

# MBR Introduction

Master Boot Record (MBR) - the oldest partitioning format


used with

- disks < 2TB

contains

- bootstrap code
- table of entries

Entry stores:

- filesystem type (0x07  NTFS, ExFAT, ReFS)
- start/end address of the partition in C/H/S format
- start offset of the partition
- partition size, in sectors
- bootable flag

# C/H/S format

Cylinder/Head/Sector

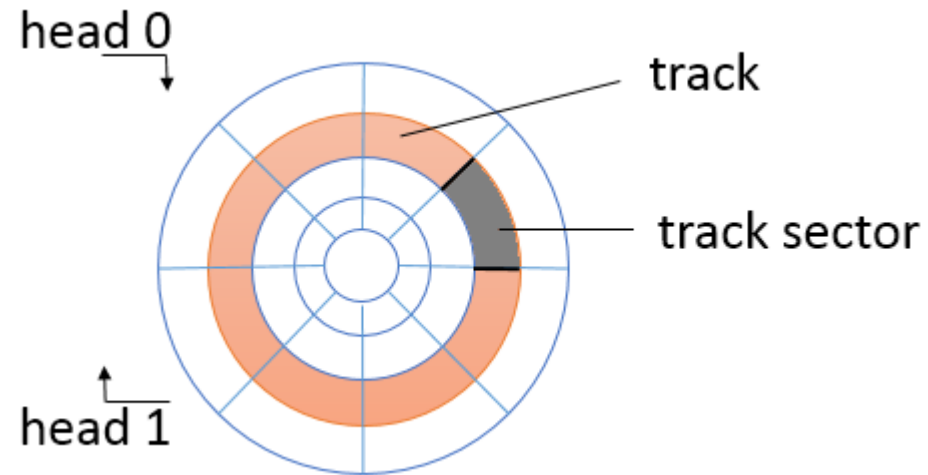
C/H/S format describes

- partition location on a disk in physical coordinates

C/H/S operates with

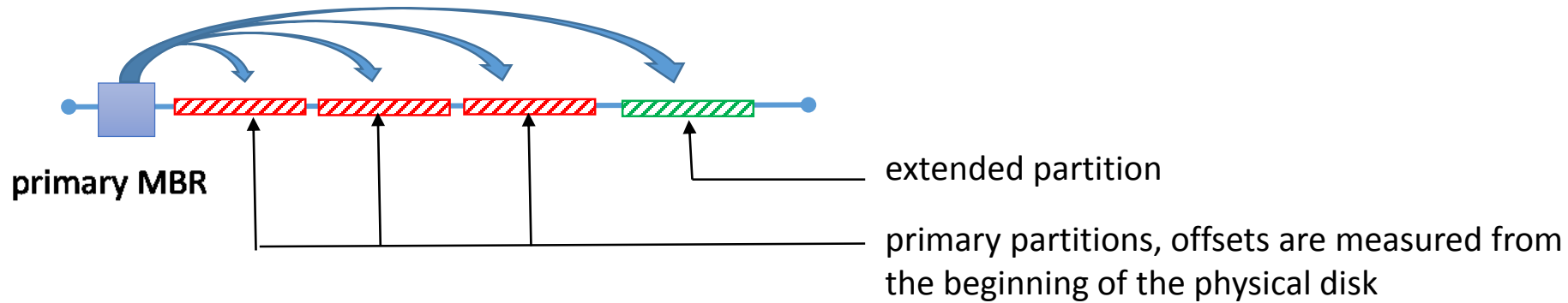
- cylinder number
- head number
- sector number

## Disk structure



# MBR layout

## General scheme of a partitioned hard disk



## Scheme of an extended partition

