Estimated cost of RAM and disk space with and without using suballocation and compression in NetWare 4

Cost per MB RAM
Cost per MB disk

Volume size (vs) [K]
Block size (bs) [K]
Average file size (afs) [K]

Blocks on disk (vs/bs)
Directory entries (vs/afs)
Mem for FAT tables [K]
Mem for suballocation [K]
Mem for compression (250K)
Mem for dir entries [K]

Cost of RAM

Wasted Space:
Ave wasted space/file
Ave wasted space/file [bytes]
Without compression [K]
Max w/o suballocation [K]

Cost of wasted disk space

Estimated Total Cost

Block size
64K
32K
16K
8K

The purpose of this spreadsheet is to estimate how much RAM and disk storage
can be saved by implementing NetWare 4's compression and suballocation features.
The formulae were developed by Novell engineers, and the results are only estimates.

How to use:
Adjust the following parameters to better suit your needs:

Cost per MB RAM
Cost per MB disk
Volume size (vs) [K]
Average file size (afs) [K]

To get more accurate results, use the utility SSAVER, available on NetWire.

$50	
$1	

w/o S&C	w/ S&C		w/o S&C	w/ S&C
1024000.00		1024000.00	1024000.00	1024000.00
64		64	32	32
35		35	35	35
16000.00		16000.00	32000.00	32000.00
29257.00		29257.00	29257.00	29257.00
1312.00		1312.00	2624.00	2624.00
0		666	0	404
0		250	0	250
293		293	293	293
#NAME?		#NAME?	#NAME?	#NAME?
35%		35%	35%	35%
22938		179	11469	179
512000		0	512000	0
655357		5120	327678	5120
#NAME?		#NAME?	#NAME?	#NAME?
#NAME?		#NAME?	#NAME?	#NAME?

w/o S&C	with S&C
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?

The cost to add 1MB or RAM to the server
The cost for each MB of disk storage
The server's volume size (in KB)
The average file size on the server (in KB)

w/o S&C	w/ S&C		w/o S&C	w/ S&C
1024000.00	1024000.00		1024000.00	1024000.00
16	16		8	8
35	35		35	35
64000.00	64000.00		128000.00	128000.00
29257.00	29257.00		29257.00	29257.00
5248.00	5248.00		10496.00	10496.00
0	273		0	208
0	250		0	250
293	293		293	293
#NAME?	#NAME?		#NAME?	#NAME?
35%	35%		35%	35%
5734	179		2867	179
512000	0		512000	0
163839	5120		81920	5120
#NAME?	#NAME?		#NAME?	#NAME?
#NAME?	#NAME?		#NAME?	#NAME?