

# Re: AHCI Implementation

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- *From:* "Ian D" <taurus@xxxxxxxxxxxx>
  - *Date:* Sun, 7 Sep 2008 22:23:19 -0400
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"Ken" <krlorenz@xxxxxxxxxxxx> wrote in message  
<news:O1qMV6REJHA.5004@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

I implemented AHCI on a Vista Ultimate system with three SATA drives (changed the registry to load the MSAHCI service). I think I ended up with two arrays – one containing all the partitions on the boot drive and a second array for the other two drives. I used Vista to recreate the partitions on the second array and everything seemed to function normally – except the Intel Matrix Storage Console 8.5 said that NCQ was not implemented on the non-boot drives. I can go back and forth between IDE and AHCI and Vista does not have a problem with the partitions on the boot drive but the other two drives are a problem. I have given up on AHCI unless someone can point me to some good technical information on how it works. I have another system with the almost exact same configuration running Raid0 and with two arrays it works just fine with NCQ turned on for both arrays. I know, stick with IDE or Raid but AHCI has become a personal thing!! Also, I was hoping I could find a way to go to a true Raid0 configuration on the AHCI system without having to reinstall Vista. Help would be welcome.

This may depend on the particular MB BIOS. On my Asus P5B Dlx there are three settings for SATA drives, the default use as IDE, AHCI for single drives or drives not in a RAID setting, and RAID for setting up RAID 0,1,5,or 10, or using the Intel Matrix Storage Tecchnology option ROM to set up advanced RAID.