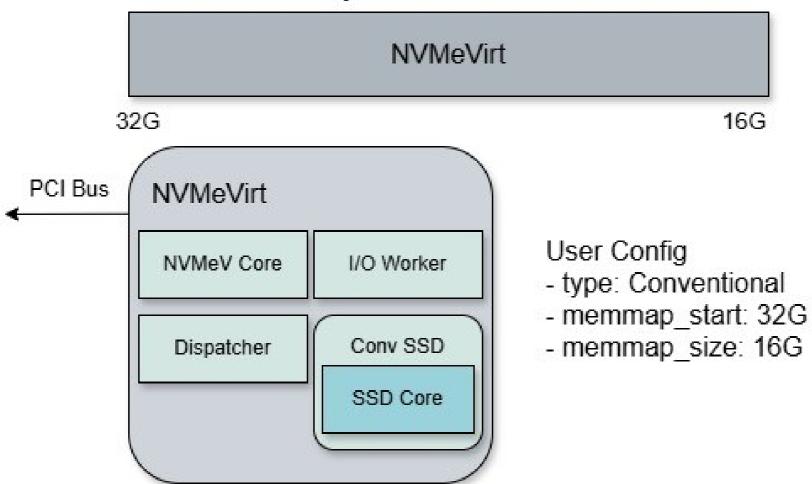


Reserved Memory Address



Free Space Fragmenation Internal External Fragmentation Fragmentation Flexible Process A Fixed Size Process A Size 30MB Process B Process B 10MB 60MB Process C Process C 40MB 20MB Process D Process D

Data Fragmenation

Logical Fragmenation	Total 3 I/O Regiest		Physical C Fragmenation	only 1 I/O Reque	set
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	\setminus	PBN3
LBN5		PBN6	FREE		PBN4
LBN6		PBN7	FREE		FREE
FREE	3 1/0	FREE	FREE		FREE
LBN7		FREE	FREE		FREE
FREE		FREE	FREE	1 [FREE
FREE		FREE	FREE	1 [FREE

