

## Issues

| #    | Project      | Tracker      | Status      | Priority  | Subject                                                   | Assignee        | Updated          | Category |
|------|--------------|--------------|-------------|-----------|-----------------------------------------------------------|-----------------|------------------|----------|
| 4115 | Member Nodes | MNDeployment | Deferred    | Normal    | UTK Institutional Repository                              |                 | 2018-04-17 17:32 |          |
| 7048 | Member Nodes | MNDeployment | Deferred    | Low       | USGS Regional Climate Centers                             | Laura Moyers    | 2016-06-17 19:32 |          |
| 3689 | Member Nodes | MNDeployment | Deferred    | Normal    | University of South Carolina, Computer Science Department |                 | 2018-08-31 15:26 |          |
| 3191 | Member Nodes | MNDeployment | Deferred    | Normal    | UC Vertnet Member Node                                    | Dave Vieglais   | 2017-01-31 14:54 |          |
| 3180 | Member Nodes | MNDeployment | Deferred    | Normal    | PFRP - Pelagic Fisheries Research Program                 | Matthew Jones   | 2014-05-29 19:25 |          |
| 3203 | Member Nodes | MNDeployment | Deferred    | Normal    | PELD member node                                          | Matthew Jones   | 2016-06-17 19:32 |          |
| 3686 | Member Nodes | MNDeployment | Deferred    | Normal    | Movebank for Animal Tracking Data                         | Laura Moyers    | 2013-12-05 19:31 |          |
| 7757 | Member Nodes | MNDeployment | Deferred    | Normal    | GINA - Geographic Information Network of Alaska           | Roger Dahl      | 2018-08-31 15:22 |          |
| 3215 | Member Nodes | MNDeployment | Deferred    | Normal    | GEO BON member node                                       | Matthew Jones   | 2016-06-20 14:26 |          |
| 4083 | Member Nodes | MNDeployment | Deferred    | Normal    | Forest Research Institute Malaysia (FRIM)                 | Laura Moyers    | 2016-06-17 19:31 |          |
| 3964 | Member Nodes | MNDeployment | Deferred    | Normal    | EU BON Member Node                                        | Bruce Wilson    | 2016-10-24 20:49 |          |
| 3217 | Member Nodes | MNDeployment | Deferred    | Normal    | EMBRAPA member node                                       | Matthew Jones   | 2016-06-17 19:31 |          |
| 5453 | Member Nodes | MNDeployment | Deferred    | Normal    | Dataverse                                                 | Laura Moyers    | 2018-07-24 16:41 |          |
| 3207 | Member Nodes | MNDeployment | Deferred    | Normal    | BIOTA - FAPESP MN                                         | Matthew Jones   | 2016-06-17 19:32 |          |
| 3209 | Member Nodes | MNDeployment | Deferred    | Normal    | Avian Knowledge Network/Cornell Laboratory of Ornithology | Ben Leinfelder  | 2016-06-17 19:31 |          |
| 7962 | Member Nodes | MNDeployment | Deferred    | Low       | Alaska EPSCoR                                             | Rebecca Koskela | 2018-04-13 18:28 |          |
| 7082 | Member Nodes | MNDeployment | Operational | Normal    | USGS Science Data Catalog (SDC)                           | Laura Moyers    | 2018-10-09 16:27 |          |
| 3213 | Member Nodes | MNDeployment | Operational | Normal    | University of Illinois, Chicago member node               | Jing Tao        | 2020-01-23 22:42 |          |
| 6485 | Member Nodes | MNDeployment | Operational | High      | The Digital Archaeology Record (tDAR)                     | Laura Moyers    | 2019-10-09 02:24 |          |
| 6544 | Member Nodes | MNDeployment | Operational | High      | TERN Australia (powered by AEKOS)                         | Bruce Wilson    | 2019-05-22 14:21 |          |
| 3201 | Member Nodes | MNDeployment | Operational | Normal    | Taiwan Forestry Research Institute                        | Amy Forrester   | 2019-10-08 15:26 |          |
| 3521 | Member Nodes | MNDeployment | Operational | Immediate | SEAD Member Node                                          | Laura Moyers    | 2019-06-05 17:46 |          |
| 3555 | Member Nodes | MNDeployment | Operational | High      | SANParks                                                  | Laura Moyers    | 2018-05-09 21:19 |          |
| 7842 | Member Nodes | MNDeployment | Operational | Normal    | Research Workspace                                        | Roger Dahl      | 2018-08-14 17:05 |          |
| 3172 | Member Nodes | MNDeployment | Operational | Normal    | Replication instance at UNM                               | Dave Vieglais   | 2018-08-31 15:22 |          |
| 3530 | Member Nodes | MNDeployment | Operational | Normal    | Replication instance at UCSB                              | Dave Vieglais   | 2018-08-31 15:22 |          |
| 3529 | Member Nodes | MNDeployment | Operational | Normal    | Replication instance at ORC                               | Dave Vieglais   | 2018-08-31 15:21 |          |
| 6548 | Member Nodes | MNDeployment | Operational | High      | R2R Repository                                            | Monica Ihli     | 2018-07-26 13:49 |          |
| 3748 | Member Nodes | MNDeployment | Operational | Normal    | PPBIO Member Node                                         | Jing Tao        | 2018-08-31 15:20 |          |
| 3553 | Member Nodes | MNDeployment | Operational | High      | PISCO                                                     | Laura Moyers    | 2018-01-10 01:13 |          |
| 7895 | Member Nodes | MNDeployment | Operational | Normal    | Pangaea                                                   | Monica Ihli     | 2018-12-04 14:58 |          |

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|------|--------------|--------------|-------------|----------|-----------------------------------------------------------------------------------------|---------------|------------------|----------|
| 6674 | Member Nodes | MNDeployment | Operational | Normal   | OTS - Neotropical Data Center                                                           | Jing Tao      | 2019-06-10 13:03 |          |
| 3559 | Member Nodes | MNDeployment | Operational | Normal   | ONEShare                                                                                | Amy Forrester | 2019-09-03 16:40 |          |
| 6957 | Member Nodes | MNDeployment | Operational | Normal   | NRDC - Nevada Research Data Center                                                      | Amy Forrester | 2019-10-08 18:39 |          |
| 6401 | Member Nodes | MNDeployment | Operational | Normal   | NM EPSCoR                                                                               | Roger Dahl    | 2019-03-05 18:13 |          |
| 6708 | Member Nodes | MNDeployment | Operational | Normal   | NEON - National Ecological Observatory Network                                          | Bruce Wilson  | 2019-06-06 19:52 |          |
| 3228 | Member Nodes | MNDeployment | Operational | Normal   | NCEI - National Centers for Environmental Information                                   | Dave Vieglais | 2019-07-08 16:28 |          |
| 3687 | Member Nodes | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems                                        | Amy Forrester | 2019-10-08 15:29 |          |
| 3708 | Member Nodes | MNDeployment | Operational | Normal   | Minnesota Population Center                                                             | Laura Moyers  | 2018-08-06 19:43 |          |
| 8772 | Member Nodes | MNDeployment | Operational | Normal   | metaGRIL                                                                                | Jing Tao      | 2019-10-08 17:16 |          |
| 3557 | Member Nodes | MNDeployment | Operational | Normal   | LTER Network                                                                            | Roger Dahl    | 2018-09-25 17:17 |          |
| 3232 | Member Nodes | MNDeployment | Operational | High     | LTER-EUROPE                                                                             | Laura Moyers  | 2018-11-21 16:58 |          |
| 3554 | Member Nodes | MNDeployment | Operational | High     | KNB                                                                                     | Jing Tao      | 2018-08-31 15:16 |          |
| 8721 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_US Antarctic Program Data Center (Interdisciplinary Earth Data Alliance)           | Dave Vieglais | 2019-05-14 13:46 |          |
| 8704 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_Marine-Geo Digital Library (Interdisciplinary Earth Data Alliance)                 | Dave Vieglais | 2019-05-14 13:47 |          |
| 8035 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_EarthChem Library (Interdisciplinary Earth Data Alliance)                          | Dave Vieglais | 2019-05-06 14:25 |          |
| 3238 | Member Nodes | MNDeployment | Operational | High     | Idaho Northwest Knowledge Network member node                                           | Amy Forrester | 2019-10-08 15:14 |          |
| 4700 | Member Nodes | MNDeployment | Operational | Normal   | IARC (International Arctic Research Center) Data Archive                                | Amy Forrester | 2019-10-08 15:20 |          |
| 3531 | Member Nodes | MNDeployment | Operational | Normal   | Gulf of Alaska Data Portal                                                              | Laura Moyers  | 2018-05-15 17:40 |          |
| 7051 | Member Nodes | MNDeployment | Operational | Normal   | GRIIDC - Gulf of Mexico Research Initiative                                             | Laura Moyers  | 2018-09-25 17:14 |          |
| 7969 | Member Nodes | MNDeployment | Operational | Normal   | FEMC (Forest Ecosystem Monitoring Cooperative) - was VMC Vermont Monitoring Cooperative | Monica Ihli   | 2019-08-27 17:22 |          |
| 8186 | Member Nodes | MNDeployment | Operational | Normal   | ESS-DIVE, including CDIAC                                                               | Matthew Jones | 2018-12-04 14:57 |          |
| 3556 | Member Nodes | MNDeployment | Operational | High     | ESA Data Registry                                                                       | Amy Forrester | 2019-10-08 15:28 |          |
| 7956 | Member Nodes | MNDeployment | Operational | Normal   | Environmental Data Initiative (EDI)                                                     | Laura Moyers  | 2018-11-13 19:14 |          |
| 3221 | Member Nodes | MNDeployment | Operational | High     | EDAC member node                                                                        | Amy Forrester | 2018-08-31 15:15 |          |
| 3118 | Member Nodes | MNDeployment | Operational | Urgent   | Dryad Member Node                                                                       | Laura Moyers  | 2019-03-05 18:37 |          |
| 3560 | Member Nodes | MNDeployment | Operational | Normal   | Cornell Lab of Ornithology eBird                                                        | Laura Moyers  | 2018-08-06 21:12 |          |
| 8544 | Member Nodes | MNDeployment | Operational | Normal   | Chinese Ecosystem Research Network                                                      | Amy Forrester | 2018-12-04 14:56 |          |
| 3558 | Member Nodes | MNDeployment | Operational | High     | CDL Merritt                                                                             | Laura Moyers  | 2018-08-23 17:05 |          |
| 5451 | Member Nodes | MNDeployment | Operational | Normal   | Cary Institute (via Figshare)                                                           | Monica Ihli   | 2019-04-17 21:39 |          |
| 6562 | Member Nodes | MNDeployment | Operational | Normal   | BCO-DMO                                                                                 | Laura Moyers  | 2021-12-04 00:47 |          |

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| 7629 | Member Nodes     | MNDeployment | Operational | Normal    | Arctic Data Center - Data and Software about the Arctic                                     | Matthew Jones  | 2018-01-10 17:53 |                    |
| 8828 | Member Nodes     | MNDeployment | In Review   | Normal    | SESAR                                                                                       |                | 2019-08-01 16:09 |                    |
| 7140 | Python GMN       | Task         | In Review   | Normal    | Resolve sids to pids                                                                        | Dave Vieglais  | 2016-03-25 01:27 |                    |
| 8725 | Member Nodes     | MNDeployment | In Review   | Normal    | NCAR (National Center for Atmospheric Research)                                             |                | 2018-10-08 13:33 |                    |
| 7139 | Python GMN       | Task         | In Review   | Normal    | modify postgres schema                                                                      | Dave Vieglais  | 2016-03-25 01:27 |                    |
| 8847 | Member Nodes     | MNDeployment | In Review   | Normal    | Freshwater Research and Environmental Database (IGBFRED)                                    | Dave Vieglais  | 2019-10-17 19:23 |                    |
| 7389 | Java Client      | Task         | Testing     | Normal    | V2 D1Object fails to download V1 content                                                    | Chris Jones    | 2015-09-28 17:50 | d1_libclient_java  |
| 3624 | Infrastructure   | Task         | Testing     | Normal    | Update CN index processing to support ESRI FGDC metadata format                             | Skye Roseboom  | 2013-03-05 23:27 | d1_indexer         |
| 7686 | Member Nodes     | Task         | Testing     | High      | tDAR - Enable URL links out to data from search results                                     | Ben Leinfelder | 2016-09-27 15:56 |                    |
| 5531 | Infrastructure   | Task         | Testing     | Normal    | Provide overview of replication process for MN implementors                                 | Matthew Jones  | 2014-10-02 17:21 | Documentation      |
| 8026 | Infrastructure   | Task         | Testing     | High      | Portal reaches the maximum capacity in a pool                                               | Jing Tao       | 2017-03-14 00:36 | 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  |
| 4210 | Infrastructure   | Task         | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()          | Chris Jones    | 2013-12-20 16:12 | Metacat            |
| 7149 | OGC-Slender Node | Story        | Testing     | Normal    | Implement mechanism to retrieve a list of objects available from repository                 | Dave Vieglais  | 2015-06-05 13:37 |                    |
| 4730 | Member Nodes     | MNDeployment | Testing     | Normal    | Global Biodiversity Information Facility                                                    | Dave Vieglais  | 2018-09-26 19:45 |                    |
| 5836 | Member Nodes     | Task         | Testing     | Normal    | GBIF: Verify that MN passes the Web Tester                                                  | Rob Nahf       | 2018-09-26 19:57 |                    |
| 7120 | Java Client      | Task         | Testing     | Normal    | Fix DataPackage.insertRelationship() to handle any URI for external identifiers             | Chris Jones    | 2015-06-04 21:48 | d1_libclient_java  |
| 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 |
| 7322 | Java Client      | Bug          | Testing     | Normal    | D1Object stores data in memory, causes out of memory errors                                 | Chris Jones    | 2015-08-28 00:15 | d1_libclient_java  |
| 3234 | Member Nodes     | MNDeployment | Testing     | Normal    | CyVerse (iPlant) member node                                                                | Rob Nahf       | 2019-03-05 18:36 |                    |
| 7138 | Python GMN       | Task         | Testing     | Normal    | Create new view functions                                                                   | Dave Vieglais  | 2016-03-25 01:27 |                    |
| 6378 | Infrastructure   | Task         | Testing     | Normal    | code up the new strategy                                                                    | Rob Nahf       | 2016-06-22 16:53 | d1_replication     |
| 7137 | Python GMN       | Task         | Testing     | Normal    | Add support for V2 urls                                                                     | Dave Vieglais  | 2016-03-25 01:27 |                    |
| 1048 | Infrastructure   | Task         | In Progress | Normal    | Write authorization system specification                                                    | Matthew Jones  | 2014-10-01 20:47 |                    |
| 1047 | Infrastructure   | Task         | In Progress | Normal    | Write Authentication system specification                                                   | Matthew Jones  | 2014-10-01 20:47 |                    |
| 4116 | Member Nodes     | Task         | In Progress | Normal    | Work with FRIM to upgrade Metacat to 2.2.1 or later                                         | Jing Tao       | 2015-01-23 19:02 |                    |
| 5450 | Member Nodes     | Task         | In Progress | Normal    | (Waiting for) USC to complete development of MN stack (derived from GMN)                    | Laura Moyers   | 2018-08-31 15:26 |                    |
| 3868 | Member Nodes     | Task         | In Progress | Normal    | Verify TFRI node is running NTP                                                             | Ben Leinfelder | 2013-08-05 17:25 |                    |

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| 7930 | Member Nodes   | Task     | In Progress | Normal   | verify obsolescence in tDAR sandbox                                                                   | Dave Vieglais       | 2016-12-01 23:47 |                     |
| 6497 | Python GMN     | Feature  | In Progress | Normal   | V2 GMN Support                                                                                        | Dave Vieglais       | 2016-03-25 01:27 |                     |
| 8086 | Infrastructure | Task     | In Progress | Normal   | upgrade Spring dependencies                                                                           | Rob Nahf            | 2019-07-25 20:32 | d1_indexer          |
| 7219 | Python GMN     | Story    | In Progress | Normal   | Upgrade Django version used by GMN, add better support for PUT operations                             | Dave Vieglais       | 2016-03-25 01:24 |                     |
| 2585 | Infrastructure | Task     | In Progress | Normal   | Update Use Case 09                                                                                    | Skye Roseboom       | 2014-09-11 15:47 | d1_replication      |
| 6843 | Infrastructure | Task     | In Progress | Normal   | Update the prov instance of the RdfXmlSubprocessor to index renamed and inverse provenance properties | Chris Jones         | 2017-03-28 16:16 | d1_indexer          |
| 6053 | Member Nodes   | Task     | In Progress | Normal   | Update science metadata files to include ORNL schema type                                             | Ranjeet Devarakonda | 2014-11-24 14:57 |                     |
| 4189 | Infrastructure | Task     | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation                                                   | Dave Vieglais       | 2017-01-14 00:24 | d1_schemas          |
| 907  | Infrastructure | Task     | In Progress | Normal   | unify d1_integration for multiple environments and test languages                                     | Rob Nahf            | 2012-10-16 21:34 | d1_integration      |
| 7882 | Infrastructure | Story    | In Progress | Normal   | Tune CN logfile management                                                                            | Dave Vieglais       | 2018-01-17 19:03 |                     |
| 2642 | Infrastructure | Task     | In Progress | Normal   | Try installing GMN according to the setup instructions                                                | Andrew Pippin       | 2012-07-06 16:25 | d1_mn_GMN           |
| 8195 | Infrastructure | Bug      | In Progress | High     | Tomcat out of memory error                                                                            | Dave Vieglais       | 2017-12-26 20:01 |                     |
| 8525 | Infrastructure | Story    | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization                                      | Rob Nahf            | 2018-11-16 17:32 | d1_synchronization  |
| 7967 | Infrastructure | Bug      | In Progress | Normal   | The CN is not following the xml schema definition when creating dataone exceptions                    | Dave Vieglais       | 2018-05-23 18:13 | Architecture Design |
| 8566 | Member Nodes   | Task     | In Progress | Normal   | Test Registration                                                                                     | Rob Nahf            | 2019-04-16 17:17 |                     |
| 8049 | Infrastructure | Story    | In Progress | Normal   | Support synchronization of system metadata for unhosted METADATA and RES_MAP objects                  |                     | 2018-01-17 18:50 | Architecture Design |
| 8766 | Infrastructure | Feature  | In Progress | Normal   | support server-side link checking for the 303 redirect url in the resolve call                        | Rob Nahf            | 2019-05-31 15:16 | d1_cn_service       |
| 8693 | Infrastructure | Decision | In Progress | Low      | Support Google Dataset Search on search.dataone.org via partial server side rendering                 |                     | 2019-06-06 23:53 |                     |
| 7754 | Search UI      | Story    | In Progress | Normal   | Support for XSL transform of various metadata formats                                                 | Bryce Mecum         | 2018-05-17 14:18 | MetacatUI           |
| 4671 | Java Client    | Task     | In Progress | Normal   | suggest updating the following versions:                                                              |                     | 2015-02-11 20:08 |                     |
| 3905 | Infrastructure | Task     | In Progress | Normal   | Sort out shell logins for splunk system                                                               | Bruce Wilson        | 2013-08-23 13:27 | Support Operations  |
| 7466 | Infrastructure | Task     | In Progress | Normal   | Some objects not accessible on the CN via REST API                                                    | Chris Jones         | 2015-11-05 16:11 | Metacat             |
| 7570 | Infrastructure | Bug      | In Progress | Normal   | Search UI requests cause Out of Memory Error                                                          | Jing Tao            | 2017-04-26 21:01 | d1_indexer          |
| 7498 | Search UI      | Task     | In Progress | Normal   | Search UI deployments need to be automated                                                            | Chris Jones         | 2015-11-21 00:36 | MetacatUI           |
| 8498 | Member Nodes   | Task     | In Progress | Normal   | SANParks metacat not responding to harvest requests                                                   | Matthew Jones       | 2019-04-15 18:09 |                     |
| 3332 | Infrastructure | Task     | In Progress | Normal   | Revise use cases and add sample code                                                                  | Dave Vieglais       | 2014-09-24 18:27 | Documentation       |

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| 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         |
| 3057 | Java Client    | Task        | In Progress | Normal   | retest CLOSE_WAIT issue once the lib client is complete.                              | Rob Nahf       | 2015-02-11 19:52 | d1_libclient_java      |
| 8536 | Infrastructure | Bug         | In Progress | Normal   | resource Map update when metadata SID is used is not indexed                          | Rob Nahf       | 2018-04-12 20:55 | d1_indexer             |
| 6369 | Java Client    | Feature     | In Progress | Normal   | ResourceMapFactory.parseResourceMap does not return aggregated resources              | Rob Nahf       | 2015-02-11 20:56 | d1_libclient_java      |
| 5449 | Member Nodes   | Task        | In Progress | Normal   | Resolve resource map issues for LTER-Europe                                           | Chris Jones    | 2014-06-20 17:59 |                        |
| 317  | Requirements   | Requirement | In Progress | Low      | (Requirement) Identifiers for all objects                                             | Dave Vieglais  | 2010-03-15 22:12 |                        |
| 4719 | Infrastructure | Task        | In Progress | Normal   | Replace CN client certificate                                                         | Chris Jones    | 2014-09-24 18:14 | Environment.Production |
| 6071 | Infrastructure | Story       | In Progress | Normal   | Release Notes and documentation                                                       | Dave Vieglais  | 2018-01-17 19:53 | Documentation          |
| 3114 | Infrastructure | Task        | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2                                       | Andrew Pippin  | 2012-08-02 17:27 |                        |
| 3864 | Infrastructure | Task        | In Progress | Normal   | Release CCI 1.2.1 Features                                                            | Chris Jones    | 2013-09-12 20:04 | Environment.Production |
| 6372 | Infrastructure | Task        | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests                                          | Rob Nahf       | 2016-06-22 16:53 | d1_replication         |
| 4716 | Infrastructure | Task        | In Progress | Normal   | refresh client certificate for urn:node:DRYAD                                         | Chris Jones    | 2014-09-24 18:14 | Environment.Production |
| 4715 | Infrastructure | Task        | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN                                        | Chris Jones    | 2014-09-24 18:14 |                        |
| 4714 | Infrastructure | Task        | In Progress | Normal   | Refresh client certificate for MN urn:node:TFRI                                       | Chris Jones    | 2014-09-24 18:14 | Environment.Production |
| 6375 | Infrastructure | Task        | In Progress | Normal   | Refactor out dependency on a working CN                                               | Rob Nahf       | 2016-06-22 16:53 | d1_replication         |
| 8750 | Member Nodes   | Task        | In Progress | Normal   | reconnect eLTER MN to DataONE                                                         | Roger Dahl     | 2018-11-28 16:59 |                        |
| 6789 | Java Client    | Bug         | In Progress | Normal   | Read API calls to the CN are hanging                                                  | Rob Nahf       | 2016-05-07 07:59 |                        |
| 6927 | Member Nodes   | Task        | In Progress | Normal   | R2R: Register any new object formats in all environments                              | Roger Dahl     | 2017-01-19 01:16 |                        |
| 8079 | Infrastructure | Task        | In Progress | Normal   | prototype durable task processing for d1_index_processor                              | Rob Nahf       | 2017-04-26 05:45 | d1_indexer             |
| 3109 | Infrastructure | Task        | In Progress | Normal   | PISCO/LTER revision history with SBC documents                                        | Ben Leinfelder | 2012-07-31 01:34 |                        |
| 8378 | Member Nodes   | Task        | In Progress | Normal   | (OTS) replicate data                                                                  | Amy Forrester  | 2018-07-31 18:49 |                        |
| 4052 | Infrastructure | Story       | In Progress | Normal   | OPeNDAP MN Story                                                                      |                | 2013-10-06 20:07 | mn.OPeNDAP             |
| 7407 | Infrastructure | Story       | In Progress | Normal   | object formats in the d1_common_java bootstrap list are inconsistent with production  | Dave Vieglais  | 2016-03-15 16:49 | d1_indexer             |
| 7606 | Infrastructure | Task        | In Progress | Normal   | NRDC does not trust the CN certificate for log harvesting                             | Laura Moyers   | 2016-04-06 16:14 | Environment.Production |
| 8735 | Infrastructure | Bug         | In Progress | Normal   | NPE in IndexTask causes indexing job to fail                                          | Rob Nahf       | 2018-10-18 18:33 | d1_indexer             |
| 4192 | Infrastructure | Task        | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition                  | Dave Vieglais  | 2014-09-24 18:28 | Management             |
| 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     |
| 2827 | Infrastructure | Task        | In Progress | Normal   | nesting groups requires schema change*                                                | Dave Vieglais  | 2015-06-25 22:00 | d1_schemas             |
| 8535 | Member Nodes   | Story       | In Progress | Normal   | Neotoma: Story: Discovery & Planning                                                  | Amy Forrester  | 2018-04-09 21:14 |                        |

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| 8727 | Member Nodes   | Story   | In Progress | Normal   | NCAR Discovery & Assessment                                                        |                | 2019-01-22 18:34 |                         |
| 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      |
| 4672 | Java Client    | Task    | In Progress | Normal   | mvn dependencies:analyse shows transitive dependencies:                            |                | 2015-02-11 20:08 |                         |
| 4147 | Infrastructure | Task    | In Progress | Normal   | Modify d1_spatial_reporter.py to produce custom JSON output                        | Chris Brumgard | 2014-03-31 17:41 | d1_cn_tools             |
| 7832 | Infrastructure | Story   | In Progress | Normal   | migrate from JibX to JAXB for XML binding / codegen                                | Rob Nahf       | 2018-01-17 19:06 | d1_common_java          |
| 7920 | Infrastructure | Story   | In Progress | Normal   | migrate apache2 authorization rules from 2.2 conforming to 2.4                     | Dave Vieglais  | 2018-01-17 18:59 | d1_cn_buildout          |
| 3047 | Infrastructure | Bug     | In Progress | Normal   | Metacat allows whitespace in Identifiers                                           | Ben Leinfelder | 2018-11-13 21:44 |                         |
| 6395 | Infrastructure | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                 | Rob Nahf       | 2018-01-17 19:51 | MNWebChecker            |
| 8775 | Infrastructure | Task    | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive                        | Bryce Mecum    | 2019-03-11 23:35 |                         |
| 3185 | Member Nodes   | Task    | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN                         | Dave Vieglais  | 2012-09-05 02:12 |                         |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map                                      | Chris Jones    | 2014-03-31 17:41 | d1_dashboard            |
| 4046 | Member Nodes   | Task    | In Progress | Normal   | Laura to check with Mike re USGS-NWRC planning                                     | Laura Moyers   | 2013-11-03 21:43 |                         |
| 2411 | Infrastructure | Bug     | In Progress | Normal   | knb MNs and CNs allow self-signed certificates to connect                          | Chris Jones    | 2014-10-01 22:22 | Environment.Development |
| 6062 | Infrastructure | Bug     | In Progress | Normal   | Jenkins not cascading builds in trunk                                              | Robert Waltz   | 2016-08-10 20:56 | Environment.Development |
| 7432 | Java Client    | Bug     | In Progress | Normal   | Java Client does not support idFilter for v2 release                               | Rob Nahf       | 2019-06-14 18:47 | d1_libclient_java       |
| 8080 | Infrastructure | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic | Rob Nahf       | 2017-05-09 22:55 | d1_indexer              |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates                                   | Rob Nahf       | 2018-01-17 18:39 | d1_indexer              |
| 3492 | Infrastructure | Bug     | In Progress | Urgent   | Invalid PIDs in production (whitespace)                                            | Jing Tao       | 2017-04-27 15:31 | Support Operations      |
| 1556 | Infrastructure | Task    | In Progress | High     | Interns mailing list                                                               |                | 2011-05-12 23:02 |                         |
| 8824 | Infrastructure | Task    | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs                                   | Dave Vieglais  | 2019-06-19 12:11 |                         |
| 8728 | Member Nodes   | Task    | In Progress | Normal   | Initial Communications (NCAR)                                                      | Amy Forrester  | 2018-10-04 17:24 |                         |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object                                                | Jing Tao       | 2018-04-23 20:13 | d1_indexer              |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing                    | Rob Nahf       | 2018-01-17 20:03 | d1_replication          |
| 3610 | Infrastructure | Task    | In Progress | Normal   | Include ESRI-specific FGDC metadata schema in object format list                   | Chris Jones    | 2013-07-03 00:23 | Environment.Production  |
| 6025 | Infrastructure | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack                                     | Roger Dahl     | 2014-08-01 15:49 |                         |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping                                               | Matthew Jones  | 2014-10-01 20:47 |                         |
| 6382 | Member Nodes   | Task    | In Progress | Normal   | ICMBIO: Determine feasibility                                                      | Laura Moyers   | 2015-11-19 17:21 |                         |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue                        | Rob Nahf       | 2018-10-30 04:10 | d1_indexer              |

| #    | Project          | Tracker | Status      | Priority | Subject                                                                                                               | Assignee          | Updated          | Category            |
|------|------------------|---------|-------------|----------|-----------------------------------------------------------------------------------------------------------------------|-------------------|------------------|---------------------|
| 7716 | Infrastructure   | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?                                                                      | Dave Vieglais     | 2018-01-17 19:22 | d1_synchronization  |
| 8032 | Python GMN       | Story   | In Progress | Normal   | GMN v2                                                                                                                | Roger Dahl        | 2018-01-17 18:55 |                     |
| 6614 | Python GMN       | Bug     | In Progress | Normal   | GMN describe not returning DescribeResponse for IARC MN                                                               | Roger Dahl        | 2016-04-21 22:37 |                     |
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content                                                                                  | Dave Vieglais     | 2015-06-08 18:58 |                     |
| 5833 | Member Nodes     | Story   | In Progress | Normal   | GBIF: Developing                                                                                                      |                   | 2019-02-19 18:24 |                     |
| 8227 | Infrastructure   | Story   | In Progress | Normal   | ExceptionHandler regurgitates long html pages into the wrapping ServiceFailure message, which goes into CN log files. | Rob Nahf          | 2018-01-09 19:10 | d1_common_java      |
| 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   |
| 8364 | CN REST          | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates                                                                          |                   | 2019-05-21 12:57 | d1_portal_servlet   |
| 8155 | Infrastructure   | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API                                                                             | Roger Dahl        | 2018-01-17 18:43 | d1_mn_GMN           |
| 6396 | Infrastructure   | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally                                                          | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker        |
| 7896 | Member Nodes     | Bug     | In Progress | Normal   | Dryad data sets don't mark new versions correctly in SystemMetadata with obsoletes/obsoletedBy                        | Monica Ihli       | 2017-07-24 10:10 |                     |
| 8358 | Member Nodes     | Story   | In Progress | Normal   | Discovery & Planning (CAFF)                                                                                           | Amy Forrester     | 2018-04-06 14:56 |                     |
| 1035 | Infrastructure   | Task    | In Progress | Normal   | Develop reference architecture documents                                                                              | Bruce Wilson      | 2011-03-03 19:26 | Documentation       |
| 8081 | Infrastructure   | Story   | In Progress | Normal   | develop federated broker configuration for indexing                                                                   | Rob Nahf          | 2018-01-17 18:46 | d1_indexer          |
| 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  |
| 7148 | OGC-Slender Node | Task    | In Progress | Normal   | Determine formatId for science metadata                                                                               | Dave Vieglais     | 2015-09-22 16:27 |                     |
| 7146 | OGC-Slender Node | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services                                                         | Dave Vieglais     | 2015-06-05 13:37 |                     |
| 1479 | CN REST          | Task    | In Progress | Normal   | Design web UI for validating newly created identities                                                                 | Ben Leinfelder    | 2015-01-19 22:59 |                     |
| 2169 | Infrastructure   | Task    | In Progress | Normal   | Design content and layout for status page                                                                             | Dave Vieglais     | 2012-03-14 20:40 | d1_monitor          |
| 5141 | Infrastructure   | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document                                                    | Dave Vieglais     | 2018-01-17 19:58 | Documentation       |
| 4188 | Infrastructure   | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification                                                | Dave Vieglais     | 2018-01-17 20:05 | d1_schemas          |
| 8633 | Member Nodes     | Task    | In Progress | Normal   | DAAC: Re-Training & Re-Deployment Planning                                                                            | Amy Forrester     | 2018-07-02 14:53 |                     |
| 6033 | Infrastructure   | Task    | In Progress | Normal   | d1_libclient_python CCI 2.0 support                                                                                   | Roger Dahl        | 2014-08-11 16:22 | d1_libclient_python |
| 6026 | Infrastructure   | Task    | In Progress | Normal   | d1_common CCI 2.0 support                                                                                             | Roger Dahl        | 2014-08-01 15:49 | d1_common_python    |
| 7523 | Infrastructure   | Bug     | In Progress | Normal   | D1Client no longer updates stale NodeList                                                                             | Rob Nahf          | 2016-04-19 22:27 | d1_libclient_java   |
| 3666 | Java Client      | Story   | In Progress | Low      | D1Client.listUpdateHistory() needs to handle changing access policies                                                 | Rob Nahf          | 2018-01-17 20:19 | d1_libclient_java   |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                           | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------------|
| 6034 | Infrastructure | Task    | In Progress | Normal   | d1_client_cli CCI 2.0 support                                                                     | Roger Dahl     | 2014-08-11 16:23 | d1_client_cli                 |
| 8225 | Member Nodes   | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea                                                         | Rob Nahf       | 2018-05-17 14:30 |                               |
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats                                       | Ben Leinfelder | 2012-08-14 23:41 |                               |
| 7102 | Member Nodes   | Task    | In Progress | Normal   | Create test server certificate for test.piscoweb.org                                              | Dave Vieglais  | 2015-05-14 18:28 |                               |
| 725  | Infrastructure | Story   | In Progress | Normal   | Create Authentication and Access control design specifications                                    | Dave Vieglais  | 2018-01-17 20:52 | Documentation                 |
| 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            |
| 7505 | Member Nodes   | Task    | In Progress | Normal   | Correct generous access policies                                                                  | Roger Dahl     | 2018-07-02 20:39 |                               |
| 4045 | Member Nodes   | Task    | In Progress | Normal   | Conversation with Laura/Mike re USGS ScienceBase planning                                         | Laura Moyers   | 2014-05-30 19:45 |                               |
| 3591 | Infrastructure | Story   | In Progress | Normal   | Content consistency checks for new member nodes                                                   | Rob Nahf       | 2018-01-17 20:23 | MNWebChecker                  |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                                            | Rob Nahf       | 2014-10-01 22:04 | d1_integration                |
| 7358 | Infrastructure | Story   | In Progress | Normal   | ContactSubject on NodeList must be valid D1 ldap entry                                            | Dave Vieglais  | 2016-12-21 09:05 | Authentication, Authorization |
| 7612 | Infrastructure | Task    | In Progress | Normal   | Contact ORNLDAAC                                                                                  | Laura Moyers   | 2016-02-11 18:02 | Environment.Production        |
| 5455 | Member Nodes   | Task    | In Progress | Normal   | Contact Line Pouchard to re-open discussion about PURL as a potential MN                          | Bruce Wilson   | 2015-11-19 19:17 |                               |
| 3220 | Member Nodes   | Task    | In Progress | Normal   | contact iEcolab to determine possible MN role                                                     | Ben Leinfelder | 2013-10-01 17:53 |                               |
| 8038 | Infrastructure | Story   | In Progress | Normal   | connect logging output to a log analysis tool                                                     | Dave Vieglais  | 2018-01-17 18:52 | d1_synchronization            |
| 7890 | Infrastructure | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories                                | Rob Nahf       | 2017-04-19 19:12 |                               |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                                                   | Matthew Jones  | 2014-10-01 20:47 | Documentation                 |
| 7958 | Infrastructure | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN                             | Rob Nahf       | 2017-01-04 17:23 | d1_synchronization            |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header                                           | Chris Jones    | 2013-02-21 18:41 | Metacat                       |
| 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            |
| 8523 | Member Nodes   | Task    | In Progress | Normal   | CAFF: Technical Requirements & Design Planning                                                    | Amy Forrester  | 2018-06-14 14:21 |                               |
| 8522 | Member Nodes   | Task    | In Progress | Normal   | CAFF: MN Communications                                                                           | Amy Forrester  | 2018-04-11 14:48 |                               |
| 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             |
| 3122 | Infrastructure | Bug     | In Progress | Normal   | asterisk in search term                                                                           | Skye Roseboom  | 2014-10-02 18:02 | d1_mercury                    |
| 7929 | Member Nodes   | Task    | In Progress | Normal   | Archive content for SEAD                                                                          |                | 2016-11-09 17:11 |                               |
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN                                                                              | Dave Vieglais  | 2013-10-06 20:11 | mn.OPeNDAP                    |
| 6854 | Infrastructure | Feature | In Progress | Normal   | add testAssumptionFailure to run listener                                                         | Rob Nahf       | 2016-01-26 22:30 | d1_integration                |
| 3721 | Java Client    | Task    | In Progress | Normal   | add resource map validation routine to libclient_java                                             | Rob Nahf       | 2015-02-11 20:42 | d1_libclient_java             |



| #    | Project          | Tracker      | Status      | Priority | Subject                                                                                             | Assignee       | Updated          | Category            |
|------|------------------|--------------|-------------|----------|-----------------------------------------------------------------------------------------------------|----------------|------------------|---------------------|
| 2540 | Infrastructure   | Feature      | In Progress | Normal   | add generateIdentifier() method to MNStorage API                                                    | Dave Vieglaiss | 2014-10-02 17:54 | Documentation       |
| 1159 | Infrastructure   | Task         | In Progress | Normal   | Add description of Group creation and management to design specs.                                   | Matthew Jones  | 2014-10-01 20:47 |                     |
| 7181 | Python Libraries | Task         | In Progress | Normal   | add d1_libclient_python implementation                                                              | Dave Vieglaiss | 2016-04-21 22:37 | d1_libclient_python |
| 3978 | Infrastructure   | Task         | In Progress | Normal   | Add a CN reporting script that summarizes spatial data for the dashboard                            | Chris Jones    | 2014-03-31 17:41 | d1_dashboard        |
| 5835 | Member Nodes     | Task         | Ready       | Normal   | GBIF: Local Testing                                                                                 | Rob Nahf       | 2019-01-24 16:53 |                     |
| 7865 | Member Nodes     | MNDeployment | Planning    | Normal   | Hydroshare (CUAHSI)                                                                                 | John Evans     | 2019-09-17 14:33 |                     |
| 7296 | Member Nodes     | MNDeployment | Planning    | Normal   | GCOOS                                                                                               | Monica Ihli    | 2018-04-16 15:53 |                     |
| 8839 | Member Nodes     | MNDeployment | Planning    | Normal   | CMU KiltHub via Figshare                                                                            | Roger Dahl     | 2019-09-24 17:48 |                     |
| 3230 | Member Nodes     | MNDeployment | Planning    | Normal   | ARM - Atmospheric Radiation Measurement member node                                                 | John Evans     | 2019-11-25 20:10 |                     |
| 8254 | Member Nodes     | MNDeployment | Planning    | Normal   | ABDS - Arctic Biodiversity Data Service (CAFF)                                                      | Amy Forrester  | 2019-09-17 14:31 |                     |
| 5582 | Infrastructure   | Bug          | New         | Normal   | xinetd not supported via debian install                                                             | Robert Waltz   | 2014-10-02 19:27 | d1_cn_buildout      |
| 3869 | Infrastructure   | Bug          | New         | Normal   | wrong key set in portal/WEB-INF/client.xml                                                          | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout      |
| 7475 | DUG              | Task         | New         | Normal   | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC                  |                | 2015-11-09 22:38 |                     |
| 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  |
| 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 |                     |
| 3763 | Infrastructure   | Task         | New         | Low      | Visualize PyPI download statistics for Python components                                            | Roger Dahl     | 2014-10-01 21:32 | d1_dashboard        |
| 8247 | Member Nodes     | Task         | New         | Normal   | Verify upgraded metacat is operating correctly as a production member node.                         | Jing Tao       | 2018-02-02 15:49 |                     |
| 5122 | Member Nodes     | Task         | New         | Normal   | Verify/update information in TFRI's node registration                                               | Chris Jones    | 2014-04-18 16:51 |                     |
| 1226 | Infrastructure   | Task         | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war                                   |                | 2011-01-13 14:57 | d1_cn_buildout      |
| 8369 | Infrastructure   | Task         | New         | Normal   | Verify operation and transfer DNS                                                                   | Dave Vieglaiss | 2018-02-15 17:40 |                     |
| 2791 | Infrastructure   | Task         | New         | Normal   | verify on dev machines                                                                              | Dave Vieglaiss | 2012-05-21 17:41 | d1_cn_buildout      |
| 3757 | Infrastructure   | Task         | New         | Normal   | Verify Log reporting in MN Tester                                                                   | Rob Nahf       | 2013-05-10 17:42 | d1_integration      |
| 7821 | Python Libraries | Task         | New         | Low      | Verify Expect: 100-Continue header on POST or PUT requests                                          | Roger Dahl     | 2016-06-03 19:58 | d1_libclient_python |
| 8810 | CN REST          | Task         | New         | Normal   | Verify configuration of portal certificates                                                         |                | 2019-05-21 13:00 |                     |
| 8066 | Infrastructure   | Task         | New         | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest                                      | Dave Vieglaiss | 2017-04-11 23:47 | d1_indexer          |
| 1411 | Infrastructure   | Task         | New         | Normal   | Vendor Specific Extensions                                                                          |                | 2011-03-08 16:59 |                     |
| 8796 | Infrastructure   | Story        | New         | Normal   | Various issues with service access after upgrade to 18.04                                           | Jing Tao       | 2019-05-21 12:38 |                     |

| #    | Project                 | Tracker      | Status | Priority | Subject                                                                                                   | Assignee            | Updated          | Category                      |
|------|-------------------------|--------------|--------|----------|-----------------------------------------------------------------------------------------------------------|---------------------|------------------|-------------------------------|
| 4067 | Infrastructure          | Bug          | New    | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.               | Robert Waltz        | 2016-08-10 21:01 | d1_cn_service                 |
| 4118 | Member Nodes            | Task         | New    | Normal   | Validate FRIM sync against stage environment                                                              |                     | 2015-01-23 19:02 |                               |
| 8850 | Infrastructure          | Bug          | New    | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong                               | Jing Tao            | 2019-11-06 18:32 | d1_indexer                    |
| 7097 | Infrastructure          | Bug          | New    | Normal   | v1 call to CN.search() yields a NoClassDef exception for bouncycastle                                     | Rob Nahf            | 2015-05-12 18:46 |                               |
| 8683 | Member Nodes            | Story        | New    | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN                                                          | John Evans          | 2019-05-15 14:03 |                               |
| 3989 | Member Nodes            | Task         | New    | Normal   | USGS Clearinghouse resource maps have discrepancies with CN                                               | Ranjeet Devarakonda | 2013-09-26 23:34 |                               |
| 8234 | Infrastructure          | Story        | New    | Normal   | Use University of Kansas ORCID membership to support authentication in production environment             | Dave Vieglais       | 2018-01-09 19:10 | Authentication, Authorization |
| 2051 | Infrastructure          | Task         | New    | Normal   | Use subject instead of NodeRef                                                                            |                     | 2011-11-23 18:11 | Documentation                 |
| 8077 | Search UI               | Task         | New    | Normal   | Use ORE PID for citation if DOI                                                                           |                     | 2017-04-24 16:32 |                               |
| 7935 | Infrastructure          | Task         | New    | Normal   | Use a dedicated hazelcast queue as the listener to generate index task                                    | Jing Tao            | 2017-02-27 18:07 | d1_indexer                    |
| 7050 | Member Nodes            | MNDeployment | New    | Normal   | USDA ARS                                                                                                  |                     | 2015-04-17 17:27 |                               |
| 8103 | Infrastructure          | Task         | New    | Normal   | Upgrade the postgresql jdbc jar file on the cn context                                                    | Jing Tao            | 2017-06-02 20:56 | d1_cn_service                 |
| 8102 | Infrastructure          | Task         | New    | Normal   | Upgrade postgresql jdbc jar file on Portal                                                                | Jing Tao            | 2017-06-02 20:53 | d1_portal                     |
| 8104 | Infrastructure          | Task         | New    | Normal   | Upgrade postgresql jdbc jar file on Metacat                                                               | Jing Tao            | 2017-06-02 20:58 | Metacat                       |
| 8782 | Infrastructure          | Story        | New    | Normal   | Upgrade OS to Ubuntu 18.04 on CNs                                                                         | Jing Tao            | 2019-03-22 18:12 |                               |
| 8246 | Member Nodes            | Task         | New    | Normal   | Upgrade metacat to the latest version                                                                     | Jing Tao            | 2018-04-23 16:09 |                               |
| 8244 | Member Nodes            | Story        | New    | Normal   | Upgrade Member Node to current version of Metacat (IOE)                                                   | Amy Forrester       | 2018-01-25 15:36 |                               |
| 3380 | Infrastructure          | Task         | New    | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x                                                                 | Dave Vieglais       | 2012-12-12 16:50 |                               |
| 7183 | Infrastructure          | Story        | New    | Normal   | Update wild card server certificate on all test.dataone.org systems                                       | Dave Vieglais       | 2015-06-15 15:10 | Support Operations            |
| 1986 | Infrastructure          | Task         | New    | Normal   | Update UC04 to use correct CN method for determining if a PID exists                                      | Dave Vieglais       | 2014-10-02 17:21 | Documentation                 |
| 8604 | Infrastructure          | Task         | New    | Normal   | Update the static IP lists for robots etc                                                                 | Dave Vieglais       | 2018-06-07 20:56 | d1_log_aggregation            |
| 7439 | MN Service Registration | Task         | New    | Normal   | Update the search interface to support rendering and other actions for services                           | Dave Vieglais       | 2015-10-16 14:06 |                               |
| 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        |
| 6398 | Infrastructure          | Task         | New    | Normal   | update MNWebTest operations docs                                                                          | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker                  |
| 1649 | Infrastructure          | Task         | New    | Normal   | Update Metacat's CNCOREImpl to include addFormat()                                                        |                     | 2016-06-22 16:51 |                               |
| 1651 | Infrastructure          | Task         | New    | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                                    |                     | 2016-06-22 16:51 |                               |

| #    | Project               | Tracker      | Status | Priority | Subject                                                                                                 | Assignee         | Updated          | Category                |
|------|-----------------------|--------------|--------|----------|---------------------------------------------------------------------------------------------------------|------------------|------------------|-------------------------|
| 3906 | Member Nodes          | Task         | New    | High     | Update malformed Resource Maps                                                                          |                  | 2013-08-09 17:50 |                         |
| 3625 | Infrastructure        | Task         | New    | Normal   | Update existing SANParks doctype="metadata" objects to new ESRI/FGDC objectFormatId                     | Ben Leinfelder   | 2013-02-27 23:44 | Environment.Production  |
| 6367 | Infrastructure        | Task         | New    | Normal   | Update drive firmware on P2-1 UCSB SAN Array                                                            | Nick Outin       | 2014-09-08 20:19 | Hardware                |
| 1648 | Java Client           | Task         | New    | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                                       |                  | 2016-06-22 16:51 | d1_libclient_java       |
| 1647 | Java Client           | Task         | New    | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                                    |                  | 2016-06-22 16:51 | d1_common_java          |
| 1650 | Infrastructure        | Task         | New    | Normal   | Update d1_cn_service ProxyCNCoreService and CNCoreController to include addFormat()                     |                  | 2016-06-22 16:51 |                         |
| 8858 | Infrastructure        | Task         | New    | Normal   | Update CN Apache configs in version control with directives to support sitemaps                         | Bryce Mecum      | 2020-02-24 19:26 |                         |
| 8368 | Infrastructure        | Story        | New    | Normal   | Update backup strategy for jenkins job configurations to subversion                                     | Dave Vieglaiss   | 2019-01-22 19:25 | Support Operations      |
| 4190 | Infrastructure        | Task         | New    | Normal   | Update architecture docs to import dataoneErrors.xsd                                                    | Dave Vieglaiss   | 2014-09-24 18:28 | Documentation           |
| 3728 | Infrastructure        | Task         | New    | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata | Dave Vieglaiss   | 2014-09-24 18:27 | Documentation           |
| 3567 | Member Nodes          | Task         | New    | Normal   | Unresolvable content on CN from ONEShare                                                                |                  | 2016-06-03 13:43 |                         |
| 6761 | Infrastructure        | Task         | New    | Normal   | unregister extraneous nodes in STAGE-2                                                                  |                  | 2015-01-14 00:49 | Environment.Stage2      |
| 3371 | Infrastructure        | Task         | New    | Normal   | unmarshalTypeFromFile method is using FileReader                                                        |                  | 2012-10-29 19:15 |                         |
| 7919 | Infrastructure        | Bug          | New    | High     | unloadable system metadata in CNs by Hazelcast                                                          |                  | 2016-11-01 19:30 | Metacat                 |
| 7096 | CN REST               | Task         | New    | Normal   | Unexpectedly closed streams / disconnects on UNM network                                                | Dave Vieglaiss   | 2015-05-12 17:49 |                         |
| 7163 | Member Nodes          | MNDeployment | New    | Low      | UN Environmental Programme World Conservation Monitoring Centre (UNEP WCMC)                             | Bruce Wilson     | 2016-04-04 17:17 |                         |
| 6542 | Infrastructure        | Bug          | New    | Normal   | Unable to add metadata document on mndemo8                                                              |                  | 2014-10-30 16:30 | Environment.Development |
| 3236 | Member Nodes          | MNDeployment | New    | Normal   | UCNRS member node                                                                                       | Mark Schildhauer | 2013-01-30 20:59 |                         |
| 8030 | Member Nodes          | MNDeployment | New    | Normal   | UCAR Research Data Archive                                                                              | Laura Moyers     | 2018-04-16 17:39 |                         |
| 1983 | Infrastructure        | Task         | New    | Normal   | UC04 describes MNCORE.ping() with discovery capability                                                  | Dave Vieglaiss   | 2014-10-02 17:21 | Documentation           |
| 1961 | Infrastructure        | Task         | New    | Normal   | Types.ErrorMessage - does not exist                                                                     | Dave Vieglaiss   | 2014-10-02 17:21 | Documentation           |
| 2172 | Infrastructure        | Task         | New    | Normal   | Types.DateTime: Example serialization without TZ designator                                             | Dave Vieglaiss   | 2014-10-02 17:21 | Documentation           |
| 7370 | Infrastructure        | Bug          | New    | Normal   | TypeFactory.convertTypeFromType does not use xmlValue comparisons for Enum conversions                  | Rob Nahf         | 2015-09-21 16:07 | d1_common_java          |
| 4227 | Member Nodes          | MNDeployment | New    | Low      | TRY Plant Trait Database                                                                                | Laura Moyers     | 2015-11-19 15:40 |                         |
| 8346 | Testing MN Management | Task         | New    | Normal   | Training & Education                                                                                    |                  | 2018-02-08 15:28 |                         |

| #    | Project               | Tracker      | Status | Priority | Subject                                                                                                | Assignee       | Updated          | Category           |
|------|-----------------------|--------------|--------|----------|--------------------------------------------------------------------------------------------------------|----------------|------------------|--------------------|
| 8531 | Member Nodes          | Task         | New    | Normal   | Training & education                                                                                   |                | 2018-04-06 15:11 |                    |
| 1333 | Infrastructure        | Task         | New    | Normal   | traceInformation -> trace                                                                              |                | 2011-02-09 22:46 |                    |
| 8860 | CN REST               | Bug          | New    | Normal   | /token endpoint doesn't set a content-type and character encoding                                      |                | 2020-02-29 01:00 | d1_portal          |
| 3894 | Infrastructure        | Task         | New    | Normal   | This task contains all the bugs related to the story                                                   |                | 2014-09-24 18:27 |                    |
| 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 |                    |
| 2147 | Infrastructure        | Task         | New    | Low      | The Python stack does not support Unicode supplementary characters (above 0xffff)                      | Roger Dahl     | 2012-04-16 03:50 | d1_common_python   |
| 8043 | Infrastructure        | Bug          | New    | Normal   | The origin field for EML documents isn't properly extracted when references are used                   | Jing Tao       | 2019-02-12 18:45 | d1_indexer         |
| 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 |                    |
| 3597 | Member Nodes          | Task         | New    | Normal   | The Avian Knowledge Network (AKN) and Cornell Lab of Ornithology eBird should be distinct Member Nodes | Ben Leinfelder | 2014-04-23 01:32 |                    |
| 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 |                    |
| 8846 | Member Nodes          | Bug          | New    | Normal   | TFRI node unresponsive                                                                                 |                | 2019-10-08 15:26 |                    |
| 6376 | Infrastructure        | Task         | New    | Normal   | test the new strategy against working ReplicationManager test                                          | Rob Nahf       | 2016-06-22 16:53 | d1_replication     |
| 8703 | Infrastructure        | Task         | New    | Normal   | test the cleaned up indexer in DEV                                                                     | Rob Nahf       | 2018-09-24 18:05 | d1_indexer         |
| 6397 | Infrastructure        | Task         | New    | Normal   | test that it works from standalone .war                                                                | Rob Nahf       | 2014-10-01 20:34 | MNWebChecker       |
| 8466 | Testing MN Management | Task         | New    | Normal   | test: Test Registration                                                                                |                | 2018-03-01 21:04 |                    |
| 8463 | Testing MN Management | Story        | New    | Normal   | test: Testing & Development                                                                            |                | 2018-03-01 21:04 |                    |
| 4665 | Java Client           | Task         | New    | Normal   | Tests contain redundant code.                                                                          |                | 2015-02-11 20:08 |                    |
| 8350 | Testing MN Management | Task         | New    | Normal   | Test Registration                                                                                      |                | 2018-02-08 15:28 |                    |
| 8294 | Testing MN Management | MNDeployment | New    | Normal   | Test Node 2                                                                                            |                | 2018-02-08 15:28 |                    |
| 8462 | Testing MN Management | MNDeployment | New    | Normal   | Test MN ticket                                                                                         |                | 2018-03-01 20:57 |                    |
| 8464 | Testing MN Management | Task         | New    | Normal   | test: Metadata Validation                                                                              |                | 2018-03-01 21:04 |                    |
| 8347 | Testing MN Management | Story        | New    | Normal   | Testing & Development                                                                                  |                | 2018-02-08 15:28 |                    |
| 925  | Infrastructure        | Task         | New    | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                        |                | 2011-10-31 20:32 | d1_client_ONEDrive |

| #    | Project               | Tracker      | Status | Priority | Subject                                                                                         | Assignee       | Updated          | Category                |
|------|-----------------------|--------------|--------|----------|-------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------|
| 8145 | Member Nodes          | Task         | New    | Normal   | Test Fabric                                                                                     | Monica Ihli    | 2017-07-19 00:44 |                         |
| 8467 | Testing MN Management | Task         | New    | Normal   | test: Display as Upcoming                                                                       |                | 2018-03-01 21:04 |                         |
| 8465 | Testing MN Management | Task         | New    | Normal   | test: Develop or Implement MN Software                                                          |                | 2018-03-01 21:04 |                         |
| 8154 | Member Nodes          | Task         | New    | Normal   | Test content from the test NKN member node should be archived or deleted from production        |                | 2017-07-26 19:55 |                         |
| 8149 | Member Nodes          | Task         | New    | Normal   | Test 1.x to 2.x pip upgrade w/ no data                                                          | Monica Ihli    | 2017-09-26 15:57 |                         |
| 7161 | CN REST               | Bug          | New    | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized                          |                | 2015-06-05 18:04 | d1_synchronization      |
| 8345 | Testing MN Management | Task         | New    | Normal   | Technical Requirements                                                                          |                | 2018-02-08 15:28 |                         |
| 8723 | Member Nodes          | Task         | New    | Low      | tDAR: Implemented IP Whitelisting on tDAR systems / Impacts to reporting                        | Amy Forrester  | 2018-10-02 16:51 |                         |
| 3211 | Member Nodes          | MNDeployment | New    | Normal   | Taiwan Ecological Research Network member node                                                  | Ben Leinfelder | 2014-02-20 21:58 |                         |
| 8076 | Infrastructure        | Bug          | New    | High     | sysmeta can not be retrieved for some objects                                                   | Dave Vieglais  | 2017-04-22 01:54 | dataone-cn-rest-service |
| 7687 | CN REST               | Bug          | New    | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification              | Rob Nahf       | 2016-07-22 19:22 | d1_synchronization      |
| 8036 | Infrastructure        | Story        | New    | Normal   | synchronization should respond to various MN down conditions to avoid syncFailures              | Rob Nahf       | 2018-01-17 18:55 | d1_synchronization      |
| 4098 | Infrastructure        | Task         | New    | Normal   | Synchronization should allow valid replicas held by MNs to set obsoletedBy and archive flags    | Dave Vieglais  | 2014-07-31 22:23 | 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      |
| 7889 | Infrastructure        | Story        | New    | Normal   | Synchronization not happening when authoritativeMN is not set correctly.                        | Rob Nahf       | 2018-01-17 19:01 | d1_synchronization      |
| 6011 | Infrastructure        | Bug          | New    | Normal   | Synchronization fails from max_syncobjectqueue_size                                             | Robert Waltz   | 2016-01-05 17:52 | 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      |
| 8655 | Infrastructure        | Bug          | New    | High     | Synchronization died with OOM                                                                   |                | 2018-07-13 11:24 |                         |
| 7911 | CN REST               | Task         | New    | Normal   | Synchronization allows invalid checksums, preventing corrected sync                             |                | 2016-10-17 15:58 | 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      |
| 8864 | CN REST               | Story        | New    | Normal   | Synchronization does not register authoritative replica entry correctly                         | Jing Tao       | 2020-06-19 21:59 | d1_synchronization      |
| 6543 | Infrastructure        | Story        | New    | Normal   | Support RIF-CS metadata standard                                                                | Dave Vieglais  | 2018-01-17 19:46 | Format ID               |

| #    | Project          | Tracker      | Status | Priority | Subject                                                                                                                                         | Assignee      | Updated          | Category                |
|------|------------------|--------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------------------|
| 7095 | Python GMN       | Story        | New    | Low      | Support HTTP redirect capability for GMN within the Vendor Specific Extension model                                                             | Dave Vieglais | 2016-03-25 02:30 |                         |
| 8507 | Infrastructure   | Task         | New    | Normal   | Support generation of citation metadata records from dublin core                                                                                |               | 2018-03-19 22:37 |                         |
| 6876 | Infrastructure   | Task         | New    | Normal   | Support for ISO 19139 metadata standard                                                                                                         |               | 2015-03-10 17:27 | Format ID               |
| 6877 | Infrastructure   | Task         | New    | Normal   | Support for ISO 19115 metadata standard                                                                                                         |               | 2015-03-10 18:08 | Format ID               |
| 6883 | Infrastructure   | Story        | New    | Normal   | support for ESRI Shapefile object format                                                                                                        |               | 2018-01-17 19:40 | Format ID               |
| 8504 | Infrastructure   | Story        | New    | Normal   | Support creation of data citation record from solr record                                                                                       | Monica lhli   | 2018-07-17 23:06 | d1_indexer              |
| 8737 | Infrastructure   | Story        | New    | Normal   | Submitters and rights-holders with group permissions can't be granted authorization when the sync process validates sid                         | Jing Tao      | 2018-11-28 17:12 | d1_synchronization      |
| 1520 | Infrastructure   | Task         | New    | Normal   | Stream Output                                                                                                                                   |               | 2011-05-04 14:35 |                         |
| 3994 | Member Nodes     | Task         | New    | Normal   | Stories and bugs are showing up in the MN Dashboard; should be restricted to MNDeployment trackers                                              | Dave Vieglais | 2013-09-26 23:34 |                         |
| 7908 | DUG              | Task         | New    | Normal   | Start a lesson learned document                                                                                                                 |               | 2016-10-11 20:35 |                         |
| 8078 | Infrastructure   | Task         | New    | Normal   | standardize task serialization for language independence                                                                                        | Rob Nahf      | 2017-04-25 22:39 | d1_indexer              |
| 4663 | Java Client      | Task         | New    | Normal   | src/main/resources appears to have config for log4j through commons-logging but neither logging library is declared as a test scope dependency. |               | 2015-02-11 20:08 |                         |
| 4660 | Java Client      | Task         | New    | Normal   | src/main/java has XML files                                                                                                                     | Robert Waltz  | 2015-02-11 20:08 | d1_common_java          |
| 2083 | Infrastructure   | Task         | New    | Normal   | Split the CN API into public and private sections                                                                                               | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 2227 | Infrastructure   | Task         | New    | Normal   | Specify valid mimetypes for responses                                                                                                           | Dave Vieglais | 2014-10-02 17:21 | Documentation           |
| 8842 | Infrastructure   | Story        | New    | Normal   | Some exceptions in Metacat                                                                                                                      |               | 2019-09-19 17:53 |                         |
| 8841 | Infrastructure   | Story        | New    | Normal   | Solr Index processor don't parse the attributes on the otherEntity on an EML object                                                             | Jing Tao      | 2019-09-10 22:41 | d1_indexer              |
| 7299 | Python Libraries | Bug          | New    | Normal   | SolrConnection fails if persistent property is not set to True                                                                                  | Roger Dahl    | 2016-04-20 19:45 | d1_libclient_python     |
| 7682 | Log Reporting    | Task         | New    | Normal   | Sluggish Purging Read Event Cache                                                                                                               |               | 2016-03-17 15:02 | d1_log_aggregation      |
| 1762 | Infrastructure   | Task         | New    | Normal   | Sketch CN components and associations                                                                                                           | Dave Vieglais | 2014-10-02 17:40 |                         |
| 4296 | Member Nodes     | MNDeployment | New    | Normal   | Sierra Nevada Global Change Observatory Member Node                                                                                             | Laura Moyers  | 2017-01-30 17:01 |                         |
| 6359 | Member Nodes     | MNDeployment | New    | Low      | SiBBR                                                                                                                                           | Laura Moyers  | 2015-11-19 17:20 |                         |
| 6067 | Infrastructure   | Decision     | New    | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?                                                                                      | Robert Waltz  | 2014-08-22 03:58 | Environment.Development |
| 7822 | Infrastructure   | Task         | New    | Normal   | Should we configure clients to use Expect 100-Continue header in 1.1 requests                                                                   | Rob Nahf      | 2016-06-03 19:46 | d1_libclient_java       |
| 8776 | CN REST          | Task         | New    | Normal   | Set valid replica status to completed                                                                                                           | Chris Jones   | 2019-03-12 15:57 | d1_replication_auditor  |
| 7047 | Infrastructure   | Task         | New    | Normal   | Set user-agent in http request header for CN requests to member nodes                                                                           | Robert Waltz  | 2015-04-15 22:41 | d1_cn_service           |

| #    | Project          | Tracker      | Status | Priority | Subject                                                                                                            | Assignee      | Updated          | Category                      |
|------|------------------|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------------------------|
| 6399 | Infrastructure   | Task         | New    | Normal   | set up release practice for the MNWebTester .war                                                                   | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker                  |
| 2810 | Infrastructure   | Task         | New    | Normal   | setReplicationStatus() example rwt state transition is incorrect                                                   | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 8845 | Member Nodes     | Bug          | New    | Normal   | Server is returning a 500 error.                                                                                   |               | 2019-10-08 15:20 |                               |
| 8843 | Member Nodes     | Bug          | New    | Normal   | Server certificate is expired                                                                                      |               | 2019-10-08 15:14 |                               |
| 8844 | Member Nodes     | Bug          | New    | Normal   | Server certificate is expired                                                                                      |               | 2019-10-08 18:27 |                               |
| 7123 | Python Libraries | Task         | New    | Normal   | Send Authorization header carrying authentication token                                                            | Roger Dahl    | 2016-04-21 22:37 | d1_libclient_python           |
| 8554 | Member Nodes     | MNDeployment | New    | Normal   | SEDAC - NASA Socioeconomic Data and Applications Center                                                            |               | 2018-04-17 20:05 |                               |
| 7918 | CN REST          | Bug          | New    | Normal   | SEAD object only partially synchronized - missing autogen.2016092916012224122 document from /var/metacat/documents | Dave Vieglais | 2016-10-21 18:00 | cn_metacat                    |
| 8563 | Member Nodes     | MNDeployment | New    | Normal   | Scripps Institute of Oceanography Explorer                                                                         |               | 2018-04-18 16:40 |                               |
| 3260 | Member Nodes     | Task         | New    | Normal   | Scope out the implementation of a CitSci.org MN                                                                    | Bruce Wilson  | 2012-09-20 20:51 |                               |
| 7910 | Infrastructure   | Task         | New    | Normal   | schema validation behavior                                                                                         | Rob Nahf      | 2018-01-18 02:41 | d1_common_java                |
| 7712 | Infrastructure   | Story        | New    | Normal   | Sanparks fails during LogAggregation                                                                               | Laura Moyers  | 2016-04-06 16:43 | Environment.Production        |
| 7936 | Infrastructure   | Bug          | New    | Normal   | Same pid with different status exists in the index_task table                                                      | Jing Tao      | 2017-02-27 18:07 | d1_indexer                    |
| 3891 | Infrastructure   | Task         | New    | Normal   | review vulnerability to BREACH attacks                                                                             | Dave Vieglais | 2013-08-07 15:01 | Authentication, Authorization |
| 8308 | Infrastructure   | Task         | New    | Normal   | Review use of /node/subject in the node documents                                                                  |               | 2018-02-06 20:05 |                               |
| 8505 | Infrastructure   | Task         | New    | Normal   | Review solr terms for coverage of data citation elements                                                           | Monica Ihli   | 2018-03-19 21:57 |                               |
| 3901 | Infrastructure   | Task         | New    | Normal   | Review Mozilla Persona as an alternative for identity management                                                   | Dave Vieglais | 2013-08-09 11:57 | Documentation                 |
| 8230 | Infrastructure   | Task         | New    | Normal   | review bouncy castle version                                                                                       | Rob Nahf      | 2018-03-02 21:48 | d1_libclient_java             |
| 8206 | Infrastructure   | Task         | New    | Normal   | Review and adjust memory allocation to Solr and zookeeper                                                          |               | 2017-10-24 16:03 |                               |
| 8207 | Infrastructure   | Story        | New    | Normal   | review and adjust memory allocated to d1-processing                                                                |               | 2018-01-09 19:10 |                               |
| 8208 | Infrastructure   | Story        | New    | Normal   | Review and adjust memory allocated to d1-index-task-generator and d1-index-task-processor                          |               | 2018-01-09 19:10 |                               |
| 3774 | Member Nodes     | Task         | New    | Normal   | return NotFound exceptions for /meta and /object calls using "near miss" identifiers                               | Ryan Scherle  | 2014-03-14 18:22 |                               |
| 7940 | Infrastructure   | Story        | New    | Normal   | Retrieval of system metadata is too slow                                                                           | Robert Waltz  | 2018-01-09 19:10 | d1_cn_service                 |
| 7312 | Java Client      | Feature      | New    | Normal   | Restart connection manager                                                                                         |               | 2015-08-24 17:24 | d1_libclient_java             |
| 3720 | Infrastructure   | Story        | New    | Normal   | resource maps should be validated                                                                                  | Dave Vieglais | 2018-01-17 20:17 | Documentation                 |
| 8093 | Infrastructure   | Bug          | New    | Normal   | resource map index processing is inefficient (2sec / referenced object)                                            | Rob Nahf      | 2017-05-10 20:00 | d1_indexer                    |
| 6394 | Infrastructure   | Task         | New    | Normal   | Resolve SSL certificate connection errors for UNM Epscor Tier 4 MN in development                                  | Chris Jones   | 2014-09-18 18:39 | Support Operations            |

| #    | Project      | Tracker     | Status | Priority | Subject                                                                                                                                              | Assignee      | Updated          | Category       |
|------|--------------|-------------|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|----------------|
| 339  | Requirements | Requirement | New    | Low      | (Requirement) Web presence to provide publicly accessible information about the project                                                              |               | 2010-03-16 17:36 |                |
| 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 Vieglais | 2010-08-11 00:11 | Requirement    |
| 767  | Requirements | Requirement | New    | High     | (Requirement) Users need to be able to express embargo rules for data                                                                                | Dave Vieglais | 2010-08-11 00:16 | Requirement    |
| 761  | Requirements | Requirement | New    | High     | (Requirement) Users can specify authorization rules for data objects, science metadata objects, and process artifacts separately                     | Dave Vieglais | 2010-09-06 03:06 | 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 Vieglais | 2010-09-06 03:12 | Requirement    |
| 762  | Requirements | Requirement | New    | High     | (Requirement) User identities can be derived from existing institutional directory services                                                          | Dave Vieglais | 2010-09-06 03:01 | Requirement    |
| 765  | Requirements | Requirement | New    | High     | (Requirement) Tools can access an API for authn and authz                                                                                            | Dave Vieglais | 2010-09-06 20:30 | Requirement    |
| 411  | Requirements | Requirement | New    | High     | (Requirement) The infrastructure must survive destruction of one or more data storage nodes                                                          | Dave Vieglais | 2010-09-06 03:10 | d1_common_java |
| 410  | Requirements | Requirement | New    | Low      | (Requirement) The infrastructure must support long term preservation of Data                                                                         |               | 2010-03-25 15:41 |                |
| 581  | Requirements | Requirement | New    | Low      | (Requirement) System supports multiple types of science metadata                                                                                     |               | 2010-04-20 20:45 |                |
| 383  | Requirements | Requirement | New    | Low      | (Requirement) System supports data storage                                                                                                           |               | 2010-03-16 21:35 |                |
| 795  | Requirements | Requirement | New    | High     | (Requirement) System must support revocation of user permissions                                                                                     | Dave Vieglais | 2010-08-29 20:45 | Requirement    |
| 385  | Requirements | Requirement | New    | Low      | (Requirement) Support arbitrary unique identifiers                                                                                                   |               | 2010-03-16 22:09 |                |
| 318  | Requirements | Requirement | New    | High     | (Requirement) Sponsor required Y1 functionality                                                                                                      | Dave Vieglais | 2010-09-06 03:24 | d1_common_java |
| 821  | Requirements | Requirement | New    | High     | (Requirement) Sponsor required functionality                                                                                                         | Dave Vieglais | 2010-09-06 03:28 | d1_common_java |
| 431  | Requirements | Requirement | New    | Low      | (Requirement) Software developed for infrastructure should be implemented according to specifications                                                |               | 2010-03-25 14:44 |                |
| 8729 | Member Nodes | Task        | New    | Normal   | Requirements Analysis                                                                                                                                |               | 2018-10-11 17:24 |                |
| 8830 | Member Nodes | Task        | New    | Normal   | Requirements Analysis                                                                                                                                | John Evans    | 2019-08-06 14:44 |                |
| 371  | Requirements | Requirement | New    | Low      | (Requirement) Provide a suite of collaboration tools and instruction on how to use them                                                              |               | 2010-03-16 20:06 |                |
| 374  | Requirements | Requirement | New    | Low      | (Requirement) Periodic Reporting to Sponsor                                                                                                          |               | 2010-03-16 18:11 |                |
| 822  | Requirements | Requirement | New    | High     | (Requirement) Object access and manipulation should be responsive                                                                                    | Dave Vieglais | 2010-09-06 20:27 | d1_common_java |
| 768  | Requirements | Requirement | New    | High     | (Requirement) Need default authz policies that resolve problems associated with inaccessible principals                                              | Dave Vieglais | 2010-08-11 00:34 | Requirement    |



| #   | Project      | Tracker     | Status | Priority | Subject                                                                                                  | Assignee      | Updated          | Category       |
|-----|--------------|-------------|--------|----------|----------------------------------------------------------------------------------------------------------|---------------|------------------|----------------|
| 632 | Requirements | Requirement | New    | Low      | (Requirement) Monitor the DataONE infrastructure                                                         |               | 2010-05-28 20:10 |                |
| 439 | Requirements | Requirement | New    | Low      | (Requirement) Maintain original copies of all science metadata                                           |               | 2010-03-25 03:27 |                |
| 455 | Requirements | Requirement | New    | Low      | (Requirement) Installation of critical software must be well documented and as automated as possible     |               | 2010-03-25 13:52 |                |
| 389 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on the ORNL DAAC                                             |               | 2010-03-25 14:46 |                |
| 387 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on Metacat                                                   |               | 2010-10-06 22:00 |                |
| 388 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on Dryad                                                     |               | 2010-03-24 13:36 |                |
| 408 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Coordinating Node software stack                                               |               | 2010-03-25 15:44 |                |
| 392 | Requirements | Requirement | New    | High     | (Requirement) Identity and access control should be interoperable across datanets                        | Dave Vieglais | 2010-09-06 20:31 | Requirement    |
| 412 | Requirements | Requirement | New    | Low      | (Requirement) Identifiers always refer to the same object                                                |               | 2010-03-25 15:41 |                |
| 384 | Requirements | Requirement | New    | High     | (Requirement) Enable efficient mechanisms for users to discover content                                  | Dave Vieglais | 2010-09-06 03:58 | d1_common_java |
| 391 | Requirements | Requirement | New    | High     | (Requirement) Enable different classes of users commensurate with their roles.                           | Dave Vieglais | 2010-09-06 20:51 | Requirement    |
| 409 | Requirements | Requirement | New    | Low      | (Requirement) Develop a reference implementation of the Member Node stack                                |               | 2010-03-25 13:57 |                |
| 468 | Requirements | Requirement | New    | Low      | (Requirement) Design the cyberinfrastructure for the project.                                            |               | 2010-03-25 16:51 |                |
| 337 | Requirements | Requirement | New    | Low      | (Requirement) Deploy three coordinating nodes                                                            |               | 2010-03-17 15:14 |                |
| 386 | Requirements | Requirement | New    | Low      | (Requirement) Deploy at least three Member Nodes                                                         |               | 2010-03-17 13:39 |                |
| 433 | Requirements | Requirement | New    | Low      | (Requirement) Data and metadata is replicated to at least one other member node                          |               | 2010-03-25 03:11 |                |
| 390 | Requirements | Requirement | New    | High     | (Requirement) Consistent mechanism for identifying users                                                 | Dave Vieglais | 2010-09-06 20:50 | Requirement    |
| 820 | Requirements | Requirement | New    | High     | (Requirement) Common API for authentication and authorization operations                                 | Dave Vieglais | 2010-09-06 21:23 | Requirement    |
| 770 | Requirements | Requirement | New    | High     | (Requirement) Authorization system should be able to express the pseudo-principal concepts like 'public' | Dave Vieglais | 2010-08-11 00:41 | Requirement    |
| 769 | Requirements | Requirement | New    | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators    | Dave Vieglais | 2010-09-06 03:02 | Requirement    |
| 777 | Requirements | Requirement | New    | High     | (Requirement) Authorization rules should support common permission levels                                | Dave Vieglais | 2010-09-06 20:49 | Requirement    |
| 772 | Requirements | Requirement | New    | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications | Dave Vieglais | 2010-08-11 07:54 | Requirement    |
| 763 | Requirements | Requirement | New    | High     | (Requirement) Authentication and authorization services are geographically replicated                    | Dave Vieglais | 2010-09-06 20:52 | Requirement    |

| #    | Project          | Tracker     | Status | Priority | Subject                                                                                                     | Assignee      | Updated          | Category               |
|------|------------------|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------|---------------|------------------|------------------------|
| 764  | Requirements     | Requirement | New    | High     | (Requirement) Authentication and access control should be consistently available                            | Dave Vieglais | 2010-09-06 20:32 | Requirement            |
| 580  | Requirements     | Requirement | New    | Low      | (Requirement) All software developed on the project should be open source                                   | Dave Vieglais | 2010-04-15 22:57 |                        |
| 393  | Requirements     | Requirement | New    | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.                        | Dave Vieglais | 2010-09-06 20:27 | Requirement            |
| 8746 | Infrastructure   | Task        | New    | Normal   | Require email address from user when logging in via ORCID                                                   |               | 2018-11-16 05:57 |                        |
| 8162 | Infrastructure   | Story       | New    | Normal   | Replication tasks can contain stale potential target nodes                                                  | Rob Nahf      | 2018-03-02 21:47 | d1_replication         |
| 8642 | Infrastructure   | Bug         | New    | Normal   | Replication tasks apparently not deleted from backing store in a timely fashion                             | Dave Vieglais | 2018-07-05 12:11 | 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         |
| 8582 | CN REST          | Story       | New    | Normal   | Replica Auditing service is throwing errors                                                                 | Jing Tao      | 2019-01-14 16:40 | d1_replication_auditor |
| 4711 | Infrastructure   | Task        | New    | Normal   | replace SSL Certs for cn-unm-1.dataone.org                                                                  |               | 2014-09-24 18:14 |                        |
| 4712 | Infrastructure   | Task        | New    | Normal   | replace SSL cert for cn-ucsb-1.dataone.org                                                                  |               | 2014-09-24 18:14 |                        |
| 4713 | Infrastructure   | Task        | New    | Normal   | replace SSL cert fo cn-orc-1.dataone.org                                                                    |               | 2014-09-24 18:14 |                        |
| 8793 | Infrastructure   | Task        | New    | Normal   | Replace ONEMercury installation                                                                             |               | 2019-05-01 14:04 |                        |
| 7425 | Python Libraries | Task        | New    | Normal   | Replace httplib low level use in RestClient with the requests library                                       | Dave Vieglais | 2016-03-25 02:03 | d1_common_python       |
| 6760 | Infrastructure   | Task        | New    | Normal   | rename mnDemo9 node                                                                                         |               | 2015-01-14 00:44 |                        |
| 6511 | Java Client      | Task        | New    | Normal   | remove the deprecated MultipartRequestHandler class from d1_common_java                                     | Rob Nahf      | 2015-02-11 20:04 | d1_common_java         |
| 8379 | Infrastructure   | Bug         | New    | Normal   | remove or improve AuthLdap.getGroups logging statement                                                      | Jing Tao      | 2018-02-27 16:51 | Metacat                |
| 8808 | Infrastructure   | Task        | New    | Normal   | Remove old versions of Tomcat                                                                               |               | 2019-05-21 12:49 |                        |
| 8807 | Infrastructure   | Task        | New    | Normal   | remove old versions of postgres                                                                             |               | 2019-05-21 12:47 |                        |
| 6056 | Infrastructure   | Story       | New    | Normal   | remove log aggregation processing from d1-processing Linux service                                          | Dave Vieglais | 2018-01-17 19:55 | d1_log_aggregation     |
| 5468 | Python Libraries | Story       | New    | Low      | Remove dead code from D1 Python stack                                                                       | Roger Dahl    | 2018-01-17 19:57 |                        |
| 8105 | Infrastructure   | Task        | New    | Normal   | Remove dataone-mercury from production CNs                                                                  | Jing Tao      | 2018-03-02 22:17 | d1_mercury             |
| 8576 | Search UI        | Task        | New    | Normal   | Remove Code Changes Specific to Appearance of Data Citation for PANGAEA formatID                            | Monica Ihli   | 2018-04-30 13:29 |                        |
| 8182 | Infrastructure   | Bug         | New    | Normal   | relationships defined using SIDs in resource maps don't stay current                                        | Rob Nahf      | 2017-09-12 00:13 | d1_indexer             |
| 4664 | Java Client      | Task        | New    | Normal   | Related to above: Test classes bring in org.apache.log4j.Logger but it is not declared as a test dependency |               | 2015-02-11 20:08 |                        |

| #    | Project               | Tracker      | Status | Priority | Subject                                                                                                                     | Assignee       | Updated          | Category                      |
|------|-----------------------|--------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------------|
| 8222 | Infrastructure        | Task         | New    | Normal   | reindex all isotc211 content in production to reflect final decisions from origin field mapping                             | Dave Vieglaiss | 2018-03-22 16:56 | d1_indexer                    |
| 6514 | Infrastructure        | Task         | New    | Normal   | Reharvest all Records to build initial cache                                                                                | Robert Waltz   | 2015-01-13 15:56 | d1_log_aggregation            |
| 7532 | DUG                   | Task         | New    | Normal   | Registration Form for 2016.                                                                                                 |                | 2015-12-08 21:30 |                               |
| 8354 | Testing MN Management | Task         | New    | Normal   | Register in Production                                                                                                      |                | 2018-02-08 15:28 |                               |
| 4670 | Java Client           | Task         | New    | Normal   | - Regarding the style: The types are fully mutable with no field validations or constraints.                                |                | 2015-02-11 20:08 |                               |
| 4669 | Java Client           | Task         | New    | Normal   | - Regarding the style: A good addition to the types would be some builders, static factories and constructors as applicable |                | 2015-02-11 20:08 |                               |
| 4717 | Infrastructure        | Task         | New    | Normal   | refresh client certificate for mn-unm-2.dataone.org                                                                         |                | 2014-09-24 18:14 |                               |
| 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 |                               |
| 1559 | Java Client           | Task         | New    | Low      | Refactor d1_libclient_java echo tests                                                                                       | Rob Nahf       | 2015-02-11 19:49 | d1_libclient_java             |
| 1234 | Infrastructure        | Task         | New    | Normal   | Record performance metrics for member nodes                                                                                 |                | 2011-01-15 02:52 |                               |
| 8823 | Infrastructure        | Story        | New    | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                                                   | Dave Vieglaiss | 2019-06-19 02:43 |                               |
| 2548 | Infrastructure        | Story        | New    | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users                                              |                | 2018-01-17 20:36 | Authentication, Authorization |
| 7900 | Member Nodes          | Task         | New    | Normal   | R2R: modify searchUI to accommodate cruise path display for single data package                                             | Lauren Walker  | 2016-10-04 23:43 |                               |
| 7899 | Member Nodes          | Task         | New    | Normal   | R2R: modify searchUI to accommodate composite data density with cruise paths                                                | Lauren Walker  | 2016-10-05 03:51 |                               |
| 3176 | Member Nodes          | MNDeployment | New    | Low      | QUT member node                                                                                                             | Matthew Jones  | 2018-04-17 17:30 |                               |
| 7531 | DUG                   | Task         | New    | Normal   | Quote request for EAB meeting                                                                                               |                | 2015-12-08 20:13 |                               |
| 6755 | Python CLI            | Bug          | New    | Normal   | python CLI install instructions fail                                                                                        | Roger Dahl     | 2018-01-09 02:44 |                               |
| 7291 | Python GMN            | Bug          | New    | Normal   | pypi distribution does not have all files                                                                                   | Roger Dahl     | 2016-04-14 14:57 |                               |
| 7744 | Infrastructure        | Task         | New    | Normal   | put together initial design                                                                                                 |                | 2016-06-22 17:19 |                               |
| 8854 | Infrastructure        | Story        | New    | Normal   | Put the system metadata part ahead of the object part when d1_libclient_java constructs the multipart                       | Jing Tao       | 2019-11-22 18:25 | d1_libclient_java             |
| 8855 | Infrastructure        | Story        | New    | Normal   | Put the system metadata part ahead of the object part when d1_client_r constructs the multipart                             | Matthew Jones  | 2019-11-22 18:29 | d1_client_r                   |
| 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                     |
| 7224 | Infrastructure        | Story        | New    | Normal   | push synchronization request status indicator: synchronizeStatus method option                                              |                | 2018-01-17 19:38 | Architecture Design           |
| 3683 | Member Nodes          | MNDeployment | New    | Low      | Purdue University Libraries                                                                                                 |                | 2018-04-17 17:30 |                               |

| #    | Project        | Tracker      | Status | Priority | Subject                                                                   | Assignee      | Updated          | Category |
|------|----------------|--------------|--------|----------|---------------------------------------------------------------------------|---------------|------------------|----------|
| 8562 | Member Nodes   | MNDeployment | New    | Normal   | PSD Climate and Weather Data                                              |               | 2018-04-18 16:39 |          |
| 8583 | DataONE API    | Feature      | New    | Normal   | Provide some mechanism for diagnosing correctness of MN certificates      | Dave Vieglais | 2018-05-02 03:18 |          |
| 6484 | MN Dashboard   | Feature      | New    | Normal   | Provide paging/scrolling on MN table                                      | Skye Roseboom | 2015-04-29 22:47 |          |
| 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 |          |

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