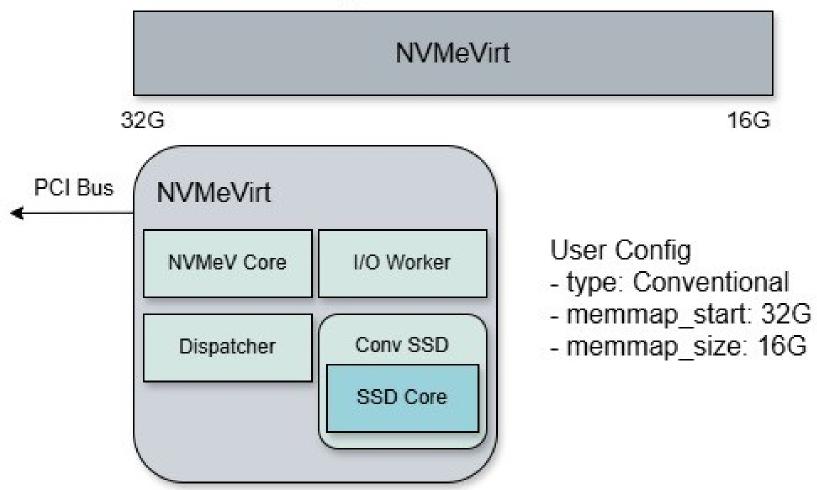
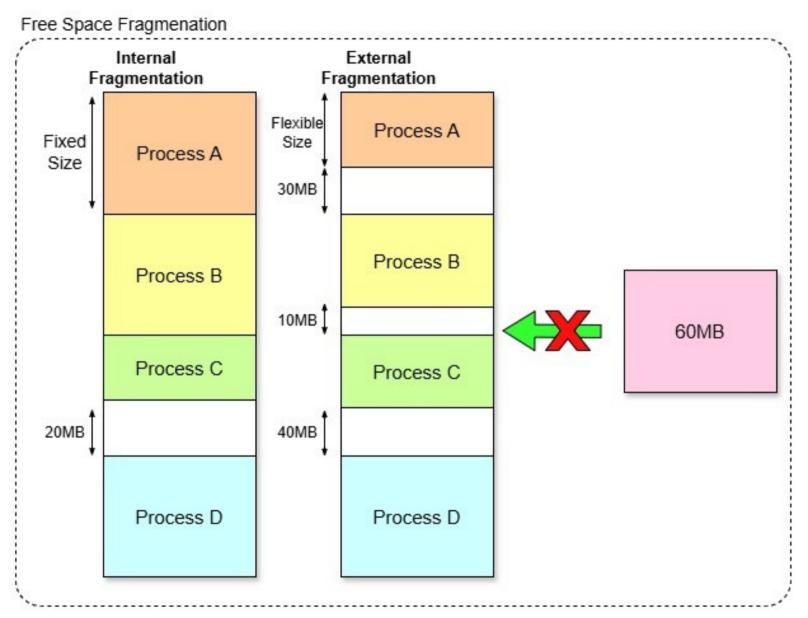


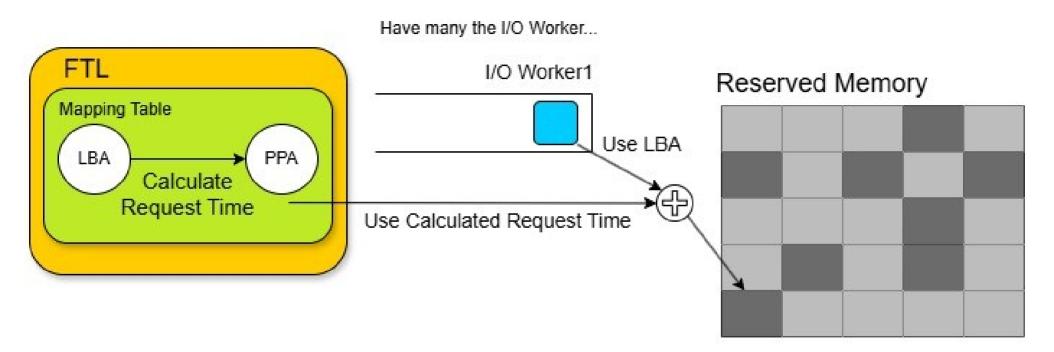
## Reserved Memory Address





Data Fragmenation

Logical Fragmenation	Total 3 I/O Regiest		Physical <sup>(</sup> Fragmenation	Only 1 I/O Requs	et
LBN1		PBN1	LBN1		PBN1
LBN2	1 1/0	PBN2	LBN2		PBN2
LBN3		PBN3	LBN3		FREE
FREE		PBN4	LBN4		FREE
LBN4	2 1/0	PBN5	FREE		PBN3
LBN5	3000 000000	PBN6	FREE		PBN4
LBN6		PBN7	FREE		FREE
FREE	31/0/	FREE	FREE	1 [	FREE
LBN7		FREE	FREE		FREE
FREE		FREE	FREE	7 [	FREE
FREE		FREE	FREE	1 [	FREE



## Conventional FTL Generally Calculate Request Time and SSD's metadata update LBA PPA Current New No WP Full? WP Yes Victim Block Queue Full Block List Free Block List When Garabage Collection, Move to Free Block List