

4) Update parent and hash of staging commit.

Staging Commit
Message: "<uncommitted changes>"
Author: "<no author yet>"
Hash: ~~QmZ14~~ → Qma25
Root: ~~QmR2i~~ → QmS3o
Parent: QmPaPnotnWYqV9oK6

Ref: CURR
Qma25...

5) Update CURR Ref to staging commit.

Directory '/'
Parent: <nil>
Hash: ~~QmX230~~ → QmY341
Size: 727 Bytes
ModTime: 2016-09-14T17:46+02:00

3) Update hashes, ModTime and size of parent nodes. Also remember a checkpoint for each affected directory with type 'MODIFY'.

File 'big.mkv'
Parent: /
Hash: Qmbe4yFgt1smosY34
Size: 350 Bytes
ModTime: 2016-09-14T17:46+03:00
UID: 1

Directory 'photos'
Parent: /
Hash: ~~QmC31~~ → QmdF23
Size: ~~700~~ → 900 Bytes
ModTime: 2016-09-14T17:46+02:00

File 'me.png'
Parent: /photos
Hash: QmjZdjSSGNNSwckXg
Size: 350 Bytes
ModTime: 2016-09-14T17:46+03:00
UID: 2

File 'cat.png'
Parent: /photos
Hash: QmsmosYcXhhe3FeuH
Size: 350 Bytes
ModTime: 2016-09-14T17:46+03:00
UID: 3

File 'new.png'
Parent: /photos
Hash: QmSPyAXewiGLzmiIw
Size: 200 Bytes
ModTime: 2016-09-14T17:46+03:00
UID: 4

1) Create new node and UID.
Remember a checkpoint for the new UID
with type 'ADDED'.

0) Prerequisites: Encrypt/Compress/Insert to
ipfs and check if the hash changed,
abort with ErrNoChange if not.

2) Find parent and create link to it.
Possibly create necessary
intermediate parents. (See MKDIR)