Hello,

after spending some more hours trying to figure out what breaks my windows 7 VM as soon as I install the Qubes Windows Tools, I would like to share what I found out so far.

In short:
It seems that the installation of the "Qubes GUI Agent" within the Qubes Windows Tools create some kind of problem on the Windows 7 VM, as this triggers if I can use the VM or not.

More detailed description to revalidate my experience.
(as this is targeted also at newbies, which will find this via Google, while troubleshooting, I have included every step), sorr :-)

Install a Win7 VM in Qubes OS 3.1
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- Create Windows VM
  qvm-create win7 --hvm --label orange

- Increase initial RAM and max RAM to 4GB (4096)

- Install Windows from .ISO
  qvm-start win7 --cdrom=/home/piit/Downloads/windows_7-Pro-64bit-DE.iso

- Several reboots (=restarts) until Windows is running

- Start VM as final test -> GUI available?
  qvm-start --debug win7

- Clone VM to have a working copy if you screw up during the next steps (win7-plain)

- Install qubes-windows-tools
  qubes-dom0-update --enablerepo=qubes*testing qubes-windows-tools
  or:
  sudo qubes-dom0-update --enablerepo=qubes-dom0-current-testing qubes-windows-tools

- Disable User Login
  Start > cmd.exe (as Administrator)
  netplwiz
  Uncheck "Users must enter a user name and password to use this computer"
  Double check that change have been applied
  Reboot (Login should happen automatically)

- Launch windows with Windows Tools ISO
  qvm-start win7 --install-windows-tools

- Copy Windows Tools to c:\tools

- Allow unsigned drivers (as described in the Readme.txt)

- Increase Timeout
  qvm-prefs -s win7 qrexec_timeout 300

- Install Qubes Tools for Windows

- disable: Xen PV Disk Drivers
  - disable: Qubes GUI Agent
  will ask for a restart after installation

- Next startup will show an information windows:
  "Qubes Tools for Windows
   Qubes private disk image initialized as disk D:.
   User profiles directory will be moved there during the next system boot.
   [OK]"
  Choose "Restart Now"

- On next startup a few command messages will appear, then the desktop is available
  If you check the application menu in Qubes OS, you will find all Windows available there :-)

- Clone the VM to have a working backup, if you screw up your VM during the next steps (win7-ready)

- Restart win7 VM and launch the "Qubes Tools for Windows" Installer again
  (c:\tools\qubes-tools-WIN7x64-3.0.4.1.msi)

- Choose "Change" and install "Qubes GUI Agent", which we have disabled during the first start.

- Open VM Settings and check under the "Basic" Tab if "Seamless GUI" is disabled

- Restart VM and check what happens. In my case the VM was booted into seamless mode (even when this was deactivated in the settings)

- Try to start a windows application from the Qubes OS menu, like Calculator. In my case the icon showed a little bouncing calculator-icon, but no app came up.

- Shutdown VM via right click in Qubes VM Manager. As this didnÄt work within 20 seconds I choose the option "Kill VM" in the popup-window

- Try to restart VM in debug mode "qvm-start --debug win7"
  which leads to a Bluescreen of Death with the message:
  "Quota Underflow"

- At this point I have purged my VM and startet the Clone VM (win7-ready).

Any suggestions if the problem is on my site (misconfiguration at some point) or within the Qubes Windows Tools package (especially the "Qubes GUI Agent")?

At least I'm glad to have Win7 running in "Full Desktop Mode".