

MEmu Command Line Management Interface Version 4.3.20_OSE
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Usage:

MEmuManage [<general option>] <command>

General Options:

[-v|--version] print version number and exit
[-q|--nologo] suppress the logo
[--settingspw <pw>] provide the settings password
[--settingspwfile <file>] provide a file containing the settings password

Commands:

list [--long|-l] vms|runningvms|ostypes|hostdvds|hostfloppies|
intnets|bridgedifs|hostonlyifs|natnets|dhcpservers|
hostinfo|hostcpuids|hddbackends|hdds|dvds|floppies|
usbhost|usbfilters|systemproperties|extpacks|
groups|webcams

showvminfo <uuid|vmname> [--details]
[--machinereadable]

showvminfo <uuid|vmname> --log <idx>

registervm <filename>

unregistervm <uuid|vmname> [--delete]

createvm --name <name>
[--groups <group>, ...]
[--ostype <ostype>]
[--register]
[--basefolder <path>]
[--uuid <uuid>]

modifyvm <uuid|vmname>
[--name <name>]
[--groups <group>, ...]
[--description <desc>]
[--ostype <ostype>]
[--iconfile <filename>]
[--memory <memorysize in MB>]
[--pagefusion on|off]
[--vram <vramsize in MB>]
[--acpi on|off]
[--pciattach 03:04.0]
[--pciattach 03:04.0@02:01.0]
[--pcidetach 03:04.0]
[--ioapic on|off]
[--hpet on|off]
[--triplefaultreset on|off]
[--hwvirtex on|off]
[--nestedpaging on|off]
[--largepages on|off]

```

[--vtxvpid on|off]
[--vtxux on|off]
[--pae on|off]
[--longmode on|off]
[--synthcpu on|off]
[--cpuidset <leaf> <eax> <ebx> <ecx> <edx>]
[--cpuidremove <leaf>]
[--cpuidremoveall]
[--hardwareuuid <uuid>]
[--cpus <number>]
[--cpuhotplug on|off]
[--plugcpu <id>]
[--unplugcpu <id>]
[--cpuexecutioncap <1-100>]
[--rtcuseutc on|off]
[--graphicscontroller none|memuvga|vmsvga]
[--monitorcount <number>]
[--accelerate3d on|off]
[--accelerate2dvideo on|off]
[--firmware bios|efi|efi32|efi64]
[--chipset ich9|piix3]
[--bioslogofadein on|off]
[--bioslogofadeout on|off]
[--bioslogodisplaytime <msec>]
[--bioslogoimagepath <imagepath>]
[--biosbootmenu disabled|menuonly|messageandmenu]
[--biossystemtimeoffset <msec>]
[--biospxedebg on|off]
[--boot<1-4> none|floppy|dvd|disk|net>]
[--nic<1-N> none|null|nat|bridged|intnet|hostonly|
generic|natnetwork]
[--nictype<1-N> Am79C970A|Am79C973|
82540EM|82543GC|82545EM|
virtio]
[--cableconnected<1-N> on|off]
[--nictrace<1-N> on|off]
[--nictracefile<1-N> <filename>]
[--nicproperty<1-N> name=[value]]
[--nicspeed<1-N> <kbps>]
[--nicbootprio<1-N> <priority>]
[--nicpromisc<1-N> deny|allow-vms|allow-all]
[--nicbandwidthgroup<1-N> none|<name>]
[--bridgeadapter<1-N> none|<devicename>]
[--hostonlyadapter<1-N> none|<devicename>]
[--intnet<1-N> <network name>]
[--nat-network<1-N> <network name>]
[--nicgenericdrv<1-N> <driver>]
[--natnet<1-N> <network>|default]
[--natsettings<1-N> [<mtu>],[<socksnd>],
[<sockrcv>],[<tcpsnd>],
[<tcprcv>]]
[--natpf<1-N> [<rulename>],tcp|udp,[<hostip>],
<hostport>,[<guestip>],[<guestport>]
[--natpf<1-N> delete <rulename>]
[--nattftpprefix<1-N> <prefix>]
[--nattftpfile<1-N> <file>]
[--nattftpserver<1-N> <ip>]
[--natbindip<1-N> <ip>]
[--natdnspassdomain<1-N> on|off]

```

```

[--natdnsproxy<1-N> on|off]
[--natdnshostresolver<1-N> on|off]
[--nataliasmode<1-N> default|[log],[proxyonly],
[sameports]]
[--macaddress<1-N> auto|<mac>]
[--mouse ps2|usb|usbtablet|usbmultipoint]
[--keyboard ps2|usb]
[--uart<1-N> off|<I/O base> <IRQ>]
[--uartmode<1-N> disconnected|
server <pipe>|
client <pipe>|
file <file>|
<devicename>]
[--lpt<1-N> off|<I/O base> <IRQ>]
[--lptmode<1-N> <devicename>]
[--guestmemoryballoon <balloonsize in MB>]
[--audio none|null|dsound]
[--audiocontroller ac97|hda|sb16]
[--clipboard disabled|hosttoguest|guesttohost|
bidirectional]
[--draganddrop disabled|hosttoguest]
[--vrde on|off]
[--vrdeextpack default|<name>]
[--vrdeproperty <name=[value]>]
[--vrdeport <hostport>]
[--vrdeaddress <hostip>]
[--vrdeauthtype null|external|guest]
[--vrdeauthlibrary default|<name>]
[--vrdemulticon on|off]
[--vrdereusecon on|off]
[--vrdevideochannel on|off]
[--vrdevideochannelquality <percent>]
[--usb on|off]
[--usbehci on|off]
[--snapshotfolder default|<path>]
[--teleporter on|off]
[--teleporterport <port>]
[--teleporteraddress <address|empty>]
[--teleporterpassword <password>]
[--teleporterpasswordfile <file>|stdin]
[--tracing-enabled on|off]
[--tracing-config <config-string>]
[--tracing-allow-vm-access on|off]
[--usbcardreader on|off]
[--autostart-enabled on|off]
[--autostart-delay <seconds>]
[--defaultfrontend default|<name>]

```

clonevm

```

<uuid|vmname>
[--snapshot <uuid>|<name>]
[--mode machine|machineandchildren|all]
[--options link|keepallmacs|keepnatmacs|
keepdisknames]
[--name <name>]
[--groups <group>, ...]
[--basefolder <basefolder>]
[--uuid <uuid>]
[--register]

```

```

import <ovfname/ovaname>
[--dry-run|-n]
[--options keepallmacs|keepnatmacs]
[more options]
(run with -n to have options displayed
 for a particular OVF)

export <machines> --output|-o <name>.<ovf/ova>
[--legacy09|--ovf09|--ovf10|--ovf20]
[--manifest]
[--iso]
[--options manifest|iso|nomacs|nomacsbutnat]
[--vsys <number of virtual system>]
    [--product <product name>]
    [--producturl <product url>]
    [--vendor <vendor name>]
    [--vendorurl <vendor url>]
    [--version <version info>]
    [--description <description info>]
    [--eula <license text>]
    [--eulafile <filename>]

startvm <uuid|vmname>...
[--type gui|sdl|headless]

controlvm <uuid|vmname>
pause|resume|reset|poweroff|savestate|
acpipowerbutton|acpisleepbutton|
keyboardputscancode <hex> [<hex> ...]|
setlinkstate<1-N> on|off |
nic<1-N> null|nat|bridged|intnet|hostonly|generic|
    natnetwork [<devicename>] |
nictrace<1-N> on|off |
nictracefile<1-N> <filename> |
nicproperty<1-N> name=[value] |
nicpromisc<1-N> deny|allow-vm|allow-all |
natpf<1-N> [<rulename>],tcp|udp,[<hostip>],
    <hostport>,[<guestip>],[<guestport>] |
natpf<1-N> delete <rulename> |
guestmemoryballoon <balloonsize in MB> |
usbattach <uuid>|<address> |
usbdetach <uuid>|<address> |
clipboard disabled|hosttguest|guesttohost|
    bidirectional |
draganddrop disabled|hosttguest |
vrde on|off |
vrdeport <port> |
vrdeproperty <name=[value]> |
vrdevideochannelquality <percent> |
setvideomodehint <xres> <yres> <bpp>
    [[<display>] [<enabled:yes|no> |
    [<xorigin> <yorigin>]]] |
screenshotpng <file> [display] |
vcpenabled on|off |
vcpscreens all|none|<screen>,[<screen>...] |
setcredentials <username>
    --passwordfile <file> | <password>
    <domain>
    [--allowlocallogon <yes|no>] |

```

```

teleport --host <name> --port <port>
        [--maxdowntime <msec>]
        [--passwordfile <file> |
        --password <password>] |
plugcpu <id> |
unplugcpu <id> |
cpuexecutioncap <1-100>
webcam <attach [path [settings]]> | <detach [path]> |
<list>

discardstate          <uuid|vmname>

adoptstate            <uuid|vmname> <state_file>

snapshot              <uuid|vmname>
take <name> [--description <desc>] [--live] |
delete <uuid|snapname> |
restore <uuid|snapname> |
restorecurrent |
edit <uuid|snapname>|--current
        [--name <name>]
        [--description <desc>] |
list [--details|--machinereadable]
showvminfo <uuid|snapname>

closemedium           disk|dvd|floppy <uuid|filename>
[--delete]

storageattach         <uuid|vmname>
--storagectl <name>
[--port <number>]
[--device <number>]
[--type dvddrive|hdd|fdd]
[--medium none|emptydrive|additions|
        <uuid|filename>|host:<drive>|iscsi]
[--mtype normal|writethrough|immutable|shareable|
        readonly|multiattach]
[--comment <text>]
[--setuuid <uuid>]
[--setparentuuid <uuid>]
[--passthrough on|off]
[--tempeject on|off]
[--nonrotational on|off]
[--discard on|off]
[--bandwidthgroup <name>]
[--forceunmount]
[--server <name>|<ip>]
[--target <target>]
[--tport <port>]
[--lun <lun>]
[--encodedlun <lun>]
[--username <username>]
[--password <password>]
[--initiator <initiator>]
[--intnet]

storagectl            <uuid|vmname>
--name <name>
[--add ide|sata|scsi|floppy|sas]

```

```

[--controller LSILogic|LSILogicSAS|BusLogic|
               IntelAHCI|PIIX3|PIIX4|ICH6|I82078]
[--portcount <1-30>]
[--hostiocache on|off]
[--bootable on|off]
[--remove]

bandwidthctl    <uuid|vmname>
                 add <name> --type disk|network
                   --limit <megabytes per second>[k|m|g|K|M|G] |
                 set <name>
                   --limit <megabytes per second>[k|m|g|K|M|G] |
                 remove <name> |
                 list [--machinereadable]
                 (limit units: k=kilobit, m=megabit, g=gigabit,
                   K=kilobyte, M=megabyte, G=gigabyte)

showhinfo      <uuid|filename>

createhd       --filename <filename>
               [--size <megabytes>|--sizebyte <bytes>]
               [--diffparent <uuid>|<filename>]
               [--format VDI|VMDK|VHD] (default: VDI)
               [--variant Standard,Fixed,Split2G,Stream,ESX]

modifyhd       <uuid|filename>
               [--type normal|writethrough|immutable|shareable|
                 readonly|multiattach]
               [--autoreset on|off]
               [--property <name=[value]>]
               [--compact]
               [--resize <megabytes>|--resizebyte <bytes>]

clonehd        <uuid|inputfile> <uuid|outputfile>
               [--format VDI|VMDK|VHD|RAW|<other>]
               [--variant Standard,Fixed,Split2G,Stream,ESX]
               [--existing]

convertfromraw <filename> <outputfile>
               [--format VDI|VMDK|VHD]
               [--variant Standard,Fixed,Split2G,Stream,ESX]
               [--uuid <uuid>]

convertfromraw stdin <outputfile> <bytes>
               [--format VDI|VMDK|VHD]
               [--variant Standard,Fixed,Split2G,Stream,ESX]
               [--uuid <uuid>]

getextradata   global|<uuid|vmname>
               <key>|enumerate

setextradata   global|<uuid|vmname>
               <key>
               [<value>] (no value deletes key)

setproperty    machinefolder default|<folder> |
               hwvirtexclusive on|off |
               vrdeauthlibrary default|<library> |
               webservauthlibrary default|null|<library> |
               vrdeextpack null|<library> |

```

```

autostartdbpath null|<folder> |
loghistorycount <value>
defaultfrontend default|<name>

usbfilter
add <index,0-N>
--target <uuid|vmname>|global
--name <string>
--action ignore|hold (global filters only)
[--active yes|no] (yes)
[--vendorid <XXXX>] (null)
[--productid <XXXX>] (null)
[--revision <IIFF>] (null)
[--manufacturer <string>] (null)
[--product <string>] (null)
[--remote yes|no] (null, VM filters only)
[--serialnumber <string>] (null)
[--maskedinterfaces <XXXXXXXX>]

usbfilter
modify <index,0-N>
--target <uuid|vmname>|global
[--name <string>]
[--action ignore|hold] (global filters only)
[--active yes|no]
[--vendorid <XXXX>|""]
[--productid <XXXX>|""]
[--revision <IIFF>|""]
[--manufacturer <string>|""]
[--product <string>|""]
[--remote yes|no] (null, VM filters only)
[--serialnumber <string>|""]
[--maskedinterfaces <XXXXXXXX>]

usbfilter
remove <index,0-N>
--target <uuid|vmname>|global

sharedfolder
add <uuid|vmname>
--name <name> --hostpath <hostpath>
[--transient] [--readonly] [--automount]

sharedfolder
remove <uuid|vmname>
--name <name> [--transient]

guestproperty
get <uuid|vmname>
<property> [--verbose]

guestproperty
set <uuid|vmname>
<property> [<value> [--flags <flags>]]

guestproperty
delete|unset <uuid|vmname>
<property>

guestproperty
enumerate <uuid|vmname>
[--patterns <patterns>]

guestproperty
wait <uuid|vmname> <patterns>
[--timeout <msec>] [--fail-on-timeout]

guestcontrol
<uuid|vmname>

```

```
exec[ute]
--image <path to program> --username <name>
[--passwordfile <file> | --password <password>]
[--domain <domain>] [--verbose] [--timeout <msec>]
[--environment "<NAME>=<VALUE> [<NAME>=<VALUE>"]"]
[--wait-exit] [--wait-stdout] [--wait-stderr]
[--dos2unix] [--unix2dos]
[-- [<argument1>] ... [<argumentN>]]
```

```
copyfrom
<guest source> <host dest> --username <name>
[--passwordfile <file> | --password <password>]
[--domain <domain>] [--verbose]
[--dryrun] [--follow] [--recursive]
```

```
copyto|cp
<host source> <guest dest> --username <name>
[--passwordfile <file> | --password <password>]
[--domain <domain>] [--verbose]
[--dryrun] [--follow] [--recursive]
```

```
createdir[ectory]|mkdir|md
<guest directory>... --username <name>
[--passwordfile <file> | --password <password>]
[--domain <domain>] [--verbose]
[--parents] [--mode <mode>]
```

```
removedir[ectory]|rmdir
<guest directory>... --username <name>
[--passwordfile <file> | --password <password>]
[--domain <domain>] [--verbose]
[--recursive|-R|-r]
```

```
removefile|rm
<guest file>... --username <name>
[--passwordfile <file> | --password <password>]
[--domain <domain>] [--verbose]
```

```
ren[ame]|mv
<source>... <dest> --username <name>
[--passwordfile <file> | --password <password>]
[--domain <domain>] [--verbose]
```

```
createtemp[orary]|mktemp
<template> --username <name>
[--passwordfile <file> | --password <password>]
[--directory] [--secure] [--tmpdir <directory>]
[--domain <domain>] [--mode <mode>] [--verbose]
```

```
list <all|sessions|processes|files> [--verbose]
```

```
process kill --session-id <ID>
              | --session-name <name or pattern>
              [--verbose]
              <PID> ... <PID n>
```

```
[p[s]]kill --session-id <ID>
            | --session-name <name or pattern>
            [--verbose]
```



```

        <PID> ... <PID n>

    session close --session-id <ID>
                  | --session-name <name or pattern>
                  | --all
                  [--verbose]

    stat
    <file>... --username <name>
    [--passwordfile <file> | --password <password>]
    [--domain <domain>] [--verbose]

    updateadditions
    [--source <guest additions .ISO>] [--verbose]
    [--wait-start]
    [-- [<argument1>] ... [<argumentN>]]

    watch [--verbose]

debugvm
<uuid|vmname>
dumpguestcore --filename <name> |
info <item> [args] |
injectnmi |
log [--release|--debug] <settings> ...|
logdest [--release|--debug] <settings> ...|
logflags [--release|--debug] <settings> ...|
osdetect |
osinfo |
getregisters [--cpu <id>] <reg>|all ... |
setregisters [--cpu <id>] <reg>=<value> ... |
show [--human-readable|--sh-export|--sh-eval|
      --cmd-set]
      <logdbg-settings|logrel-settings>
      [[opt] what ...] |
statistics [--reset] [--pattern <pattern>]
[--descriptions]

metrics
list [*|host|<vmname> [<metric_list>]]
      (comma-separated)

metrics
setup
[--period <seconds>] (default: 1)
[--samples <count>] (default: 1)
[--list]
[*|host|<vmname> [<metric_list>]]

metrics
query [*|host|<vmname> [<metric_list>]]

metrics
enable
[--list]
[*|host|<vmname> [<metric_list>]]

metrics
disable
[--list]
[*|host|<vmname> [<metric_list>]]

metrics
collect
[--period <seconds>] (default: 1)
[--samples <count>] (default: 1)

```

```

[--list]
[--detach]
[*|host|<vmname> [<metric_list>]]

natnetwork      add --netname <name>
                --network <network>
                [--enable|--disable]
                [--dhcp on|off]
                [--port-forward-4 <rule>]
                [--loopback-4 <rule>]
                [--ipv6 on|off]
                [--port-forward-6 <rule>]
                [--loopback-6 <rule>]

natnetwork      remove --netname <name>

natnetwork      modify --netname <name>
                [--network <network>]
                [--enable|--disable]
                [--dhcp on|off]
                [--port-forward-4 <rule>]
                [--loopback-4 <rule>]
                [--ipv6 on|off]
                [--port-forward-6 <rule>]
                [--loopback-6 <rule>]

natnetwork      start --netname <name>

natnetwork      stop --netname <name>

hostonlyif      ipconfig <name>
                [--dhcp |
                --ip<ipv4> [--netmask<ipv4> (def: 255.255.255.0)] |
                --ipv6<ipv6> [--netmasklengthv6<length> (def: 64)]]
                create |
                remove <name>

dhcpserver      add|modify --netname <network_name> |
                --ifname <hostonly_if_name>
                [--ip <ip_address>
                --netmask <network_mask>
                --lowerip <lower_ip>
                --upperip <upper_ip>]
                [--enable | --disable]

dhcpserver      remove --netname <network_name> |
                --ifname <hostonly_if_name>

extpack         install [--replace] <tarball> |
                uninstall [--force] <name> |
                cleanup

```