | Updated          | Category |
|------|----------------|----------|-------------|----------|---|----------------|------------------|----------|
| 7097 | Infrastructure | Bug      | New         | Normal   | v1 call to CN.search() yields a NoClassDef exception for boucncycastle          | Rob Nahf       | 2015-05-12 18:46 |          |
| 8754 | Infrastructure | Task     | New         | Normal   | Add EML 2.2 to CN formats list  | Bryce Mecum    | 2018-12-19 00:54 |          |
| 8499 | Infrastructure | Task     | New         | Normal   | Improve rendering of http://www.isotc211.org/2005/gmd-pangaea in search UI      |                | 2018-05-01 01:07 |          |
| 1481 | Infrastructure | Task     | New         | Normal   | Clarify spec that groups can own objects  | Matthew Jones  | 2014-10-01 20:47 |          |
| 3878 | Infrastructure | Task     | New         | Normal   | 4.2.1.1 Missing and Out-of-Date Documentation                                   | Dave Vieglaiss | 2014-09-24 18:27 |          |
| 8065 | Infrastructure | Feature  | New         | Normal   | Add service to re-populate Hazelcast map for node attributes                    |                | 2018-01-09 19:10 |          |
| 8150 | Infrastructure | Task     | New         | Normal   | Enable CN certificate to alter authoritativeMN property in SystemMetadata       | Jing Tao       | 2017-07-19 21:27 |          |
| 6760 | Infrastructure | Task     | New         | Normal   | rename mnDemo9 node   |                | 2015-01-14 00:44 |          |
| 8205 | Infrastructure | Task     | New         | Normal   | Adjust memory allocation to Tomcat7 on CNs                                      |                | 2017-10-24 15:33 |          |
| 1411 | Infrastructure | Task     | New         | Normal   | Vendor Specific Extensions  |                | 2011-03-08 16:59 |          |
| 8762 | Infrastructure | Story    | New         | Normal   | Add new formats to CN   |                | 2019-02-07 20:03 |          |
| 8815 | Infrastructure | Bug      | New         | Normal   | Investigate and fix failed sync/harvest of doi:10.18739/A2CH48                  |                | 2019-06-04 23:26 |          |
| 7859 | Infrastructure | Story    | New         | Normal   | Add formatID for the STL 3d model file format                                   | Dave Vieglaiss | 2018-01-17 19:04 |          |
| 3466 | Infrastructure | Task     | New         | Normal   | Add synthetic key to systemMetadata table                                       | Ben Leinfelder | 2013-01-08 18:30 |          |
| 3046 | Infrastructure | Task     | In Progress | Normal   | Create utility to update ORE maps with invalid date formats                     | Ben Leinfelder | 2012-08-14 23:41 |          |
| 1339 | Infrastructure | Task     | New         | Normal   | "common" -> "base" or "foundation"  |                | 2011-02-09 23:19 |          |
| 8169 | Infrastructure | Task     | New         | Normal   | Document process for changing the postgres master                               | Monica Ihli    | 2017-09-01 15:09 |          |
| 1335 | Infrastructure | Task     | New         | Normal   | Local caching of the d1 schema.   |                | 2011-02-09 22:56 |          |
| 8189 | Infrastructure | Decision | New         | Normal   | Proposal to change the roles mapped to the origin Solr field for ISO docs       | Bryce Mecum    | 2017-12-20 01:28 |          |
| 8821 | Infrastructure | Bug      | New         | Normal   | Object doi:10.18739/A2610VR7Z fails to index on CN                              | Jing Tao       | 2019-06-19 00:06 |          |
| 1485 | Infrastructure | Task     | New         | Normal   | Clean up authn requirements listing   | Matthew Jones  | 2014-10-01 20:47 |          |
| 2343 | Infrastructure | Task     | New         | Normal   | Convert style sheets to separate product  | Ben Leinfelder | 2012-02-15 17:43 |          |
| 8793 | Infrastructure | Task     | New         | Normal   | Replace ONEMercury installation   |                | 2019-05-01 14:04 |          |
| 8858 | Infrastructure | Task     | New         | Normal   | Update CN Apache configs in version control with directives to support sitemaps | Bryce Mecum    | 2020-02-24 19:26 |          |
| 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 |          |
| 3643 | Infrastructure | Task     | New         | Normal   | Decide on future of stage-2 environment   | Robert Waltz   | 2015-01-14 00:41 |          |
| 1519 | Infrastructure | Task     | New         | Normal   | HTTP Byte Range Requests  |                | 2011-05-04 14:34 |          |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category           |
|------|----------------|---------|-------------|----------|---|----------------|------------------|--------------------|
| 3635 | Infrastructure | Task    | New         | Normal   | Phase two Morpho implementation   | Ben Leinfelder | 2013-03-25 22:49 |                    |
| 1332 | Infrastructure | Task    | New         | Normal   | Possibly remove MN_crud.update()  |                | 2011-02-09 22:50 |                    |
| 1527 | Infrastructure | Task    | New         | Normal   | Allow AccessPolicy to be set for groups   | Matthew Jones  | 2014-10-01 20:47 |                    |
| 8235 | Infrastructure | Task    | New         | Normal   | Arrange with KU library to make use of ORCID membership to support DataONE authentication | Dave Vieglaiss | 2018-01-09 02:01 |                    |
| 1331 | Infrastructure | Task    | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()                                    |                | 2011-02-09 22:44 |                    |
| 8811 | Infrastructure | Task    | New         | Normal   | Merge 2.3.9 changes to trunk  | Jing Tao       | 2019-05-21 13:06 |                    |
| 2151 | Infrastructure | Task    | New         | Normal   | Ensuring that cited objects are not deleted   |                | 2011-12-23 04:20 |                    |
| 8862 | Infrastructure | Story   | New         | Normal   | Deploy a new dataone-cn-rest release  | Jing Tao       | 2020-04-23 16:24 |                    |
| 4717 | Infrastructure | Task    | New         | Normal   | refresh client certificate for mn-unm-2.dataone.org                                       |                | 2014-09-24 18:14 |                    |
| 2133 | Infrastructure | Task    | New         | Normal   | listObjects() datetime slicing  |                | 2011-12-12 23:15 |                    |
| 7744 | Infrastructure | Task    | New         | Normal   | put together initial design   |                | 2016-06-22 17:19 |                    |
| 8792 | Infrastructure | Task    | New         | Normal   | Create landing page for redirection from ONEMercury                                       |                | 2019-05-01 14:03 |                    |
| 1234 | Infrastructure | Task    | New         | Normal   | Record performance metrics for member nodes   |                | 2011-01-15 02:52 |                    |
| 4059 | Infrastructure | Task    | New         | Normal   | Add test to verify node is reporting correct nodeId in log records                        | Rob Nahf       | 2013-10-07 19:10 |                    |
| 2131 | Infrastructure | Task    | New         | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId                                    | Dave Vieglaiss | 2014-10-02 17:21 |                    |
| 1159 | Infrastructure | Task    | In Progress | Normal   | Add description of Group creation and management to design specs.                         | Matthew Jones  | 2014-10-01 20:47 |                    |
| 3047 | Infrastructure | Bug     | In Progress | Normal   | Metacat allows whitespace in Identifiers  | Ben Leinfelder | 2018-11-13 21:44 |                    |
| 6615 | Infrastructure | Bug     | New         | Normal   | Apt-get doesn't work on mn-sandbox-unm-1  |                | 2014-11-18 18:45 |                    |
| 8362 | Infrastructure | Task    | New         | Normal   | Add the indication that the cn account list is sliced                                     |                | 2018-02-12 17:48 |                    |
| 8817 | Infrastructure | Task    | New         | Normal   | Configure sitemaps on the CN  | Jing Tao       | 2020-03-12 18:30 |                    |
| 8807 | Infrastructure | Task    | New         | Normal   | remove old versions of postgres   |                | 2019-05-21 12:47 |                    |
| 2053 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion                       |                | 2014-10-02 17:21 |                    |
| 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 |                    |
| 8507 | Infrastructure | Task    | New         | Normal   | Support generation of citation metadata records from dublin core                          |                | 2018-03-19 22:37 |                    |
| 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 |                    |
| 2018 | Infrastructure | Task    | New         | Normal   | document DataONE CA operations procedures   | Matthew Jones  | 2012-04-23 17:53 | Support Operations |
| 1671 | Infrastructure | Task    | New         | Normal   | Need folder for DUG, accessible by DUG members  | Matthew Jones  | 2011-07-12 12:09 | Support Operations |
| 6791 | Infrastructure | Bug     | New         | Normal   | Building d1_log_aggregation doesn't trigger downstream builds                             |                | 2015-01-31 00:32 | Support Operations |

| #    | Project        | Tracker  | Status      | Priority | Subject   | Assignee     | Updated          | Category           |
|------|----------------|----------|-------------|----------|---|--------------|------------------|--------------------|
| 8367 | Infrastructure | Story    | New         | Normal   | Duplicate jenkins jobs from UNM to UCSB   | Dave Viegla  | 2019-01-22 19:25 | Support Operations |
| 7184 | Infrastructure | Task     | New         | Normal   | Create an Ansible script that can replace a server certificate  | Nick Outin   | 2015-06-15 15:10 | Support Operations |
| 2944 | Infrastructure | Story    | New         | Normal   | Design and implement a MN kill switch mechanism   | Dave Viegla  | 2018-01-17 20:30 | Support Operations |
| 7183 | Infrastructure | Story    | New         | Normal   | Update wild card server certificate on all test.dataone.org systems   | Dave Viegla  | 2015-06-15 15:10 | Support Operations |
| 8368 | Infrastructure | Story    | New         | Normal   | Update backup strategy for jenkins job configurations to subversion   | Dave Viegla  | 2019-01-22 19:25 | Support Operations |
| 3308 | Infrastructure | Task     | New         | Normal   | Document the process for removing content contributed from a specific member node and/or the entire member node | Dave Viegla  | 2014-03-14 18:29 | Support Operations |
| 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 |
| 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 |
| 3905 | Infrastructure | Task     | In Progress | Normal   | Sort out shell logins for splunk system   | Bruce Wilson | 2013-08-23 13:27 | Support Operations |
| 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 Viegla  | 2014-09-24 18:27 | Support Operations |
| 2344 | Infrastructure | Task     | New         | Normal   | Add category for Ben's style sheets in Redmine  | Dave Viegla  | 2012-02-15 17:45 | Support Operations |
| 8366 | Infrastructure | Story    | New         | Normal   | Migrate jenkins continuous integration from UNM to UCSB   | Dave Viegla  | 2019-01-22 19:26 | Support Operations |
| 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 |
| 6392 | Infrastructure | Decision | New         | Normal   | CN getChecksum REST API design review   | Dave Viegla  | 2014-09-18 17:09 | Requirement        |
| 3082 | Infrastructure | Task     | New         | Normal   | Morpho should not rely on CN for any critical features  |              | 2013-03-02 05:26 | Morpho             |
| 3076 | Infrastructure | Task     | New         | Normal   | Allow user to specify Morpho storage directory  |              | 2013-03-02 05:29 | Morpho             |
| 6478 | Infrastructure | Task     | New         | Normal   | move mncheck VM to a different VMhost   | Dave Viegla  | 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       |
| 6396 | Infrastructure | Task     | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally  | Rob Nahf     | 2014-10-01 20:34 | MNWebChecker       |
| 3591 | Infrastructure | Story    | In Progress | Normal   | Content consistency checks for new member nodes   | Rob Nahf     | 2018-01-17 20:23 | MNWebChecker       |
| 6397 | Infrastructure | Task     | New         | Normal   | test that it works from standalone .war   | Rob Nahf     | 2014-10-01 20:34 | MNWebChecker       |
| 6395 | Infrastructure | Story    | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes  | Rob Nahf     | 2018-01-17 19:51 | MNWebChecker       |
| 3925 | Infrastructure | Task     | New         | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN                                     | Rob Nahf     | 2014-10-01 22:04 | MNWebChecker       |
| 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       |
| 3577 | Infrastructure | Task     | New         | Normal   | Confusing message about "Ignored Tests present".  | Rob Nahf     | 2013-02-14 22:36 | MNWebChecker       |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee        | Updated          | Category   |
|------|----------------|---------|-------------|----------|--|-----------------|------------------|------------|
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN   | Dave Vieglaiss  | 2013-10-06 20:11 | mn.OPeNDAP |
| 4052 | Infrastructure | Story   | In Progress | Normal   | OPeNDAP MN Story   |                 | 2013-10-06 20:07 | mn.OPeNDAP |
| 3596 | Infrastructure | Task    | New         | Normal   | Fix Merritt Repository resource map typing of triple objects   | John Kunze      | 2013-02-19 02:27 | mn.Merritt |
| 3067 | Infrastructure | Task    | New         | Normal   | Old DAAC PIDs to archive   | Dave Vieglaiss  | 2013-01-02 14:14 | mn.Mercury |
| 2594 | Infrastructure | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop   | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury |
| 4051 | Infrastructure | Feature | New         | Normal   | MN Stack supporting Fedora Commons   |                 | 2014-10-02 21:39 | mn.Fedora  |
| 3467 | Infrastructure | Task    | New         | Normal   | MN.listObject should use auto-incremented key  | Ben Leinfelder  | 2013-01-08 18:31 | Metacat    |
| 3465 | Infrastructure | Task    | New         | Normal   | Improve Metacat listObject slicing   | Ben Leinfelder  | 2013-01-08 18:54 | Metacat    |
| 8104 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat  | Jing Tao        | 2017-06-02 20:58 | Metacat    |
| 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    |
| 8184 | Infrastructure | Feature | New         | Normal   | a feature indicates to restart tomcat when hazelcast client died                                       | Jing Tao        | 2017-09-14 19:14 | Metacat    |
| 8379 | Infrastructure | Bug     | New         | Normal   | remove or improve AuthLdap.getGroups logging statement   | Jing Tao        | 2018-02-27 16:51 | Metacat    |
| 7876 | Infrastructure | Feature | New         | Normal   | Create a new admin page for Metacat admins to register schemas   | Jing Tao        | 2016-12-21 09:11 | Metacat    |
| 3175 | Infrastructure | Task    | New         | Normal   | Include dataoneTypes.xsd in Metacat registered schemas   | Chris Jones     | 2012-10-05 14:23 | Metacat    |
| 8224 | Infrastructure | Task    | New         | Normal   | metacat not promoting node token privs for solr  | Jing Tao        | 2017-12-04 19:33 | Metacat    |
| 7466 | Infrastructure | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API   | Chris Jones     | 2015-11-05 16:11 | Metacat    |
| 7825 | Infrastructure | Bug     | New         | Normal   | Hazelcast service stops working after a while  | Jing Tao        | 2016-06-07 18:53 | Metacat    |
| 8380 | Infrastructure | Bug     | New         | Normal   | MN.update method doesn't check if the authoritativeMN is null on the system metadata of the new object | Jing Tao        | 2018-03-02 21:53 | Metacat    |
| 3700 | Infrastructure | Bug     | New         | Normal   | MNodeService.replicate will not request new object if existing on MN                                   | Chris Jones     | 2015-01-06 19:43 | Metacat    |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header  | Chris Jones     | 2013-02-21 18:41 | Metacat    |
| 3626 | Infrastructure | Task    | New         | Normal   | Metacat should use correct object format for ESRI profile metadata                                     | Ben Leinfelder  | 2013-02-27 23:56 | Metacat    |
| 3616 | Infrastructure | Task    | New         | Normal   | Enable ServiceMethodRestriction support in Metacat   | Chris Jones     | 2013-02-27 16:28 | Metacat    |
| 8734 | Infrastructure | Story   | New         | Normal   | Hazelcast shutdown tied to out of memory exception!  | Rob Nahf        | 2018-10-18 16:55 | Metacat    |
| 1225 | Infrastructure | Task    | New         | Normal   | Configure Hudson Metacat build   |                 | 2011-01-13 14:41 | Metacat    |
| 3488 | Infrastructure | Task    | New         | Normal   | Create custom merge policy to support managing data/information inconsistency                          | Chris Jones     | 2014-03-14 17:27 | Metacat    |
| 2033 | Infrastructure | Task    | New         | Normal   | Document hardware / CN administrators and their contact info   | Dave Vieglaiss  | 2014-09-24 18:29 | Management |
| 2028 | Infrastructure | Task    | New         | Normal   | Document VM specifications for CNs   | Dave Vieglaiss  | 2014-09-24 18:29 | Management |
| 4192 | Infrastructure | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition                                   | Dave Vieglaiss  | 2014-09-24 18:28 | Management |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|-------------------|------------------|------------------------|
| 2029 | Infrastructure | Task    | New         | Normal   | Document VM specifications for replication MNs  | Dave Vieglaiss    | 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               |
| 5988 | Infrastructure | Task    | New         | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                                   | Jing Tao          | 2014-07-22 23:18 | Hardware               |
| 6367 | Infrastructure | Task    | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array  | Nick Outin        | 2014-09-08 20:19 | Hardware               |
| 2030 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UNM                                    | Dave Vieglaiss    | 2014-09-24 18:29 | Hardware               |
| 6543 | Infrastructure | Story   | New         | Normal   | Support RIF-CS metadata standard  | Dave Vieglaiss    | 2018-01-17 19:46 | Format ID              |
| 6883 | Infrastructure | Story   | New         | Normal   | support for ESRI Shapefile object format  |                   | 2018-01-17 19:40 | Format ID              |
| 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              |
| 6761 | Infrastructure | Task    | New         | Normal   | unregister extraneous nodes in STAGE-2  |                   | 2015-01-14 00:49 | Environment.Stage2     |
| 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     |
| 7666 | Infrastructure | Bug     | New         | Normal   | mnTestMPC repeating attempts to set replica status to FAILED  | Laura Moyers      | 2016-02-25 21:44 | Environment.Stage1     |
| 6706 | Infrastructure | Task    | New         | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"                           | Robert Waltz      | 2015-10-09 17:38 | Environment.Sandbox    |
| 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 |
| 5136 | Infrastructure | Task    | New         | Normal   | Change DNS settings on all DataONE VMs  | Chris Jones       | 2014-05-08 03:16 | Environment.Production |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate   | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 4716 | Infrastructure | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD   | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 4714 | Infrastructure | Task    | In Progress | Normal   | Refresh client certificate for MN urn:node:TFRI   | Chris Jones       | 2014-09-24 18:14 | Environment.Production |
| 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 |
| 7605 | Infrastructure | Story   | New         | Normal   | MemberNodes not authorizing CN to harvest log records   | Dave Vieglaiss    | 2018-01-17 19:33 | Environment.Production |
| 7712 | Infrastructure | Story   | New         | Normal   | Sanparks fails during LogAggregation  | Laura Moyers      | 2016-04-06 16:43 | Environment.Production |
| 3880 | Infrastructure | Task    | New         | Normal   | 4.2.1.3 ClLogon 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 |
| 7607 | Infrastructure | Task    | New         | Normal   | LTER_EUROPE refuses the production CN from harvesting log records   | Laura Moyers      | 2016-06-09 16:34 | Environment.Production |

| #    | Project        | Tracker  | Status      | Priority | Subject   | Assignee       | Updated          | Category                    |
|------|----------------|----------|-------------|----------|---|----------------|------------------|-----------------------------|
| 3864 | Infrastructure | Task     | In Progress | Normal   | Release CCI 1.2.1 Features  | Chris Jones    | 2013-09-12 20:04 | Environment.Productio<br>n  |
| 7611 | Infrastructure | Story    | New         | Normal   | ORNLDAPAC fails during log aggregation  | Laura Moyers   | 2016-01-26 16:39 | Environment.Productio<br>n  |
| 7612 | Infrastructure | Task     | In Progress | Normal   | Contact ORNLDAPAC   | Laura Moyers   | 2016-02-11 18:02 | Environment.Productio<br>n  |
| 7606 | Infrastructure | Task     | In Progress | Normal   | NRDC does not trust the CN certificate for log harvesting                                     | Laura Moyers   | 2016-04-06 16:14 | Environment.Productio<br>n  |
| 7640 | Infrastructure | Story    | New         | Normal   | ONEShare failing with ServiceFailure  | Laura Moyers   | 2016-02-12 16:39 | Environment.Productio<br>n  |
| 7641 | Infrastructure | Task     | New         | Normal   | contact ONEShare  | Laura Moyers   | 2016-02-12 16:40 | Environment.Productio<br>n  |
| 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  |
| 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  |
| 3512 | Infrastructure | Task     | New         | Normal   | Issue production client certificates for mn-{ucsb orc unm}-2.dataone.org replica target nodes | Dave Viegla    | 2013-01-23 16:34 | Environment.Productio<br>n  |
| 6542 | Infrastructure | Bug      | New         | Normal   | Unable to add metadata document on mndemo8  |                | 2014-10-30 16:30 | Environment.Developm<br>ent |
| 6067 | Infrastructure | Decision | New         | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?                                    | Robert Waltz   | 2014-08-22 03:58 | Environment.Developm<br>ent |
| 6062 | Infrastructure | Bug      | In Progress | Normal   | Jenkins not cascading builds in trunk   | Robert Waltz   | 2016-08-10 20:56 | Environment.Developm<br>ent |
| 2411 | Infrastructure | Bug      | In Progress | Normal   | knb MNs and CNs allow self-signed certificates to connect                                     | Chris Jones    | 2014-10-01 22:22 | Environment.Developm<br>ent |
| 3468 | Infrastructure | Task     | New         | Normal   | Explore how CN.listObject can effectively use auto-incremented key                            | Ben Leinfelder | 2013-01-08 18:35 | Documentation               |
| 1986 | Infrastructure | Task     | New         | Normal   | Update UC04 to use correct CN method for determining if a PID exists                          | Dave Viegla    | 2014-10-02 17:21 | Documentation               |
| 1983 | Infrastructure | Task     | New         | Normal   | UC04 describes MNCORE.ping() with discovery capability  | Dave Viegla    | 2014-10-02 17:21 | Documentation               |
| 3332 | Infrastructure | Task     | In Progress | Normal   | Revise use cases and add sample code  | Dave Viegla    | 2014-09-24 18:27 | Documentation               |
| 1961 | Infrastructure | Task     | New         | Normal   | Types.ErrorMessage - does not exist   | Dave Viegla    | 2014-10-02 17:21 | Documentation               |
| 1035 | Infrastructure | Task     | In Progress | Normal   | Develop reference architecture documents  | Bruce Wilson   | 2011-03-03 19:26 | Documentation               |
| 7176 | Infrastructure | Task     | New         | Normal   | Develop textual documentation for certificate management                                      | Dave Viegla    | 2015-06-10 01:33 | Documentation               |
| 3315 | Infrastructure | Task     | New         | Normal   | CNRead.query() - POST in addition to GET  | Dave Viegla    | 2014-10-02 17:21 | Documentation               |
| 3314 | Infrastructure | Task     | New         | Normal   | CNRead.getQueryEngineDescription() - REST URL   | Dave Viegla    | 2014-10-02 17:21 | Documentation               |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category      |
|------|----------------|---------|-------------|----------|--|---------------|------------------|---------------|
| 6167 | Infrastructure | Task    | New         | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case   | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 3720 | Infrastructure | Story   | New         | Normal   | resource maps should be validated  | Dave Viegla   | 2018-01-17 20:17 | Documentation |
| 6069 | Infrastructure | Story   | New         | Normal   | open ask.dataone.org sign-in to community  | Dave Viegla   | 2014-10-01 20:39 | Documentation |
| 5141 | Infrastructure | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document                           | Dave Viegla   | 2018-01-17 19:58 | Documentation |
| 7279 | Infrastructure | Task    | New         | Normal   | MN implementation documentation - need document management solution                          | Dave Viegla   | 2015-07-28 22:24 | Documentation |
| 5531 | Infrastructure | Task    | Testing     | Normal   | Provide overview of replication process for MN implementors                                  | Matthew Jones | 2014-10-02 17:21 | Documentation |
| 7177 | Infrastructure | Task    | New         | Normal   | Develop video documentation for certificate management                                       | Dave Viegla   | 2015-06-10 01:33 | Documentation |
| 3063 | Infrastructure | Task    | New         | Normal   | Change Mutability of Metadata documentation  | Dave Viegla   | 2014-09-24 18:27 | Documentation |
| 1502 | Infrastructure | Task    | New         | Normal   | Fix hierarchy of permission levels.  | Matthew Jones | 2014-10-01 20:47 | Documentation |
| 4190 | Infrastructure | Task    | New         | Normal   | Update architecture docs to import dataoneErrors.xsd   | Dave Viegla   | 2014-09-24 18:28 | Documentation |
| 725  | Infrastructure | Story   | In Progress | Normal   | Create Authentication and Access control design specifications                               | Dave Viegla   | 2018-01-17 20:52 | Documentation |
| 2826 | Infrastructure | Task    | New         | Normal   | MNStorage.archive() - Permissions  | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 2809 | Infrastructure | Task    | New         | Normal   | MNStorage.update() - Make behavior explicit  | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 4102 | Infrastructure | Task    | New         | Normal   | Add expiration policy for CNCORE.reservedIdentifier()  | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 2810 | Infrastructure | Task    | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect                             | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 2794 | Infrastructure | Task    | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 2793 | Infrastructure | Task    | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header        | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 2688 | Infrastructure | Task    | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison | Dave Viegla   | 2014-09-24 18:27 | Documentation |
| 2660 | Infrastructure | Task    | New         | Normal   | Deciding on a key size for D1 certs  | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 2646 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()          | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 3438 | Infrastructure | Task    | New         | Normal   | Evaluate utility of schema.org   |               | 2012-12-21 16:15 | Documentation |
| 6071 | Infrastructure | Story   | In Progress | Normal   | Release Notes and documentation  | Dave Viegla   | 2018-01-17 19:53 | Documentation |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.  | Matthew Jones | 2014-10-01 20:47 | Documentation |
| 3901 | Infrastructure | Task    | New         | Normal   | Review Mozilla Persona as an alternative for identity management                             | Dave Viegla   | 2013-08-09 11:57 | Documentation |
| 2540 | Infrastructure | Feature | In Progress | Normal   | add generateIdentifier() method to MNStorage API   | Dave Viegla   | 2014-10-02 17:54 | Documentation |
| 3881 | Infrastructure | Task    | New         | Normal   | 4.2.1.4 Definition of Verified User Lacking  | Dave Viegla   | 2014-09-24 18:27 | Documentation |
| 2508 | Infrastructure | Task    | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.                 | Dave Viegla   | 2014-10-02 17:21 | Documentation |
| 6624 | Infrastructure | Task    | New         | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page                                |               | 2014-11-21 20:29 | Documentation |



| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee        | Updated          | Category                |
|------|----------------|---------|-------------|----------|---|-----------------|------------------|-------------------------|
| 2466 | Infrastructure | Task    | New         | Normal   | Authentication - Remove references to Principal   | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2475 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null  | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 3807 | Infrastructure | Task    | New         | Normal   | Add documentation for Types.QueryEngineDescription  | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2465 | Infrastructure | Task    | New         | Normal   | Authentication - Remove TODO about selecting format for principal name                                  | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 3728 | Infrastructure | Task    | New         | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata | Dave Viegla     | 2014-09-24 18:27 | Documentation           |
| 2464 | Infrastructure | Task    | New         | Normal   | Authentication - no space after comma in subjects   | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2394 | Infrastructure | Task    | New         | Normal   | CNRead.search() - solr / SOLR   | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2342 | Infrastructure | Task    | New         | Normal   | CNCore.reserveIdentifier() - Update REST description  | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2227 | Infrastructure | Task    | New         | Normal   | Specify valid mimetypes for responses   | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2172 | Infrastructure | Task    | New         | Normal   | Types.DateTime: Example serialization without TZ designator   | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 3598 | Infrastructure | Task    | New         | Normal   | Node document subject description is a bit unclear  | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2142 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - include PID in signature   | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2123 | Infrastructure | Task    | New         | Normal   | Description of serialVersion  | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2083 | Infrastructure | Task    | New         | Normal   | Split the CN API into public and private sections   | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2054 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                                       | Dave Viegla     | 2014-10-02 17:21 | Documentation           |
| 2051 | Infrastructure | Task    | New         | Normal   | Use subject instead of NodeRef  |                 | 2011-11-23 18:11 | Documentation           |
| 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 |
| 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      |
| 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      |
| 8115 | Infrastructure | Bug     | New         | Normal   | LDAP logging is set to DEBUG on production CNs  | Rob Nahf        | 2017-12-26 18:29 | dataone-cn-os-core      |
| 8167 | Infrastructure | Story   | New         | Normal   | Enable postgres replication between Coordinating Nodes  | Monica Ihli     | 2018-01-09 19:10 | dataone-cn-os-core      |
| 7699 | Infrastructure | Bug     | New         | Normal   | alter scripts that backup postgresql db   |                 | 2017-05-09 17:33 | dataone-cn-os-core      |
| 8804 | Infrastructure | Task    | New         | Normal   | Add ldap backup config to cn os-core  | Dave Viegla     | 2019-05-21 12:32 | dataone-cn-os-core      |
| 8053 | Infrastructure | Feature | New         | Normal   | add funding award number to index   | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index        |
| 8106 | Infrastructure | Bug     | Testing     | Normal   | Difficulty Distinguishing Between Different Kinds of Failed Sync "Not Found" Error Messages             | Rob Nahf        | 2018-02-20 16:57 | d1_synchronization      |
| 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      |
| 6070 | Infrastructure | Bug     | New         | Normal   | CNs missing GOA objects   | Robert Waltz    | 2016-08-10 20:56 | d1_synchronization      |
| 2488 | Infrastructure | Story   | New         | Normal   | Changing the authoritativeMemberNode will require all replica's systemMetadata be updated               | Dave Viegla     | 2018-01-17 20:39 | d1_synchronization      |
| 6011 | Infrastructure | Bug     | New         | Normal   | Synchronization fails from max_syncobjectqueue_size   | Robert Waltz    | 2016-01-05 17:52 | d1_synchronization      |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|----------------|---------|-------------|----------|--|----------------|------------------|------------------------|
| 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     |
| 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     |
| 7954 | Infrastructure | Bug     | New         | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN                                       | Roger Dahl     | 2017-04-19 18:55 | d1_synchronization     |
| 7958 | Infrastructure | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN  | Rob Nahf       | 2017-01-04 17:23 | d1_synchronization     |
| 7889 | Infrastructure | Story   | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.   | Rob Nahf       | 2018-01-17 19:01 | d1_synchronization     |
| 8851 | Infrastructure | Story   | New         | Normal   | CN sends error doc with "pid" to v2 endpoint   | Jing Tao       | 2019-11-06 22:31 | d1_synchronization     |
| 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     |
| 8038 | Infrastructure | Story   | In Progress | Normal   | connect logging output to a log analysis tool  | Dave Vieglaiss | 2018-01-17 18:52 | d1_synchronization     |
| 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     |
| 8783 | Infrastructure | Bug     | New         | Normal   | synchronization re-created 26k map entries in SyncQueueFacade.nodeldRoundRobin   | Rob Nahf       | 2019-04-02 20:10 | d1_synchronization     |
| 8573 | Infrastructure | Bug     | In Progress | Normal   | changing accessPolicies and rightHolders down the line of series can cause improper sync failures                            | Rob Nahf       | 2018-05-03 21:52 | d1_synchronization     |
| 4098 | Infrastructure | Task    | New         | Normal   | Synchronization should allow valid replicas held by MNs to set obsoleteBy and archive flags                                  | Dave Vieglaiss | 2014-07-31 22:23 | d1_synchronization     |
| 7716 | Infrastructure | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?   | Dave Vieglaiss | 2018-01-17 19:22 | d1_synchronization     |
| 4188 | Infrastructure | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification   | Dave Vieglaiss | 2018-01-17 20:05 | d1_schemas             |
| 4189 | Infrastructure | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation  | Dave Vieglaiss | 2017-01-14 00:24 | d1_schemas             |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*   | Dave Vieglaiss | 2015-06-25 22:00 | d1_schemas             |
| 8108 | Infrastructure | Support | New         | Normal   | Must determine the state of replication auditing for when replicas on non-functioning MNs are still reported as complete     | Dave Vieglaiss | 2017-06-06 17:56 | d1_replication_auditor |
| 8642 | Infrastructure | Bug     | New         | Normal   | Replication tasks apparently not deleted from backing store in a timely fashion  | Dave Vieglaiss | 2018-07-05 12:11 | d1_replication         |
| 7178 | Infrastructure | Bug     | New         | Normal   | duplicate replica information on mn-demo-5   | Robert Waltz   | 2015-07-01 20:14 | d1_replication         |
| 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         |
| 8641 | Infrastructure | Bug     | New         | Normal   | Any change to SystemMetadata causes a new replication task to be generated without consideration of the object replicability | Chris Jones    | 2018-07-04 12:28 | d1_replication         |
| 8639 | Infrastructure | Story   | New         | Normal   | Replication performance is too slow to service demand  | Chris Jones    | 2018-07-04 11:18 | d1_replication         |
| 8640 | Infrastructure | Bug     | New         | Normal   | Replication includes "down" nodes as replication targets   | Chris Jones    | 2018-07-04 11:29 | d1_replication         |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category          |
|------|----------------|---------|-------------|----------|--|----------------|------------------|-------------------|
| 8162 | Infrastructure | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes   | Rob Nahf       | 2018-03-02 21:47 | d1_replication    |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing                                      | Rob Nahf       | 2018-01-17 20:03 | d1_replication    |
| 8196 | Infrastructure | Bug     | New         | Normal   | Duplicated replicas in the system metadata   | Jing Tao       | 2017-10-18 17:19 | d1_replication    |
| 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    |
| 4038 | Infrastructure | Feature | New         | Normal   | change default replication implementation  | Matthew Jones  | 2014-10-01 21:26 | d1_replication    |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09   | Skye Roseboom  | 2014-09-11 15:47 | d1_replication    |
| 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         |
| 8161 | Infrastructure | Bug     | New         | Normal   | d1-processing Out of Memory Error  | Dave Vieglaiss | 2018-02-20 16:19 | d1_process_daemon |
| 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 |
| 5321 | Infrastructure | Bug     | New         | Normal   | Multiple Hazelcast Client connections to same storage instance                                       | Robert Waltz   | 2016-08-10 20:58 | d1_process_daemon |
| 8069 | Infrastructure | Bug     | New         | Normal   | Name from ORCID incorrectly parsed   | Ben Leinfelder | 2017-04-12 20:28 | d1_portal_servlet |
| 7884 | Infrastructure | Task    | New         | Normal   | CN portal log is misconfigured   | Rob Nahf       | 2016-09-09 20:18 | d1_portal_servlet |
| 8123 | Infrastructure | Bug     | Testing     | Normal   | portal hazelcast client should load config directly from xml   | Rob Nahf       | 2017-12-26 18:20 | d1_portal_servlet |
| 8724 | Infrastructure | Bug     | New         | Normal   | index out of bounds error in PortalCertificateManager  | Rob Nahf       | 2018-10-02 19:11 | d1_portal         |
| 8102 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Portal   | Jing Tao       | 2017-06-02 20:53 | d1_portal         |
| 2492 | Infrastructure | Task    | New         | Normal   | Add status page for given {pid}  | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor        |
| 2169 | Infrastructure | Task    | In Progress | Normal   | Design content and layout for status page  | Dave Vieglaiss | 2012-03-14 20:40 | d1_monitor        |
| 2035 | Infrastructure | Task    | New         | Normal   | Design nagios system for monitoring CN locations   | Nick Outin     | 2014-09-24 18:29 | d1_monitor        |
| 8155 | Infrastructure | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API  | Roger Dahl     | 2018-01-17 18:43 | d1_mn_GMN         |

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