

Virtualbox

Raw disk access to partition

```
# @Elevated command prompt
.\VBoxManage internalcommands listpartitions -rawdisk "\\.\PhysicalDrive0"
.\VBoxManage internalcommands createrawvmdk -filename
D:\Virtualbox\raw_disk.vmdk -rawdisk "\\.\PhysicalDrive0" -partitions 7
```

VirtualKD

```
.\VBoxManage.exe setextradata "win7_x64_2"
VBoxInternal/Devices/VirtualKD/0/Config/Path
"D:\Titannet\Projekte\Windows\Kernel\Software\VirtualKD-3.0\kdclient64.dll"
```

Paravirtualized debugging

```
# https://www.virtualbox.org/manual/ch09.html#gimdebughyperv
# https://download.virtualbox.org/virtualbox/6.0.0\_RC1/UserManual.pdf

.\vboxmanage showvminfo "VM name" | select-string paravirt
kdvm.dll

VBoxManage modifyvm "VM name" --paravirtdebug "enabled=1"

VBoxManage modifyvm "VM name" --paravirtdebug
"enabled=1,address=10.22.6.40,port=50001"

netsh int ip set address "local area connection" static 10.22.6.41
255.255.255.0

bcdedit /set loadoptions
host_ip=5.5.5.5,host_port=50000,encryption_key=5.6.7.8
bcdedit /set dbgtransport kdvm.dll

bcdedit /set debug on
# bcdedit /set bootdebug on ##win8+
# bcdedit /set {bootmgr} bootdebug on

C:\Windows\system32>bcdedit /set loadoptions
host_ip="1.2.3.4",host_port=50001,e
ncryption_key="5.6.7.8"
```

```
<code> netsh interface ipv4 set address name="Local Area Connection" static 10.22.6.41  
255.255.255.0 bcdedit /set loadoptions host_ip=5.5.5.5,host_port=50001,encryption_key=5.6.7.8  
netsh interface ipv4 set address name="Local Area Connection" static 10.22.6.42 255.255.255.0  
bcdedit /set loadoptions host_ip=5.5.5.5,host_port=50002,encryption_key=5.6.7.8 netsh interface  
ipv4 set address name="Local Area Connection" static 10.22.6.43 255.255.255.0 bcdedit /set  
loadoptions host_ip=5.5.5.5,host_port=50003,encryption_key=5.6.7.8 <code>
```