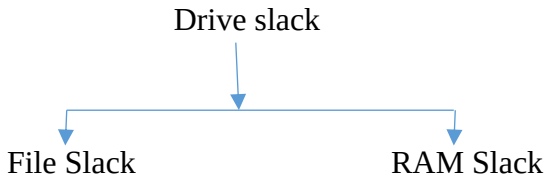
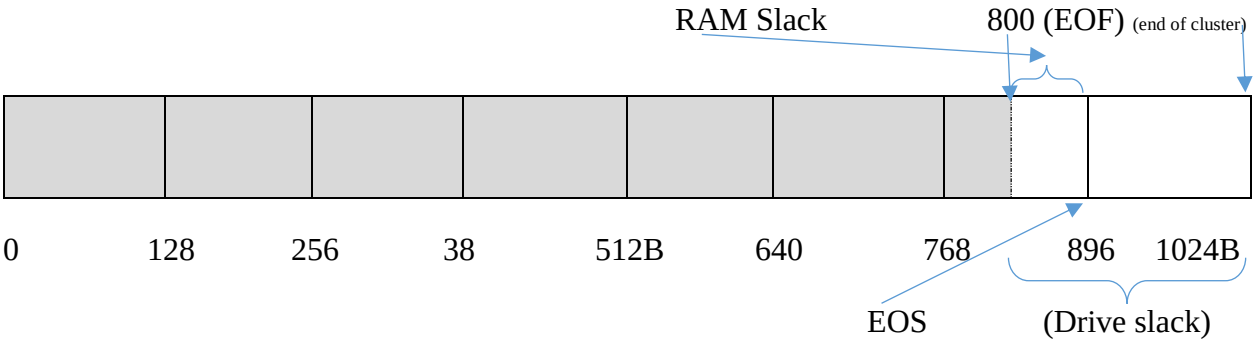
Drive Slack

Drive slack: Unused space left between the active content of the End of a File (EOF) and the end of a cluster.



File slack is the same as drive slack. RAM slack is the unused space between the end of the contents of an active file and the end a sector.

Suppose we have clusters of size 512B with each cluster having 4 sectors. Meaning each sector is 128B. If we have a file that is 800B. What will be the size of file slack and that of RAM slack?



Size of File slack = 1024B - 800B = 224B

Size of RAM slack = 896B – 800B = 96B

Why is it important to know about RMA and File Slack?

Using a Fomular:

No of clusters required to store a file = ROUNDUP(Size of file/size of cluster)

= ROUNDUP(800/512)

= ROUNDUP(1.5625)

= 2.

Size of File Slack = No. of cluster required to store file * cluster size – File size

= 2*512B – 800B

= 1024B – 800B = 224B.

RAM Slack = Sector Size – Remainder(Size of file/Size of sector)

= 128B - REM(800/128)

= 128B – 32B

= 96B