

IBM OS/2 LAN Server Ver 1.30.1 (CSD 05015) -- (Questions to Answer:

1. Server Name
2. Domain Name
3. Total No. of DLR Reqs.
4. DLR Reqs. with Windows
5. OS/2 Requesters
6. No. of Additional. Servers
7. No. of Apps Shared
8. Memory in Server
9. DLRINST used at SRV
10. No. of RIPL Requesters
11. No. of Home Directories
12. SRV used as Requester
13. No.of File/Printer Aliases
14. Application code on SRV
15. 16/4 TRN Adapter
16. Appl I/O Seqtl or Random

PAGE DOWN FOR COMMUNICATIONS MANAGER OPTIONS AND ERROR MESSAGES

IBM OS/2 Ver 1.3 Communications Manager Options Questions to Answer:

Other NETBIOS applications

IBM LAN Manager on SRV?

SNA Gateway Support

APPC Support Req'd

Server also RDS

Other IEEE 802.2 API Appls.

PAGE DOWN FOR ERROR MESSAGES

NETBIOS Stations

Sheet1

NETBIOS Sessions
NETBIOS Commands
NETBIOS Names
Server RAM
NETBIOS Work Area
Adapter RAM
802.2 Stations Required
802.2 Users Required
Potential Problems/Warnings

IF NO SIGNIFICANT ERRORS ARE DISPLAYED ABOVE (IN BLUE),
PAGE DOWN FOR GENERATED IBMLAN.INI FILE AND CM CONFIG PARAMETERS

; OS/2 LAN Server initialization file

[networks]

; This information is read by the redirector at device initialization time.

net1 = netbios\$, 0, NB30,

[requester]

#NAME?
#NAME?

; 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 =
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
;           012345678901234567890123456789012
wrkheuristics = 111111111131111111000101112011102
```

```
wrknets = net1
WRKSERVICES = MESSENGER,NETPOPOP
```

```
[messenger]
logfile = messages.log
sizmessbuf = 4096
```

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

```
[replicator]
replicate = IMPORT
importpath = C:\BMLAN\REPL\IMPORT
exportpath = C:\BMLAN\REPL\EXPORT
tryuser = yes
password =
interval = 5
guardtime = 2
pulse = 3
random = 60
```

```
[server]
alertnames =
auditing = yes
autodisconnect = 120
cleanup = no
maxusers =
```

```
; 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
```


Sheet1

server = services\netsvini.exe
alerter = services\alerter.exe
netlogon = services\netlogon.exe
replicator = services\replicat.exe
pcdosrpl = services\pcdosrpl.exe
netrun = services\runservr.exe

PAGE DOWN FOR GENERATED COMM MGR CONFIG PARAMETERS

```
; IEEE 802.2
;Maximum SAPS->
; Maximum Link Stations->
;Number of 802.2 Users->
;Transmit Buffer Size->
;Transmit Buffer Count ->
;Number of Queue Elements->
;Global Descriptor Table Selectors->
;
;NetBIOS
;Datagrams use remote directory->
;Maximum Link Stations->
;Maximum Sessions->
;Maximum Commands->
;Maximum Names->
;Remote Name Directory Size ->
;
;CONFIG.SYS
;DISKCACHE=xxxx,8
;IFS=C:\OS2\HPFS.IFS -C:
;RUN=C:\OS2\CACHE.EXE /LAZY:ON
;
```


D WR05015) -- Configuration Worksheet Version 1.04

Response:

SERVER01		(Machine Name)
DOMAIN01		
	0	(0 if none)
	0	(# out of total DLR)
	0	(0 if none)
	0	(0 if none)
	0	(3 Shares/App)
	10	(MB, eg, 10)
n		(Y/N)
	0	(# out of total DLR)
	0	(# if assigned)
n		(Y/N)
	0	(1 Share/Alias)
y		(Y/N)
y		(Y/N)
s		(S/R)

Response:

n (Y/N)

n (Y/N)

n (Y/N)

n (Y/N)

n (Y/N)

0 eg, (0 if none, 1 if Em)

OK

OK
OK
OK
OK
OK
OK
OK
OK

#NAME?

32.00

83.00

32.00

Sheet1

192.00
64.00
64.00
50.00
55

16.00

9.00
1
64.00

3.00

1111014111331210133

3.00
33.00
3.00
1048.00
2.00
800
30

YES

32.00
32.00
83.00
17.00
32.00

3940 <- Use in place of xxxx in DISKCACHE
256.00

Potential Errors:

IEEE 802.2 Results

Maximum SAPS->	3.00
Maximum Link Stations->	33.00
802.2 Users ->	3.00
Transmit Buffer Size->	1048.00
Transmit Buffer Count ->	2.00
# Queue Elements->	800
Glbl Desc Table Selectors->	30

<<- Please Enter Y or N

NETBIOS Results

Datagrams use rmt directry->	YES
Maximum Link Stations->	32.00
Maximum Sessions ->	32.00
Maximum Commands ->	83.00
Maximum Names ->	17.00
Number of Remote Nms->	32.00

<<- Please Enter Y or N

<<- Please Enter Y or N

<<- Please Enter Y or N

<<- Please Enter S or R

CONFIG.SYS

;DISKCACHE=xxxx,8	3940
;IFS=C:\OS2\HPFS.IFS -C:	256.00
;RUN=C:\OS2\CACHE.EXE /LAZY:ON	

Potential Errors:

<<- Please Enter Y or N

<<- Please Enter Y or N

<<- Please Enter Y or N

<<- Please Enter Y or N

<<- Please Enter Y or N

32.00

Sheet1

32.00
83.00
17.00
5220.00
30826.00
19380.00
1.00
1.00

16.00

Sheet1

Memory Calculations	Result
10240.00 <- Server RAM	32.00
4096.00 <- Base Used	83.00
6144.00 <- Available	16.00
924.00 <- Memory used by INI options	32.00
5220.00 <- Balance After INI options	16.00
256.00 <- Calculated Cache	64.00
3940 <- Calculated DISKCACHE size	64.00
1024.00 <- Balance After Caches	192.00
	64.00
	9.00
	55
	50.00
	1111014111331210133
	3.00
	8
	#NAME?

<- Replaces xxxx in DISKCACHE statement

Sheet1

IBMLAN.INI Paramters	Potential Errors	Memory Required	
<- NET1, X1 operand	OK		
<- NET1, X2 operand	OK	Kernel	2
<- NET1, X3 operand	OK	CM Base	0.10
<- MAXUSERS	OK	L Serv	2.10
<- MAXSHARES	OK		
<- MAXLOCKS	OK		
<- MAXOPENS	OK		
<- MAXCONNECTIONS	OK		
<- NUMREQBUF	OK	Sub-Total	4.20
<- NUMBIGBUF	OK	INI+Cache	5
<- MAXSESSOPENS	OK	Mem Used	9.2
<- MAXSEARCHES	OK		
<- SRVHEURISTICS			
<- SRVPIPES	OK		
<- NUMSERVICES	OK		

#NAME?

Sheet1

Assumptions:		Work Area
		0.00
sizreqbuf=	4096	0
Messenger Service on SRV=	1	0.00
numfiletasks=	1	0.00
NetBIOS names to requester	3	0.00
NetBIOS names to server	4	0.00
maxchdevjob=	6	1.00
maxchdevs=	2	0.00
maxchdevq=	16	0.00
Default net1,X3 param	16	0.00
# of Group SAPs	0	0.00
Srvheuristic # 5	1	0.00
Srvheuristic # 10	3	0.00
Srvheuristic #11	3	0.00
Srvheuristic #17	3	0.00
HPFS used on IBMLAN Drive	Yes	0
LazyWrite Enabled	Yes	2.00
MAX Allowable Open Files at REQ	55	2.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		1.00
		1.00
		0.00
		1.00
		32
		256
		0
		0

<- Total Requesters on Server
<- Additional Servers
<- User Logged onto Server (2=Yes, 0=No)
<- Addit. Connections to servers if SRV used as Req
<- DLRINST used (1=Y, 0=N)
<- Remote IPL used (2=Y,0=N)
<- X1 Intermediate Result
<- Additional NETBIOS Stations Required
<- Additional NETBIOS Commands Required
<- Additional NETBIOS Sessions Required
<- Additional NETBIOS Names Required
<- SNA SAP req'd (1=Y, 0=N)
<- Constant '0'
<- SQLLOO SAP req'd (1=Y, 0=N)
<- IBM LAN Manager SAP Req'd (1=Y,0=N)
<- Other 802.2 Applications Requirements.
<- Total 802.2 SAPs req'd
<- Number of 802.2 Transmit Buffers
<- IBM LAN Manager Stations Required.
<- SNA Gateway Stations Required
<- APPC Stations Required
<- RDS OS/2 Stations Required
<- RDS DOS Stations Required
<- IEEE 802.2 Applications Stations Required
<- Total Additional Stations Required
<- Total 802.2 Users Required (5 Max allowed)
<- Sequential (1), or Radom operations (0), mainly
<- Programs Loaded from Server (3=Y,1=N)
<- NETBIOS Sessions (Intermediate result)
<- First cut at HPFS cache size
<- RDS used (1=Y, 0=N)
<- Potential error check (0=none, 1=problem)

Sheet1

; OS/2 LAN Server initialization file

[networks]

; This information is read by the redirector at device initialization time.

net1 = netbios\$, 0, NB30, 32, 32, 16

[requester]

COMPUTERNAME = O1

DOMAIN = O

; 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

Sheet1

```
sesstimeout = 45
sizcharbuf = 512
sizerror = 1024
sizworkbuf = 4096
```

```
; The next lines help you to locate bits in the wrkheuristics entry.
;
;           1           2           3
;           012345678901234567890123456789012
wrkheuristics = 111111111131111111000101112011102
```

```
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
exportpath = C:\IBMLAN\REPL\EXPORT
tryuser = yes
password =
interval = 5
guardtime = 2
pulse = 3
random = 60
```

```
[server]
alertnames =
auditing = yes
autodisconnect = 120
cleanup = no
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
```

Sheet1

```
erroralert = 5
logonalert = 5
maxauditlog = 100
maxchdevjob = 8
maxchdevq = 8
maxchdevs = 8
maxconnections = 128
maxlocks = 64
maxopens = 64
maxsearches = 50
maxsessopens = 55
maxsessreqs = 50
maxsessvcs = 1
maxshares = 32
netioalert = 5
numbigbuf = 5
numfiletasks = 4
numreqbuf = 96
pipebuf = 8192
sizreqbuf = 4096
srvanddelta = 3000
svannounce = 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]
sizationalertbuf = 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
```

Sheet1

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

```
;IFS=C:\OS2\HPFS.IFS -C:  
;RUN=C:\OS2\CACHE.EXE /LAZY:ON  
;DISKCACHE=xxxx,8
```

Sheet1

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 More Information
<<- Too Many Windows Reqs.
<<- Please Enter S or R
<<- Please Enter a Valid Number
<<- Enter a Minimum of One
<<- Invlid Entry/Combination
<<- 254 or More Stations Required!!!
<<- 254 or More Sessions Required!!!
<<- 255 or More Commands Required!!!
<<- Too Many Stations Required
<<- 254 or More Names Required!!!
<<- Too Many, 5 Max
<<- 16/4 Adapter Reccomended
<<- 16/4 Adapter REQUIRED

FAR
ENOUGH!
No More Out There.
'====>>