IBM OS/2 LAN Server Ver 1.2 Configuration Sheet Ver 1.12

Questions to Answer:	Response:	
1. Server Name	SERVER01	(Machine Name)
2. Domain Name	DOMAIN01	
3. Total DLR Requesters	0	(0 if none)
4. DLR Reqs. with Windows	0	(# out of total DLR)
5. OS/2 Requesters	0	(0 if none)
6. No. of Additional. Servers	0	(0 if none)
7. No. of Apps Shared	0	(3 Shares/App)
8. Memory in Server	10	(MB, eg, 10)
9. DLRINST used at Server	n	(Y/N)
10. No. of RIPL Requesters	0	(# out of total DLR)
11. No. of Home Directories	0	(# if assigned)
12. SRV used as Requester	n	(Y/N)
13. No.of File/Printer Aliases	0	(1 Share/Alias)

Server Memory	OK
Potential Errors	None
NetBIOS Work Area	OK
Adapter RAM	OK
Network Errors	None

; OS/2 LAN Server initialization file

[networks]
; This information is read by the redirector at device initialization time.
; Note: Commas must be added between the X1, X2 and X3 fields -- LOTUS would not allow TUNELS12
  net1 = netbios$, 0, NB30,   32   75

[requester]
  COMPUTERNAME = SERVER01
  DOMAIN = DOMAIN01

; The following parameters generally do not need to be
; changed by the user.

  charcount = 16
  chartime = 250
  charwait = 3600
  keepconn = 600
  keepsearch = 600
  maxcmds = 32
  maxerrorlog = 100
  maxthreads = 20
  maxwrkcache = 64
  numalerts = 12
  numcharbuf = 10
  numservices = 8
  numworkbuf = 15
  numdgrambuf = 14
  printbuftime = 90
  sesstimeout = 45

```
  sizcharbuf  = 512
  sizerror = 1024
  sizworkbuf = 4096

; The next lines help you to locate bits in the wrkheuristics entry.
;                    1      2      3
;          0123456789012345678901234 5678901
  wrkheuristics = 11111111113111111100010111201110

  wrknets = net1
  WRKSERVICES = MESSENGER,NETPOPUP

[messenger]
  logfile = messages.log
  sizmessbuf = 4096

[netlogon]
  SCRIPTS = C:\IBMLAN\REPL\IMPORT\SCRIPTS
  pulse = 60
  update = yes

[replicator]
  replicate = IMPORT
  importpath = c:\ibmlan\repl\import
  tryuser = yes
  password =
  interval = 5
  guardtime = 2
  pulse = 3
  random = 60

[server]
  alertnames =
  auditing = yes
  autodisconnect = 120
  maxusers =                                      32

; The following parameters generally do not need to be
; changed by the user.  NOTE:  srvnets= is represented in
; the server info struct as a 16-bit lan mask.  Srvnet names
```

; are converted to indexes within [networks] for the named nets.

    guestacct = guest
    accessalert = 5
    alertsched = 5
    diskalert = 5000
    erroralert = 5
    logonalert = 5
    maxauditlog = 100
    maxchdevjob = 6
    maxchdevq = 2
    maxchdevs = 2
    maxconnections =   192
    maxlocks =   64
    maxopens =   64
    maxsearches =   50
    maxsessopens =   55
    maxsessreqs = 50
    maxsessvcs = 1
    maxshares =   16
    netioalert = 1
    numbigbuf =   8
    numfiletasks = 1
    numreqbuf =   64
    pipebuf = 8192
    sizreqbuf = 4096
    srvanndelta = 3000
    srvannounce = 60
    srvpipes = 3

; The next lines help you to locate bits in the srvheuristics entry.
;   1
;   0123456789012345678
    srvheuristics = 1111014111331200133

    srvnets = net1
    SRVSERVICES = NETLOGON,ALERTER,NETRUN

[alerter]
    sizalertbuf = 3072

```
[netrun]
  maxruns = 3
  runpath = C:\

[services]
  DLRINST = SERVICES\DLRINST.EXE
; Correlates name of service to pathname of service program.
; The pathname must be either
;       1) an absolute path (including the drive specification)
;                 OR
;       2) a path relative to the IBMLAN root

  requester = services\wksta.exe
  messenger = services\msrvinit.exe
  netpopup = services\netpopup.exe
  server = services\netsvini.exe
  alerter = services\alerter.exe
  netlogon = services\netlogon.exe
  replicator = services\replicat.exe
  pcdosrpl = services\pcdosrpl.exe
  netrun = services\runservr.exe
```

```
;IEEE 802.2
;Maximum Link Stations->                              36
;Transmit Buffer Size->                             4168
;Maximum SAPS->                                        3
;
;NetBIOS
;Maximum Link Stations->                              34
;Maximum Sessions->                                   34
;Maximum Commands->                                   77
;Maximum Names->                                      17
;
;CONFIG.SYS
;IFS=C:\OS2\HPFS.IFS -C:                            1638
;RUN=C:\OS2\CACHE.EXE /LAZY:ON
```

By: Todd M. Weathersby & Tom Gordy

IBM LAN National Technical Support Center

Potential Errors:	IEEE 802.2 Results	
	Maximum Link Stations->	36
	Transmit Buffer Size->	4168
	Maximum SAPS->	3
	NetBIOS Results	
	Maximum Link Stations->	34
	Maximum Sessions ->	34
	Maximum Commands ->	77
<<- Please Enter Y or N	Maximum Names ->	17
	CONFIG.SYS	
<<- Please Enter Y or N	IFS=C:\OS2\HPFS.IFS -C:	1638
	RUN=C:\OS2\CACHE.EXE /LAZY:ON	

to add the commas or space properly

Memory Calculations

10240 <- Server RAM
 6144 <- Base Used
 4096 <- Available
  819 <- Memory used by INI options
 3277 <- Balance After INI options
 1638 <- Calculated Cache
 1639 <- Balance After Cache

Result	IBMLAN.INI Paramters
32	<- NET1, X1 operand
75	<- NET1, X2 operand
16	<- NET1, X3 operand
32	<- MAXUSERS
16	<- MAXSHARES
64	<- MAXLOCKS
64	<- MAXOPENS
192	<- MAXCONNECTIONS
64	<- NUMREQBUF
8	<- NUMBIGBUF
55	<- MAXSESSOPENS
50	<- MAXSEARCHES
1111014111331200133	<- SRVHEURISTICS

Potential Errors	Memory Required	
OK		
OK	Kernel	2.5
OK	CM Base	0.1
OK	L Req	0.5
OK	L Serv	3
OK	Total	6.1
OK		
OK		
OK		
OK		
OK		
OK		

Assumptions:

Token-Ring Adapter	16/4
srvpipes=	3
sizreqbuf=	4096
Default # of SAPs=	3
Remote Name Direct. (RND)=	10
Messenger Service on SRV=	1
numfiletasks=	1
NetBIOS names to requester	3
NetBIOS names to server	4
maxchdevjob=	6
maxchdevs=	2
maxchdevq=	16
Default net1,X3 param	16
# of Group SAPs	0
Srvheuristic #5	1
Srvheuristic #10	3
Srvheuristic #11	3
Srvheuristic #13	2
Srvheuristic #17	3
HPFS used on IBMLAN Drive	Yes
LazyWrite Enabled	Yes
MAX Allowable Open Files at REQ	55

Work Area

0 <- Total Requesters on Server

0 <- Additional Servers

0 <- User Logged onto Server (2=Yes, 0=No)

0 <- Addit. Connections to servers if SRV used as Req

0 <- DLRINST used (1=Y, 0=N)

0 <- Remote IPL used (1=Y,0=N)

1 <- X1 Intermediate Result

; OS/2 LAN Server initializatior

[networks]
; This information is read by the

 net1 = netbios$, 0, NB30, 32, 3

[requester]
 COMPUTERNAME = O1
 DOMAIN = O

; The following parameters gene
; changed by the user.

 charcount = 16
 chartime = 250
 charwait = 3600
 keepconn = 600
 keepsearch = 600
 maxcmds = 32
 maxerrorlog = 100
 maxthreads = 20
 maxwrkcache = 64
 numalerts = 12
 numcharbuf = 10
 numservices = 8
 numworkbuf = 15
 numdgrambuf = 14
 printbuftime = 90
 sesstimeout = 45

```
    sizcharbuf  = 512
    sizerror = 1024
    sizworkbuf = 4096

; The next lines help you to loca
;                    1       2        3
;             0123456789012345(
    wrkheuristics = 111111111131

    wrknets = net1
    WRKSERVICES = MESSENG

[messenger]
   logfile = messages.log
   sizmessbuf = 4096

[netlogon]
   SCRIPTS = C:\IBMLAN\REP
    pulse = 60
    update = yes

[replicator]
   replicate = IMPORT
   importpath = c:\ibmlan\repl\im
   tryuser = yes
   password =
   interval = 5
   guardtime = 2
   pulse = 3
   random = 60

[server]
   alertnames =
   auditing = yes
   autodisconnect = 120
   maxusers = 32

; The following parameters gene
; changed by the user.  NOTE:  s
; the server info struct as a 16-bi
```

; are converted to indexes within

    guestacct = guest
    accessalert = 5
    alertsched = 5
    diskalert = 5000
    erroralert = 5
    logonalert = 5
    maxauditlog = 100
    maxchdevjob = 6
    maxchdevq = 2
    maxchdevs = 2
    maxconnections = 128
    maxlocks = 64
    maxopens = 128
    maxsearches = 50
    maxsessopens = 50
    maxsessreqs = 50
    maxsessvcs = 1
    maxshares = 16
    netioalert = 1
    numbigbuf = 5
    numfiletasks = 4
    numreqbuf = 36
    pipebuf = 8192
    sizreqbuf = 4096
    srvanndelta = 3000
    srvannounce = 60
    srvpipes = 3

; The next lines help you to loca
;   1
;   0123456789012345 6
    srvheuristics = 111101411133 1

    srvnets = net1
    SRVSERVICES = NETLOGO

[alerter]
    sizalertbuf = 3072

```
[netrun]
  maxruns = 3
  runpath = C:\

[services]
  DLRINST = SERVICES\DLR
; Correlates name of service to p
; The pathname must be either
;      1) an absolute path (includi
;                 OR
;      2) a path relative to the IBN

  requester = services\wksta.exe
  messenger = services\msrvinit.
  netpopup = services\netpopup.
  server = services\netsvini.exe
  alerter = services\alerter.exe
  netlogon = services\netlogon.e
  replicator = services\replicat.ex
  pcdosrpl = services\pcdosrpl.ex
  netrun = services\runservr.exe
```

```
;IFS=C:\OS2\HPFS.IFS -C:
;RUN=C:\OS2\CACHE.EXE /L
```

Messages Values:

<<- Exceeded or Equal to Max Value

<<- Please Specify a Positive #

<<- Too Many Specified

<<- Not enough RAM to Start

<<- Too Many RIPLs Specified

<<- Insufficient RAM for Configuration

<<- Too Many NetBIOS Resources Specified

<<- Adapter RAM Exceeded

<<- Too Many DLR Requesters

<<- Too Many OS/2 Requesters

<<- Too Many Requesters on Server

<<- Please Enter Y or N

<<- See Column K for Info.

<<- Too Many Windows Reqs.

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redirector at device initialization time.

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te bits in the wrkheuristics entry.

}

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GER,NETPOPUP

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ıN,ALERTER,NETRUN

INST.EXE

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ing the drive specification)

MLAN root

exe
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ENOUGH!

No More Out There.

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