

Data Fragmentation

Logical Fragmentation

Total 3 I/O Request

LBN1	1 I/O	PBN1
LBN2		PBN2
LBN3		PBN3
FREE	2 I/O	PBN4
LBN4		PBN5
LBN5		PBN6
LBN6	3 I/O	PBN7
FREE		FREE
LBN7		FREE
FREE		FREE
FREE		FREE

Physical Fragmentation

Only 1 I/O Request
But ...

LBN1		PBN1
LBN2		PBN2
LBN3		FREE
LBN4		FREE
FREE		PBN3
FREE		PBN4
FREE		FREE
FREE		FREE
FREE		FREE
FREE		FREE
FREE		FREE