

NDN repo-ng command and management

sudo, as the case may be

repo-ng.conf: /usr/locale/etc/ndn/repo-ng.conf
/etc/ndn/repo-ng.conf

database file: ~/mydir/ndn/repo-ng-master/storage/ndn_repo.db
/var/lib/ndn/repo-ng/ndn_repo.db
It is a sqlite database.

start: ndn-repo-ng

list content: repo-ng-ls

insert data: ndnputfile reponame ndnname filename
ndnputfile /localhost/repo-ng /ndn/ch/unibas/HelloCS321 HelloCS321.txt
ndnputfile /example/repo/1 /ndn/ch/unibas/HelloCS321 HelloCS321.txt

fetch data: ndngetfile ndnname
ndngetfile /ndn/ch/unibas/HelloCS321

peek data: ndn-tlv-peek ndn:/ndn/ch/unibas/HelloCS321
This is NFD functionality.

delete data: sqlite3 ndn_repo.db
DELETE FROM ndn_repo WHERE "data" LIKE
'%ndn__ch__unibas__data__videodemos__Big%';

Transfer write-ahead logging (ndn_repo.db-wal):
PRAGMA wal_checkpoint [PASSIVE|FULL|RESTART];
PRAGMA wal_autocheckpoint = 1000;

Additional:
SELECT * FROM ndn_repo;
SELECT FROM ndn_repo WHERE id=5;
SELECT "data" FROM ndn_repo WHERE id=4;

useful nfd

commands: externally:
nfdc register /ndn udp://ndn.cs.unibas.ch:6363 (nfd port, nfd forwards internally to the repository)
internally:
nfdc register /localhost/repo-ng udp://127.0.0.1:7376 (repository port)
nfdc unregister /localhost/repo-ng 782467 (=faceID, may vary)