

## Issues

| #    | Project  | Tracker | Status      | Priority | Subject                                                                         | Assignee             | Updated             | Tags              |
|------|----------|---------|-------------|----------|---------------------------------------------------------------------------------|----------------------|---------------------|-------------------|
| 5318 | mini-ndn | Feature | In Progress | Normal   | Move NFD/NLSR configuration modification to be executed internally via infoconv | Alexander Lane       | 04/10/2024 09:35 PM |                   |
| 5317 | mGuard   | Task    | New         | Normal   | Facilitate New Users/Policies                                                   |                      | 04/05/2024 09:33 PM |                   |
| 5316 | mini-ndn | Bug     | In Progress | High     | Resolution to bug #5309 not supporting PPAs                                     | Alexander Lane       | 04/04/2024 06:13 PM |                   |
| 5314 | mini-ndn | Task    | New         | Normal   | Automatically install utilities needed for doc generation in NDN dependencies   | Alexander Lane       | 04/02/2024 06:20 PM |                   |
| 5313 | ndn-cxx  | Feature | New         | Normal   | ValidatorConfig: specify signed Interest fields                                 |                      | 02/23/2024 07:26 PM | ValidatorConfig   |
| 5312 | PSync    | Task    | New         | Normal   | Improve handling of stale sync data/"no new update"                             |                      | 02/12/2024 09:02 PM |                   |
| 5308 | NLSR     | Task    | In Progress | Normal   | Code cleanup in LSA and routing table related types                             | Junxiao Shi          | 02/22/2024 02:16 PM | code-cleanup      |
| 5307 | mGuard   | Bug     | New         | Normal   | ck+encrypted data bug                                                           |                      | 01/09/2024 09:31 PM |                   |
| 5306 | mGuard   | Task    | New         | Normal   | Fix Waf Scripts                                                                 | Adam Thieme          | 01/24/2024 04:08 AM |                   |
| 5305 | PSync    | Task    | New         | Normal   | Enhance HELLO protol to notify consumers of new prefixes when they are added    |                      | 12/21/2023 06:21 PM |                   |
| 5303 | ndn-cxx  | Feature | In Progress | Normal   | Dockerfile for ndn-cxx ecosystem                                                | Davide Pesavento     | 04/09/2024 09:27 PM | docker            |
| 5302 | mGuard   | Task    | New         | Normal   | Change all timestamps to unix time                                              | Adam Thieme          | 11/21/2023 09:59 PM |                   |
| 5301 | mGuard   | Task    | New         | Normal   | Change semantic location window to formatted timestamp                          | Adam Thieme          | 11/21/2023 09:57 PM |                   |
| 5296 | mGuard   | Task    | New         | Normal   | bundle datapoints based on attributes                                           |                      | 08/31/2023 10:18 PM |                   |
| 5295 | mGuard   | Task    | New         | Normal   | Application needs to be able to configure time granularity                      |                      | 08/31/2023 10:17 PM |                   |
| 5294 | mGuard   | Task    | New         | Normal   | add time-based attributes to producer/publisher code                            |                      | 08/31/2023 10:16 PM |                   |
| 5293 | mGuard   | Task    | New         | Normal   | Modify data generator to be configurable via command line                       | Adam Thieme          | 09/14/2023 09:48 PM |                   |
| 5292 | mGuard   | Task    | New         | Normal   | Script to automate mGuard evaluation                                            |                      | 08/31/2023 09:20 PM |                   |
| 5291 | ndn-cxx  | Feature | New         | Normal   | Deterministic ECDSA signing                                                     |                      | 11/23/2023 07:58 PM | security, openssl |
| 5290 | mGuard   | Task    | New         | Normal   | create valid trust schema for testbed experiments                               |                      | 08/19/2023 12:58 AM |                   |
| 5289 | mGuard   | Task    | New         | Normal   | test mGuard for possible testbed-related bugs                                   |                      | 08/19/2023 12:57 AM |                   |
| 5288 | NFD      | Feature | New         | Normal   | DeadNonceList with hashtable buckets                                            |                      | 08/13/2023 10:14 PM | DeadNonceList     |
| 5287 | mGuard   | Task    | New         | Normal   | Developer Guide                                                                 |                      | 08/09/2023 10:09 PM |                   |
| 5284 | mGuard   | Task    | New         | Normal   | Documentation Updates                                                           |                      | 08/21/2023 06:26 PM |                   |
| 5283 | mGuard   | Task    | New         | Normal   | Write New Example Consumer Application for Testing                              | Howard Zhu           | 08/09/2023 10:02 PM |                   |
| 5282 | mGuard   | Task    | New         | Normal   | Update Current Example Consumer Application                                     | Howard Zhu           | 08/09/2023 10:03 PM |                   |
| 5281 | mGuard   | Task    | New         | Normal   | Example Consumer Updates                                                        |                      | 08/09/2023 10:02 PM |                   |
| 5280 | ndn-cxx  | Bug     | New         | Normal   | ValidityPeriod.NotAfter=99991231T235959 truncated                               |                      | 08/07/2023 06:20 PM |                   |
| 5278 | NFD      | Feature | Feedback    | Normal   | Delegate sending Nack-Duplicate to forwarding strategy                          | Mark Theeranantachai | 02/15/2024 05:45 PM |                   |

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|------|-----------|---------|-------------|----------|-----------------------------------------------------------------------------------------------|----------------------|---------------------|------------------------|
| 5277 | NFD       | Feature | In Progress | Normal   | Remove persistent faces                                                                       | Junxiao Shi          | 01/18/2024 02:09 AM |                        |
| 5275 | mGuard    | Task    | In Progress | Normal   | unit tests for name tree and parser                                                           | Adam Thieme          | 07/26/2023 09:24 PM |                        |
| 5274 | mGuard    | Task    | In Progress | Normal   | Clean Git Repository                                                                          | Adam Thieme          | 08/10/2023 10:58 PM |                        |
| 5273 | ndnSIM    | Bug     | New         | Normal   | Duplicated commands of AddRoute and RemoveRoute do not modify FIB                             | Mark Theeranantachai | 07/17/2023 12:12 PM |                        |
| 5272 | mGuard    | Task    | New         | Normal   | Handle CK data segmentation and content segmentation if the size exceed the MTU size          | Tianyuan Yu          | 07/19/2023 09:36 PM |                        |
| 5269 | mGuard    | Feature | New         | Low      | Parser Time-based attribute fix                                                               | Adam Thieme          | 08/19/2023 12:51 AM |                        |
| 5266 | PSync     | Bug     | New         | Normal   | Drop sync reply freshness to prevent caching-related issues                                   | Alexander Lane       | 05/23/2023 06:32 PM |                        |
| 5265 | NLSR      | Bug     | In Progress | Low      | Drop HELLO data freshness from unnecessarily high value                                       | Alexander Lane       | 05/23/2023 05:05 PM |                        |
| 5264 | mini-ndn  | Feature | Code review | Normal   | Allow permanent faces in NDNRoutingHelper                                                     | Alexander Lane       | 05/22/2023 11:35 PM |                        |
| 5263 | mini-ndn  | Bug     | Code review | Low      | Support floating point bandwidth in topology files                                            | Alexander Lane       | 05/22/2023 11:57 PM |                        |
| 5261 | mGuard    | Task    | New         | Normal   | fix identity-management-fixture                                                               | Adam Thieme          | 08/19/2023 12:46 AM |                        |
| 5260 | mGuard    | Task    | New         | Normal   | change semantic location lookup in database to return only one location                       | Adam Thieme          | 07/19/2023 09:42 PM |                        |
| 5259 | mGuard    | Task    | New         | Normal   | Add participant ID to semantic location lookup                                                | Adam Thieme          | 07/19/2023 09:43 PM |                        |
| 5258 | NLSR      | Feature | New         | Normal   | Increase possible range of supported Hello interest intervals and related configurable values |                      | 04/11/2023 04:20 PM |                        |
| 5257 | mGuard    | Feature | New         | Normal   | Initializing Requester Names via Controller Certs                                             | Adam Thieme          | 07/19/2023 09:49 PM |                        |
| 5256 | mGuard    | Task    | New         | Normal   | Update mGuard naming convention to incorporate metadata and revision number of the stream     | Saurab Dulal         | 08/09/2023 08:56 PM |                        |
| 5255 | mGuard    | Task    | New         | High     | Encrypt data using all possible contextual attributes                                         | Saurab Dulal         | 07/19/2023 09:57 PM |                        |
| 5253 | mGuard    | Task    | New         | Normal   | Modularize mGuard pub-sub API                                                                 | Saurab Dulal         | 03/29/2023 06:46 PM |                        |
| 5252 | mini-ndn  | Feature | New         | Normal   | Allow scripts to define custom configuration options for NLSR and NFD                         | Dylan Hensley        | 02/14/2023 08:20 PM |                        |
| 5246 | mini-ndn  | Bug     | New         | High     | Setting link parameters via topology conf file broken in Mini-NDN-Wifi                        |                      | 11/06/2022 11:26 AM | topology, mininet-wifi |
| 5243 | ndn-tools | Bug     | New         | Normal   | Goodput is zero on ARMv7                                                                      |                      | 10/04/2022 04:58 PM |                        |
| 5241 | ndn-cxx   | Task    | New         | Normal   | Redesign support for HMAC keys                                                                |                      | 08/24/2023 08:00 PM | security, openssl      |
| 5238 | mGuard    | Task    | In Progress | Normal   | Implement Unsubscribe feature                                                                 | Saurab Dulal         | 07/12/2023 09:55 PM |                        |
| 5234 | mini-ndn  | Bug     | In Progress | Normal   | Broken mobility bounds in Mini-NDN                                                            | Alexander Lane       | 08/08/2022 04:56 PM | mobility               |
| 5233 | mGuard    | Feature | New         | Normal   | Add wildcard support in both the name tree and in the parser                                  |                      | 08/02/2023 09:27 PM |                        |
| 5232 | mini-ndn  | Feature | New         | Normal   | Face creation via topology and enable users to run NLSR in Mini-NDN-Wifi                      | Alexander Lane       | 07/18/2022 05:32 PM |                        |
| 5231 | mini-ndn  | Task    | New         | Normal   | Set default access point/IP switch behavior to ignore SDN features                            |                      | 07/12/2022 10:45 AM |                        |
| 5230 | mini-ndn  | Task    | New         | Normal   | Add notes about NFD log level related packet loss to documentation                            | Alexander Lane       | 07/05/2022 02:18 PM |                        |

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|------|-----------|---------|-------------|----------|------------------------------------------------------------------------------------------------------|------------------|---------------------|----------------------------------------|
| 5228 | mGuard    | Task    | In Progress | Normal   | Benchmark repo with different DBs                                                                    | Suravi Regmi     | 08/02/2023 09:33 PM | repo, system                           |
| 5227 | mGuard    | Feature | New         | Normal   | Move repo interactions to a separation thread                                                        |                  | 06/27/2022 04:27 AM | repo, system                           |
| 5226 | mGuard    | Task    | New         | Normal   | Fetch data from real MD2K server                                                                     |                  | 06/27/2022 04:27 AM | system                                 |
| 5223 | mGuard    | Task    | New         | Normal   | Investigate problems with key names and interest/data parameter setting in NAC-ABE                   | Saurab Dulal     | 08/02/2023 09:38 PM | NAC-ABE                                |
| 5222 | mGuard    | Task    | In Progress | Normal   | See the possibility of switching to Repo commands instead of TCP bulk insertion                      | Suravi Regmi     | 08/02/2023 09:39 PM | repo                                   |
| 5220 | mGuard    | Task    | New         | Normal   | Automatically verify public key certificate from the users                                           | Saurab Dulal     | 06/27/2022 04:20 AM | mGuard Controller, Attribute Authority |
| 5219 | mGuard    | Feature | New         | Normal   | Support name prefix of data requesters in the policy                                                 | Adam Thieme      | 08/19/2023 12:53 AM | Attribute Authority                    |
| 5209 | ndn-cxx   | Feature | New         | Normal   | Ed25519 signature type                                                                               |                  | 08/23/2023 11:50 PM | Ed25519, security                      |
| 5208 | mini-ndn  | Task    | New         | Normal   | Allow for batch processing of Nfdc face creation                                                     |                  | 05/24/2022 12:11 PM |                                        |
| 5207 | NFD       | Feature | New         | Normal   | autoconfig: allow NDN-FCH service over HTTPS                                                         |                  | 03/05/2024 04:38 PM |                                        |
| 5203 | ndns      | Feature | New         | Normal   | Accommodate certificate name in KeyLocator                                                           |                  | 05/04/2022 01:59 PM |                                        |
| 5194 | mGuard    | Task    | New         | Normal   | Unit and Integration tests                                                                           | Saurab Dulal     | 07/26/2023 09:24 PM | unit-tests, integration                |
| 5191 | mGuard    | Task    | In Progress | Normal   | Bootstrapping, namespace and certificate management                                                  | Tianyuan Yu      | 07/26/2023 09:38 PM | certificate                            |
| 5182 | NFD       | Feature | New         | Normal   | Easier identification of the process at the other end of a UnixStream face                           | Davide Pesavento | 05/15/2022 03:01 PM |                                        |
| 5177 | ndn-cxx   | Feature | New         | Normal   | Command interest replay detection by (timestamp, nonce)-tuples                                       |                  | 01/11/2022 05:43 PM | security                               |
| 5175 | NFD       | Feature | New         | Normal   | Replace CityHash with a more modern hash function                                                    |                  | 03/17/2022 11:07 AM |                                        |
| 5174 | mini-ndn  | Task    | New         | Normal   | ndnRoutingHelper: Use nfdc batch command to install route                                            |                  | 06/24/2021 03:12 PM |                                        |
| 5170 | mini-ndn  | Task    | New         | Normal   | Avoid using default topologies                                                                       |                  | 06/10/2021 10:42 AM |                                        |
| 5168 | mini-ndn  | Task    | New         | Normal   | Write documentation for the examples                                                                 |                  | 06/04/2021 12:59 PM |                                        |
| 5166 | NFD       | Feature | New         | Normal   | Make DeadNonceList lifetime configurable                                                             |                  | 08/13/2023 10:19 PM | DeadNonceList                          |
| 5159 | PSync     | Task    | New         | Normal   | PartialSync: replace hello Interest/data with sync Interest/data using a special bloom filter/prefix |                  | 01/02/2023 08:44 PM |                                        |
| 5156 | ndn-tools | Bug     | New         | Normal   | ndncatchunks: m_nInFlight > 0 assertion failed when transferring large file                          |                  | 04/06/2021 06:00 PM |                                        |
| 5152 | NLSR      | Bug     | New         | Normal   | Problem of assigning link-cost to "zero" for neighbors in Hyperbolic Routing (HR)                    |                  | 03/01/2022 06:44 PM |                                        |
| 5150 | NAC       | Feature | New         | Normal   | Implement access revocation                                                                          |                  | 08/28/2023 04:55 AM |                                        |
| 5149 | NFD       | Bug     | New         | Normal   | Error 10060 when fetching RIB dataset: Timeout exceeded                                              |                  | 02/26/2021 03:25 AM |                                        |
| 5148 | ndn-cxx   | Feature | New         | Normal   | ValidatorConfig: multiple sig-type restrictions in a single checker                                  |                  | 12/01/2023 08:41 PM | ValidatorConfig                        |
| 5143 | PSync     | Task    | New         | Normal   | FullSync: Append "full-sync" to sync prefix to distinguish from partial sync (/hello and /sync)      |                  | 01/31/2021 09:20 AM |                                        |
| 5141 | NFD       | Task    | New         | Low      | Investigate new clang PCH flags                                                                      |                  | 12/01/2023 07:15 PM | waf                                    |

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|------|------------|---------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------|------------------|
| 5137 | PSync      | Feature | New         | Normal   | PartialSync: Consumer can schedule sending sync interest before the sync interest gets expired                                                                         |                | 01/02/2023 08:33 PM |                  |
| 5132 | mini-ndn   | Task    | New         | Normal   | NLSR convergence time                                                                                                                                                  |                | 03/30/2022 02:49 PM |                  |
| 5126 | ndn-cxx    | Bug     | New         | Normal   | Unreliable (or ill-designed?) test case<br>Encoding/TestBlock/Construction/FromBlock                                                                                   |                | 12/08/2023 07:12 PM | unit-tests       |
| 5125 | mini-ndn   | Bug     | New         | Normal   | While creating Minindn object in topology script, and running the script, always print out "Dummy key chain patch is installed in ndn-cxx. Security will be disabled." |                | 08/12/2020 02:48 PM |                  |
| 5121 | ndn-cxx    | Feature | Code review | Normal   | Reserve and enforce restriction for /localhost/identity namespace                                                                                                      | Alex Afanasyev | 09/17/2022 03:05 PM |                  |
| 5120 | NFD        | Feature | In Progress | Normal   | Increase responsiveness of ASF strategy in mobile network scenarios                                                                                                    | Alexander Lane | 05/25/2023 07:39 PM | ASF              |
| 5119 | ndn-tools  | Feature | New         | Normal   | Mechanism to learn if a given name prefix is registered with a remote NFD                                                                                              |                | 05/01/2022 04:41 PM | needs-discussion |
| 5113 | ndn-cxx    | Feature | New         | Normal   | Override certificate name parts in KeyLocator                                                                                                                          |                | 04/17/2022 09:44 AM | security         |
| 5111 | ndn-cxx    | Feature | New         | Normal   | ndnsec export/import: include multiple certificates in SafeBag                                                                                                         |                | 06/03/2020 09:54 AM | security         |
| 5107 | NLSR       | Task    | New         | Low      | Revisit NLSR log message                                                                                                                                               |                | 04/25/2020 02:23 PM |                  |
| 5101 | NDNSD      | Task    | New         | Normal   | NDNSD Design                                                                                                                                                           |                | 04/13/2020 09:13 PM |                  |
| 5099 | NDN-CCL    | Task    | New         | Normal   | NFD socket file moved to /run/nfd.sock on Linux                                                                                                                        |                | 04/08/2020 11:44 AM |                  |
| 5098 | ChronoSync | Bug     | New         | Normal   | LeafTests/LeafDigest fails on s390x                                                                                                                                    |                | 04/02/2020 01:14 PM |                  |
| 5097 | ndn-cxx    | Feature | New         | Low      | Distinguish DOWN and NO_CARRIER in NetworkMonitor for macOS                                                                                                            |                | 06/08/2020 05:41 PM | macOS            |
| 5094 | mini-ndn   | Task    | New         | Normal   | Document mini-ndn topologies                                                                                                                                           |                | 03/18/2020 08:36 AM |                  |
| 5092 | mini-ndn   | Task    | New         | Normal   | Pass net object to routing helper, and call net.stop() instead of exit() in case of errors                                                                             | Saurab Dulal   | 03/16/2020 09:20 PM |                  |
| 5091 | NFD        | Task    | New         | Low      | Switch NFD configuration file format                                                                                                                                   |                | 08/27/2020 07:14 PM | needs-discussion |
| 5089 | PSync      | Feature | Code review | Normal   | FullSync: add support for piggybacking app data                                                                                                                        | Tianxing Ma    | 01/02/2023 08:44 PM |                  |
| 5088 | ndnrtc     | Task    | New         | High     | NDNRTC support on Ubuntu 18.04                                                                                                                                         |                | 03/04/2020 12:44 PM |                  |
| 5084 | NLSR       | Task    | New         | Low      | Verify compatibility of NLSR Node with default PSync header compression versus nodes with other compression scheme.                                                    |                | 12/29/2020 07:01 PM |                  |
| 5073 | PSync      | Task    | New         | Normal   | If there is a jump in the sequence number, don't remove the old sequence from the IBF                                                                                  |                | 01/02/2023 08:43 PM |                  |
| 5072 | PSync      | Feature | New         | Normal   | Handle empty IBF                                                                                                                                                       |                | 01/02/2023 08:38 PM |                  |
| 5070 | NLSR       | Feature | New         | Normal   | Optionally compress the NLSR dataset                                                                                                                                   |                | 12/29/2020 07:04 PM |                  |
| 5068 | PSync      | Feature | New         | Normal   | Compress IBF and Hello/Sync Data in Partial sync by default                                                                                                            |                | 01/02/2023 08:37 PM |                  |
| 5067 | PSync      | Task    | New         | Normal   | Do not serve discovery hello/sync Interest from publisher cache                                                                                                        |                | 01/02/2023 08:36 PM |                  |
| 5063 | mini-ndn   | Task    | New         | Normal   | Define a code style for Mini-NDN and deploy a PyLint bot to comment on gerrit                                                                                          |                | 09/13/2020 11:54 AM |                  |
| 5060 | NFD        | Feature | New         | Normal   | Congestion Detection: Monitor size of PIT vs. available memory                                                                                                         |                | 12/08/2023 07:18 PM | needs-discussion |

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|------|--------------------|---------|-------------|----------|-------------------------------------------------------------------------------------|----------------|---------------------|---------------------------|
| 5059 | NFD                | Feature | New         | Normal   | Congestion Detection: Monitor NIC incoming buffer queue                             |                | 12/08/2023 07:16 PM | needs-discussion          |
| 5047 | NFD                | Bug     | New         | Normal   | Router should reject /localhost prefix registration                                 |                | 06/12/2021 11:47 AM |                           |
| 5046 | NFD                | Feature | New         | Normal   | Multicast strategy should send an Interest on Duplicate NACK w/ a different Nonce   |                | 06/12/2020 09:14 AM |                           |
| 5038 | NFD                | Feature | New         | Low      | Put netstat -s output on NFD status page                                            |                | 08/24/2023 08:40 PM |                           |
| 5034 | ndn-tools          | Feature | Code review | Normal   | ndncatchchunks: enhanced tracing                                                    |                | 10/26/2019 09:58 PM |                           |
| 5031 | NFD                | Feature | New         | Normal   | Make NFD work out of the box                                                        |                | 12/01/2023 06:56 PM | self-learning             |
| 5029 | NFD                | Feature | New         | Normal   | Self-learning forwarding strategy v2                                                |                | 12/01/2023 06:58 PM | self-learning             |
| 5028 | ndnSIM             | Feature | New         | Urgent   | Get the list of nodes and associated links inside fw/strategy.                      | Alex Afanasyev | 10/14/2019 11:06 AM |                           |
| 5026 | NFD                | Task    | New         | Normal   | Self-learning: unit testing                                                         |                | 12/01/2023 07:04 PM | self-learning, unit-tests |
| 5023 | NFD                | Feature | New         | Normal   | Self-learning: avoid sending duplicate packets to Faces over the same physical link |                | 12/01/2023 07:01 PM | self-learning             |
| 5019 | npchat             | Task    | New         | Normal   | Consider How to Share User Activity Status                                          |                | 10/10/2019 02:22 PM |                           |
| 5018 | NFD                | Bug     | New         | Normal   | Attach PrefixAnnouncement to Data if needed in afterContentStoreHit                 |                | 12/01/2023 06:58 PM | self-learning             |
| 5017 | PSync              | Feature | New         | Normal   | Set IBF size dynamically based on observation without requiring uniform IBF size    |                | 10/09/2019 11:23 AM |                           |
| 5007 | ndn-cxx            | Feature | New         | Normal   | CertificateBundle fetcher                                                           |                | 12/01/2023 08:25 PM | CertificateBundle         |
| 5006 | ndn-cxx            | Feature | New         | Normal   | CertificateBundle producer                                                          |                | 12/01/2023 08:23 PM | CertificateBundle         |
| 5005 | ndn-cxx            | Feature | New         | Normal   | CertificateBundle publisher                                                         |                | 12/01/2023 08:24 PM | CertificateBundle         |
| 5004 | ndn-cxx            | Feature | In Progress | Normal   | CertificateBundle encoding and decoding                                             |                | 12/01/2023 08:22 PM | CertificateBundle         |
| 5002 | ndnSIM             | Bug     | New         | Normal   | topologyReader.ApplyOspfMetric() doesn't work unless ndn::StackHelper is installed  |                | 09/18/2019 01:54 PM |                           |
| 5000 | NDN Specifications | Feature | New         | Normal   | ForwardingHint protocol specification                                               | Lixia Zhang    | 05/03/2020 07:55 AM |                           |
| 4999 | NDN-CCL            | Bug     | New         | Normal   | CI documentation build relies on Python 2                                           |                | 10/03/2019 07:21 PM |                           |
| 4996 | npchat             | Task    | New         | Normal   | Improve Multicast Discovery                                                         |                | 09/02/2019 08:55 AM |                           |
| 4995 | npchat             | Task    | New         | Normal   | Investigate University Network Support                                              |                | 09/02/2019 08:54 AM |                           |
| 4994 | npchat             | Task    | New         | Normal   | Use Discovery Protocols With Wifi Direct                                            |                | 09/02/2019 08:16 AM |                           |
| 4993 | npchat             | Task    | New         | Normal   | Display Information About Friendship Process On Screen                              |                | 09/02/2019 08:14 AM |                           |
| 4991 | npchat             | Task    | New         | Normal   | Register One Route Instead of Multiple                                              |                | 08/30/2019 01:37 PM |                           |
| 4988 | NDN-CCL            | Feature | New         | High     | Encode Interests to PacketFormat03                                                  |                | 10/04/2019 12:56 PM | Packet03Transition        |
| 4987 | PSync              | Task    | New         | Normal   | Full consumer in PSync                                                              |                | 08/29/2019 11:20 AM |                           |
| 4986 | npchat             | Task    | New         | Normal   | Allow User to Choose Whether or Fetch Old Files from New Friend                     |                | 08/29/2019 08:10 AM |                           |
| 4977 | ndncert            | Feature | New         | Normal   | ndncert-client: non-interactive mode                                                |                | 09/10/2019 11:28 AM |                           |
| 4976 | ndncert            | Task    | New         | Low      | Add unit tests for command line tools                                               |                | 11/22/2021 11:57 PM |                           |

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|------|-------------|---------|-------------|----------|-----------------------------------------------------------------------------------------------|------------------|---------------------|----------------------------------------------------------|
| 4973 | NFD         | Feature | New         | Normal   | Self-learning: switch from multicast to unicast on Wi-Fi infrastructure                       |                  | 12/01/2023 06:55 PM | self-learning                                            |
| 4972 | NFD         | Task    | New         | Normal   | Migrate WebSocket face to Boost.Beast                                                         |                  | 07/27/2019 12:11 PM |                                                          |
| 4971 | NLSR        | Bug     | New         | Normal   | Handle uncaught throw statements in NLSR tiv code                                             | Saurab Dulal     | 12/30/2020 10:06 AM |                                                          |
| 4963 | npchat      | Task    | New         | Normal   | Properly handle receiving multiple images from the same friend                                |                  | 06/30/2019 10:46 AM |                                                          |
| 4959 | ndn-cxx     | Bug     | New         | Normal   | operator<<(std::ostream&, const Data&) may throw                                              | Davide Pesavento | 09/17/2022 03:03 PM |                                                          |
| 4958 | NFD         | Feature | New         | Normal   | Implicitly determine remote LpReliability support                                             |                  | 08/26/2020 04:34 PM | needs-discussion                                         |
| 4956 | npchat      | Task    | New         | Normal   | Create Groups                                                                                 | Jeremy Clark     | 07/03/2019 01:18 PM |                                                          |
| 4953 | npchat      | Task    | New         | Normal   | Dynamically Load Large File Data                                                              | Jeremy Clark     | 06/07/2019 02:51 PM |                                                          |
| 4952 | mini-ndn    | Task    | New         | High     | Minindn nodes have no their separated namespaces                                              |                  | 06/08/2019 11:16 AM | minindn-simulator,<br>environment variable,<br>namespace |
| 4948 | NFD-android | Bug     | New         | Normal   | Multiple screen overlapping after rotating the phone                                          |                  | 09/01/2019 09:02 PM |                                                          |
| 4944 | repo-ng     | Bug     | New         | High     | ndnputfile does not work                                                                      |                  | 10/07/2023 08:49 PM |                                                          |
| 4943 | NFD         | Feature | New         | Normal   | CsMgmt: retrieve and change cache policy                                                      |                  | 05/25/2019 03:54 PM |                                                          |
| 4942 | NFD         | Feature | New         | Normal   | Priority FIFO policy: adopt entries from another policy                                       |                  | 05/25/2019 03:45 PM |                                                          |
| 4941 | NFD         | Feature | New         | Normal   | LRU policy: adopt entries from another policy                                                 |                  | 05/25/2019 03:42 PM |                                                          |
| 4940 | NFD         | Feature | New         | Normal   | Runtime cache policy change                                                                   |                  | 05/25/2019 03:39 PM |                                                          |
| 4938 | npchat      | Task    | New         | Normal   | Fix Share File Button                                                                         | Jeremy Clark     | 05/21/2019 09:13 AM |                                                          |
| 4937 | npchat      | Task    | New         | Normal   | Update Android Identity Manager                                                               | Ritik kumar      | 06/06/2019 10:13 AM |                                                          |
| 4936 | npchat      | Task    | New         | Normal   | Connect to NDN Testbed                                                                        | Jeremy Clark     | 05/21/2019 09:09 AM |                                                          |
| 4933 | npchat      | Task    | New         | Normal   | Testbed Hierarchical Rules Schema                                                             | Ashlesh Gawande  | 05/21/2019 08:49 AM |                                                          |
| 4921 | NLSR        | Feature | New         | Normal   | Change LSA prefix to /localhop/network/site/router/NLSR/LSA/Isa-type/                         |                  | 12/29/2020 07:04 PM |                                                          |
| 4920 | NLSR        | Task    | New         | Normal   | Set best-route strategy for LSAs                                                              |                  | 04/21/2019 04:50 PM |                                                          |
| 4919 | NLSR        | Bug     | New         | Normal   | Schedule hello interest after FACE_EVENT_CREATED is received                                  |                  | 04/21/2019 04:40 PM |                                                          |
| 4915 | NFD         | Feature | New         | Normal   | ASF should check PIT entry for other un-NACK'd inrecord nonces after receiving duplicate NACK |                  | 02/02/2024 11:05 PM | ASF                                                      |
| 4911 | PSync       | Task    | In Progress | Low      | IBLT::listEntries should initially clear the result sets                                      | Junxiao Shi      | 01/19/2024 12:50 PM |                                                          |
| 4910 | NLSR        | Task    | New         | Normal   | Suppress sub-prefix of a hub's prefix advertised by NFD                                       | Saurab Dulal     | 01/14/2022 09:20 PM |                                                          |
| 4903 | NFD         | Feature | New         | Normal   | ASF strategy should try alternative paths (if available) if a NACK is received                |                  | 02/02/2024 11:06 PM | ASF                                                      |
| 4902 | NFD         | Feature | New         | Low      | Better logging when Interest & Data don't match                                               |                  | 12/01/2023 08:34 PM | logging                                                  |
| 4899 | PSync       | Task    | New         | Normal   | Add guideline document for setting sync lifetime                                              |                  | 03/29/2019 02:04 PM |                                                          |
| 4893 | ndn-tools   | Feature | New         | Normal   | ndncatchunks: have Consumer use ValidatorConfig                                               |                  | 12/01/2023 08:43 PM | ValidatorConfig                                          |

| #    | Project     | Tracker | Status      | Priority | Subject                                                                                               | Assignee     | Updated             | Tags             |
|------|-------------|---------|-------------|----------|-------------------------------------------------------------------------------------------------------|--------------|---------------------|------------------|
| 4888 | npchat      | Feature | Code review | Normal   | Use jNDN SegmentFetcher with AIMD pipelining to fetch the photos/files                                | Ritik kumar  | 07/01/2019 02:07 PM |                  |
| 4886 | NFD         | Feature | New         | Normal   | ASF strategy should give the same probing probability to next hops that have the same rank (cost)     |              | 02/02/2024 11:08 PM | ASF              |
| 4882 | ndn-cxx     | Task    | New         | Normal   | Improve "NDN Regular Expression" documentation                                                        |              | 02/20/2024 02:54 AM | documentation    |
| 4880 | ndn-cxx     | Task    | New         | Normal   | Add randomness to exponential retry on Nack in CertificateFetcherFromNetwork                          |              | 02/12/2021 10:57 AM |                  |
| 4878 | mini-ndn    | Feature | New         | Normal   | Run NLSR experiments with ASF strategy set on /                                                       | Saurab Dulal | 12/19/2021 01:02 PM |                  |
| 4873 | jndn        | Task    | New         | Normal   | [Android] Incorrect PibImpl when creating KeyChain with pib-sqlite3 pib-locator                       |              | 03/19/2019 03:13 PM |                  |
| 4871 | NFD         | Feature | Feedback    | Normal   | autoconfig: try multiple routers from NDN-FCH                                                         |              | 12/01/2023 06:54 PM | needs-discussion |
| 4870 | NFD-android | Bug     | New         | Normal   | Persistent notification is posted when NFD is not running                                             |              | 08/24/2023 08:44 PM |                  |
| 4868 | NLSR        | Feature | New         | Normal   | Insert the keys and LSA into a local repo so other router's can retrieve independent of cache or nlsr |              | 12/29/2020 07:04 PM |                  |
| 4867 | PSync       | Task    | New         | Normal   | FullSync: Investigate sending positive set difference during recovery instead of entire dataset       |              | 01/02/2023 08:35 PM |                  |
| 4866 | ndn-tools   | Bug     | New         | Normal   | ndnputchunks consumes a large amount of RAM                                                           |              | 01/27/2020 02:45 PM |                  |
| 4864 | PSync       | Feature | New         | Normal   | Consumer send hello and sync interest automatically                                                   |              | 01/02/2023 08:45 PM |                  |
| 4863 | PSync       | Feature | New         | Normal   | Modify Consumer to support syncing with multiple producers                                            |              | 01/02/2023 08:45 PM |                  |
| 4859 | ndn-cxx     | Bug     | New         | Low      | libndn-cxx.pc installed in wrong location on FreeBSD                                                  |              | 10/31/2023 11:57 PM | FreeBSD          |
| 4857 | NFD         | Feature | New         | Normal   | Discover other NFD nodes on WiFi network using ARP                                                    |              | 08/26/2020 04:35 PM | needs-discussion |
| 4851 | ndn-tools   | Feature | Code review | Normal   | chunks: integrate NAC                                                                                 |              | 02/20/2024 02:55 AM |                  |
| 4850 | PSync       | Task    | New         | Normal   | Look into providing a lower layer service for syncing arbitrary names                                 |              | 02/20/2019 11:32 AM |                  |
| 4847 | PSync       | Feature | New         | Normal   | Call addUserNode if prefix not present in publishName                                                 |              | 01/02/2023 08:45 PM |                  |
| 4845 | NLSR        | Task    | New         | Normal   | Separate nlsr.conf file for test in home directory                                                    | Saurab Dulal | 03/17/2021 02:02 PM |                  |
| 4839 | NLSR        | Task    | New         | Normal   | Move setInfoInterestFilter and setLsaInterestFilter to their respective classes                       | Saurab Dulal | 12/29/2020 07:00 PM |                  |
| 4836 | PSync       | Task    | New         | Low      | Throwing exception in ProducerBase::onRegisterFailed has no effect                                    |              | 02/14/2019 11:25 AM |                  |
| 4829 | NFD         | Feature | New         | Normal   | Improve performance with TCMalloc                                                                     |              | 06/30/2019 09:43 PM |                  |
| 4828 | NFD-android | Bug     | New         | Normal   | Wifi Direct Will Not Reconnect After nfd-restart Using Button Inside NFD-android                      |              | 02/02/2019 11:22 AM |                  |
| 4822 | PSync       | Task    | Resolved    | Normal   | Investigate (PartialProducer + Consumer) as a replacement of FullProducer                             |              | 01/30/2019 02:26 PM |                  |
| 4820 | ndn-tools   | Feature | New         | Normal   | Wireshark dissector: follow TCP stream                                                                |              | 01/28/2019 10:29 AM |                  |
| 4818 | PSync       | Bug     | Code review | Normal   | murmurHash3 of uint32_t is not endian safe                                                            | Junxiao Shi  | 01/02/2023 08:38 PM |                  |
| 4803 | NLSR        | Task    | New         | Normal   | Abstract segment fetcher functionality in separate LSA fetcher class                                  |              | 05/31/2020 10:04 AM |                  |

| #    | Project                 | Tracker | Status      | Priority | Subject                                                                                                            | Assignee         | Updated             | Tags                                |
|------|-------------------------|---------|-------------|----------|--------------------------------------------------------------------------------------------------------------------|------------------|---------------------|-------------------------------------|
| 4801 | mini-ndn                | Task    | New         | Normal   | Add documentation to show NLSR setup with switches in topology                                                     |                  | 01/07/2019 10:25 AM |                                     |
| 4798 | ndn-tools               | Bug     | New         | Low      | Dump/TestNdnDump/MalformedIpv4Header fails on FreeBSD 11.2                                                         |                  | 10/31/2023 11:57 PM | FreeBSD                             |
| 4795 | Consumer / Producer API | Task    | New         | High     | Consumer/Producer API Build Failure                                                                                |                  | 12/18/2018 01:36 AM | Consumer Producer API, build, error |
| 4794 | PSync                   | Task    | New         | Normal   | Look into using ApplicationParameters instead of Name for the IBF                                                  |                  | 01/09/2022 12:41 PM |                                     |
| 4792 | mini-ndn                | Bug     | New         | Normal   | NFDC does not work when ran through popen                                                                          |                  | 06/19/2019 04:34 AM |                                     |
| 4781 | NFD                     | Feature | New         | Low      | Add Adaptive Replacement Cache (ARC) algorithm                                                                     |                  | 09/01/2023 02:33 AM |                                     |
| 4776 | ndn-cxx                 | Feature | New         | Normal   | Re-design SegmentFetcher                                                                                           |                  | 08/26/2020 04:36 PM | API, needs-discussion               |
| 4773 | NFD                     | Feature | New         | Normal   | Detect up/down status of point-to-point links by BFD                                                               |                  | 08/26/2020 04:36 PM | needs-discussion                    |
| 4772 | PSync                   | Task    | New         | Normal   | Update our IBF when we detect future hash and renew sync interest                                                  |                  | 01/02/2023 08:35 PM |                                     |
| 4765 | NFD-android             | Feature | New         | Normal   | ndnping server                                                                                                     |                  | 09/01/2023 02:35 AM |                                     |
| 4762 | NFD                     | Feature | New         | Normal   | Add a new UnsolicitedDataPolicy that admits unsolicited data by prefix                                             |                  | 01/11/2022 02:45 PM |                                     |
| 4754 | ndn-cxx                 | Task    | New         | Low      | tpm::BackEndOsx uses deprecated macOS functions                                                                    |                  | 07/19/2022 02:26 PM | code-cleanup, security, macOS       |
| 4738 | ndnSIM                  | Task    | New         | Normal   | Make ndnSIM compatible with base NS-3 and publish on <a href="https://apps.nsnam.org/">https://apps.nsnam.org/</a> |                  | 03/28/2019 06:26 PM |                                     |
| 4733 | ndnSIM                  | Task    | New         | Normal   | Update face metric based on link latency                                                                           | Chavoosh Ghasemi | 09/12/2018 03:04 PM |                                     |
| 4731 | NFD                     | Task    | Feedback    | Low      | RIB: deduplicate RibManager::FaceIdSet and Rib::FaceLookupTable                                                    |                  | 04/03/2021 01:14 AM | code-cleanup                        |
| 4724 | NFD                     | Feature | New         | Normal   | Configuration reload in RIB                                                                                        |                  | 08/27/2018 09:50 AM |                                     |
| 4715 | NAC                     | Task    | New         | Normal   | In addMember, limit the secret bytes to 1 through 127                                                              |                  | 08/17/2018 04:59 PM |                                     |
| 4711 | mini-ndn                | Feature | New         | Normal   | Check for duplicate hyperbolic coordinates while parsing topology file                                             | Saurab Dulal     | 08/15/2018 10:24 AM |                                     |
| 4708 | NFD                     | Feature | New         | Normal   | UDP faces: support toggling v4 and v6 multicast independently                                                      |                  | 08/27/2019 08:43 PM |                                     |
| 4700 | NFD                     | Feature | New         | Normal   | Strategy API: trigger strategy upon face state change                                                              |                  | 10/19/2019 12:13 PM |                                     |
| 4699 | ndn-cxx                 | Feature | New         | Normal   | Dispatcher: use SegmentPublisher in StatusDatasetContext                                                           |                  | 08/07/2018 02:00 PM |                                     |
| 4696 | ndn-cxx                 | Feature | New         | High     | SegmentPublisher: segmentation utility                                                                             |                  | 11/04/2022 08:50 PM | API                                 |
| 4695 | ndn-tools               | Feature | New         | Normal   | ndndump: display Ethernet addresses                                                                                |                  | 08/05/2018 02:59 PM |                                     |
| 4680 | PSync                   | Feature | New         | Normal   | Handle recovery for application                                                                                    |                  | 07/24/2018 09:04 AM |                                     |
| 4678 | NAC                     | Task    | New         | Normal   | Use onFailure instead of BOOST_THROW_EXCEPTION in Decryptor::doDecrypt?                                            |                  | 07/23/2018 01:56 PM |                                     |
| 4677 | PSync                   | Feature | New         | Normal   | Add simpler way for consumer to subscribe to full data set                                                         |                  | 01/02/2023 08:44 PM |                                     |
| 4666 | NDN Specifications      | Feature | New         | Normal   | Namespace catalog protocol                                                                                         |                  | 08/26/2020 04:37 PM | needs-discussion                    |
| 4659 | PSync                   | Task    | Code review | Normal   | Look into using newer and better hash function                                                                     | Junxiao Shi      | 01/02/2023 08:35 PM |                                     |
| 4655 | NDN-CCL                 | Task    | In Progress | Normal   | Port new name-based access control library                                                                         |                  | 11/07/2018 12:05 PM |                                     |
| 4654 | repo-ng                 | Bug     | New         | Low      | Small typos in Repo Deletion Protocol Wiki Page                                                                    |                  | 07/07/2018 08:17 AM |                                     |



| #    | Project                 | Tracker | Status      | Priority | Subject                                                                          | Assignee         | Updated             | Tags               |
|------|-------------------------|---------|-------------|----------|----------------------------------------------------------------------------------|------------------|---------------------|--------------------|
| 4653 | NAC                     | Task    | New         | Normal   | Should the new code be hard-wired to AES_CBC?                                    |                  | 07/06/2018 01:40 PM |                    |
| 4652 | jndn                    | Feature | New         | Normal   | Include PrefixAnnouncement in prefix registration commands                       |                  | 07/05/2018 08:53 AM |                    |
| 4651 | NFD                     | Feature | New         | Normal   | Prefix propagation: use stored PrefixAnnouncement                                |                  | 07/05/2018 08:48 AM |                    |
| 4650 | NFD                     | Feature | Feedback    | Normal   | Accept and store PrefixAnnouncement in rib/announce command                      |                  | 08/19/2023 01:55 AM |                    |
| 4648 | NFD-android             | Bug     | New         | Normal   | Prefix propagation does not work with app-owned certificate                      |                  | 07/05/2018 08:07 AM |                    |
| 4644 | mini-ndn                | Bug     | New         | Normal   | Mini-NDN checks for nlsr dependency with --no-nlsr option                        |                  | 06/27/2018 09:42 AM |                    |
| 4638 | mini-ndn                | Task    | In Progress | Normal   | Allow manual specification of experiment module in ExperimentManager             | Alexander Lane   | 06/20/2018 09:39 AM | mininet-wifi       |
| 4637 | ndn-tools               | Task    | New         | Normal   | ndncatchunks: use SegmentFetcher                                                 |                  | 06/07/2020 10:31 AM | code-cleanup       |
| 4634 | repo-ng                 | Feature | In Progress | Normal   | Forwarding hint support                                                          | weijia yuan      | 05/15/2019 03:14 PM |                    |
| 4625 | mini-ndn                | Feature | In Progress | Normal   | Add support for the tshark NDN dissector                                         | Alexander Lane   | 06/29/2018 08:50 AM |                    |
| 4620 | NLSR                    | Task    | New         | Normal   | Update NLSR Developer's guide to reflect re-built LSDB.                          |                  | 05/25/2018 09:40 AM |                    |
| 4619 | mini-ndn                | Task    | New         | Normal   | Factor mininet into import calls                                                 |                  | 05/23/2018 12:02 PM |                    |
| 4617 | mini-ndn                | Task    | New         | Normal   | Test SUMO capabilities                                                           |                  | 05/21/2018 10:36 AM | wifi               |
| 4616 | mini-ndn                | Task    | New         | Normal   | Test VANET capabilities                                                          |                  | 05/21/2018 10:15 AM | wifi               |
| 4613 | mini-ndn                | Task    | New         | Normal   | Move from scripting NFDC to directly interfacing with NFD Management             |                  | 05/18/2018 10:42 AM |                    |
| 4608 | ndnSIM                  | Task    | New         | Normal   | Remove "old" content store                                                       |                  | 05/08/2018 11:56 AM |                    |
| 4600 | NFD                     | Feature | New         | Normal   | Redesign NFD Management protocol to use ApplicationParameters                    |                  | 08/26/2020 04:38 PM | needs-discussion   |
| 4597 | Consumer / Producer API | Task    | New         | Normal   | Howto fix it ?                                                                   |                  | 04/29/2018 06:46 AM |                    |
| 4594 | Packaging               | Task    | In Progress | Normal   | systemd service files dependency corrections for nfd and associated daemons      | Davide Pesavento | 12/14/2023 02:21 AM | systemd            |
| 4590 | ndn-tools               | Feature | Feedback    | Normal   | dissect: recognize NDNLP and Packet Format 0.3 elements                          |                  | 10/10/2019 09:25 AM | Packet03Transition |
| 4574 | NFD                     | Bug     | New         | Normal   | Dysfunctional test cases in Face/TestTcpFactory                                  | Alex Afanasyev   | 12/13/2022 02:55 AM | unit-tests         |
| 4572 | NFD                     | Feature | New         | Normal   | nfdc route add: support local+remote FaceUri matching to identify nexthop face   |                  | 06/09/2021 02:12 PM |                    |
| 4569 | ndn-cxx                 | Bug     | In Progress | Normal   | Default-constructed MetaInfo does not equal MetaInfo decoded with default values | Davide Pesavento | 08/25/2019 08:16 PM |                    |
| 4561 | NLSR                    | Task    | New         | Normal   | Add unit test for checking the published contents                                |                  | 03/28/2018 03:13 PM |                    |
| 4557 | ndnSIM                  | Task    | Feedback    | Normal   | Upgrade base NS-3 to just released ns-3.28                                       | Alex Afanasyev   | 05/08/2018 11:02 AM |                    |
| 4554 | Packaging               | Bug     | New         | Normal   | ndn-autoconfig-client: prefix registration failure                               |                  | 03/23/2018 09:04 PM |                    |
| 4550 | ndn-cxx                 | Feature | New         | Normal   | Improve AES support in security::transform                                       |                  | 01/13/2022 08:00 PM | security, API      |
| 4549 | NLSR                    | Bug     | New         | Normal   | NLSR currently segments LSAs very conservatively                                 |                  | 08/14/2023 11:05 AM |                    |
| 4541 | NLSR                    | Feature | New         | Normal   | Propagate Strategy choice for a prefix through routing                           |                  | 03/07/2018 02:43 PM |                    |

| #    | Project          | Tracker | Status      | Priority | Subject                                                                                      | Assignee         | Updated             | Tags               |
|------|------------------|---------|-------------|----------|----------------------------------------------------------------------------------------------|------------------|---------------------|--------------------|
| 4539 | NFD              | Task    | New         | Normal   | Management: collect all TLV-TYPE number assignments on the same page                         |                  | 08/27/2019 08:39 PM |                    |
| 4537 | ndn-cxx          | Bug     | New         | Normal   | Validator doesn't properly handle exceptions from the callbacks                              |                  | 03/05/2018 08:19 PM |                    |
| 4536 | mini-ndn         | Feature | In Progress | Normal   | Allow NLSR bot to test NLSR against release versions of ndn-cxx, NFD                         | Alexander Lane   | 05/30/2018 02:05 PM |                    |
| 4533 | Packaging        | Feature | Feedback    | Normal   | nfd-status-http-server: run as non-root                                                      |                  | 12/14/2023 02:25 AM | systemd            |
| 4531 | NFD              | Bug     | New         | Low      | NAME section is missing in HTML manpages                                                     |                  | 01/22/2023 10:19 PM |                    |
| 4530 | NFD              | Feature | In Progress | Normal   | More efficient communication between threads                                                 | Davide Pesavento | 08/27/2019 08:43 PM |                    |
| 4529 | NFD              | Feature | New         | Normal   | Merge NFD-RIB into management thread                                                         |                  | 03/02/2018 03:25 PM |                    |
| 4528 | NFD              | Feature | In Progress | Normal   | Management thread                                                                            | Davide Pesavento | 09/12/2020 02:25 PM |                    |
| 4525 | ChronoSync       | Bug     | New         | Normal   | Destructing a ChronoSync socket object shuts down the face                                   |                  | 03/02/2018 10:33 AM |                    |
| 4523 | repo-ng          | Task    | New         | Normal   | Add Sync support for repo                                                                    | weijia yuan      | 11/15/2018 02:29 PM |                    |
| 4518 | ndn-tools        | Feature | New         | Normal   | Wireshark dissector: don't interpret name components as elements denoted by TLV-TYPE         |                  | 04/23/2020 01:11 PM | Packet03Transition |
| 4512 | NLSR             | Task    | New         | Normal   | Add unit tests for checking the contents of sync data on the wire                            |                  | 02/19/2018 08:26 PM |                    |
| 4505 | NFD              | Feature | New         | Normal   | nfdc: TAB completion for command names                                                       |                  | 02/14/2018 05:49 PM |                    |
| 4500 | NFD              | Feature | New         | Normal   | Improve congestion detection/marketing algorithm                                             |                  | 08/26/2020 04:44 PM | needs-discussion   |
| 4499 | NFD              | Bug     | New         | Low      | Unbounded queuing in StreamTransport                                                         |                  | 08/26/2020 04:44 PM | needs-discussion   |
| 4495 | ChronoSync       | Bug     | New         | Normal   | Strange buffer overflow / random crash of chronosync::Socket related to ndn::InMemoryStorage |                  | 02/11/2018 07:46 PM |                    |
| 4494 | ICE-AR Prototype | Task    | New         | Normal   | explore the use of RxAdnroidBLE for beaconing                                                |                  | 02/08/2018 09:54 AM |                    |
| 4493 | ICE-AR Prototype | Task    | New         | High     | BLE agent for NFD-android                                                                    | Edward Lu        | 02/08/2018 09:59 AM | CS217              |
| 4492 | NFD              | Task    | New         | Normal   | nfdc XML report and nfd-status-http-server test case                                         |                  | 01/14/2022 09:33 PM | unit-tests         |
| 4491 | ICE-AR Prototype | Task    | New         | High     | sample client for bluetooth beaconing                                                        | Grant Weaver     | 02/08/2018 09:56 AM | ENGR 299           |
| 4486 | ndn-sci          | Task    | New         | Normal   | NDN Performance evaluation for scientific data - request for comments                        |                  | 02/02/2018 03:04 PM |                    |
| 4481 | mini-ndn         | Bug     | New         | Normal   | Investigate creating /ndn in user's home folder instead of /tmp                              |                  | 01/30/2018 12:42 PM |                    |
| 4477 | NFD              | Feature | New         | Normal   | Support configuring LpReliability options                                                    |                  | 01/25/2018 02:28 PM |                    |
| 4472 | NLSR             | Task    | In Progress | Normal   | Improve const-ness in codebase.                                                              | Ryan Wickman     | 05/31/2020 10:06 AM |                    |
| 4467 | NFD              | Feature | New         | Normal   | Export GenericLinkService counters                                                           |                  | 11/04/2022 09:06 PM |                    |
| 4461 | ICE-AR Prototype | Task    | New         | Normal   | Design and configure three-site testbed                                                      | Yanbiao Li       | 01/18/2018 01:25 PM |                    |
| 4460 | ICE-AR Prototype | Task    | New         | Normal   | Design, then implement and deploy acceleration-as-a-service protocol for one edge module     | Jessie Xu        | 02/08/2018 11:04 AM |                    |
| 4459 | ICE-AR Prototype | Task    | New         | Normal   | Implement and deploy authentication and access control using NMSU design                     |                  | 01/11/2018 09:03 PM |                    |

| #    | Project          | Tracker | Status      | Priority | Subject                                                                                                          | Assignee           | Updated             | Tags             |
|------|------------------|---------|-------------|----------|------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|------------------|
| 4458 | ICE-AR Prototype | Task    | New         | Normal   | Incorporate bluetooth beacon reading into NFD-andorid                                                            | Yanbiao Li         | 02/08/2018 09:50 AM |                  |
| 4457 | ICE-AR Prototype | Task    | New         | Normal   | develop repo-sync for content publishing and retrieval                                                           | Haitao Zhang       | 01/21/2018 10:06 PM | CS217            |
| 4447 | NFD              | Feature | New         | Normal   | Provide measurements dataset for ASF strategy                                                                    |                    | 01/09/2018 12:18 PM |                  |
| 4446 | NFD              | Feature | New         | Normal   | Measurements query operation                                                                                     |                    | 02/21/2018 08:56 PM |                  |
| 4436 | mini-ndn         | Feature | Code review | Normal   | Provide API to run ndndump on nodes                                                                              | Alexander Lane     | 09/13/2020 11:56 AM |                  |
| 4424 | NLSR             | Task    | New         | Normal   | Investigate solutions to fetch keys reliably when DirectFetch fails to fetch a key from neighbors' content store |                    | 12/29/2020 07:00 PM |                  |
| 4408 | NFD              | Bug     | New         | Normal   | NFD throughput using large chunk is low                                                                          |                    | 01/22/2018 03:34 PM |                  |
| 4400 | NFD              | Bug     | New         | Low      | EthernetFactory should destroy unusable channels                                                                 |                    | 10/07/2023 10:02 PM |                  |
| 4389 | NLSR             | Feature | New         | Normal   | General broadcast support                                                                                        |                    | 11/21/2017 11:17 AM |                  |
| 4387 | NFD              | Task    | New         | Low      | Use a real benchmarking library for benchmarks                                                                   |                    | 06/07/2020 10:32 AM | code-cleanup     |
| 4385 | mini-ndn         | Task    | Code review | Normal   | Make NLSR logs available online when the bot fails                                                               | Alexander Lane     | 05/30/2018 12:49 PM |                  |
| 4384 | NLSR             | Task    | New         | Normal   | Use loopback interest to serve own certificate                                                                   | Muktadir Chowdhury | 11/16/2017 10:48 AM |                  |
| 4381 | mini-ndn         | Task    | In Progress | Normal   | Investigate porting NFD integration tests to Mini-NDN environment                                                | Alexander Lane     | 12/04/2018 06:05 AM |                  |
| 4376 | repo-ng          | Bug     | New         | High     | ERROR: insert command failed with code 402                                                                       |                    | 11/02/2017 03:49 PM |                  |
| 4375 | repo-ng          | Bug     | New         | Normal   | Unrecognized 'registration-subset' option in 'tcp_bulk_insert' section in configuration file                     |                    | 11/06/2017 07:39 AM |                  |
| 4374 | repo-ng          | Task    | New         | High     | Can't insert segmented data                                                                                      |                    | 11/01/2017 09:33 AM |                  |
| 4373 | NLSR             | Task    | New         | Normal   | Refactor ndnSIM port to use the NLSR statistics system.                                                          |                    | 10/31/2017 01:35 PM |                  |
| 4372 | NLSR             | Task    | Feedback    | Normal   | NLSR should be compatible with ndnSIM.                                                                           |                    | 04/10/2019 09:49 AM |                  |
| 4371 | ndnSIM           | Task    | New         | Normal   | Make use of HAVE_NDN_CXX_CUSTOM_LOGGER (ndn-cxx)                                                                 |                    | 05/08/2018 10:49 AM |                  |
| 4366 | mini-ndn         | Feature | In Progress | Normal   | Add Wifi capability using Mininet-Wifi                                                                           | Alexander Lane     | 08/12/2019 11:38 AM |                  |
| 4363 | NFD              | Feature | New         | Normal   | Adjust Multipath Forwarding Strategy based on Congestion Marks                                                   |                    | 12/08/2023 07:20 PM | needs-discussion |
| 4356 | repo-ng          | Bug     | New         | Normal   | Unrecognized 'registration-subset' option                                                                        |                    | 10/24/2017 11:17 AM |                  |
| 4353 | NLSR             | Task    | In Progress | Normal   | Improve LSA class hierarchy and related methods.                                                                 |                    | 11/03/2017 01:27 PM |                  |
| 4350 | ndn-cxx          | Feature | New         | Normal   | Combine the direct fetch and key bundle                                                                          |                    | 10/19/2017 10:47 AM |                  |
| 4348 | ndncert          | Task    | New         | Normal   | Get rid of the long term storage assumption from NDN CERT CA design                                              |                    | 03/15/2018 03:02 AM |                  |
| 4346 | ndncert          | Feature | New         | Normal   | Need trust anchor storage support from ndn-cxx                                                                   |                    | 10/18/2017 12:37 PM |                  |
| 4344 | ndns             | Task    | New         | High     | NsCache in IterativeQueryController Need to check FreshnessPeriod before using cached data                       |                    | 10/17/2017 06:53 AM |                  |
| 4343 | NFD              | Feature | New         | Normal   | ASF strategy should isolate timed-out or NACK'd interests into separate namespaces                               |                    | 07/28/2023 10:20 PM | ASF              |
| 4342 | ndn-cxx          | Feature | New         | Low      | KeyChain helpers                                                                                                 |                    | 06/29/2020 11:45 PM | security, API    |

| #    | Project  | Tracker | Status      | Priority | Subject                                                                       | Assignee         | Updated             | Tags          |
|------|----------|---------|-------------|----------|-------------------------------------------------------------------------------|------------------|---------------------|---------------|
| 4338 | mini-ndn | Task    | New         | Normal   | Use persistent face instead of permanent face for NLSR in Mini-NDN            |                  | 10/20/2017 10:51 AM |               |
| 4330 | mini-ndn | Feature | New         | Normal   | Specifying per-node delays at topology setup                                  |                  | 12/21/2017 04:28 PM |               |
| 4329 | mini-ndn | Feature | New         | Normal   | Support per-node, arbitrary actions at different points during an experiment. |                  | 12/21/2017 04:29 PM |               |
| 4324 | ndn-cxx  | Feature | In Progress | Normal   | FaceUri: per-scheme parsing                                                   | Davide Pesavento | 12/29/2023 06:06 PM |               |
| 4320 | ndnSIM   | Task    | New         | Normal   | assign custom colors, description on NDN based nodes                          |                  | 05/08/2018 10:50 AM |               |
| 4317 | NFD      | Feature | New         | Normal   | Content Store enumeration                                                     |                  | 10/01/2017 09:26 PM |               |
| 4308 | mini-ndn | Task    | New         | Normal   | Look into using docker/docker containers                                      |                  | 01/14/2022 09:41 PM |               |
| 4298 | NFD      | Feature | New         | Normal   | Add some random jitter to probing interval in ASF strategy                    |                  | 02/02/2024 11:10 PM | ASF           |
| 4281 | NFD      | Feature | New         | Normal   | Develop self-learning for broadcast and ad hoc wireless faces                 |                  | 12/01/2023 07:00 PM | self-learning |
| 4272 | NLSR     | Task    | New         | Normal   | Implement validation of the interest from remote router and local host        |                  | 09/06/2017 08:09 AM |               |
| 4271 | NLSR     | Task    | New         | Normal   | Implement common TLV system.                                                  |                  | 09/05/2017 01:50 PM |               |
| 4270 | NLSR     | Task    | New         | Normal   | Write tests for the common TLV system.                                        |                  | 09/05/2017 01:48 PM |               |
| 4269 | NLSR     | Task    | New         | Normal   | Design common TLV system.                                                     |                  | 09/05/2017 01:50 PM |               |
| 4267 | NLSR     | Feature | New         | Normal   | Remove explicit TLV classes                                                   |                  | 09/05/2017 01:50 PM |               |
| 4253 | NLSR     | Task    | In Progress | Normal   | Unit tests should be more deterministic                                       |                  | 08/24/2017 10:58 AM |               |
| 4238 | NLSR     | Feature | New         | Normal   | Increase independence of RoutingTable.                                        |                  | 08/23/2017 02:48 PM |               |
| 4221 | ndn-cxx  | Feature | New         | Normal   | Relax decoding of out-of-order TLV sub-elements in NFD management protocol    |                  | 09/26/2018 02:47 PM |               |
| 4210 | NFD      | Bug     | New         | Low      | Documentation is not mobile friendly                                          |                  | 10/07/2023 09:57 PM | documentation |
| 4193 | NFD      | Feature | In Progress | Normal   | Make ASF strategy less sensitive to timeouts                                  |                  | 02/02/2024 11:08 PM | ASF           |
| 4192 | NLSR     | Feature | New         | Normal   | Secure launcher for NLSR                                                      |                  | 12/29/2020 07:03 PM | cri-yeartwo   |
| 4177 | NLSR     | Bug     | Feedback    | Normal   | Readvertise causes withdrawal of site prefix                                  | Nicholas Gordon  | 12/31/2020 10:22 AM |               |
| 4170 | NLSR     | Feature | New         | Normal   | Use ndn-cxx Dispatcher to satisfy LSA interests.                              | Laqin Fan        | 12/29/2020 07:03 PM |               |
| 4166 | NFD      | Feature | New         | Normal   | autoconfig: consider ad hoc wireless faces                                    |                  | 01/25/2018 02:09 PM |               |
| 4165 | NFD      | Bug     | New         | Normal   | autoconfig daemon mode: dampening mechanism may cause starvation              |                  | 07/05/2017 11:04 PM |               |
| 4157 | ndn-cxx  | Bug     | New         | Low      | ndnsec-export: confusing error message when getpass is unavailable            |                  | 06/15/2021 06:28 PM |               |
| 4153 | ndns     | Task    | New         | Normal   | Add Cache resolver for NDNS                                                   |                  | 06/25/2017 01:38 AM |               |
| 4151 | ndns     | Task    | New         | Normal   | Add certificate fetcher for both NDNS stored-certificate and NDNS certificate |                  | 06/25/2017 01:20 AM |               |
| 4148 | NFD      | Feature | New         | Normal   | Add Bluetooth RFCOMM face                                                     |                  | 01/23/2020 02:56 PM |               |
| 4145 | NFD      | Feature | New         | Normal   | NDN over Wi-Fi Direct for Linux                                               |                  | 04/25/2019 06:24 PM |               |
| 4142 | ndnSIM   | Task    | New         | High     | Addition of a new field to interest and data packet                           | Alex Afanasyev   | 05/08/2018 10:48 AM |               |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                      | Assignee           | Updated             | Tags        |
|------|----------------|---------|-------------|----------|------------------------------------------------------------------------------|--------------------|---------------------|-------------|
| 4141 | mini-ndn       | Task    | In Progress | Normal   | Develop some experiment/examples with common client libraries                | Damian Coomes      | 09/13/2020 11:54 AM |             |
| 4139 | NLSR           | Task    | New         | Normal   | Add explanation for the unit-tests                                           | Muktadir Chowdhury | 06/19/2017 10:40 AM |             |
| 4138 | NLSR           | Task    | New         | Normal   | Add Prefix Update Processor section nlsr doc                                 |                    | 06/19/2017 10:37 AM |             |
| 4129 | repo-ng        | Feature | New         | Normal   | Management Dispatcher for repo commands                                      | Muktadir Chowdhury | 10/27/2018 12:50 PM |             |
| 4127 | NLSR           | Task    | In Progress | Normal   | Rebuild the LSDB                                                             | Ashlesh Gawande    | 01/31/2021 09:34 AM |             |
| 4126 | NLSR           | Feature | New         | Normal   | NLSR Troubleshooting Documentation                                           |                    | 12/29/2020 07:03 PM | cri-yearone |
| 4115 | NFD            | Bug     | New         | Low      | FaceManager doesn't reject attempts to destroy "reserved" faces              |                    | 02/03/2018 09:02 PM |             |
| 4114 | mini-ndn       | Bug     | New         | Normal   | Minindredit writes the same hostname for each node without any error         |                    | 12/21/2017 04:32 PM |             |
| 4113 | NFD            | Feature | New         | Normal   | Use auto-detected "ad hoc" attribute to create faces                         |                    | 10/17/2017 01:23 PM |             |
| 4109 | NLSR           | Task    | Code review | Normal   | Replace NextHopList with a better container                                  | Laqin Fan          | 12/29/2020 06:58 PM |             |
| 4106 | NLSR           | Task    | New         | Low      | Move clobbering-check from Fib::update to Fib::scheduleEntryRefresh          |                    | 12/29/2020 06:58 PM |             |
| 4102 | NLSR           | Feature | New         | Normal   | Allow user to add or remove neighbors via nlsr                               | Saurab Dulal       | 12/29/2020 07:03 PM |             |
| 4100 | ndn-cxx        | Bug     | New         | Normal   | FaceUri::parse doesn't reject IPv4 addresses with v6 scheme (and vice versa) |                    | 08/28/2017 07:15 PM |             |
| 4084 | NLSR           | Feature | New         | Normal   | Hello Protocol over broadcast link                                           |                    | 01/02/2018 01:13 PM |             |
| 4083 | NLSR           | Feature | In Progress | Normal   | NLSR Statistics                                                              | Damian Coomes      | 12/29/2020 07:03 PM |             |
| 4078 | mini-ndn       | Task    | New         | Normal   | Use popen in ndn_application                                                 |                    | 06/07/2018 07:40 AM |             |
| 4069 | mini-ndn       | Task    | New         | Normal   | Investigate Mini-NDN topology link setup                                     |                    | 12/21/2017 04:07 PM |             |
| 4061 | named-data.net | Bug     | New         | Normal   | 500 error when pasting "Beer Mug Emoji"                                      |                    | 04/20/2017 10:59 AM |             |
| 4056 | NFD            | Feature | New         | Normal   | Allow strategy to choose delegation name from forwarding hint                |                    | 04/19/2017 04:50 PM |             |
| 4043 | ndncert        | Task    | New         | Normal   | Infinite size issue of CA's storage                                          |                    | 04/11/2017 03:21 PM |             |
| 4042 | ndncert        | Task    | New         | Normal   | Expand scope of PROBE to support more than namespace assignment              |                    | 06/02/2022 02:32 PM |             |
| 4040 | ndnSIM         | Task    | New         | Normal   | Example WiFi scenarios should disable NACK generation                        | Spyros Mastorakis  | 05/08/2018 10:56 AM |             |
| 4026 | NFD            | Feature | New         | Normal   | FaceSystem: use fine-grained signals from NetworkMonitor                     |                    | 10/17/2017 01:22 PM |             |
| 4022 | ndnSIM         | Task    | New         | Normal   | multicast strategy does not work in AnnotatedTopologyReader                  | Alex Afanasyev     | 05/08/2018 10:48 AM |             |
| 4020 | ndn-cxx        | Feature | In Progress | Normal   | "ad hoc" detection on Linux                                                  | Davide Pesavento   | 10/04/2018 08:33 PM |             |
| 4019 | ndn-cxx        | Feature | New         | Normal   | "ad hoc" detection on macOS                                                  |                    | 06/08/2020 05:43 PM | macOS       |
| 3999 | ndnSIM         | Feature | New         | Normal   | Give an example on how to create custom tags                                 |                    | 05/08/2018 10:55 AM |             |
| 3996 | NLSR           | Task    | New         | Normal   | Add Nack functionality (wherever needed) in expressInterestMethod()          |                    | 01/02/2018 02:01 PM |             |
| 3994 | ndncert        | Task    | New         | Normal   | Add validator instance for each CA                                           |                    | 03/13/2017 12:47 PM |             |

| #    | Project            | Tracker | Status   | Priority | Subject                                                                         | Assignee           | Updated             | Tags                    |
|------|--------------------|---------|----------|----------|---------------------------------------------------------------------------------|--------------------|---------------------|-------------------------|
| 3993 | mini-ndn           | Bug     | New      | Normal   | Older version of Mininet should not break execution                             |                    | 03/13/2017 11:28 AM |                         |
| 3978 | mini-ndn           | Feature | New      | Normal   | Design a mechanism to test NLSR with muliplte networks in the same topology     |                    | 09/13/2020 11:55 AM |                         |
| 3973 | NFD-android        | Feature | New      | Normal   | Identity Manager                                                                |                    | 02/14/2019 10:39 PM |                         |
| 3970 | NFD                | Bug     | New      | Low      | Improve face_system error message when a ProtocolFactory is disabled            |                    | 02/19/2017 09:18 AM |                         |
| 3952 | ChronoShare        | Task    | Resolved | Normal   | Restore routable prefix discovery in Dispatcher module                          | Yukai Tu           | 04/03/2017 04:09 PM |                         |
| 3950 | NLSR               | Task    | New      | Normal   | Use CertificateBundleFetcher instead of DirectFetcher                           | Muktadir Chowdhury | 12/29/2020 06:57 PM |                         |
| 3948 | NLSR               | Feature | New      | Normal   | Multiple network support                                                        | Laqin Fan          | 12/29/2020 07:03 PM | cri-yeartwo             |
| 3945 | NFD                | Feature | New      | Normal   | DeadNonceList counters                                                          |                    | 06/30/2021 10:11 PM | DeadNonceList           |
| 3939 | NFD-android        | Task    | New      | Normal   | WiFi Direct support                                                             |                    | 02/02/2017 08:33 PM |                         |
| 3937 | NLSR               | Task    | New      | Normal   | NLSR should react to Face event notifications                                   | Saurab Dulal       | 12/29/2020 06:57 PM |                         |
| 3926 | ChronoShare        | Task    | New      | Normal   | Avoid all uses of boost::posix_time with ndn::time (boost::chrono)              | Yukai Tu           | 01/15/2017 02:36 PM |                         |
| 3925 | ChronoShare        | Task    | New      | Normal   | Avoid creation multiple instances of KeyChain                                   | Yukai Tu           | 01/13/2017 04:10 PM |                         |
| 3917 | ndn-cxx            | Feature | New      | Normal   | Implement InMemoryStorageTimeout                                                |                    | 11/04/2022 09:07 PM | API                     |
| 3916 | ndn-cxx            | Task    | New      | Normal   | Rewrite security tutorial                                                       |                    | 06/07/2020 05:50 PM | security, documentation |
| 3907 | ndn-cxx            | Feature | New      | Normal   | Certificate API to enumerate extensions                                         |                    | 06/29/2020 11:46 PM | security, API           |
| 3906 | ndns               | Task    | New      | High     | Rewrite ManagementTool's ListZone method                                        |                    | 12/30/2016 10:12 PM |                         |
| 3905 | ndns               | Task    | New      | Normal   | Refactory ndns-update and ndns-add-rr                                           |                    | 12/30/2016 02:56 PM |                         |
| 3902 | ndn-tools          | Bug     | New      | Normal   | ndncatchunks with AIMD pipeline randomly hangs after transfer is complete       |                    | 10/07/2023 09:55 PM |                         |
| 3901 | NDN Control Center | Task    | New      | Normal   | Create bash-completion script for `ndn` command                                 |                    | 12/23/2016 07:23 PM |                         |
| 3897 | ndn-cxx            | Bug     | New      | Normal   | FaceUri::canonize doesn't always validate the port number                       |                    | 08/28/2017 07:15 PM |                         |
| 3896 | ndn-cxx            | Bug     | New      | Normal   | FaceUri::parse doesn't reject some invalid unix:// URIs                         |                    | 08/28/2017 07:15 PM |                         |
| 3895 | NFD                | Task    | New      | Normal   | Write a style file for clang-format                                             |                    | 12/20/2022 02:19 AM | needs-discussion        |
| 3890 | NDN Control Center | Task    | New      | Normal   | Identity management module                                                      |                    | 12/14/2016 12:59 PM |                         |
| 3889 | NFD                | Bug     | New      | Normal   | Retransmission suppression is too aggressive                                    |                    | 08/25/2017 01:09 PM |                         |
| 3887 | NFD                | Feature | New      | Normal   | Available strategies dataset                                                    |                    | 12/12/2016 09:00 PM |                         |
| 3885 | ChronoSync         | Bug     | New      | Normal   | processSyncInterest: Interest for new data getting satisfied by cached old data | Sonu Mishra        | 12/11/2016 01:54 PM |                         |
| 3883 | ChronoSync         | Task    | New      | Normal   | Time gap between interest expiration and refresh                                | Sonu Mishra        | 12/11/2016 01:27 PM |                         |
| 3867 | ndn-tools          | Task    | New      | Normal   | autoconfig: move from NFD repository                                            | Davide Pesavento   | 02/17/2019 03:58 PM |                         |

| #    | Project                 | Tracker | Status | Priority | Subject                                                                                         | Assignee       | Updated             | Tags             |
|------|-------------------------|---------|--------|----------|-------------------------------------------------------------------------------------------------|----------------|---------------------|------------------|
| 3862 | NFD                     | Task    | New    | Normal   | Investigate unordered CS                                                                        |                | 12/04/2018 11:42 PM |                  |
| 3843 | ndn-tools               | Feature | New    | Low      | ndncatchunks: Implement throughput tracer                                                       |                | 02/06/2019 03:37 PM |                  |
| 3842 | NLSR                    | Task    | New    | Normal   | Add timestamp information for LSAs in LSDB                                                      |                | 05/24/2017 03:54 PM |                  |
| 3840 | NFD-android             | Feature | New    | Normal   | mDNS discovery of other NFD nodes on WiFi network                                               |                | 08/26/2020 04:48 PM | needs-discussion |
| 3831 | NFD                     | Feature | New    | Normal   | Add RIB routes for automatically created permanent faces                                        |                | 10/28/2016 09:51 AM |                  |
| 3830 | NFD                     | Task    | New    | Normal   | Make ASF strategy tests predictable                                                             |                | 02/02/2024 11:15 PM | ASF, unit-tests  |
| 3824 | NFD                     | Feature | New    | Normal   | NetworkRegionTable dataset                                                                      |                | 10/07/2023 09:52 PM | needs-discussion |
| 3816 | ndn-cxx                 | Feature | New    | Normal   | KeyRollover for high-rate data                                                                  |                | 07/07/2017 12:36 AM |                  |
| 3807 | NFD                     | Task    | New    | Normal   | Content store profiling                                                                         |                | 10/07/2023 09:51 PM |                  |
| 3804 | NDN Specifications      | Feature | New    | Normal   | SignatureHmacWithSha256_128                                                                     |                | 07/29/2023 08:48 PM | needs-discussion |
| 3803 | ndn-cxx                 | Bug     | New    | Normal   | Default-constructed Link is encoded with ContentType==BLOB if no delegation is added            |                | 05/27/2022 03:47 AM |                  |
| 3775 | NFD-android             | Task    | New    | Normal   | Fix hard-coded private keys for prefix registrations with local NFD                             |                | 09/11/2016 01:49 PM |                  |
| 3773 | NFD                     | Feature | New    | Normal   | Inform applications when auto prefix propagation fails because no signing identity is available |                | 03/26/2018 10:20 PM |                  |
| 3768 | repo-ng                 | Feature | New    | Normal   | Storage management / quota features                                                             |                | 09/07/2016 07:55 AM |                  |
| 3767 | repo-ng                 | Feature | New    | High     | Provide option to enable prefix caching behavior                                                |                | 09/07/2016 07:53 AM |                  |
| 3766 | repo-ng                 | Feature | New    | High     | Enable external command to trigger prefix registration with local NFD                           |                | 06/08/2017 10:04 AM |                  |
| 3744 | NLSR                    | Feature | New    | Normal   | Modularize NLSR                                                                                 | Saurab Dulal   | 12/29/2020 07:02 PM | cri-yearthree    |
| 3726 | ndn-cxx                 | Feature | New    | Normal   | Controller logging                                                                              |                | 06/07/2020 10:47 AM | logging          |
| 3719 | ChronoChat              | Bug     | New    | Normal   | NfdConnectionChecker: does not process Nack                                                     |                | 08/04/2016 10:57 PM |                  |
| 3718 | ChronoChat              | Bug     | New    | Normal   | ControllerBackend: does not process Nack                                                        |                | 08/04/2016 10:57 PM |                  |
| 3717 | ChronoChat              | Bug     | New    | Normal   | ControllerBackend: does not process Nack                                                        |                | 08/04/2016 10:57 PM |                  |
| 3710 | ndns                    | Bug     | New    | Normal   | NdnsUpdate: does not process Nack                                                               |                | 08/04/2016 10:41 PM |                  |
| 3709 | ndns                    | Bug     | New    | Normal   | IterativeQueryController: does not process Nack                                                 |                | 08/04/2016 10:41 PM |                  |
| 3690 | ndn-tools               | Feature | New    | Normal   | ndncatchunks: add option to write received data to a file                                       |                | 07/29/2016 10:02 PM |                  |
| 3688 | Consumer / Producer API | Bug     | New    | Normal   | Consumer Producer API not compiled                                                              | Siraj Muhammad | 07/29/2016 01:44 AM |                  |
| 3677 | NFD                     | Bug     | New    | Low      | nfdc status reports wrong uptime if system clock has been changed                               |                | 09/04/2017 02:18 AM |                  |
| 3667 | ndn-cxx                 | Feature | New    | Normal   | Logging facility: synchronous sink frontend                                                     |                | 06/29/2020 11:46 PM | logging, API     |
| 3663 | ndn-cxx                 | Feature | New    | Normal   | NotificationSubscriber: Validator                                                               |                | 02/12/2018 12:28 PM |                  |
| 3656 | ndnSIM                  | Bug     | New    | Normal   | Python bindings enumeration for old-style content store                                         |                | 05/08/2018 10:55 AM |                  |
| 3629 | NLSR                    | Feature | New    | Low      | Distribute certificates proactively through Sync                                                |                | 01/02/2018 01:18 PM |                  |
| 3628 | NLSR                    | Feature | New    | Normal   | External Launcher                                                                               |                | 12/29/2020 07:02 PM | cri-yeartwo      |

| #    | Project            | Tracker | Status      | Priority | Subject                                                                                 | Assignee           | Updated             | Tags          |
|------|--------------------|---------|-------------|----------|-----------------------------------------------------------------------------------------|--------------------|---------------------|---------------|
| 3626 | NLSR               | Feature | New         | Normal   | Use IncomingFacelId tag to direct LSA Interests                                         |                    | 12/29/2020 07:02 PM |               |
| 3611 | NDN in the browser | Task    | New         | Normal   | Micro Forwarder README                                                                  |                    | 05/20/2023 06:22 AM |               |
| 3595 | NLSR               | Task    | New         | Normal   | Document certificate generation process                                                 | Muktadir Chowdhury | 12/29/2020 06:57 PM | cri-yearone   |
| 3593 | NLSR               | Task    | New         | Normal   | Handle old state in Sync digest tree                                                    |                    | 06/19/2017 01:05 PM |               |
| 3592 | NDN Specifications | Feature | New         | Normal   | Design mechanism to reliably identify content object name                               |                    | 05/27/2017 09:31 AM |               |
| 3584 | NDN in the browser | Task    | New         | Normal   | Micro Forwarder: Update the Hackathon page                                              |                    | 04/01/2016 04:14 PM |               |
| 3575 | mini-ndn           | Task    | New         | Low      | Use default_level from nfd.conf as default nfd-log-level                                |                    | 04/01/2016 07:38 AM |               |
| 3567 | NFD                | Task    | Feedback    | Normal   | Face system benchmark                                                                   |                    | 10/07/2023 09:50 PM |               |
| 3561 | ndn-cxx            | Task    | New         | Normal   | Add a FOO_MAX enumerator to all public enumerations                                     |                    | 06/29/2020 11:47 PM | API           |
| 3557 | ndnSIM             | Bug     | New         | Normal   | Problem in generating the graphs pdf files for ndnSIM-ddos-interest-flooding project    |                    | 11/10/2016 11:40 AM |               |
| 3555 | ndnrtc             | Bug     | New         | Normal   | Fix "phantom user" in discovery list                                                    | Zhehao Wang        | 03/16/2016 03:08 PM |               |
| 3553 | ndn-cxx            | Feature | New         | Normal   | Logging facility: bounded record queue                                                  |                    | 06/07/2020 10:45 AM | logging       |
| 3551 | ndnrtc             | Task    | New         | Normal   | Determine if best-route strategy is causing performance degradation for NDN-RTC traffic | Peter Gusev        | 03/13/2016 05:20 PM |               |
| 3549 | ndnrtc             | Task    | Resolved    | Normal   | Prep for March 16 seminar                                                               | Peter Gusev        | 10/31/2016 03:52 PM |               |
| 3541 | ndnrtc             | Task    | New         | Normal   | [ndnrtc] Increased latency after rebuffering                                            | Peter Gusev        | 03/10/2016 03:53 PM |               |
| 3537 | ndnrtc             | Task    | New         | Normal   | [ndncon] Memory footprint grows over long runs for publishers                           | Peter Gusev        | 03/09/2016 05:40 PM |               |
| 3536 | ndnrtc             | Task    | New         | Normal   | [ndncon] Crashes when leaving/joining chat                                              | Peter Gusev        | 03/09/2016 05:38 PM |               |
| 3535 | ndnrtc             | Task    | New         | Normal   | [ndncon] Crashes when stop publishing audio                                             | Peter Gusev        | 03/09/2016 05:37 PM |               |
| 3534 | ndnrtc             | Task    | New         | Normal   | [ndncon/ndnrtc] Bugfixing and optimization                                              |                    | 03/15/2016 06:17 PM |               |
| 3529 | ndnrtc             | Task    | New         | Normal   | [ndnrtc-oi] Ingest current consumer state                                               | Peter Gusev        | 03/09/2016 05:22 PM |               |
| 3527 | ndnrtc             | Task    | New         | Normal   | [ndnrtc-oi] Implement NDN-RTC metric ingestion into Operational Intelligence tool       | Peter Gusev        | 03/15/2016 06:22 PM |               |
| 3526 | ndnrtc             | Task    | Resolved    | Normal   | March 10 NDN-RTC test                                                                   | Peter Gusev        | 10/31/2016 04:02 PM |               |
| 3521 | NFD                | Feature | In Progress | Normal   | Netdev-bound faces                                                                      |                    | 04/03/2021 01:17 AM |               |
| 3516 | ndnrtc             | Task    | New         | Normal   | Decrease conversational latency perceived by users                                      | Peter Gusev        | 03/07/2016 09:15 AM |               |
| 3488 | ndnrtc             | Feature | New         | Normal   | Incorporate ARC detection into master branch                                            | Peter Gusev        | 03/04/2016 03:17 PM |               |
| 3486 | ndnrtc             | Task    | Resolved    | Normal   | Scripts to log NFD counters across testbed during runs                                  | Peter Gusev        | 10/31/2016 03:42 PM |               |
| 3485 | ndnrtc             | Task    | Resolved    | Normal   | Prep for March 2 seminar with NDN-RTC                                                   | Peter Gusev        | 10/31/2016 04:04 PM |               |
| 3483 | ndnrtc             | Feature | Resolved    | Normal   | Summarize results of performance testing to date                                        |                    | 10/31/2016 03:39 PM |               |
| 3482 | NFD                | Task    | New         | Normal   | Document expected packet processing performance                                         |                    | 10/07/2023 09:47 PM | documentation |



| #    | Project            | Tracker | Status      | Priority | Subject                                                                                 | Assignee        | Updated             | Tags             |
|------|--------------------|---------|-------------|----------|-----------------------------------------------------------------------------------------|-----------------|---------------------|------------------|
| 3481 | ndnrtc             | Feature | New         | Normal   | Test NDN-RTC performance in Mini-NDN                                                    | Ashlesh Gawande | 12/21/2017 11:19 AM |                  |
| 3477 | ndnrtc             | Feature | New         | Normal   | Silence Suppression                                                                     | Peter Gusev     | 03/04/2016 04:05 PM |                  |
| 3476 | NFD                | Task    | New         | Normal   | Design NFD instrumentation                                                              |                 | 03/15/2019 11:17 AM |                  |
| 3475 | NDN Specifications | Task    | New         | Normal   | Explore approach to packet prioritization                                               | Jeff Burke      | 08/26/2020 04:46 PM | needs-discussion |
| 3473 | ndnrtc             | Bug     | New         | Normal   | [NdnCon] chatroom message scroll position not preserved upon maximize                   |                 | 02/24/2016 03:16 PM |                  |
| 3465 | NFD                | Feature | New         | Normal   | Extend client auto-configuration stages to include mDNS/DNS-SD                          |                 | 08/26/2020 04:52 PM | needs-discussion |
| 3462 | NFD-android        | Feature | New         | Normal   | StrategyChoice fragment                                                                 |                 | 02/13/2019 12:49 PM |                  |
| 3457 | NFD-android        | Task    | New         | Normal   | Collect and notify apps about routable prefixes                                         |                 | 02/13/2019 12:48 PM |                  |
| 3456 | NFD-android        | Feature | New         | Normal   | Test coverage                                                                           |                 | 02/13/2019 12:49 PM |                  |
| 3454 | NLSR               | Feature | New         | Normal   | Support NLSR to run over direct links                                                   |                 | 02/01/2016 06:08 PM |                  |
| 3441 | NFD-android        | Feature | New         | Normal   | Channels fragment                                                                       |                 | 02/13/2019 12:48 PM |                  |
| 3425 | NFD-android        | Feature | New         | Normal   | Information window about local FaceUri                                                  |                 | 02/13/2019 12:48 PM |                  |
| 3422 | NDN in the browser | Task    | New         | Normal   | ndn protocol add-on: Rewrite deprecated XPCOM and XUL                                   |                 | 05/20/2023 06:21 AM |                  |
| 3420 | NFD                | Feature | New         | Normal   | best-route: return Nack if nexthops are DOWN                                            |                 | 01/19/2016 03:48 PM |                  |
| 3413 | NLSR               | Task    | New         | Normal   | Retry LSA fetch based on SegmentFetcher failure specific error codes                    |                 | 01/14/2016 01:35 PM |                  |
| 3412 | ndn-cxx            | Feature | New         | Normal   | SegmentFetcher: onError signal should report more specific failure information          |                 | 06/02/2018 06:42 PM |                  |
| 3405 | ChronoChat         | Feature | New         | Urgent   | nfd-android                                                                             |                 | 01/11/2016 10:47 AM |                  |
| 3402 | NDN in the browser | Feature | New         | Normal   | TLS WebSocket endpoint on testbed                                                       |                 | 07/24/2017 07:45 AM |                  |
| 3401 | NDN in the browser | Bug     | Resolved    | Normal   | Firefox extension is unsigned                                                           |                 | 05/20/2023 06:21 AM |                  |
| 3393 | ndn-cxx            | Task    | New         | Normal   | Create infrastructure for documentation currently in ndn-cxx developer's guide          | Alex Afanasyev  | 01/23/2018 11:20 PM |                  |
| 3382 | NFD                | Bug     | New         | Normal   | nfd.conf.sample has face_system.unix section when compiled without Unix sockets support |                 | 06/11/2021 03:50 PM |                  |
| 3377 | NFD                | Task    | In Progress | Low      | FaceManager: test suite improvement                                                     |                 | 11/04/2022 08:59 PM | unit-tests       |
| 3369 | NFD                | Task    | New         | Normal   | EthernetTransport: test suite improvement                                               |                 | 11/07/2018 10:28 PM | unit-tests       |
| 3361 | NFD                | Feature | New         | Normal   | FIB/PIT/CS/Measurements: erase by iterator                                              |                 | 02/01/2017 02:20 PM |                  |
| 3352 | NFD                | Feature | In Progress | Normal   | Set transport state UP/DOWN based on the state of the underlying network interface      |                 | 09/07/2022 09:10 AM |                  |
| 3333 | NFD                | Feature | New         | Normal   | Design Interest digest                                                                  |                 | 08/26/2020 04:52 PM | needs-discussion |

| #    | Project            | Tracker | Status      | Priority | Subject                                                                                                   | Assignee           | Updated             | Tags             |
|------|--------------------|---------|-------------|----------|-----------------------------------------------------------------------------------------------------------|--------------------|---------------------|------------------|
| 3326 | ndnSIM             | Bug     | New         | Normal   | ndn::tlv::Error (TLV length exceeds buffer length) when calling /localhost/nfd/faces/list without caching |                    | 05/08/2018 10:55 AM |                  |
| 3325 | NFD                | Task    | In Progress | Normal   | Improve FaceDataset and GeneralStatusDataset tests                                                        |                    | 11/04/2022 08:58 PM | unit-tests       |
| 3320 | repo-ng            | Task    | New         | High     | Downloading with a different piplines                                                                     | inchan hwang       | 11/05/2015 03:55 AM |                  |
| 3304 | repo-ng            | Task    | New         | Normal   | ndnputfile ERROR: check response timeout                                                                  |                    | 11/03/2015 05:08 AM |                  |
| 3283 | NDN Specifications | Feature | New         | Normal   | Multiple signature design                                                                                 |                    | 01/13/2022 07:02 PM | needs-discussion |
| 3277 | NLSR               | Feature | New         | Normal   | NLSR messages should include process ID                                                                   |                    | 12/29/2020 07:02 PM | cri-yeartwo      |
| 3271 | mini-ndn           | Task    | New         | Normal   | Add automatic testing of Mini-NDN patches on gerrit                                                       |                    | 12/21/2017 04:10 PM |                  |
| 3261 | NFD                | Task    | New         | Normal   | App-developer oriented docs summarizing autoconfiguration steps                                           |                    | 10/07/2023 09:40 PM | documentation    |
| 3255 | NLSR               | Bug     | New         | Normal   | Node with old certs prevents neighbors from converging                                                    |                    | 10/09/2015 08:19 AM |                  |
| 3254 | NLSR               | Task    | New         | Normal   | Design automated key rollover process                                                                     | Muktadir Chowdhury | 12/29/2020 06:56 PM |                  |
| 3250 | ndnrtc             | Bug     | New         | Normal   | [NdnCon] crash after entering very long username                                                          |                    | 10/08/2015 01:49 PM |                  |
| 3247 | ndnrtc             | Bug     | New         | Normal   | [NdnCon] crash after stop publishing                                                                      |                    | 10/07/2015 03:09 PM |                  |
| 3246 | ndnrtc             | Bug     | Resolved    | Normal   | [NdnCon] cannot quit from Dock during fetching                                                            |                    | 10/31/2016 03:36 PM |                  |

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