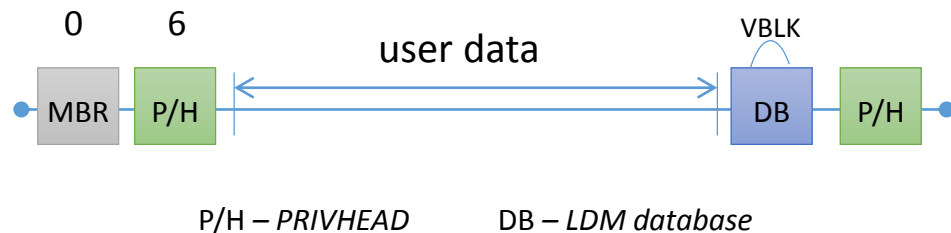


LDM metadata layout

PRIVHEAD and VBLK blocks – the most important in recovery

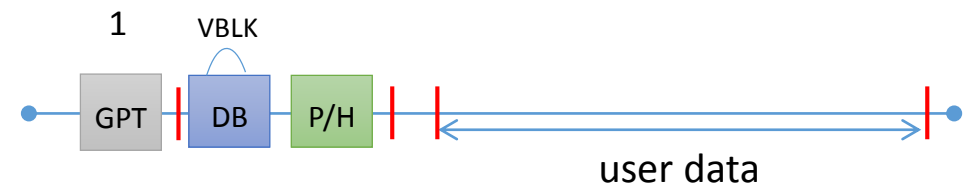
on MBR disk

- PRIVHEAD in 6th sector
- Two more PRIVHEAD copies in the end of the disk
- LDM database in the end of the disk



on GPT disk

- 2 partitions:
 1. for user data
 2. for LDM metadata
- partition with LDM metadata
 - located in the beginning of the disk (in first 8 MB)
 - contains LDM database and 2 PRIVHEAD copies



LDM Recovery

bind LDM objects manually

Volume		This object ID	
Component	Parent volume ID	This object ID	
Partition	Parent component ID	Disk object ID	Start LBA
Disk	This object ID	Disk ID GUID	
PRIVHEAD	Disk ID GUID	Logical Disk Start	

Partition start = Logical Disk Start (from PRIVHEAD) + Start LBA (from partition object)

Notes:

- 1. Logical Disk Start must be converted to 512-byte sectors according to physical sector size*
- 2. Start LBA in partition object is always in 512-byte sectors*