

# VM Setup

When setting up a Windows VM, whether it's a standard Windows 10/11 or Windows Server, you have to take a few extra steps, to enable the best possible performance for your VM.

## 1. Setup Steps

Follow the steps below, when creating the VM:

<p><a href="#">Bildschirmfoto 2024-03-14 um 09.35.26.png</a></p>	<p>In the first step, simply give your VM a name and click <code>Next</code>.</p>
<p><a href="#">Bildschirmfoto 2024-03-14 um 09.35.55.png</a></p>	<p>Next, select your Windows ISO and click <code>Next</code>.</p> <p>Also Since we are using VirtIO devices, we will need a driver CD, for Windows to load all necessary drivers later. Simply download the ISO <a href="#">here</a>. In Proxmox under <code>Hardware</code> click on <code>Add CD/DVD Drive</code> and select the downloaded VirtIO ISO.</p>

<a href="#">Bildschirmfoto 2024-03-14 um 09.36.08.png</a>	After that, make sure to enable `Qemu Agent`. You can leave the other settings in their default settings, or change the Graphics Card and storage controller according to your hardware setup
<a href="#">Bildschirmfoto 2024-03-14 um 09.37.04.png</a>	Create a new SCSI drive (check the windows requirements for your version for the minimum required storage size) and select `Write back` as Cache, aswell as `Discard` to improve performance. If your storage consists of SSDs, you can enable `SSD emulation`.
<a href="#">Bildschirmfoto 2024-03-14 um 09.37.39.png</a>	For your CPU, select the amount of cores you need and change the Type to `Host`, to significantly boost performance. I'd also recommend enabling `NUMA`
<a href="#">Bildschirmfoto 2024-03-14 um 09.38.02.png</a>	Choose the amount of RAM, you need
<a href="#">Bildschirmfoto 2024-03-14 um 09.38.19.png</a>	Change the network settings according to your Proxmox settings, and select `VirtIO` as Model
	Finish the initial Setup

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