

# Windows Virtuals

## Shutdown and Reboot don't work

If you can not issue the command

```
virsh shutdown domname
```

where *domname* is a running domain, the problem may be that the QEMU guest agent is either not installed on your Windows virtual, or the configuration for the domain on your hypervisor is not set up.

This assumes you are using the QEMU guest agent which is installed by default when you use the virtio-win drivers.

First, verify that is the problem by issuing

```
virsh shutdown domname --mode agent
```

where *domname* is, again, a running virtual. This forces virsh to try the shutdown only using the QEMU agent, and it will give you an error if it can not do so. On my tests, the error was:

```
error: argument unsupported: QEMU guest agent is not configured
```

which translates to *Your configuration file does not have the necessary information to do this.*

In this case, edit the configuration manually with the command

```
virsh edit domname
```

then find the line which reads `</device>` (the final line of the device section). Insert the following block **above** that line (keeping it in the `<device>` `</device>` section).

```
<channel type='unix'>
  <source mode='bind' path='/var/lib/libvirt/qemu/<guest-name>.agent' />
  <target type='virtio' name='org.qemu.guest_agent.0' />
</channel>
```

**NOTE** change `<guest-name>` to the name of the virtual. Do not leave it as `<guest-name>`.

Save your changes.

Now, log into the virtual and manually shut it down (do not restart, shut down). Back on the hypervisor, start the virtual back up.

Now, running

```
virsh shutdown domname
```

should properly shut down the domain.

## Links

- <https://access.redhat.com/solutions/732773>
- <https://github.com/virt-manager/virt-manager/issues/271>

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