

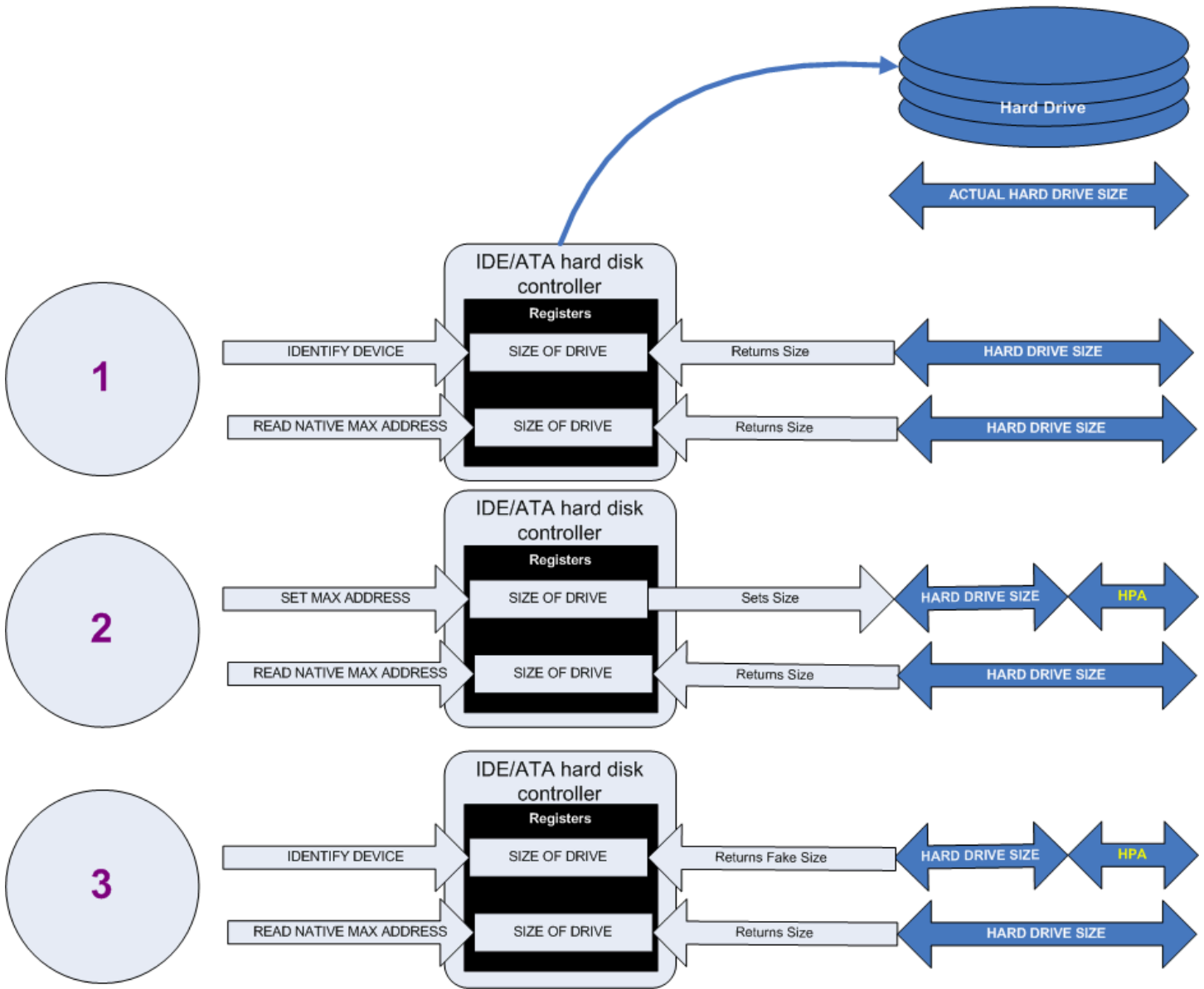
????1TB ?Bios ?OS??????33MB ??????????
????Bios ????HPA ?? ??????Max Lba ???.
??LBA ?????? Bios ?? HPA ??DCO ATA ??

Host Protected Areas (HPA) ? Device Configuration Overlays (DCO)

HPA ??? ATA -4 ??? . ?????????? ,Protocol ?????? . ??????????????

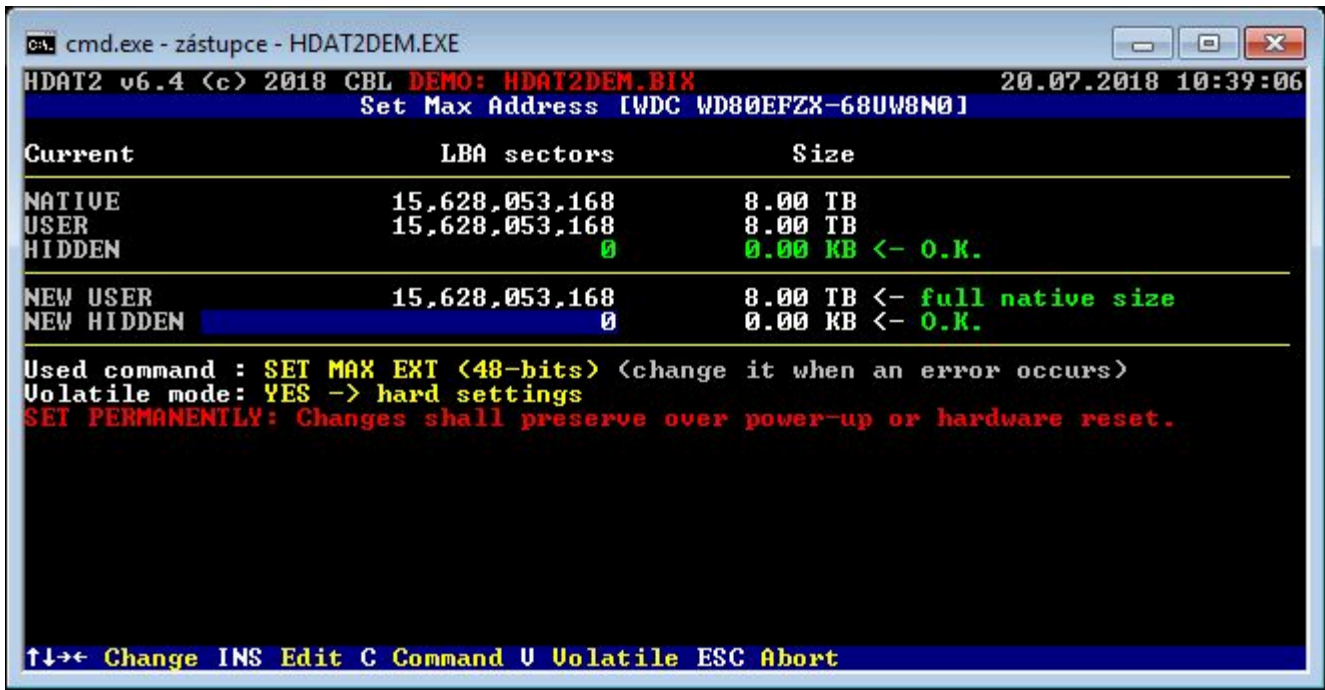
OS ?Bios ?????? ????????? , HPA ??? ,
????ATA Set ??? HPA?????????.

????



????????HPA ??

?. HDAT2 <http://www.hdat2.com/> ?DOS ??? ??? Max LBA ??



?. HDD Capacity Restore in windows

<http://hdd-tools.com/products/cr/download/crsetup.exe>

???USB Bridege ??.

?.?????????:??????????? HPA

?. Linux

Hdparm <http://sourceforge.net/projects/hdparm/>

Hdpam for osx <http://mckinlay.net.nz/hdapm/>

HPA ,DCO?????????

??LBA (??) ?Short Stroking ?????????????,??????

<http://www.tomshardware.com/reviews/...-hdd,2157.html>

????????????????????,???HPA????

?????? ?????