

Preparation for CCBoot

Windows Server 2003 for CCBoot Server

1. All drives should be formatted as NTFS. When format drives, set "Allocation unit size" as "Default" for Windows system drive, and set "Allocation unit size" as "32K" for other drives.
2. Please use Windows Server 2003 R2 + SP2, 32 bit.
3. Allocate hard disks for image, game (raid 0) and write back (2-3 hard disks). If you have an SSD disk, please format it to only one partition for cache.
4. Download CCBoot Server install package, install and register.
<http://www.ccboot.com/download.htm>
5. Install Teamviewer so that we can take a remote control to help if necessary.
6. Recommended Server Cache Settings

Suppose the CCBoot server has 4GB physical RAM, the recommended cache settings are as bellow.

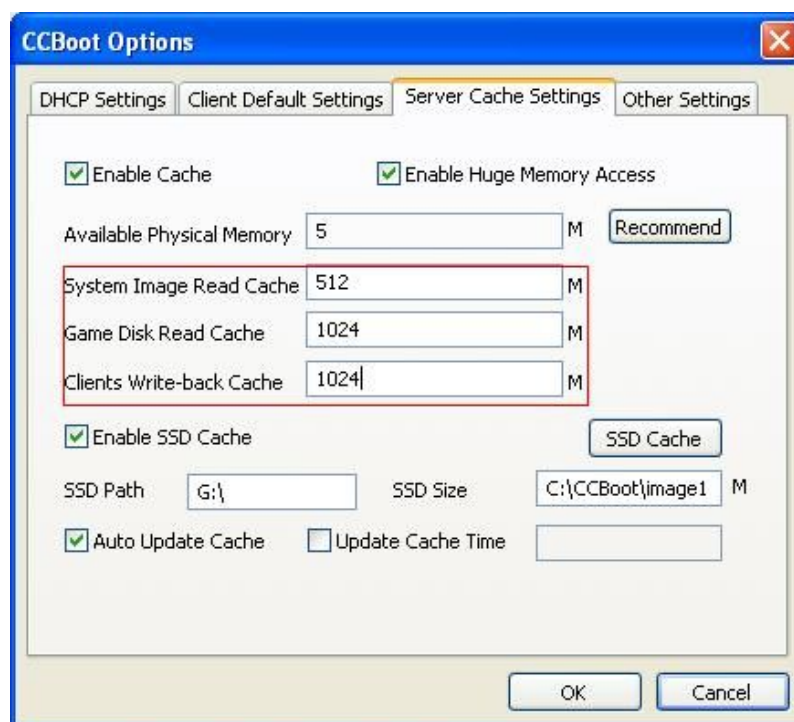


Figure 1

Suppose the CCBoot server has 8GB physical RAM, the recommended cache settings are as bellow.

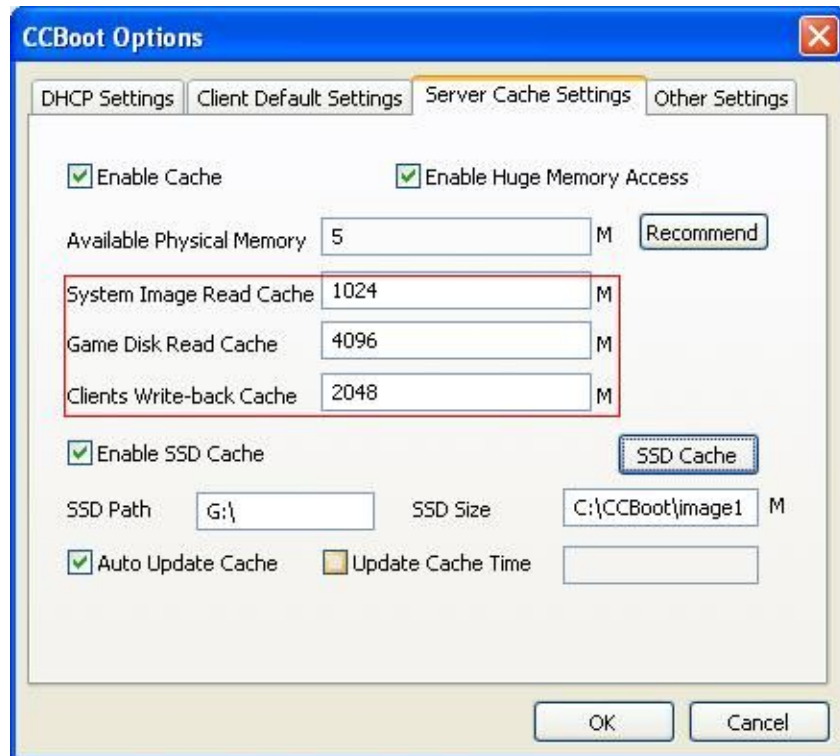


Figure 2

Suppose the SSD is 60GB, please reserve certain SSD space, then allocate the rest (suppose about 58GB) for SSD cache. The recommended SSD cache settings are as bellow.

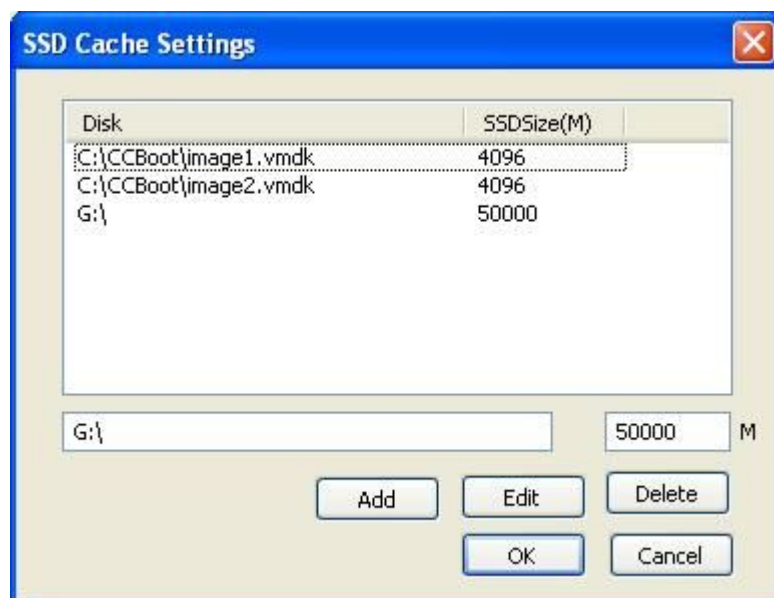


Figure 3

Allocate 4GB for every image, such as image1.vmdk and image2.vmdk. The rest are for Game disk, such as G:\.

Windows 7 for CCBoot Server

1. All drives should be formatted as NTFS. When format drives, set "Allocation unit size" as "Default" for Windows system drive, and set "Allocation unit size" as "32K" for other drives.
2. Please use Windows 7 Ultramate, 64 bit.
3. Allocate hard disks for image, game (raid 0) and write back (2-3 hard disks). If you have an SSD disk, please format it to only one partition for cache.
4. Download CCBoot Server install package for 64 bit, install and register.
<http://www.ccboot.com/download.htm>
5. Install Teamviewer so that we can take a remote control to help if necessary.
6. Recommended Server Cache Settings – “System Image Read Cache” and “Game Disk Read Cache” are the same as Windows Server 2003. Set “Clients Write-back Cache” as 0.
7. Make sure you have enabled the “Enable write caching on the device” for every disk. This will take place of “Clients Write-back Cache” of CCBoot.
 - 1) Click Start, right-click Computer and select Properties.
 - 2) In the left panel, click Device Manager.
 - 3) Expand Disk Drives and right-click on one of the disks.
 - 4) Click the Policies tab and check “Enable Write Caching on the device” to enable (it’s a default setting of Windows 7).
 - 5) To further improve the disk performance (needless to say, higher the risk now), check the box “Turn off Windows write-cache buffer flushing on the device”.
 - 6) Press “OK” to save.
 - 7) Implement step 4) - 6) for other disks.

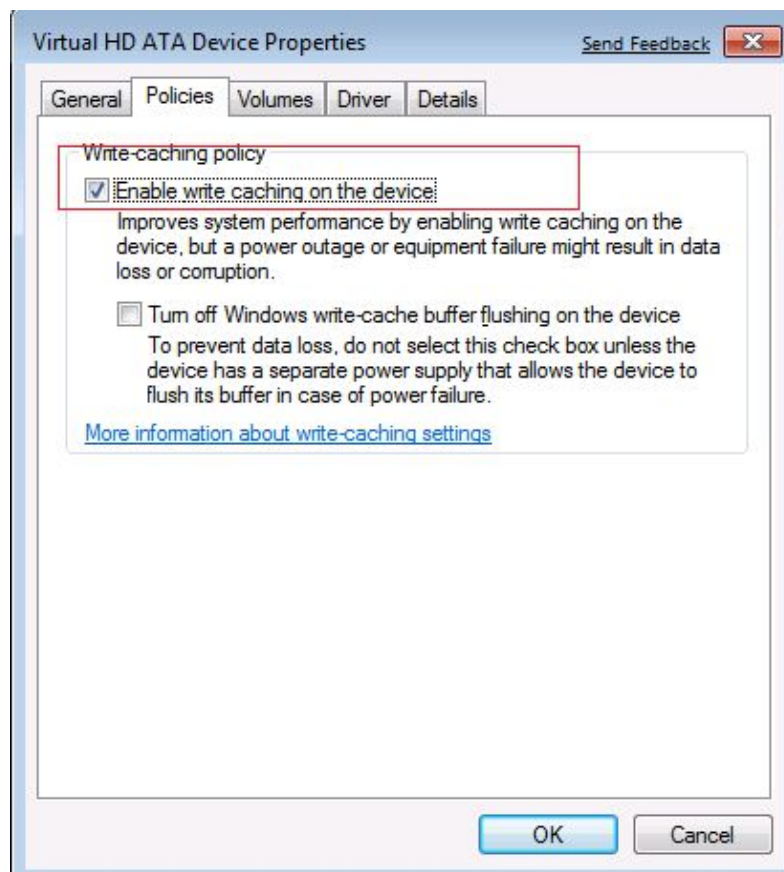


Figure 4

Windows 2008 for CCBoot Server

1. All drives should be formatted as NTFS. When format drives, set "Allocation unit size" as "Default" for Windows system drive, and set "Allocation unit size" as "32K" for other drives.
2. Please use Windows Server 2008 R2, 64 bit.
3. Allocate hard disks for image, game (raid 0) and write back (2-3 hard disks). If you have an SSD disk, please format it to only one partition for cache.
4. Download CCBoot Server install package for 64 bit, install and register.
<http://www.ccboot.com/download.htm>
5. Install Teamviewer so that we can take a remote control to help if necessary.
6. Recommended Server Cache Settings – the same as Windows 7.
7. Make sure you have enabled the “Enable write caching on the device” for every disk. This will take place of “Clients Write-back Cache” of CCBoot.
 - 1) Click Start, right-click Computer and select Properties.
 - 2) In the left panel, click Device Manager.
 - 3) Expand Disk Drives and right-click on one of the disks.
 - 4) Click the Policies tab and check “Enable Write caching on the device” to enable (it’s a default setting of Windows 2008).
 - 5) To further improve the disk performance (needless to say, higher the risk now), check the box “Enable Advanced Performance”.
 - 6) Press “OK” to save.
 - 7) Implement step 4) - 6) for other disks.

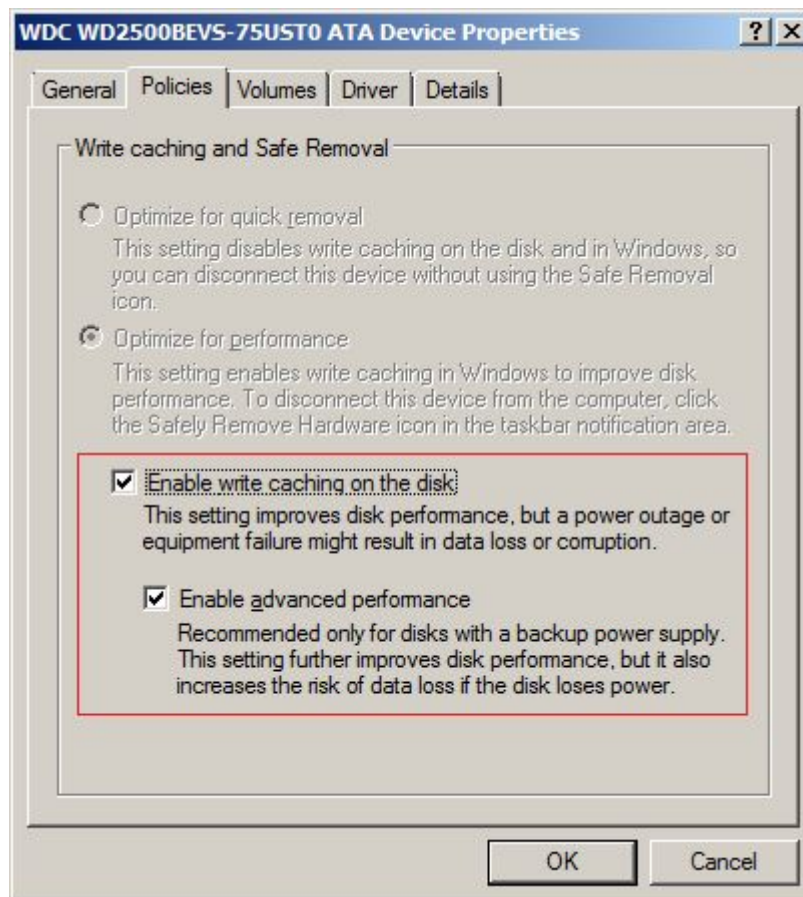


Figure 5

Create Image

1. The Windows system drive should be formatted as NTFS and set the "Allocation unit size" as "Default" then install Windows XP on client computer.
2. Run "compmgmt.msc" command, "Computer Management (Local)" -> "Device Manager" -> "IDE ATA/ATAPI controllers" -> "Primary IDE Channel" -> "Properties" -> "Advanced Settings" -> Set "Device Type" as "None" for both Device 0 and Device 1.

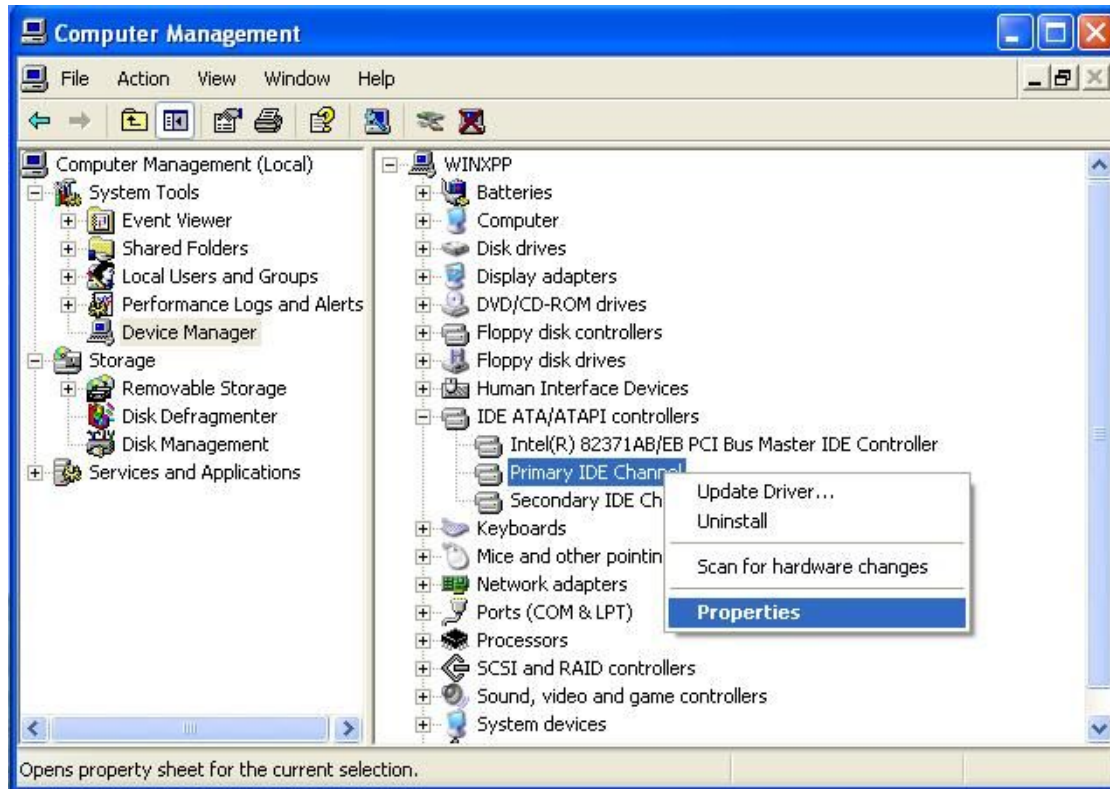


Figure 6

3. Run "eventvwr.msc" command, clear all logs.
4. Install only NIC driver, chips driver and other low level drivers on this master PC.
5. Download CCBootClient install package; keep all default settings to install.
<http://www.ccboot.com/download.htm>
6. Reboot PC then upload image.