(open_file_ntcreate)

is printer being opened?

yes → call & return print_fsp_open → return printer file

no

do we have deferred message?

yes → remove message under lock

no

check filename → return NULL if filename is bad

Convert SMB open parameters to UNIX parameters

set appropriate UNIX open file mode for create disposition → return NULL if operation incorrect

file exists & should be owerwritten?

yes → check attributes match → return NULL

no

set appropriate UNIX open file mode for access bits

(A)

A

create new
file structure

file exists? — no

yes

Check sharing mode

obtain
share mode lock
on the file

defer open
operation — yes — do we need
delay for oplocks?

return NULL

no

check file
sharing mode

try to open file with
DENY_FCB/DENY_DOS
(duplicate existed handle) — yes — do we have
sharing violation?

return dup file struct

no

defer open
operation

return NULL

B

(A)

open the file
and fill file struct

file doesn't exist?

yes

obtain
share mode lock

no

return NULL
if can't obtain lock

kernel flock the file

truncate file
if needed

handle delete on close
semantics if needed

set file attribures
(rights)

unlock the
share mode lock

success return