

Fedora + Windows VM Appendix Pack

TRX40 AORUS MASTER • Threadripper 3960X • GTX 1080 Host • RTX 3090 VM

Appendix A — BIOS Cheat Sheet (Print This)

Enter BIOS with DEL. Press F2 for Advanced Mode.

- Advanced Mode → Tweaker → Advanced CPU Settings: SVM Mode → Enabled
- Advanced Mode → Settings → IO Ports: IOMMU → Enabled
- Advanced Mode → Settings → IO Ports: Above 4G Decoding → Enabled
- Advanced Mode → Settings → IO Ports: Re-Size BAR → Disabled
- Advanced Mode → Settings → IO Ports: Initial Display Output → GTX 1080 slot
- Advanced Mode → Boot: CSM → Disabled
- Advanced Mode → Boot → Secure Boot: Secure Boot → Disabled

Appendix B — First Boot Expectations

- Fedora installer appears on GTX 1080 display.
- RTX 3090 shows no output until VM is started.
- After VFIO setup, lspci -k shows RTX 3090 bound to vfio-pci.
- When VM starts, RTX 3090 display wakes with OVMF splash.

Appendix C — Failure Recovery Quick Reference

- Black screen VM → verify vfio-pci binding.
- NVIDIA Code 43 → hide KVM + set vendor_id in VM XML.
- VM broken after update → boot previous Fedora kernel.
- USB issues → passthrough entire USB controller.