

# bzero & bcopy alignment

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Following recent discussion on alignment of bzero() and bcopy(), I've added some statistics collecting code to bzero() and bcopy() for practice (on a RELENG\_6 box), and here are the cumulative results for argument alignment:

128: 117190  
64: 46495  
32: 745178  
16: 35313  
8: 64580  
4: 131045  
2: 17969  
1: 25099

This is somewhat early after bootup. First number is the alignment, second argument is the number of calls that passed a pointer having the alignment (e.g. there were 131045 instances of arguments which had data aligned to 4 bytes in either bcopy or bzero). After some compiling (start of a buildkernel), the data is:

128: 341440  
64: 66812  
32: 1020807  
16: 75574  
8: 192189  
4: 266904  
2: 44975  
1: 36411

If the data is correct, most data seem to be aligned fairly ok.

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