

# 1.0 Installation

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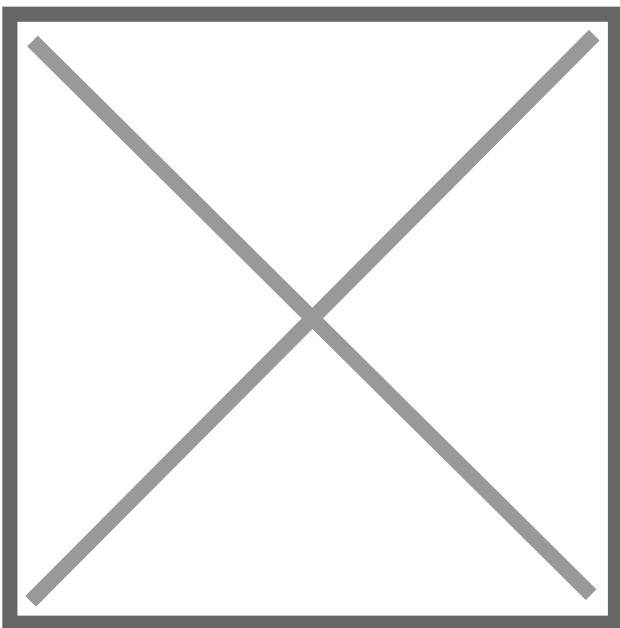
## Materials / Pre-Setup:

- USB Flash drive
  - Machine with [minimum requirements](#)
    - *To make a Proxmox Cluster - 2 minimum, but 3 machines are preferred (for fault tolerance and high availability)*
  - Understand the schema of your network (*i.e. IP subnet, default gateway, etc.*)
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## Installing Proxmox

1. Download [Proxmox Virtual Environment](#) onto any system that you're working with
2. Create a bootable USB download using a USB Creation Tool (multiple approaches stated below)
  - [Rufus](#) (Windows)
  - Ventoy (Windows, macOS, Linux)
  - UNetbootin (Windows, macOS, Linux)

### EXAMPLE USING RUFUS:



3. Insert the newly created USB bootable into the machine that will act as a designated Proxmox server and proceed with installation as you would any other OS installation (may

have to change BIOS settings to boot to USB first)

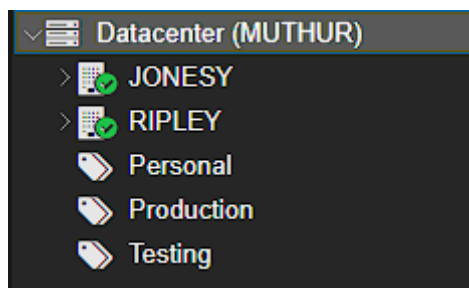
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## Installer Configurations

Once you get to the Proxmox Installer, you'll be prompted with multiple things - examples/suggestions are given below:

- Choose "Install Proxmox VE (Terminal UI)"
- Hostname (FQDN): [PVE NAME].local (*use different names if you're trying to cluster - doesn't matter what you name it*)
- IP Address (CIDR): [IP ADDRESS CIDR] (*e.g. 10.0.0.100/16*)
- Gateway Address: [DEFAULT GATEWAY] (*e.g. 10.0.0.1*)
- DNS Server Address: [DNS SERVER] (*i.e. 10.0.0.1 or public DNS servers: Cloudflare - 8.8.8.8, Google - 1.1.1.1*)

### EXAMPLE OF WHAT IT WILL LOOK LIKE AFTER CONFIGURATIONS:



*In this Proxmox example, the node names follows a theme from the Alien franchise*

*Last Updated: 2/22/2025  
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