Sequence diagram showing asynchronous messaging within the sub-systems within lwiod when serving SMB NT-CREATE-ANDX messages between two disparate clients accessing the same file and requesting oplocks.

Client 1	Client 2	LWIO/SRV	LWIO/IOMGR	LWIO/PVFS

Session Setup Request →

← Session Setup Response (U1)

Tree Connect Request (U1)(Path:P1) →

← Tree Connect Response (U1)(Path:P1)(T1)

Create File Request (U1)(T1)(Path:P2)(Exclusive Oplock) →

IoCreateFile (Async) → IopIrpDispatch(Async) →

← SrvExecuteCreateAsyncCB ← IoIrpComplete

← IoQueryInformationFile (Async) → IopIrpDispatch(Async) →

← SrvExecuteCreateAsyncCB ← IoIrpComplete

IoFsControlFile(Async) [STATUS_PENDING implies Oplock was granted] → IopIrpDispatch(Async) →

← Create File Response (U1)(T1)(F1)(Oplock:EXCL)

Session Setup Request →

← Session Setup Response (U2)

Tree Connect Request (U2)(Path:P1) →

← Tree Connect Response (U2)(Path:P1)(T2)

Create File Request (U2)(T2)(Path:P2)(Exclusive Oplock) ← IoCreateFile (Async) → IopIrpDispatch(Async) →

← Oplock Break Notification (U1)(T1)(F1)(Oplock:Level II) ← SrvOplockAsyncCB ← IoIrpComplete

Oplock Break Ack (U1)(T1)(Path:P2)(Exclusive Level II) → IoFsControlFile(Async) [STATUS_PENDING implies Oplock was granted] → IopIrpDispatch(Async) →

← SrvExecuteCreateAsyncCB ← IoIrpComplete

← IoQueryInformationFile (Async) → IopIrpDispatch(Async) →

← SrvExecuteCreateAsyncCB ← IoIrpComplete

IoFsControlFile(Async) [STATUS_PENDING implies Oplock was granted] → IopIrpDispatch(Async) →

← Create File Response (U2)(T2)(F2)(Oplock:Level II)