

## Issues

| #    | Project      | Tracker      | Status      | Priority  | Subject  | Assignee         | Updated          | Category |
|------|--------------|--------------|-------------|-----------|--|------------------|------------------|----------|
| 3118 | Member Nodes | MNDeployment | Operational | Urgent    | Dryad Member Node  | Laura Moyers     | 2019-03-05 18:37 |          |
| 3172 | Member Nodes | MNDeployment | Operational | Normal    | Replication instance at UNM                                      | Dave Vieglais    | 2018-08-31 15:22 |          |
| 3176 | Member Nodes | MNDeployment | New         | Low       | QUT member node  | Matthew Jones    | 2018-04-17 17:30 |          |
| 3180 | Member Nodes | MNDeployment | Deferred    | Normal    | PFRP - Pelagic Fisheries Research Program                        | Matthew Jones    | 2014-05-29 19:25 |          |
| 3191 | Member Nodes | MNDeployment | Deferred    | Normal    | UC Vertnet Member Node   | Dave Vieglais    | 2017-01-31 14:54 |          |
| 3201 | Member Nodes | MNDeployment | Operational | Normal    | Taiwan Forestry Research Institute                               | Amy Forrester    | 2019-10-08 15:26 |          |
| 3203 | Member Nodes | MNDeployment | Deferred    | Normal    | PELD member node   | Matthew Jones    | 2016-06-17 19:32 |          |
| 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 |          |
| 3211 | Member Nodes | MNDeployment | New         | Normal    | Taiwan Ecological Research Network member node                   | Ben Leinfelder   | 2014-02-20 21:58 |          |
| 3213 | Member Nodes | MNDeployment | Operational | Normal    | University of Illinois, Chicago member node                      | Jing Tao         | 2020-01-23 22:42 |          |
| 3215 | Member Nodes | MNDeployment | Deferred    | Normal    | GEO BON member node  | Matthew Jones    | 2016-06-20 14:26 |          |
| 3217 | Member Nodes | MNDeployment | Deferred    | Normal    | EMBRAPA member node  | Matthew Jones    | 2016-06-17 19:31 |          |
| 3219 | Member Nodes | MNDeployment | New         | Normal    | iEcolab member node  | Ben Leinfelder   | 2015-11-19 18:01 |          |
| 3221 | Member Nodes | MNDeployment | Operational | High      | EDAC member node   | Amy Forrester    | 2018-08-31 15:15 |          |
| 3228 | Member Nodes | MNDeployment | Operational | Normal    | NCEI - National Centers for Environmental Information            | Dave Vieglais    | 2019-07-08 16:28 |          |
| 3230 | Member Nodes | MNDeployment | Planning    | Normal    | ARM - Atmospheric Radiation Measurement member node              | John Evans       | 2019-11-25 20:10 |          |
| 3232 | Member Nodes | MNDeployment | Operational | High      | LTER-EUROPE  | Laura Moyers     | 2018-11-21 16:58 |          |
| 3234 | Member Nodes | MNDeployment | Testing     | Normal    | CyVerse (iPlant) member node                                     | Rob Nahf         | 2019-03-05 18:36 |          |
| 3235 | Member Nodes | MNDeployment | New         | Low       | LITS - Long-Term Individual base Time Series project member node |                  | 2018-04-17 17:23 |          |
| 3236 | Member Nodes | MNDeployment | New         | Normal    | UCNRS member node  | Mark Schildhauer | 2013-01-30 20:59 |          |
| 3238 | Member Nodes | MNDeployment | Operational | High      | Idaho Northwest Knowledge Network member node                    | Amy Forrester    | 2019-10-08 15:14 |          |
| 3239 | Member Nodes | MNDeployment | New         | Normal    | "Nitrous Oxide emissions Network" member node                    |                  | 2018-04-17 17:13 |          |
| 3240 | Member Nodes | MNDeployment | New         | Low       | AZGS - Arizona Geological Survey member node                     |                  | 2018-04-17 17:18 |          |
| 3241 | Member Nodes | MNDeployment | New         | Low       | ALA - Atlas of Living Australia member node                      |                  | 2018-04-17 17:14 |          |
| 3258 | Member Nodes | MNDeployment | New         | Low       | CitSci.org MN  | Bruce Wilson     | 2018-04-17 17:19 |          |
| 3480 | Member Nodes | MNDeployment | New         | Low       | Globe.gov  | Laura Moyers     | 2018-04-17 17:23 |          |
| 3519 | Member Nodes | MNDeployment | New         | Low       | Prairie Research Institute                                       | Dave Vieglais    | 2015-11-19 17:00 |          |
| 3520 | Member Nodes | MNDeployment | New         | Low       | ARCTOS Collaborative Collection Management Solution              | Dave Vieglais    | 2018-04-17 17:18 |          |
| 3521 | Member Nodes | MNDeployment | Operational | Immediate | SEAD Member Node   | Laura Moyers     | 2019-06-05 17:46 |          |

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| 3529 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at ORC                                   | Dave Vieglais    | 2018-08-31 15:21 |          |
| 3530 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at UCSB                                  | Dave Vieglais    | 2018-08-31 15:22 |          |
| 3531 | Member Nodes | MNDeployment | Operational | Normal   | Gulf of Alaska Data Portal                                    | Laura Moyers     | 2018-05-15 17:40 |          |
| 3553 | Member Nodes | MNDeployment | Operational | High     | PISCO   | Laura Moyers     | 2018-01-10 01:13 |          |
| 3554 | Member Nodes | MNDeployment | Operational | High     | KNB   | Jing Tao         | 2018-08-31 15:16 |          |
| 3555 | Member Nodes | MNDeployment | Operational | High     | SANParks  | Laura Moyers     | 2018-05-09 21:19 |          |
| 3556 | Member Nodes | MNDeployment | Operational | High     | ESA Data Registry   | Amy Forrester    | 2019-10-08 15:28 |          |
| 3557 | Member Nodes | MNDeployment | Operational | Normal   | LTER Network  | Roger Dahl       | 2018-09-25 17:17 |          |
| 3558 | Member Nodes | MNDeployment | Operational | High     | CDL Merritt   | Laura Moyers     | 2018-08-23 17:05 |          |
| 3559 | Member Nodes | MNDeployment | Operational | Normal   | ONEShare  | Amy Forrester    | 2019-09-03 16:40 |          |
| 3560 | Member Nodes | MNDeployment | Operational | Normal   | Cornell Lab of Ornithology eBird                              | Laura Moyers     | 2018-08-06 21:12 |          |
| 3628 | Member Nodes | MNDeployment | New         | Low      | Harvard Filtered Push MN                                      | William Michener | 2015-11-20 03:14 |          |
| 3633 | Member Nodes | MNDeployment | New         | Low      | Bay Delta Member Node   | Laura Moyers     | 2015-11-19 19:44 |          |
| 3664 | Member Nodes | MNDeployment | New         | High     | Landcare Research New Zealand                                 | Laura Moyers     | 2015-11-19 19:39 |          |
| 3680 | Member Nodes | MNDeployment | New         | Low      | Federal University of Pernambuco, Brazil                      | Laura Moyers     | 2015-11-19 19:34 |          |
| 3681 | Member Nodes | MNDeployment | New         | Normal   | EPA's Atlantic Ecology Division                               | Laura Moyers     | 2016-06-23 00:10 |          |
| 3683 | Member Nodes | MNDeployment | New         | Low      | Purdue University Libraries                                   |                  | 2018-04-17 17:30 |          |
| 3684 | Member Nodes | MNDeployment | New         | Low      | Branner Earth Sciences Library - Stanford University          | Laura Moyers     | 2015-11-19 19:04 |          |
| 3685 | Member Nodes | MNDeployment | New         | Low      | National SocioEnvironmental Synthesis Center                  | Laura Moyers     | 2015-11-19 17:58 |          |
| 3686 | Member Nodes | MNDeployment | Deferred    | Normal   | Movebank for Animal Tracking Data                             | Laura Moyers     | 2013-12-05 19:31 |          |
| 3687 | Member Nodes | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems              | Amy Forrester    | 2019-10-08 15:29 |          |
| 3689 | Member Nodes | MNDeployment | Deferred    | Normal   | University of South Carolina, Computer Science Department     |                  | 2018-08-31 15:26 |          |
| 3690 | Member Nodes | MNDeployment | New         | Low      | Digital Library of Vertebrate Morphology, University of Texas | Laura Moyers     | 2015-11-19 17:53 |          |
| 3691 | Member Nodes | MNDeployment | New         | Low      | National Institute for Amazon Research                        |                  | 2018-04-17 17:25 |          |
| 3708 | Member Nodes | MNDeployment | Operational | Normal   | Minnesota Population Center                                   | Laura Moyers     | 2018-08-06 19:43 |          |
| 3748 | Member Nodes | MNDeployment | Operational | Normal   | PPBIO Member Node   | Jing Tao         | 2018-08-31 15:20 |          |
| 3844 | Member Nodes | MNDeployment | New         | Normal   | Oregon Explorer program at OSU                                | Laura Moyers     | 2015-11-19 17:22 |          |
| 3964 | Member Nodes | MNDeployment | Deferred    | Normal   | EU BON Member Node  | Bruce Wilson     | 2016-10-24 20:49 |          |
| 4083 | Member Nodes | MNDeployment | Deferred    | Normal   | Forest Research Institute Malaysia (FRIM)                     | Laura Moyers     | 2016-06-17 19:31 |          |
| 4115 | Member Nodes | MNDeployment | Deferred    | Normal   | UTK Institutional Repository                                  |                  | 2018-04-17 17:32 |          |
| 4224 | Member Nodes | MNDeployment | New         | Low      | Japan Long Term Ecological Research Network                   | Laura Moyers     | 2015-11-19 00:52 |          |

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| 4227 | Member Nodes | MNDeployment | New         | Low      | TRY Plant Trait Database  | Laura Moyers  | 2015-11-19 15:40 |          |
| 4296 | Member Nodes | MNDeployment | New         | Normal   | Sierra Nevada Global Change Observatory Member Node                         | Laura Moyers  | 2017-01-30 17:01 |          |
| 4700 | Member Nodes | MNDeployment | Operational | Normal   | IARC (International Arctic Research Center) Data Archive                    | Amy Forrester | 2019-10-08 15:20 |          |
| 4730 | Member Nodes | MNDeployment | Testing     | Normal   | Global Biodiversity Information Facility                                    | Dave Vieglais | 2018-09-26 19:45 |          |
| 5451 | Member Nodes | MNDeployment | Operational | Normal   | Cary Institute (via Figshare)   | Monica Ihli   | 2019-04-17 21:39 |          |
| 5453 | Member Nodes | MNDeployment | Deferred    | Normal   | Dataverse   | Laura Moyers  | 2018-07-24 16:41 |          |
| 5457 | Member Nodes | MNDeployment | New         | Normal   | NSIDC- National Snow and Ice Data Center                                    | Bruce Wilson  | 2018-04-10 19:12 |          |
| 6359 | Member Nodes | MNDeployment | New         | Low      | SiBBR   | Laura Moyers  | 2015-11-19 17:20 |          |
| 6379 | Member Nodes | MNDeployment | New         | Normal   | ICMBio  | Bruce Wilson  | 2015-11-19 17:21 |          |
| 6401 | Member Nodes | MNDeployment | Operational | Normal   | NM EPSCoR   | Roger Dahl    | 2019-03-05 18:13 |          |
| 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 |          |
| 6548 | Member Nodes | MNDeployment | Operational | High     | R2R Repository  | Monica Ihli   | 2018-07-26 13:49 |          |
| 6562 | Member Nodes | MNDeployment | Operational | Normal   | BCO-DMO   | Laura Moyers  | 2021-12-04 00:47 |          |
| 6674 | Member Nodes | MNDeployment | Operational | Normal   | OTS - Neotropical Data Center   | Jing Tao      | 2019-06-10 13:03 |          |
| 6708 | Member Nodes | MNDeployment | Operational | Normal   | NEON - National Ecological Observatory Network                              | Bruce Wilson  | 2019-06-06 19:52 |          |
| 6853 | Member Nodes | MNDeployment | New         | High     | OBIS (Ocean Biogeographic Information System)                               | Laura Moyers  | 2015-11-19 17:46 |          |
| 6957 | Member Nodes | MNDeployment | Operational | Normal   | NRDC - Nevada Research Data Center  | Amy Forrester | 2019-10-08 18:39 |          |
| 7048 | Member Nodes | MNDeployment | Deferred    | Low      | USGS Regional Climate Centers   | Laura Moyers  | 2016-06-17 19:32 |          |
| 7050 | Member Nodes | MNDeployment | New         | Normal   | USDA ARS  |               | 2015-04-17 17:27 |          |
| 7051 | Member Nodes | MNDeployment | Operational | Normal   | GRIIDC - Gulf of Mexico Research Initiative                                 | Laura Moyers  | 2018-09-25 17:14 |          |
| 7052 | Member Nodes | MNDeployment | New         | Low      | BaMBa - Brazilian Marine Biodiversity Database                              | Laura Moyers  | 2015-11-19 17:03 |          |
| 7082 | Member Nodes | MNDeployment | Operational | Normal   | USGS Science Data Catalog (SDC)   | Laura Moyers  | 2018-10-09 16:27 |          |
| 7145 | Member Nodes | MNDeployment | New         | Low      | PlutoF  |               | 2018-04-17 17:26 |          |
| 7163 | Member Nodes | MNDeployment | New         | Low      | UN Environmental Programme World Conservation Monitoring Centre (UNEP WCMC) | Bruce Wilson  | 2016-04-04 17:17 |          |
| 7296 | Member Nodes | MNDeployment | Planning    | Normal   | GCOOS   | Monica Ihli   | 2018-04-16 15:53 |          |
| 7512 | Member Nodes | MNDeployment | New         | Normal   | ECOSCOPE - Network of Research Observatories on Biodiversity                | Laura Moyers  | 2016-07-22 12:40 |          |
| 7549 | Member Nodes | MNDeployment | New         | Low      | COS - the Center for Open Science   | Laura Moyers  | 2018-04-17 17:20 |          |
| 7551 | Member Nodes | MNDeployment | New         | Normal   | FAO - Food and Agriculture Organization of the UN                           | Laura Moyers  | 2015-12-15 15:08 |          |
| 7552 | Member Nodes | MNDeployment | New         | Normal   | iDigBio - Integrated Digitized Biocollections                               | Laura Moyers  | 2016-01-05 23:45 |          |
| 7553 | Member Nodes | MNDeployment | New         | Normal   | OOI - Ocean Observatories Initiative  | Laura Moyers  | 2018-01-25 17:51 |          |
| 7629 | Member Nodes | MNDeployment | Operational | Normal   | Arctic Data Center - Data and Software about the Arctic                     | Matthew Jones | 2018-01-10 17:53 |          |

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| 7757 | Member Nodes          | MNDeployment | Deferred    | Normal   | GINA - Geographic Information Network of Alaska   | Roger Dahl      | 2018-08-31 15:22 |          |
| 7758 | Member Nodes          | MNDeployment | New         | Low      | Polar Rock Repository (PRR) at Ohio State   |                 | 2018-04-17 17:28 |          |
| 7842 | Member Nodes          | MNDeployment | Operational | Normal   | Research Workspace  | Roger Dahl      | 2018-08-14 17:05 |          |
| 7851 | Member Nodes          | MNDeployment | New         | Low      | CESAB - Center for Synthesis and Analysis for Biodiversity                              | Laura Moyers    | 2018-04-17 17:19 |          |
| 7865 | Member Nodes          | MNDeployment | Planning    | Normal   | Hydroshare (CUAHSI)   | John Evans      | 2019-09-17 14:33 |          |
| 7895 | Member Nodes          | MNDeployment | Operational | Normal   | Pangaea   | Monica Ihli     | 2018-12-04 14:58 |          |
| 7924 | Member Nodes          | MNDeployment | New         | Normal   | LTER-Spain network  | Laura Moyers    | 2016-11-21 14:49 |          |
| 7956 | Member Nodes          | MNDeployment | Operational | Normal   | Environmental Data Initiative (EDI)   | Laura Moyers    | 2018-11-13 19:14 |          |
| 7962 | Member Nodes          | MNDeployment | Deferred    | Low      | Alaska EPSCoR   | Rebecca Koskela | 2018-04-13 18:28 |          |
| 7969 | Member Nodes          | MNDeployment | Operational | Normal   | FEMC (Forest Ecosystem Monitoring Cooperative) - was VMC Vermont Monitoring Cooperative | Monica Ihli     | 2019-08-27 17:22 |          |
| 7973 | Member Nodes          | MNDeployment | New         | Low      | Alaska Energy Data Gateway  | Amy Forrester   | 2018-04-17 17:21 |          |
| 8009 | Member Nodes          | MNDeployment | New         | Low      | Geometabolome   | Laura Moyers    | 2018-04-17 17:22 |          |
| 8030 | Member Nodes          | MNDeployment | New         | Normal   | UCAR Research Data Archive  | Laura Moyers    | 2018-04-16 17:39 |          |
| 8035 | Member Nodes          | MNDeployment | Operational | Normal   | IEDA_EarthChem Library (Interdisciplinary Earth Data Alliance)                          | Dave Vieglais   | 2019-05-06 14:25 |          |
| 8186 | Member Nodes          | MNDeployment | Operational | Normal   | ESS-DIVE, including CDIAC   | Matthew Jones   | 2018-12-04 14:57 |          |
| 8188 | Member Nodes          | MNDeployment | New         | Normal   | Ag Data Commons   | Rebecca Koskela | 2017-09-22 23:06 |          |
| 8254 | Member Nodes          | MNDeployment | Planning    | Normal   | ABDS - Arctic Biodiversity Data Service (CAFF)  | Amy Forrester   | 2019-09-17 14:31 |          |
| 8259 | Member Nodes          | MNDeployment | New         | Normal   | Neotoma Paleocology Database  | Amy Forrester   | 2018-04-09 21:14 |          |
| 8294 | Testing MN Management | MNDeployment | New         | Normal   | Test Node 2   |                 | 2018-02-08 15:28 |          |
| 8461 | Testing MN Management | MNDeployment | New         | Normal   | MEOW - Monitoring Ecosystems & Oceans in Wales  |                 | 2018-03-22 20:45 |          |
| 8462 | Testing MN Management | MNDeployment | New         | Normal   | Test MN ticket  |                 | 2018-03-01 20:57 |          |
| 8539 | Member Nodes          | MNDeployment | New         | Normal   | NASA Distributed Active Archive Center at National Snow & Ice Data Center (NASA DAAC)   |                 | 2018-04-10 19:19 |          |
| 8544 | Member Nodes          | MNDeployment | Operational | Normal   | Chinese Ecosystem Research Network  | Amy Forrester   | 2018-12-04 14:56 |          |
| 8548 | Member Nodes          | MNDeployment | New         | Normal   | Earthdata powered by EOSDIS   |                 | 2018-04-17 19:51 |          |
| 8549 | Member Nodes          | MNDeployment | New         | Normal   | Earth Resources Observation and Science Center  |                 | 2018-04-17 19:55 |          |
| 8550 | Member Nodes          | MNDeployment | New         | Normal   | ESGF - Earth System Grid Federation   |                 | 2018-04-17 19:58 |          |
| 8551 | Member Nodes          | MNDeployment | New         | Normal   | Forest Service Research Data Archive  |                 | 2018-04-17 20:00 |          |
| 8552 | Member Nodes          | MNDeployment | New         | Normal   | GLCF - Global Land Cover Facility   |                 | 2018-04-17 20:01 |          |

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| 8553 | Member Nodes | MNDeployment | New         | Normal   | MVCO - Martha's Vineyard Coastal Observatory  |               | 2018-04-17 20:03 |                |
| 8554 | Member Nodes | MNDeployment | New         | Normal   | SEDAC - NASA Socioeconomic Data and Applications Center                                 |               | 2018-04-17 20:05 |                |
| 8555 | Member Nodes | MNDeployment | New         | Normal   | NGEE Arctic   |               | 2018-04-18 16:27 |                |
| 8556 | Member Nodes | MNDeployment | New         | Normal   | OAFIux (WHOI)   |               | 2018-04-18 16:30 |                |
| 8557 | Member Nodes | MNDeployment | New         | Normal   | Physical Oceanography Distributed Active Archive Center                                 |               | 2018-04-18 16:32 |                |
| 8558 | Member Nodes | MNDeployment | New         | Normal   | PDC - Polar Data Catalogue  |               | 2018-04-18 16:33 |                |
| 8559 | Member Nodes | MNDeployment | New         | Normal   | PMM - Precipitation Measurement Missions  |               | 2018-04-18 16:35 |                |
| 8560 | Member Nodes | MNDeployment | New         | Normal   | PPS - Precipitation Processing System   |               | 2018-04-18 16:36 |                |
| 8561 | Member Nodes | MNDeployment | New         | Normal   | PRISM Climate Data  |               | 2018-04-18 16:37 |                |
| 8562 | Member Nodes | MNDeployment | New         | Normal   | PSD Climate and Weather Data  |               | 2018-04-18 16:39 |                |
| 8563 | Member Nodes | MNDeployment | New         | Normal   | Scripps Institute of Oceanography Explorer  |               | 2018-04-18 16:40 |                |
| 8704 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_Marine-Geo Digital Library (Interdisciplinary Earth Data Alliance)                 | Dave Vieglais | 2019-05-14 13:47 |                |
| 8721 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_US Antarctic Program Data Center (Interdisciplinary Earth Data Alliance)           | Dave Vieglais | 2019-05-14 13:46 |                |
| 8725 | Member Nodes | MNDeployment | In Review   | Normal   | NCAR (National Center for Atmospheric Research)   |               | 2018-10-08 13:33 |                |
| 8772 | Member Nodes | MNDeployment | Operational | Normal   | metaGRIL  | Jing Tao      | 2019-10-08 17:16 |                |
| 8828 | Member Nodes | MNDeployment | In Review   | Normal   | SESAR   |               | 2019-08-01 16:09 |                |
| 8839 | Member Nodes | MNDeployment | Planning    | Normal   | CMU KiltHub via Figshare  | Roger Dahl    | 2019-09-24 17:48 |                |
| 8847 | Member Nodes | MNDeployment | In Review   | Normal   | Freshwater Research and Environmental Database (IGBFRED)                                | Dave Vieglais | 2019-10-17 19:23 |                |
| 317  | Requirements | Requirement  | In Progress | Low      | (Requirement) Identifiers for all objects   | Dave Vieglais | 2010-03-15 22:12 |                |
| 318  | Requirements | Requirement  | New         | High     | (Requirement) Sponsor required Y1 functionality   | Dave Vieglais | 2010-09-06 03:24 | d1_common_java |
| 337  | Requirements | Requirement  | New         | Low      | (Requirement) Deploy three coordinating nodes   |               | 2010-03-17 15:14 |                |
| 339  | Requirements | Requirement  | New         | Low      | (Requirement) Web presence to provide publicly accessible information about the project |               | 2010-03-16 17:36 |                |
| 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 |                |
| 383  | Requirements | Requirement  | New         | Low      | (Requirement) System supports data storage  |               | 2010-03-16 21:35 |                |
| 384  | Requirements | Requirement  | New         | High     | (Requirement) Enable efficient mechanisms for users to discover content                 | Dave Vieglais | 2010-09-06 03:58 | d1_common_java |
| 385  | Requirements | Requirement  | New         | Low      | (Requirement) Support arbitrary unique identifiers                                      |               | 2010-03-16 22:09 |                |
| 386  | Requirements | Requirement  | New         | Low      | (Requirement) Deploy at least three Member Nodes  |               | 2010-03-17 13:39 |                |

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| 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 |                |
| 389 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on the ORNL DAAC  |               | 2010-03-25 14:46 |                |
| 390 | Requirements | Requirement | New    | High     | (Requirement) Consistent mechanism for identifying users  | Dave Vieglais | 2010-09-06 20:50 | Requirement    |
| 391 | Requirements | Requirement | New    | High     | (Requirement) Enable different classes of users commensurate with their roles.                        | Dave Vieglais | 2010-09-06 20:51 | Requirement    |
| 392 | Requirements | Requirement | New    | High     | (Requirement) Identity and access control should be interoperable across datanets                     | Dave Vieglais | 2010-09-06 20:31 | Requirement    |
| 393 | Requirements | Requirement | New    | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.                  | Dave Vieglais | 2010-09-06 20:27 | Requirement    |
| 408 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Coordinating Node software stack  |               | 2010-03-25 15:44 |                |
| 409 | Requirements | Requirement | New    | Low      | (Requirement) Develop a reference implementation of the Member Node stack                             |               | 2010-03-25 13:57 |                |
| 410 | Requirements | Requirement | New    | Low      | (Requirement) The infrastructure must support long term preservation of Data                          |               | 2010-03-25 15:41 |                |
| 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 |
| 412 | Requirements | Requirement | New    | Low      | (Requirement) Identifiers always refer to the same object   |               | 2010-03-25 15:41 |                |
| 431 | Requirements | Requirement | New    | Low      | (Requirement) Software developed for infrastructure should be implemented according to specifications |               | 2010-03-25 14:44 |                |
| 433 | Requirements | Requirement | New    | Low      | (Requirement) Data and metadata is replicated to at least one other member node                       |               | 2010-03-25 03:11 |                |
| 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 |                |
| 468 | Requirements | Requirement | New    | Low      | (Requirement) Design the cyberinfrastructure for the project.   |               | 2010-03-25 16:51 |                |
| 580 | Requirements | Requirement | New    | Low      | (Requirement) All software developed on the project should be open source                             | Dave Vieglais | 2010-04-15 22:57 |                |
| 581 | Requirements | Requirement | New    | Low      | (Requirement) System supports multiple types of science metadata                                      |               | 2010-04-20 20:45 |                |
| 592 | Requirements | Requirement | New    | High     | DataONE needs to synchronize metadata between MNs and CNs   | Robert Waltz  | 2010-09-06 02:28 | d1_cn_service  |
| 632 | Requirements | Requirement | New    | Low      | (Requirement) Monitor the DataONE infrastructure  |               | 2010-05-28 20:10 |                |

| #    | Project        | Tracker     | Status | Priority | Subject  | Assignee       | Updated          | Category                |
|------|----------------|-------------|--------|----------|--|----------------|------------------|-------------------------|
| 761  | Requirements   | Requirement | New    | High     | (Requirement) Users can specify authorization rules for data objects, science metadata objects, and process artifacts separately                     | Dave Vieglaiss | 2010-09-06 03:06 | Requirement             |
| 762  | Requirements   | Requirement | New    | High     | (Requirement) User identities can be derived from existing institutional directory services  | Dave Vieglaiss | 2010-09-06 03:01 | Requirement             |
| 763  | Requirements   | Requirement | New    | High     | (Requirement) Authentication and authorization services are geographically replicated  | Dave Vieglaiss | 2010-09-06 20:52 | Requirement             |
| 764  | Requirements   | Requirement | New    | High     | (Requirement) Authentication and access control should be consistently available   | Dave Vieglaiss | 2010-09-06 20:32 | Requirement             |
| 765  | Requirements   | Requirement | New    | High     | (Requirement) Tools can access an API for authn and authz  | Dave Vieglaiss | 2010-09-06 20:30 | Requirement             |
| 766  | Requirements   | Requirement | New    | High     | (Requirement) Users should be able to easily assign proxy privileges to other users and to systems acting on their behalf for limited time durations | Dave Vieglaiss | 2010-08-11 00:11 | Requirement             |
| 767  | Requirements   | Requirement | New    | High     | (Requirement) Users need to be able to express embargo rules for data  | Dave Vieglaiss | 2010-08-11 00:16 | Requirement             |
| 768  | Requirements   | Requirement | New    | High     | (Requirement) Need default authz policies that resolve problems associated with inaccessible principals  | Dave Vieglaiss | 2010-08-11 00:34 | Requirement             |
| 769  | Requirements   | Requirement | New    | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators  | Dave Vieglaiss | 2010-09-06 03:02 | Requirement             |
| 770  | Requirements   | Requirement | New    | High     | (Requirement) Authorization system should be able to express the pseudo-principal concepts like 'public'   | Dave Vieglaiss | 2010-08-11 00:41 | Requirement             |
| 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 Vieglaiss | 2010-09-06 03:12 | Requirement             |
| 772  | Requirements   | Requirement | New    | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications   | Dave Vieglaiss | 2010-08-11 07:54 | Requirement             |
| 777  | Requirements   | Requirement | New    | High     | (Requirement) Authorization rules should support common permission levels  | Dave Vieglaiss | 2010-09-06 20:49 | Requirement             |
| 795  | Requirements   | Requirement | New    | High     | (Requirement) System must support revocation of user permissions   | Dave Vieglaiss | 2010-08-29 20:45 | Requirement             |
| 820  | Requirements   | Requirement | New    | High     | (Requirement) Common API for authentication and authorization operations   | Dave Vieglaiss | 2010-09-06 21:23 | Requirement             |
| 821  | Requirements   | Requirement | New    | High     | (Requirement) Sponsor required functionality   | Dave Vieglaiss | 2010-09-06 03:28 | d1_common_java          |
| 822  | Requirements   | Requirement | New    | High     | (Requirement) Object access and manipulation should be responsive  | Dave Vieglaiss | 2010-09-06 20:27 | d1_common_java          |
| 3099 | Infrastructure | Decision    | New    | Normal   | ONE-Mercury display of data set citation   | Dave Vieglaiss | 2012-07-23 21:24 | d1_mercury              |
| 6067 | Infrastructure | Decision    | New    | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?   | Robert Waltz   | 2014-08-22 03:58 | Environment.Development |
| 6392 | Infrastructure | Decision    | New    | Normal   | CN getChecksum REST API design review  | Dave Vieglaiss | 2014-09-18 17:09 | Requirement             |

| #    | Project        | Tracker  | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|----------------|----------|-------------|----------|--|----------------|------------------|------------------------|
| 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 |                        |
| 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 |                        |
| 8601 | Infrastructure | Decision | New         | Normal   | Decide on a URI space for DataONE resources  |                | 2018-07-18 21:42 |                        |
| 8616 | Infrastructure | Decision | New         | Normal   | Consider expanding isotc211's indexing component's keyword XPath to cover topicCategories                                |                | 2018-06-15 00:13 |                        |
| 8693 | Infrastructure | Decision | In Progress | Low      | Support Google Dataset Search on search.dataone.org via partial server side rendering                                    |                | 2019-06-06 23:53 |                        |
| 8774 | Infrastructure | Decision | New         | Normal   | Add new CN format for MPEG-2 or update video/mpeg format to cover MPEG-2   |                | 2019-03-08 16:03 |                        |
| 8017 | Member Nodes   | Support  | New         | Normal   | NCEI - Implement GMN for replicating Arctic Data Center Data   | Roger Dahl     | 2018-05-16 14:32 |                        |
| 8019 | Member Nodes   | Support  | New         | Normal   | Follow up on Preferred Replication Target Testing  | Monica Ihli    | 2017-02-14 19:52 |                        |
| 8108 | Infrastructure | Support  | New         | Normal   | Must determine the state of replication auditing for when replicas on non-functioning MNs are still reported as complete | Dave Vieglaiss | 2017-06-06 17:56 | d1_replication_auditor |
| 8187 | Member Nodes   | Support  | New         | Normal   | EZID DOI resolvable URLs failing for 14 PISCO objects  |                | 2017-09-19 22:12 |                        |
| 1873 | Infrastructure | Feature  | New         | Normal   | Postprocessing tool for log reporting  |                | 2014-10-02 17:06 | d1_log_aggregation     |
| 2540 | Infrastructure | Feature  | In Progress | Normal   | add generateIdentifier() method to MNStorage API   | Dave Vieglaiss | 2014-10-02 17:54 | Documentation          |
| 3762 | Infrastructure | Feature  | New         | Low      | DataONE software download statistics   | Roger Dahl     | 2014-10-01 21:32 | d1_dashboard           |
| 4038 | Infrastructure | Feature  | New         | Normal   | change default replication implementation  | Matthew Jones  | 2014-10-01 21:26 | d1_replication         |
| 4051 | Infrastructure | Feature  | New         | Normal   | MN Stack supporting Fedora Commons   |                | 2014-10-02 21:39 | mn.Fedora              |
| 5145 | Infrastructure | Feature  | New         | Normal   | Consider including cert subject(s) in NotAuthorized exceptions   | Chris Jones    | 2014-09-25 17:44 | d1_cn_service          |
| 5322 | MN Dashboard   | Feature  | New         | Normal   | Add support for right, left keys on dashboard detail pages   | Skye Roseboom  | 2015-04-29 22:47 |                        |
| 5515 | MN Dashboard   | Feature  | New         | Normal   | Add number of MNs to overview display  | Skye Roseboom  | 2015-04-29 22:48 |                        |
| 5516 | MN Dashboard   | Feature  | New         | Normal   | Date formatting  | Skye Roseboom  | 2015-04-29 22:48 |                        |
| 6335 | MN Dashboard   | Feature  | New         | Normal   | Add total number of MNs to the summary page of the dashboard   | Skye Roseboom  | 2015-04-29 22:48 |                        |
| 6336 | MN Dashboard   | Feature  | New         | Normal   | Display MN POCs on the detail MN pages of the dashboard  | Skye Roseboom  | 2015-04-29 22:49 |                        |
| 6369 | Java Client    | Feature  | In Progress | Normal   | ResourceMapFactory.parseResourceMap does not return aggregated resources   | Rob Nahf       | 2015-02-11 20:56 | d1_libclient_java      |
| 6484 | MN Dashboard   | Feature  | New         | Normal   | Provide paging/scrolling on MN table   | Skye Roseboom  | 2015-04-29 22:47 |                        |



| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee        | Updated          | Category                |
|------|----------------|---------|-------------|----------|--|-----------------|------------------|-------------------------|
| 6497 | Python GMN     | Feature | In Progress | Normal   | V2 GMN Support   | Dave Vieglaiss  | 2016-03-25 01:27 |                         |
| 6499 | Infrastructure | Feature | New         | Normal   | define and implement addFormat() method  | Rob Nahf        | 2016-06-22 16:51 | Architecture Design     |
| 6854 | Infrastructure | Feature | In Progress | Normal   | add testAssumptionFailure to run listener  | Rob Nahf        | 2016-01-26 22:30 | d1_integration          |
| 6945 | DataONE API    | Feature | New         | Normal   | MNRead.get uses the pid for the download filename, which provides a less than optimal user experience when the pid is an opaque identifier such as DOIs, uuids, etc. |                 | 2015-03-23 23:37 |                         |
| 7032 | MN Dashboard   | Feature | New         | Normal   | Add anchor to the MN dashboard for "upcoming MNs"  | Skye Roseboom   | 2015-04-09 17:52 |                         |
| 7312 | Java Client    | Feature | New         | Normal   | Restart connection manager   |                 | 2015-08-24 17:24 | d1_libclient_java       |
| 7876 | Infrastructure | Feature | New         | Normal   | Create a new admin page for Metacat admins to register schemas   | Jing Tao        | 2016-12-21 09:11 | Metacat                 |
| 8053 | Infrastructure | Feature | New         | Normal   | add funding award number to index  | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index        |
| 8058 | Infrastructure | Feature | New         | Normal   | Allow "upcoming" nodes to appear in the node list  | Robert Waltz    | 2017-04-03 18:33 | d1_cn_service           |
| 8065 | Infrastructure | Feature | New         | Normal   | Add service to re-populate Hazelcast map for node attributes   |                 | 2018-01-09 19:10 |                         |
| 8107 | Infrastructure | Feature | New         | Normal   | Improved Node Synchronization Feedback - Leveraging MNRead.synchronizationFailed()   |                 | 2017-06-27 16:46 | Architecture Design     |
| 8184 | Infrastructure | Feature | New         | Normal   | a feature indicates to restart tomcat when hazelcast client died   | Jing Tao        | 2017-09-14 19:14 | Metacat                 |
| 8210 | Infrastructure | Feature | New         | Normal   | Generate daily reports by member node of discrepancies between CN vs MN content  |                 | 2017-10-25 18:50 |                         |
| 8376 | Infrastructure | Feature | New         | Normal   | Make the script file - insertOrUpdateObjectFormatList.sh (in metacat cn buildout) change the user name automatically   | Jing Tao        | 2018-02-21 22:48 | d1_cn_buildout          |
| 8583 | DataONE API    | Feature | New         | Normal   | Provide some mechanism for diagnosing correctness of MN certificates   | Dave Vieglaiss  | 2018-05-02 03:18 |                         |
| 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           |
| 8780 | Infrastructure | Feature | New         | Normal   | Develop support for DataCite 4.0 and 4.1 and 4.2   | Dave Vieglaiss  | 2019-03-30 20:38 | d1_indexer              |
| 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 |
| 2968 | Java Client    | Bug     | New         | Normal   | cn.getFormat() doesn't use cn associated with the CNode object   | Rob Nahf        | 2015-02-11 20:56 | d1_libclient_java       |
| 3047 | Infrastructure | Bug     | In Progress | Normal   | Metacat allows whitespace in Identifiers   | Ben Leinfelder  | 2018-11-13 21:44 |                         |
| 3122 | Infrastructure | Bug     | In Progress | Normal   | asterisk in search term  | Skye Roseboom   | 2014-10-02 18:02 | d1_mercury              |
| 3165 | Java Client    | Bug     | New         | Low      | Libclient caching does not respect accessPolicies  | Rob Nahf        | 2015-02-11 18:37 | d1_libclient_java       |
| 3246 | Infrastructure | Bug     | New         | Low      | Metacat returns 500 instead of 404 in some cases   | Ben Leinfelder  | 2014-10-02 18:03 | Metacat                 |
| 3492 | Infrastructure | Bug     | In Progress | Urgent   | Invalid PIDs in production (whitespace)  | Jing Tao        | 2017-04-27 15:31 | Support Operations      |
| 3572 | Infrastructure | Bug     | New         | Normal   | LDAP not updated for Node when synchronized set to true  | Robert Waltz    | 2014-10-01 22:56 | d1_cn_node_registry     |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee     | Updated          | Category                |
|------|----------------|---------|-------------|----------|---|--------------|------------------|-------------------------|
| 3658 | DataONE API    | Bug     | New         | Normal   | Deleting objects breaks obsoletes chain traversal   | Chris Jones  | 2015-01-19 22:29 |                         |
| 3675 | Infrastructure | Bug     | New         | High     | package relationships not available for archived objects  | Rob Nahf     | 2018-09-21 21:01 | d1_indexer              |
| 3700 | Infrastructure | Bug     | New         | Normal   | MNodeService.replicate will not request new object if existing on MN  | Chris Jones  | 2015-01-06 19:43 | Metacat                 |
| 3869 | Infrastructure | Bug     | New         | Normal   | wrong key set in portal/WEB-INF/client.xml  | Robert Waltz | 2016-08-10 20:58 | d1_cn_buildout          |
| 4067 | Infrastructure | Bug     | New         | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.                                     | Robert Waltz | 2016-08-10 21:01 | d1_cn_service           |
| 4129 | Infrastructure | Bug     | New         | Normal   | Only configure ufw ports for machines in xml configuration file   | Robert Waltz | 2016-08-10 20:47 | d1_cn_buildout          |
| 4142 | Infrastructure | Bug     | New         | Normal   | dataone-cn-processdaemon prerm needs to be reconfiguration friendly   | Robert Waltz | 2016-08-10 20:58 | d1_cn_buildout          |
| 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 |                         |
| 4211 | Infrastructure | Bug     | New         | Normal   | Potential race condition between archive and replication  | Chris Jones  | 2014-09-25 17:19 | d1_cn_service           |
| 4300 | Infrastructure | Bug     | New         | Low      | Create more appropriate "create" entry in the LogRecord for replicas  | Roger Dahl   | 2016-04-21 22:38 | d1_mn_GMN               |
| 4301 | Python GMN     | Bug     | New         | Low      | In the GMN integregation tester, add test to check that Last-Modified, Content-Length and Content-Type fields are set correctly | Roger Dahl   | 2016-04-21 22:38 |                         |
| 4303 | Infrastructure | Bug     | New         | Low      | Fix potential bug where an object could be created and accepted for replication simultaneously.                                 | Roger Dahl   | 2016-04-21 22:38 | d1_mn_GMN               |
| 4674 | Infrastructure | Bug     | New         | Urgent   | Ask Judith, Mike and Virginia Perez.2.1 to obsolete those pids which contain the white spaces.                                  | Jing Tao     | 2017-05-04 18:01 | d1_cn_service           |
| 5321 | Infrastructure | Bug     | New         | Normal   | Multiple Hazelcast Client connections to same storage instance  | Robert Waltz | 2016-08-10 20:58 | d1_process_daemon       |
| 5582 | Infrastructure | Bug     | New         | Normal   | xinetd not supported via debian install   | Robert Waltz | 2014-10-02 19:27 | d1_cn_buildout          |
| 5739 | CN REST        | Bug     | New         | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core   | Robert Waltz | 2015-01-19 23:05 |                         |
| 6011 | Infrastructure | Bug     | New         | Normal   | Synchronization fails from max_syncobjectqueue_size   | Robert Waltz | 2016-01-05 17:52 | d1_synchronization      |
| 6041 | Infrastructure | Bug     | New         | Normal   | obsoletedBy field serialized with newline after pid   | Robert Waltz | 2014-09-25 17:36 |                         |
| 6044 | Infrastructure | Bug     | New         | Normal   | Indexer needs port 5432 open to localhost during postinst   | Robert Waltz | 2015-01-06 18:17 | d1_cn_buildout          |
| 6060 | Infrastructure | Bug     | New         | Normal   | dataone-cn-index install should fail if subtasks fail   | Robert Waltz | 2016-08-10 20:58 | d1_cn_buildout          |
| 6062 | Infrastructure | Bug     | In Progress | Normal   | Jenkins not cascading builds in trunk   | Robert Waltz | 2016-08-10 20:56 | Environment.Development |
| 6070 | Infrastructure | Bug     | New         | Normal   | CNs missing GOA objects   | Robert Waltz | 2016-08-10 20:56 | d1_synchronization      |
| 6542 | Infrastructure | Bug     | New         | Normal   | Unable to add metadata document on mndemo8  |              | 2014-10-30 16:30 | Environment.Development |
| 6614 | Python GMN     | Bug     | In Progress | Normal   | GMN describe not returning DescribeResponse for IARC MN   | Roger Dahl   | 2016-04-21 22:37 |                         |
| 6615 | Infrastructure | Bug     | New         | Normal   | Apt-get doesn't work on mn-sandbox-unm-1  |              | 2014-11-18 18:45 |                         |

| #    | Project          | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category             |
|------|------------------|---------|-------------|----------|--|----------------|------------------|----------------------|
| 6755 | Python CLI       | Bug     | New         | Normal   | python CLI install instructions fail   | Roger Dahl     | 2018-01-09 02:44 |                      |
| 6765 | Java Client      | Bug     | New         | Normal   | jibx-maven-plugin incompatible with Java 8   | Rob Nahf       | 2015-01-19 23:17 |                      |
| 6766 | Python GMN       | Bug     | New         | Normal   | FYI ONLY: GMN local install with self-signed CA certificate breaks with new SSL support in Python 2.7.9                      |                | 2015-01-20 18:53 |                      |
| 6767 | Python GMN       | Bug     | New         | Normal   | GMN crashes if the replication target is not responding  | Roger Dahl     | 2016-04-14 14:19 |                      |
| 6789 | Java Client      | Bug     | In Progress | Normal   | Read API calls to the CN are hanging   | Rob Nahf       | 2016-05-07 07:59 |                      |
| 6791 | Infrastructure   | Bug     | New         | Normal   | Building d1_log_aggregation doesn't trigger downstream builds  |                | 2015-01-31 00:32 | Support Operations   |
| 6868 | Python GMN       | Bug     | New         | Normal   | GMN filters objects in list objects method from non-authenticated, non-rights-holder users                                   | Roger Dahl     | 2016-04-14 14:19 |                      |
| 6882 | Infrastructure   | Bug     | New         | Normal   | after CN upgrade togglePortsAndReplication.sh missing  | Robert Waltz   | 2016-01-05 17:54 | d1_cn_buildout       |
| 7097 | Infrastructure   | Bug     | New         | Normal   | v1 call to CN.search() yields a NoClassDef exception for boucncycastle   | Rob Nahf       | 2015-05-12 18:46 |                      |
| 7161 | CN REST          | Bug     | New         | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized   |                | 2015-06-05 18:04 | d1_synchronization   |
| 7178 | Infrastructure   | Bug     | New         | Normal   | duplicate replica information on mn-demo-5   | Robert Waltz   | 2015-07-01 20:14 | d1_replication       |
| 7291 | Python GMN       | Bug     | New         | Normal   | pypi distribution does not have all files  | Roger Dahl     | 2016-04-14 14:57 |                      |
| 7298 | Python Libraries | Bug     | New         | Normal   | escapeQueryTerm should be a module method not a class method   | Dave Vieglaiss | 2015-08-18 15:06 | d1_libclient_python  |
| 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  |
| 7301 | CN REST          | Bug     | New         | Normal   | CN-stage allows connections to a MN that is operating a self-signed SSL server certificate                                   |                | 2015-08-19 03:46 |                      |
| 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    |
| 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       |
| 7371 | Infrastructure   | Bug     | New         | Normal   | A systemMetadata update that changes the formatID from DATA to METADATA or RESOURCE_MAP will not upload the object to the CN | Robert Waltz   | 2015-09-22 21:47 | d1_cn_service        |
| 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    |
| 7440 | CN REST          | Bug     | New         | Normal   | Non-discernable error during synchronization affecting (mostly) urn:node:mnTestAEKOS - "Client is shutdown."                 |                | 2015-10-20 14:46 |                      |
| 7489 | CN REST          | Bug     | New         | Normal   | processing daemon common-logging misconfigured   | Robert Waltz   | 2016-01-21 17:18 | d1_cn_process_daemon |
| 7523 | Infrastructure   | Bug     | In Progress | Normal   | D1Client no longer updates stale NodeList  | Rob Nahf       | 2016-04-19 22:27 | d1_libclient_java    |
| 7528 | DataONE API      | Bug     | New         | Normal   | Incorrect argument name documented for CNCORE.reserveldentier  |                | 2015-12-08 19:51 | api_documentation    |
| 7570 | Infrastructure   | Bug     | In Progress | Normal   | Search UI requests cause Out of Memory Error   | Jing Tao       | 2017-04-26 21:01 | d1_indexer           |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category              |
|------|----------------|---------|-------------|----------|---|---------------|------------------|-----------------------|
| 7578 | DataONE API    | Bug     | New         | Normal   | Fix 404 link to d1_instance_generator folder in documentation   |               | 2016-01-08 22:01 | api_documentation     |
| 7601 | Infrastructure | Bug     | New         | High     | CN checksum inconsistencies   | Dave Vieglais | 2016-01-26 19:29 |                       |
| 7651 | Python GMN     | Bug     | New         | High     | GMN returns two different dateSysMetadataModified dateTimestamps for same object  | Roger Dahl    | 2016-04-14 14:17 |                       |
| 7664 | Python GMN     | Bug     | New         | Normal   | manage.py register_node_with_dataone generates "nodeReplicationPolicy" XML fragment in node capabilities even when replication is false | Roger Dahl    | 2016-04-14 14:16 |                       |
| 7666 | Infrastructure | Bug     | New         | Normal   | mnTestMPC repeating attempts to set replica status to FAILED  | Laura Moyers  | 2016-02-25 21:44 | Environment.Stage1    |
| 7684 | DataONE API    | Bug     | New         | Low      | Call to MNStorage.update() via REST API returns java.lang.StackOverflowError  |               | 2016-03-21 23:07 |                       |
| 7687 | CN REST        | Bug     | New         | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification  | Rob Nahf      | 2016-07-22 19:22 | d1_synchronization    |
| 7688 | Infrastructure | Bug     | New         | Normal   | LogAggregation unable to change BaseURLs upon updateNodeCapabilities notification   | Dave Vieglais | 2018-01-02 12:02 | d1_log_aggregation    |
| 7698 | Infrastructure | Bug     | New         | Low      | Exclude SLF4J jars in d1_solr_extensions.jar  |               | 2016-03-28 16:22 | d1_cn_solr_extensions |
| 7699 | Infrastructure | Bug     | New         | Normal   | alter scripts that backup postgresql db   |               | 2017-05-09 17:33 | dataone-cn-os-core    |
| 7738 | Python GMN     | Bug     | New         | High     | GMN perpetually retries system metadata updates after failures  | Roger Dahl    | 2016-04-14 14:26 |                       |
| 7739 | Python GMN     | Bug     | New         | Normal   | GMN Django models need to be adjusted for var char content greater than 1024 character length   | Roger Dahl    | 2016-04-14 14:47 |                       |
| 7740 | Python GMN     | Bug     | New         | High     | GMN fails to write system metadata during a refresh under unknown conditions  | Roger Dahl    | 2016-04-14 14:56 |                       |
| 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    |
| 7759 | Python GMN     | Bug     | New         | Normal   | GMN docs refer to /portal for identity management   | Roger Dahl    | 2017-03-28 16:45 |                       |
| 7825 | Infrastructure | Bug     | New         | Normal   | Hazelcast service stops working after a while   | Jing Tao      | 2016-06-07 18:53 | Metacat               |
| 7858 | Infrastructure | Bug     | New         | Normal   | Obsoleting a resource map clears the resourceMap field for the obsoleted package  |               | 2017-03-28 16:20 | d1_indexer            |
| 7868 | Infrastructure | Bug     | New         | Normal   | potential gaps between log harvests   | Rob Nahf      | 2017-03-23 15:40 | d1_log_aggregation    |
| 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 |                       |
| 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            |
| 7919 | Infrastructure | Bug     | New         | High     | unloadable system metadata in CNs by Hazelcast  |               | 2016-11-01 19:30 | Metacat               |
| 7933 | Infrastructure | Bug     | New         | Normal   | d1-index-task-processor stops processing task queue   | Jing Tao      | 2017-01-11 23:47 | d1_indexer            |
| 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            |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee        | Updated          | Category                |
|------|----------------|---------|-------------|----------|---|-----------------|------------------|-------------------------|
| 7954 | Infrastructure | Bug     | New         | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN  | Roger Dahl      | 2017-04-19 18:55 | 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     |
| 8010 | CN REST        | Bug     | New         | Normal   | CN.archive fails with 401 Unauthorized when using either MN or CN client certificate for PID with authoritative MN as urn:node:LTER | Jing Tao        | 2017-03-21 17:10 |                         |
| 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              |
| 8045 | Infrastructure | Bug     | New         | Normal   | certificateLocation not seeming to be utilized  | Rob Nahf        | 2017-03-14 20:45 | d1_libclient_java       |
| 8046 | Infrastructure | Bug     | New         | Normal   | Mutable Member Nodes orphan unhosted objects  |                 | 2017-03-15 17:40 | Architecture Design     |
| 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      |
| 8052 | Infrastructure | Bug     | New         | Normal   | Geohashed value is incorrect  | Peter Slaughter | 2017-04-07 22:06 | d1_indexer              |
| 8069 | Infrastructure | Bug     | New         | Normal   | Name from ORCID incorrectly parsed  | Ben Leinfelder  | 2017-04-12 20:28 | d1_portal_servlet       |
| 8076 | Infrastructure | Bug     | New         | High     | sysmeta can not be retrieved for some objects   | Dave Vieglais   | 2017-04-22 01:54 | dataone-cn-rest-service |
| 8093 | Infrastructure | Bug     | New         | Normal   | resource map index processing is inefficient (2sec / referenced object)   | Rob Nahf        | 2017-05-10 20:00 | d1_indexer              |
| 8106 | Infrastructure | Bug     | Testing     | Normal   | Difficulty Distinguishing Between Different Kinds of Failed Sync "Not Found" Error Messages   | Rob Nahf        | 2018-02-20 16:57 | d1_synchronization      |
| 8115 | Infrastructure | Bug     | New         | Normal   | LDAP logging is set to DEBUG on production CNs  | Rob Nahf        | 2017-12-26 18:29 | dataone-cn-os-core      |
| 8123 | Infrastructure | Bug     | Testing     | Normal   | portal hazelcast client should load config directly from xml  | Rob Nahf        | 2017-12-26 18:20 | d1_portal_servlet       |
| 8161 | Infrastructure | Bug     | New         | Normal   | d1-processing Out of Memory Error   | Dave Vieglais   | 2018-02-20 16:19 | d1_process_daemon       |
| 8182 | Infrastructure | Bug     | New         | Normal   | relationships defined using SIDs in resource maps don't stay current  | Rob Nahf        | 2017-09-12 00:13 | d1_indexer              |
| 8195 | Infrastructure | Bug     | In Progress | High     | Tomcat out of memory error  | Dave Vieglais   | 2017-12-26 20:01 |                         |
| 8196 | Infrastructure | Bug     | New         | Normal   | Duplicated replicas in the system metadata  | Jing Tao        | 2017-10-18 17:19 | d1_replication          |
| 8215 | Infrastructure | Bug     | New         | Normal   | Consider how Subjects are compared (e.g. HTTP vs. HTTPS ORCID URIs)   |                 | 2017-11-07 22:11 |                         |
| 8228 | Infrastructure | Bug     | New         | Normal   | Excessive replicas requested by integration test  | Rob Nahf        | 2018-03-02 21:52 | d1_integration          |
| 8361 | Infrastructure | Bug     | New         | Normal   | index processor throws unhandled NPE if task systemMetadata is null   | Rob Nahf        | 2018-03-22 16:54 | d1_indexer              |
| 8379 | Infrastructure | Bug     | New         | Normal   | remove or improve AuthLdap.getGroups logging statement  | Jing Tao        | 2018-02-27 16:51 | Metacat                 |
| 8380 | Infrastructure | Bug     | New         | Normal   | MN.update method doesn't check if the authoritativeMN is null on the system metadata of the new object                              | Jing Tao        | 2018-03-02 21:53 | Metacat                 |
| 8448 | Infrastructure | Bug     | New         | Normal   | d1_cn_index_tool doesn't reindex an pid from a given file   | Jing Tao        | 2018-03-02 22:06 | d1_indexer              |
| 8500 | Infrastructure | Bug     | New         | High     | Geohash not calculated properly   | Jing Tao        | 2018-03-14 17:06 | d1_indexer              |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category              |
|------|----------------|---------|-------------|----------|--|---------------|------------------|-----------------------|
| 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            |
| 8541 | Infrastructure | Bug     | New         | Normal   | index shutdown threw exception   | Rob Nahf      | 2018-04-12 16:44 | d1_indexer            |
| 8570 | Infrastructure | Bug     | New         | Normal   | index task not generated for a newly synchronized object   | Jing Tao      | 2018-04-20 20:51 | d1_indexer            |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object  | Jing Tao      | 2018-04-23 20:13 | d1_indexer            |
| 8573 | Infrastructure | Bug     | In Progress | Normal   | changing accessPolicies and rightHolders down the line of series can cause improper sync failures                            | Rob Nahf      | 2018-05-03 21:52 | d1_synchronization    |
| 8603 | Infrastructure | Bug     | New         | Normal   | log aggregation incorrectly assigning location information   | Dave Vieglais | 2018-06-07 20:52 | d1_log_aggregation    |
| 8622 | Member Nodes   | Bug     | New         | High     | IOE repository is not responding   | Amy Forrester | 2019-03-05 20:54 |                       |
| 8630 | CN REST        | Bug     | New         | Normal   | equivalentIdentity values use uppercase letters when the same person subject values are lowercase                            |               | 2018-06-26 14:15 | d1_identity_manager   |
| 8640 | Infrastructure | Bug     | New         | Normal   | Replication includes "down" nodes as replication targets   | Chris Jones   | 2018-07-04 11:29 | d1_replication        |
| 8641 | Infrastructure | Bug     | New         | Normal   | Any change to SystemMetadata causes a new replication task to be generated without consideration of the object replicability | Chris Jones   | 2018-07-04 12:28 | d1_replication        |
| 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        |
| 8655 | Infrastructure | Bug     | New         | High     | Synchronization died with OOM  |               | 2018-07-13 11:24 |                       |
| 8657 | Log Reporting  | Bug     | New         | Normal   | Log aggregation service not recording logs for the MNs - urn:node:TDAR and urn:node:OTS_NDC                                  |               | 2018-07-16 21:36 | d1_log_aggregation    |
| 8686 | Infrastructure | Bug     | New         | Normal   | d1-index-task-processor failed with NPE  | Rob Nahf      | 2018-08-24 01:35 | d1_indexer            |
| 8696 | Infrastructure | Bug     | New         | Urgent   | double indexing of a resource map and another not processed because of resource contention (lock) on member                  | Rob Nahf      | 2018-09-12 00:22 | d1_indexer            |
| 8698 | CN REST        | Bug     | New         | Normal   | CN Performance degradation   |               | 2018-09-13 21:05 | d1_cn_rest            |
| 8722 | Infrastructure | Bug     | New         | High     | Object in search index but systemmetadata is not available.  | Jing Tao      | 2018-10-03 17:48 |                       |
| 8724 | Infrastructure | Bug     | New         | Normal   | index out of bounds error in PortalCertificateManager  | Rob Nahf      | 2018-10-02 19:11 | d1_portal             |
| 8731 | Infrastructure | Bug     | New         | Normal   | Indexing solr client method is building query with too many ORs, causing errors  | Rob Nahf      | 2018-10-04 22:25 | d1_indexer            |
| 8733 | CN REST        | Bug     | New         | Normal   | Exception handling in ForesiteResourceMap needs improvement  | Jing Tao      | 2018-10-12 20:09 | d1_cn_index_processor |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail   | Rob Nahf      | 2018-10-18 18:33 | d1_indexer            |
| 8740 | CN REST        | Bug     | New         | Normal   | CN resolve service returning 404 for some pids   |               | 2019-01-22 18:41 | cn_metacat            |
| 8783 | Infrastructure | Bug     | New         | Normal   | synchronization re-created 26k map entries in SyncQueueFacade.nodeIdRoundRobin   | Rob Nahf      | 2019-04-02 20:10 | d1_synchronization    |
| 8815 | Infrastructure | Bug     | New         | Normal   | Investigate and fix failed sync/harvest of doi:10.18739/A2CH48   |               | 2019-06-04 23:26 |                       |
| 8821 | Infrastructure | Bug     | New         | Normal   | Object doi:10.18739/A2610VR7Z fails to index on CN   | Jing Tao      | 2019-06-19 00:06 |                       |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category            |
|------|----------------|---------|-------------|----------|---|---------------|------------------|---------------------|
| 8822 | Infrastructure | Bug     | New         | Low      | Account queries in STAGE-2 failing from web browser   |               | 2019-06-19 01:44 |                     |
| 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  |
| 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 |                     |
| 8845 | Member Nodes   | Bug     | New         | Normal   | Server is returning a 500 error.  |               | 2019-10-08 15:20 |                     |
| 8846 | Member Nodes   | Bug     | New         | Normal   | TFRI node unresponsive  |               | 2019-10-08 15:26 |                     |
| 8850 | Infrastructure | Bug     | New         | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong                     | Jing Tao      | 2019-11-06 18:32 | d1_indexer          |
| 8860 | CN REST        | Bug     | New         | Normal   | /token endpoint doesn't set a content-type and character encoding                               |               | 2020-02-29 01:00 | d1_portal           |
| 8866 | Infrastructure | Bug     | New         | Normal   | Java client tools should set a custom user agent string   |               | 2020-07-15 22:43 |                     |
| 8867 | CN REST        | Bug     | New         | High     | CNCore.listChecksumAlgorithms() returns incorrect list  | Jing Tao      | 2020-08-06 00:06 | d1_cn_rest          |
| 817  | Infrastructure | Task    | New         | Low      | Integration testing: Make Java and Python stack return values equal for each function.          | Roger Dahl    | 2012-10-08 18:47 |                     |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages                               | Rob Nahf      | 2012-10-16 21:34 | d1_integration      |
| 925  | Infrastructure | Task    | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                 |               | 2011-10-31 20:32 | d1_client_ONEDrive  |
| 991  | Infrastructure | Task    | New         | Low      | implement HEAD /resolve/<guid>  |               | 2010-10-13 22:02 |                     |
| 995  | Infrastructure | Task    | New         | Normal   | implement JSON formatted OLLs   |               | 2010-10-25 16:45 |                     |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs                                   |               | 2010-10-21 14:55 |                     |
| 1035 | Infrastructure | Task    | In Progress | Normal   | Develop reference architecture documents  | Bruce Wilson  | 2011-03-03 19:26 | Documentation       |
| 1047 | Infrastructure | Task    | In Progress | Normal   | Write Authentication system specification   | Matthew Jones | 2014-10-01 20:47 |                     |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification  | Matthew Jones | 2014-10-01 20:47 |                     |
| 1061 | Infrastructure | Task    | In Progress | Normal   | Identify approach to IdentityMapping  | Matthew Jones | 2014-10-01 20:47 |                     |
| 1073 | Infrastructure | Task    | New         | Normal   | Design client application authentication redirection approach                                   | Matthew Jones | 2014-10-01 20:47 | d1_identity_manager |
| 1159 | Infrastructure | Task    | In Progress | Normal   | Add description of Group creation and management to design specs.                               | Matthew Jones | 2014-10-01 20:47 |                     |
| 1225 | Infrastructure | Task    | New         | Normal   | Configure Hudson Metacat build  |               | 2011-01-13 14:41 | Metacat             |
| 1226 | Infrastructure | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war                               |               | 2011-01-13 14:57 | d1_cn_buildout      |
| 1227 | Infrastructure | Task    | New         | Normal   | configure Hudson to build Mercury for deployment to a CN  | Dave Vieglais | 2011-01-13 15:16 | d1_mercury          |
| 1234 | Infrastructure | Task    | New         | Normal   | Record performance metrics for member nodes   |               | 2011-01-15 02:52 |                     |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category       |
|------|----------------|---------|-------------|----------|--|----------------|------------------|----------------|
| 1236 | Infrastructure | Task    | New         | Normal   | Highly variable response times from cn.dataone.org                   |                | 2011-01-17 16:34 | d1_cn_service  |
| 1331 | Infrastructure | Task    | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()               |                | 2011-02-09 22:44 |                |
| 1332 | Infrastructure | Task    | New         | Normal   | Possibly remove MN_crud.update()                                     |                | 2011-02-09 22:50 |                |
| 1333 | Infrastructure | Task    | New         | Normal   | traceInformation -> trace  |                | 2011-02-09 22:46 |                |
| 1334 | Infrastructure | Task    | New         | Normal   | Completely remove detailCode   |                | 2011-02-09 22:51 |                |
| 1335 | Infrastructure | Task    | New         | Normal   | Local caching of the d1 schema.                                      |                | 2011-02-09 22:56 |                |
| 1339 | Infrastructure | Task    | New         | Normal   | "common" -> "base" or "foundation"                                   |                | 2011-02-09 23:19 |                |
| 1411 | Infrastructure | Task    | New         | Normal   | Vendor Specific Extensions   |                | 2011-03-08 16:59 |                |
| 1412 | CN REST        | Task    | New         | Normal   | MN health check performed by CN                                      | Robert Waltz   | 2015-01-19 23:06 |                |
| 1414 | Infrastructure | Task    | New         | Normal   | How to represent additional Node attributes.                         |                | 2011-03-09 06:16 |                |
| 1442 | DataONE API    | Task    | New         | Normal   | Identify monitoring and logging use cases and requirements           | Dave Vieglais  | 2015-01-19 23:06 |                |
| 1443 | DataONE API    | Task    | New         | Normal   | Identify operational requirements for monitoring and logging         | Dave Vieglais  | 2015-01-19 23:06 |                |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                      | Matthew Jones  | 2014-10-01 20:47 | Documentation  |
| 1471 | Infrastructure | Task    | New         | Normal   | Define implicit curator role at Member Nodes.                        | Matthew Jones  | 2014-10-01 20:47 |                |
| 1472 | Infrastructure | Task    | New         | Normal   | Explain revocation policies via MN curator.                          | Matthew Jones  | 2014-10-01 20:47 |                |
| 1473 | Infrastructure | Task    | New         | Normal   | Make default access policy explicit in Authz docs.                   | Matthew Jones  | 2014-10-01 20:47 |                |
| 1474 | Infrastructure | Task    | New         | Normal   | Design verification process for new accounts                         | Matthew Jones  | 2014-10-01 20:47 |                |
| 1479 | CN REST        | Task    | In Progress | Normal   | Design web UI for validating newly created identities                | Ben Leinfelder | 2015-01-19 22:59 |                |
| 1481 | Infrastructure | Task    | New         | Normal   | Clarify spec that groups can own objects                             | Matthew Jones  | 2014-10-01 20:47 |                |
| 1482 | Infrastructure | Task    | New         | Normal   | Design mechanism to collapse two accounts into one                   | Matthew Jones  | 2014-10-01 20:47 |                |
| 1484 | Infrastructure | Task    | New         | Normal   | Decide on format for Principals                                      | Matthew Jones  | 2014-10-01 20:47 |                |
| 1485 | Infrastructure | Task    | New         | Normal   | Clean up authn requirements listing                                  | Matthew Jones  | 2014-10-01 20:47 |                |
| 1494 | Infrastructure | Task    | New         | Normal   | Create sequence diagrams for Authentication services.                | Matthew Jones  | 2014-10-01 20:47 |                |
| 1502 | Infrastructure | Task    | New         | Normal   | Fix hierarchy of permission levels.                                  | Matthew Jones  | 2014-10-01 20:47 | Documentation  |
| 1518 | Infrastructure | Task    | New         | Normal   | How to support caching   |                | 2011-05-04 14:33 |                |
| 1519 | Infrastructure | Task    | New         | Normal   | HTTP Byte Range Requests   |                | 2011-05-04 14:34 |                |
| 1520 | Infrastructure | Task    | New         | Normal   | Stream Output  |                | 2011-05-04 14:35 |                |
| 1521 | Infrastructure | Task    | New         | Normal   | Compressed Response  |                | 2011-05-04 14:35 |                |
| 1527 | Infrastructure | Task    | New         | Normal   | Allow AccessPolicy to be set for groups                              | Matthew Jones  | 2014-10-01 20:47 |                |
| 1552 | Java Client    | Task    | New         | Normal   | Copy TestSimpleMultipartEntity from d1_common_java to d1_integration | Rob Nahf       | 2015-02-11 19:49 |                |
| 1554 | Java Client    | Task    | New         | Normal   | Create MockHttpClient for testing in d1_common_java                  | Rob Nahf       | 2015-02-11 19:49 | d1_common_java |
| 1555 | Java Client    | Task    | New         | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient         | Rob Nahf       | 2015-02-11 19:49 | d1_common_java |



| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|---------------|------------------|--------------------|
| 1556 | Infrastructure | Task    | In Progress | High     | Interns mailing list   |               | 2011-05-12 23:02 |                    |
| 1559 | Java Client    | Task    | New         | Low      | Refactor d1_libclient_java echo tests  | Rob Nahf      | 2015-02-11 19:49 | d1_libclient_java  |
| 1585 | Infrastructure | Task    | New         | Low      | add exec-maven-plugin to trigger python integration tests at verify phase.                           | Rob Nahf      | 2012-10-16 21:32 |                    |
| 1646 | Infrastructure | Task    | New         | Normal   | Add addFormat() to the CNCORE API  |               | 2016-06-22 16:51 |                    |
| 1647 | Java Client    | Task    | New         | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                                 |               | 2016-06-22 16:51 | d1_common_java     |
| 1648 | Java Client    | Task    | New         | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                                    |               | 2016-06-22 16:51 | d1_libclient_java  |
| 1649 | Infrastructure | Task    | New         | Normal   | Update Metacat's CNCOREImpl to include addFormat()   |               | 2016-06-22 16:51 |                    |
| 1650 | Infrastructure | Task    | New         | Normal   | Update d1_cn_service ProxyCNCOREService and CNCOREController to include addFormat()                  |               | 2016-06-22 16:51 |                    |
| 1651 | Infrastructure | Task    | New         | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                               |               | 2016-06-22 16:51 |                    |
| 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 |                    |
| 1671 | Infrastructure | Task    | New         | Normal   | Need folder for DUG, accessible by DUG members   | Matthew Jones | 2011-07-12 12:09 | Support Operations |
| 1762 | Infrastructure | Task    | New         | Normal   | Sketch CN components and associations  | Dave Vieglais | 2014-10-02 17:40 |                    |
| 1808 | Infrastructure | Task    | New         | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()   |               | 2011-10-04 16:08 |                    |
| 1890 | Infrastructure | Task    | New         | Normal   | Comply with Maven Central requirements for publishing artifacts                                      | Matthew Jones | 2011-10-27 21:39 |                    |
| 1961 | Infrastructure | Task    | New         | Normal   | Types.ErrorMessage - does not exist  | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 1983 | Infrastructure | Task    | New         | Normal   | UC04 describes MNCORE.ping() with discovery capability   | Dave Vieglais | 2014-10-02 17:21 | Documentation      |
| 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      |
| 2018 | Infrastructure | Task    | New         | Normal   | document DataONE CA operations procedures  | Matthew Jones | 2012-04-23 17:53 | Support Operations |
| 2028 | Infrastructure | Task    | New         | Normal   | Document VM specifications for CNs   | Dave Vieglais | 2014-09-24 18:29 | Management         |
| 2029 | Infrastructure | Task    | New         | Normal   | Document VM specifications for replication MNs   | Dave Vieglais | 2014-09-24 18:29 | Management         |
| 2030 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UNM                               | Dave Vieglais | 2014-09-24 18:29 | Hardware           |
| 2031 | Infrastructure | Task    | New         | Normal   | Document the structure and interconnections of VM host hardware at UCSB                              | Nick Outin    | 2014-09-24 18:29 | Hardware           |
| 2033 | Infrastructure | Task    | New         | Normal   | Document hardware / CN administrators and their contact info   | Dave Vieglais | 2014-09-24 18:29 | Management         |
| 2035 | Infrastructure | Task    | New         | Normal   | Design nagios system for monitoring CN locations   | Nick Outin    | 2014-09-24 18:29 | d1_monitor         |
| 2051 | Infrastructure | Task    | New         | Normal   | Use subject instead of NodeRef   |               | 2011-11-23 18:11 | Documentation      |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|----------------|------------------|-------------------------------|
| 2053 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion                        |                | 2014-10-02 17:21 |                               |
| 2054 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationPolicy(), updateReplicationMetadata()                          | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2083 | Infrastructure | Task    | New         | Normal   | Split the CN API into public and private sections  | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2123 | Infrastructure | Task    | New         | Normal   | Description of serialVersion   | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2131 | Infrastructure | Task    | New         | Normal   | CNRegister.updateNodeCapabilities() - nodeid -> nodeId                                     | Dave Vieglais  | 2014-10-02 17:21 |                               |
| 2133 | Infrastructure | Task    | New         | Normal   | listObjects() datetime slicing   |                | 2011-12-12 23:15 |                               |
| 2142 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - include PID in signature                                      | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 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              |
| 2151 | Infrastructure | Task    | New         | Normal   | Ensuring that cited objects are not deleted  |                | 2011-12-23 04:20 |                               |
| 2168 | CN REST        | Task    | New         | Normal   | Design UI for identity validation  | 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                    |
| 2172 | Infrastructure | Task    | New         | Normal   | Types.DateTime: Example serialization without TZ designator                                | 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                 |
| 2281 | Infrastructure | Task    | New         | Low      | Possibly update the Identity Management and Authenticated Session Management doc           | Matthew Jones  | 2014-10-01 20:47 | Authentication, Authorization |
| 2286 | Infrastructure | Task    | New         | Low      | Change Exceptions.InvalidToken to Exceptions.InvalidSession                                | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2342 | Infrastructure | Task    | New         | Normal   | CNCore.reserveIdentifier() - Update REST description                                       | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2343 | Infrastructure | Task    | New         | Normal   | Convert style sheets to separate product   | Ben Leinfelder | 2012-02-15 17:43 |                               |
| 2344 | Infrastructure | Task    | New         | Normal   | Add category for Ben's style sheets in Redmine   | Dave Vieglais  | 2012-02-15 17:45 | Support Operations            |
| 2394 | Infrastructure | Task    | New         | Normal   | CNRead.search() - solr / SOLR  | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2414 | CN REST        | Task    | New         | Normal   | Implement exceptions for search/solr endpoint  | Skye Roseboom  | 2015-01-19 22:49 |                               |
| 2415 | CN REST        | Task    | New         | Normal   | Implement exceptions for log endpoint  | Robert Waltz   | 2015-01-19 22:49 |                               |
| 2464 | Infrastructure | Task    | New         | Normal   | Authentication - no space after comma in subjects  | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2465 | Infrastructure | Task    | New         | Normal   | Authentication - Remove TODO about selecting format for principal name                     | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2466 | Infrastructure | Task    | New         | Normal   | Authentication - Remove references to Principal  | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2475 | Infrastructure | Task    | New         | Normal   | CNReplication.setReplicationStatus() - How to represent null                               | Dave Vieglais  | 2014-10-02 17:21 | Documentation                 |
| 2487 | CN REST        | Task    | New         | Normal   | How does a CN handle the failure of MN replica to receive MNStorage.sytemMetadataChanged() | Robert Waltz   | 2016-08-10 20:51 |                               |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee        | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|-----------------|------------------|-------------------------------|
| 2492 | Infrastructure | Task    | New         | Normal   | Add status page for given {pid}  | Ben Leinfelder  | 2012-03-15 02:02 | d1_monitor                    |
| 2508 | Infrastructure | Task    | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.                 | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2545 | Infrastructure | Task    | New         | Normal   | create d1_integration tests using for MN.generateIdentifier                                  | Rob Nahf        | 2014-10-02 17:54 | d1_integration                |
| 2549 | Infrastructure | Task    | New         | Normal   | document the decision  | Matthew Jones   | 2012-03-27 22:03 | Authentication, Authorization |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09   | Skye Roseboom   | 2014-09-11 15:47 | d1_replication                |
| 2593 | Infrastructure | Task    | New         | Normal   | Prepare science data and metadata content for the workshop                                   | Dave Vieglais   | 2012-04-09 22:52 |                               |
| 2594 | Infrastructure | Task    | New         | Normal   | Prepare a Mercury MN overview for the workshop   | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury                    |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions                                       | Andrew Pippin   | 2012-07-06 16:25 | d1_mn_GMN                     |
| 2646 | Infrastructure | Task    | New         | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()          | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2660 | Infrastructure | Task    | New         | Normal   | Deciding on a key size for D1 certs  | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2664 | Infrastructure | Task    | New         | Normal   | Create documentation for how transitivity is enacted for authorization                       | Matthew Jones   | 2014-10-01 20:47 | Authentication, Authorization |
| 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            |
| 2688 | Infrastructure | Task    | New         | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison | Dave Vieglais   | 2014-09-24 18:27 | Documentation                 |
| 2791 | Infrastructure | Task    | New         | Normal   | verify on dev machines   | Dave Vieglais   | 2012-05-21 17:41 | d1_cn_buildout                |
| 2793 | Infrastructure | Task    | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header        | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2794 | Infrastructure | Task    | New         | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"       | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2809 | Infrastructure | Task    | New         | Normal   | MNStorage.update() - Make behavior explicit  | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2810 | Infrastructure | Task    | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect                             | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2826 | Infrastructure | Task    | New         | Normal   | MNStorage.archive() - Permissions  | Dave Vieglais   | 2014-10-02 17:21 | Documentation                 |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*   | Dave Vieglais   | 2015-06-25 22:00 | d1_schemas                    |
| 2896 | Infrastructure | Task    | New         | Normal   | Modify the admin DN in createObjectformat script per environment                             | Chris Jones     | 2012-10-05 14:23 | d1_cn_buildout                |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                                       | Rob Nahf        | 2014-10-01 22:04 | d1_integration                |
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats                                  | Ben Leinfelder  | 2012-08-14 23:41 |                               |
| 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             |
| 3063 | Infrastructure | Task    | New         | Normal   | Change Mutability of Metadata documentation  | Dave Vieglais   | 2014-09-24 18:27 | Documentation                 |
| 3067 | Infrastructure | Task    | New         | Normal   | Old DAAC PIDs to archive   | Dave Vieglais   | 2013-01-02 14:14 | mn.Mercury                    |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category |
|------|----------------|---------|-------------|----------|---|----------------|------------------|----------|
| 3076 | Infrastructure | Task    | New         | Normal   | Allow user to specify Morpho storage directory          |                | 2013-03-02 05:29 | Morpho   |
| 3080 | Infrastructure | Task    | New         | Normal   | Calling Dataone client library in morpho                |                | 2013-03-02 05:28 |          |
| 3082 | Infrastructure | Task    | New         | Normal   | Morpho should not rely on CN for any critical features  |                | 2013-03-02 05:26 | Morpho   |
| 3108 | Infrastructure | Task    | New         | Normal   | lastHarvested date is always equal to the current time. | Dave Vieglais  | 2012-07-30 22:11 |          |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents          | Ben Leinfelder | 2012-07-31 01:34 |          |

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