

with this step by step guide you create a 10gb server 2012r2core VHD that you can boot in ram. (OS is 4.5gb, rest is for music files load in ram)

with this version you can use hqplayer, bughead, foobar, Aplayer, Jriver and others in core mode kernelstreaming and asio are working.

in this setup we don't use usb-stick for bootfiles, everything is written to ssd!

the audio-pc must have 16gb ram

TOOLS WE NEED:

WinNTsetup, VDH\_W8C, Fira-disk driver 1.30 + "TESTSIGNROOTCA" it's also on the fira-disk website, BCDeasy and AUTOLOGON from microsoft and TOTAL commander (to move/copy files in core mode)

install Bcdeasy in your main OS to manage boot entries.

what we need else:

server2012r2 iso or extracted on ssd/hdd

pc with w7/8/8.1

a ssd/hdd, i use 60gb ssd. i give the name AUDIO-PC

plug in the ssd to your computer, start into your main OS

open winNTsetup x64

look for VHD button, it's right down-create vhd-fixed size-size 15gb-(give the name you want)-destination: AUDIO-pc-ssd. the new VHD will be mounted as drive "Z".

go back to main window

there are 3 main entries in Ntsetup:

1. sourcefile=Server2012r2- look inside for sources/install.wim or rightclick for ISO

2. Bootdrive=AUDIO-PC SSD

3. Install Drive= the new created VHD drive "Z"

Options/Edition: it must show server 2012 r2 standard with gui!

TWEAKS= disable pagefile / disable hibernate. everything else  
it's win8 related

Setup=enable: find and add windows version already  
installed, hit O.K.

after the first setup part is finish, reboot to bios, CHANGE!  
the disk to AUDIO\_PC SSD and reboot

now you have 2 entry in bootmanager: server2012r2 standart  
(VHD)

and your main OS

boot back to server 2012r2 VHD to finish the setup

open server manager-manage-properties:

Do not start Server Manager automatically at logon

now install:

"Autologon" from microsoft

Firadisk driver: open CMD, type: BCDEDIT /set Testsigning on

doubleclick on "TESTSIGNROOTCA"

install driver: rightclick install, reboot.

about "OS-ACTIVATION" some say it's more stable, it will add  
some files... anyway after the VHD\_W8c shrinking process  
activation it's gone

copy the core "tweak" folders system32/syswow64 and reg. entry  
HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\kstchunk  
into C:\

IMPORTED! don't install any other software or driver. VHD\_W8C  
will remove it through the shrinking process.

start server manager/manage/ remove roles and Features

go to features/user interfaces and infrastructure

disable it/ next window: enable restart destination Server...

after reboot your are in core mode.

reboot to main os,mount the vhd and copy TOTAL comander to VHD.

reboot back to VHD, open Total Comander

copy system32/syswow64 folder back in windows/system32/syswow64.

after that scroll down in windows folder and look for "regedit" open it, import HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\kstchunk.

first part it's done!

now boot into your second entry, the main OS

open VHD\_W8C

load the VHD

disable every thing, let only "Make boot menue" enabled

Bootdrive:AUDIO\_PC ssd ! you will get a warning but no problem,hit o.k.(this tool is orginal for to boot with usbstick)

Systemdrive:AUDIO\_PC ssd

VHD size: 10gb

Hit go

first it will mount the VHD

after while a windows pop up about "Userpath", go to the mounted VHD-klick on admistrator,klick o.k.

when setup is finish reboot, now you have 4 entrys in the boot manager:

main OS

Server2012r2-VHD (you can remove and store it)

W864USP1.VHD (the shrinked core version)

Grub4dos

With BCDeasy you can change/add/rename/delete Boot entries!

boot now W864uspl-vhd and install software & driver  
boot back to W864uspl-vhd to safe the chances.

now you can boot in Grub4dos: go down to Fira-Ramdisk and enter. don't use Fira-File-Disk!  
sometimes the ramdisc don't boot, no panic,try again.

Boot count up starts,goes up to 10000!

finaly the ramdisk starts