```
set ns [new Simulator]
set f [open p2p 3 node.tr w]
set nf [open p2p 3 node.nam w]
$ns trace-all $f
$ns namtrace-all $nf
$ns color 1 "Blue"
$ns color 2 "Red"

proc finish {} {
    global ns f nf
    $ns flush-trace
    close $f
    close $nf
    # exec nam p2p 3 node.nam &
    exit 0
}

set n0 [$ns node]
set n1 [$ns node]
set n2 [$ns node]

# set label for each node

$n0 label "UDP Source"
$n1 label "TCP Source"
$n2 label "TCP & UDP Sink"

$ns duplex-link $n0 $n1 1.5Mb 10ms DropTail
$ns duplex-link $n1 $n2 1.5Mb 20ms DropTail

$ns duplex-link-op $n0 $n1 orient right
$ns duplex-link-op $n1 $n2 orient down

$ns queue-limit $n1 $n2 20

set udp0 [new Agent/UDP]
$ns attach-agent $n0 $udp0
$udp0 set class  1

set cbr0 [new Application/Traffic/CBR]
$cbr0 attach-agent $udp0
$cbr0 set packetSize  500
$cbr0 set interval  0.005

set tcp0 [new Agent/TCP]
$ns attach-agent $n1 $tcp0
$tcp0 set class  2

set ftp0 [new Application/FTP]
$ftp0 attach-agent $tcp0
$ftp0 set maxPkts  1000

set null0 [new Agent/Null]
$ns attach-agent $n2 $null0

set sink [new Agent/TCPSink]
$ns attach-agent $n2 $sink

$ns connect $udp0 $null0
$ns connect $tcp0 $sink

$ns at 0.5 "$cbr0 start"
$ns at 1.0 "$ftp0 start"
$ns at 4.0 "$ftp0 stop"
$ns at 4.5 "$cbr0 stop"
$ns at 5.0 "finish"

# to run the program
$ns run
```