

# Windows Guests

- [Windows 10 guest best practices](#)
- [Windows VirtIO Drivers](#)
- [Migration of servers to Proxmox VE](#)

NOTE: QEMU guest agent requires also virtio-serial

## Win7

- WIN7: do not enable KVM storage cache. Writeback cache slows down everything.

## Tuning Guest

- [Performance Tweaks](#)
- Expose native CPU to Guest: Change Processor type to **host**
- Do not enable any caching on storage devices, it slows down everything!
- If HDD is used, create ZFS SLOG and L2ARC cache on SSD/NVM

## Windows 10

- Change
- Disable suspending: "Control Panel" -> "Power Options" -> "Show additional plans" -> "High performance"
- Disable hibernation: `powercfg.exe /hibernate off`
- launch "regedit.exe" and:
  - set value of HKLM\Software\Microsoft\Windows NT\CurrentVersion\winlogon and change "ShutdownWithoutLogon" to 1
  - go to  
HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Power\PowerSettings\7516b95f-f776-4464-8c53-06167f40cc99\8EC4B3A5-6868-48c2-BE75-4F3044BE88A7 and set "Attributes" value to 2
- then go to "Control Panel" -> "System and Security" -> "Power Options" and then -> "Change plan settings" on choosed power plan -> "Change Advanced Power Settings" -> "Display" and set 'Console lock display off timeout' to 0 to disable it

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