

# QEMU-WEB-DESKTOP.PL

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## NAME

qemu-web-desktop.pl - control qemu-web-desktop

## SYNOPSIS

**qwdctl** [*help/download/refresh/status/start VM/stop/gpu/gpu-unlock/enable/disable/purge/edit*]  
...

## DESCRIPTION

controls the availability of virtual machines for the qemu-web-desktop.  
In addition, the status of the running sessions can be displayed and  
it is possible to start virtual machines manually and display them in  
a browser.

## OPTIONS:

**--help**|help|-h

show this help.

**--disable**|disable VM|one-shot|gpu

deactivate a [VM] entry. 'qwdctl **--disable** one-shot' disables the one-shot section in */usr/share/qemu-web-desktop/html/desktop/index.html*.  
'qwdctl **--disable** gpu' disables the GPU support (same as **--gpu-unlock**).

**--download**|download|update

scan the */etc/qemu-web-desktop/machines.conf* file for [name.ext]  
and download them when URL are given. a 'qwdctl **--refresh**' is then

performed. Virtual machine images are stored into */var/lib/qemu-web-desktop/machines*. Additional machine descriptions can be given in */etc/qemu-web-desktop/config.d/\**.ini files.

**--edit**|edit [machines|config|web|VM]

edit the machines list, the service configuration file or the service web page. In the case of the machines list, the 'qwdctl **--download**' command is triggered automatically after edit. When given a VM name, the file holding the [VM] entry is edited. Set the \$EDITOR variable to select the text editor to use. In case the 'qwdctl edit machines' has no effect on the index.html service landing page, specify set 'QWDCTL\_INSERT=yes' or option **--machine-insert**. It is recommended to use the **--enable** and **--disable** to manage the VM/machine list.

**--enable**|enable VM|FILE|URL|one-shot|gpu {'DESCRIPTION'}

add or (re)activate a [VM] entry, file or URL. Optional description is given as a string. 'qwdctl **--enable** one-shot' activates the one-shot section in */usr/share/qemu-web-desktop/html/desktop/index.html*. 'qwdctl **--enable** gpu' activates the GPU support (same as **--gpu**).

**--gpu**|gpu VENDOR:MODEL

configure GPU for pass-through. The GPU\_ids are e.g. '10de:1d01'.

**--gpu-unlock**|gpu-unlock

unlock/re-attach all GPU's to server (uninstall pass-through).

**--machine-insert**

used with **--download**/--refresh, force to modify the */usr/share/qemu-web-desktop/html/desktop/index.html* landing page instead of using an include. Same as QWDCTL\_INSERT=yes shell variable.

**--refresh**|refresh

scan the */etc/qemu-web-desktop/machines.conf* file, and generate the */var/lib/qemu-web-desktop/machines.html* that lists available images to show in the qemu-web-desktop main form. Additional machine descriptions can be given in */etc/qemu-web-desktop/config.d/\**.ini files.

**--status**|status

list running sessions, as well as enabled and disabled machines.

**--start**|start VM ...

start the given VM or ISO file (full path) in a browser. Connect to it with the displayed URL. Further arguments are passed to the service

(see config.pl) e.g. **--snapshot\_alloc\_mem=1** (in GB) and **--snapshot\_alloc\_cpu=2**. Changes are lost except when specifying option **--snapshot\_use\_master=1**, requiring write access. When running ISO's you may also specify **--snapshot\_alloc\_disk=40** (in GB). Use 'qwdctl **--start**' to get the full list of default VM settings.

**--stop**|stop TOKEN

stop sessions matching TOKEN. Some snapshot files may be left-over.

**--purge**|purge {VMNAME}

remove VM files which are inactive and not used. When VM argument is given, only files starting by 'VM' are checked.

**--version**|version|-v

show qwdctl version.

**--yes**|-y

assume yes to questions. Same as QWDCTL\_YES=1 shell variable.

## AUTHOR:

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## FILES:

The QWD service configuration is defined in: - */etc/qemu-web-desktop/config.pl* - */etc/qemu-web-desktop/config.d/\*.pl*

The QWD available VM's are defined in: - */var/lib/qemu-web-desktop/machines* - */etc/qemu-web-desktop/machines.conf* - */etc/qemu-web-desktop/config.d/\*.ini* Entries should contain lines:

[name.ext or URL] description=<name of machine to appear in the form>

In addition, any line with:

url=<link>

will retrieve the given file with: qwdctl download When the description is missing, the VM file name is used. Supported virtual machine formats: ISO, QCOW2, VDI, VMDK, RAW, VHD/VHDX, QED

The QWD landing/login page is in: - */usr/share/qemu-web-desktop/html/desktop/index.html* - */var/lib/qemu-web-desktop/machines.html*

The QWD service script is in: - */home/farhi/src/qemu-web-desktop.gitlab/cgi-bin/qemu-web-desktop.pl*

- <https://gitlab.com/soleil-data-treatment/soleil-software-projects/qemu-web-desktop>

## ENVIRONMENT VARIABLES:

**EDITOR** Set the text editor to use, e.g. nano. Default is to use 'nano' or \$EDITOR.

QWDCtrl\_INSERT=yes is equivalent to setting **--machine-insert**.

QWDCtrl\_YES=1 is equivalent to setting **--yes** (skip confirm).

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## SEE ALSO

The full documentation for **qemu-web-desktop.pl** is maintained as a Texinfo manual. If the **info** and **qemu-web-desktop.pl** programs are properly installed at your site, the command

**info qemu-web-desktop.pl**

should give you access to the complete manual.