

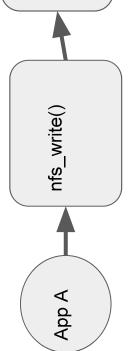
Else: read_cache() cache_dic[server_fd].insert(sortedpos, data) if total_blocks <= configuration.cacheSize if total_blocks > configuration.cacheSize: else: #an den exw fd in cache Find least recem used block if server_fd in cache_dic:: for x in cache_dic.keys(). minLRU = time.time() # Find total_blocks Delete block total blocks=0

cache_dic[server_fd]=[[[file_pos, len(data)],[data],

blocks = file_size / cache_block_size ret= send_packet('R',server_fd, ret= send_packet('R', server_fd, buf.append(reast_packet) Ret = read_cache(data) Ret = read_cache(data) If ret == 1: #end offile If file_pos in line: buffer.append(line) block_size, bloc_start) block_size, bloc_start) If server_fd in cache: Find block_start Find block_start while file_size > 0: for each line: ret=data ret=data else:

NFS - Implementation -

WRITE



cache()

Write_cache()

total blocks=0

for x in cache_dic.keys():

Find total_blocks

if total_blocks > configuration.cacheSize:

minLRU = time.time()

Find least recem used block

Delete block

if total_blocks <= configuration.cacheSize

if server_fd in cache_dic∷

for x in cache_dic[server_fd]:

If file_pos:

#ananewsh thesewn sthn cache_dic

else: #an den exw fd in cache

cache_dic[server_fd]=[]

ret= send_packet()

If ret >0:

blocks = file_size / cache_block_size

while temp_len > 0: If server_fd in cache:

if len(cache_dic[server_fd]) == 0:

write_cache()

for each line:

If file_pos in line:

Find block start

Create block #me bash block_start kai

file_pos

write_cache(server_fd, temp_block, block start, configuration.blockSize) Else:#an den uparxei o filepos cache_dic[server_fd].insert(sorted_pos,

Find block start

tempblock)

Else:#an den uparxei o fd

write_cache(server_fd)