

# Install PVE-VDIClient on Arch Linux

## Introduction

This VDI client connects directly to Proxmox VE and allows users to connect (via Spice) to any VMs they have permission to access.

[PVE-VDIClient](#)

## Installation

Install this first:

```
python3-pip python3-tk virt-viewer git
```

```
sudo pacman -S python tk virt-viewer git
git clone https://github.com/joshpatten/PVE-VDIClient.git
cd ./PVE-VDIClient/
chmod +x requirements.sh
./requirements.sh
sudo cp vdiclient.py /usr/local/bin
sudo chmod +x /usr/local/bin/vdiclient.py
cp vdiicon.ico ~/icons/
```

## Configuration

### On the client

~/config/VDIClient/vdiclient.ini

```
[General]
# This is the title that is displayed to the user
title = VDI Login
# This is the PySimpleGui Theme that is used. Run vdiclient.py with flag `--list_themes` for a list of themes
theme = LightBlue
# Program Icon
icon = vdiicon.ico
# Logo displayed on all windows
logo = vdiclient.png
# Enable Kiosk mode, which does not allow the user to close anything
kiosk = False
# Enable/Disable Fullscreen mode (not applicable in Kiosk mode)
fullscreen = False
# Disable viewer_kiosk mode if kiosk is set to true, this allows overriding remote_viewer kiosk mode
#viewer_kiosk = False
# Enable displaying SPICE ini file before opening virt-viewer
inidebug = False
# Select which guest types to display. Acceptable values: both, lxc, qemu
guest_type = both
# Show VM option for resetting VM
#show_reset = True
# Set Window Dimensions. Only use if window isn't sizing properly
#window_width = 800
#window_height = 600

# PVE-VDIClient supports multiple clusters. Define them with sections that start with Hosts. followed by the
name
# you wish to display to your end users. This example is Hosts.PVE which would display PVE to your users
[Hosts.PVE]
# JSON dictionary of servers in the cluster
# Format is 'IP/FQDN': PORT
# NOTE: MAKE SURE THAT ALL LINES ARE INDENTED
hostpool = {
    "pve01.simmy.ch" : 8006,
    "pve02.simmy.ch" : 8006
}
# This is the authentication backend that will be used to authenticate
auth_backend = pve
```

```
# If enabled, 2FA TOTP entry dialog will show
auth_totp = false

# If disabled, TLS certificate will not be checked
tls_verify = false

# User name (if using token)
# NOTE: If only one cluster is defined, this will auto-login
# If user, token_name, and token_value are set
#user = user

# API Token Name
#token_name = dvi

# API Token Value
#token_value = xxx-x-x-x-xxx

# Password Reset Command Launch. Has to be full executable Command
#pwresetcmd = start chrome --app=http://pwreset.example.com

# Automatically connect to a VMID upon authentication
#auto_vmid = 100


# An additional cluster definition
#[Hosts.PVE2]

# JSON dictionary of servers in the cluster
# Format is 'IP/FQDN': PORT
#hostpool = {
#    "10.10.10.100" : 8006,
#    "10.10.10.111" : 8006,
#    "pve1.example.com" : 8006
#    }

# This is the authentication backend that will be used to authenticate
#auth_backend = pve

# If enabled, 2FA TOTP entry dialog will show
#auth_totp = false

# If disabled, TLS certificate will not be checked
#tls_verify = false

# User name (if using token)
# NOTE: If only one cluster is defined, this will auto-login
#user = user

# API Token Name
#token_name = dvi

# API Token Value
#token_value = xxx-x-x-x-xxx

# Password Reset Command Launch. Has to be full executable Command
```

```
#pwresetcmd = start chrome --app=http://pwreset.example.com
```

```
# Automatically connect to a VMID upon authentication
```

```
#auto_vmid = 100
```

```
[SpiceProxyRedirect]
```

```
# The Spice Proxy provided by the Proxmox API may need to have its host/port rewritten
```

```
# These rewrite rules are written `IP:port = IP:port`
```

```
# 1. Use the inidebug and read the current proxy=pve1.example.com:3128
```

```
# 2. Add your proxmox ip to the right side e.g. 123.123.123.123:6000
```

```
pve1.example.com:3128 = 192.168.1.99:6000
```

```
#[AdditionalParameters]
```

```
# If you wish to define additional parameters to pass to virt-viewer you may define them here
```

```
# More parameter definitions here: https://www.mankier.com/1/remote-viewer
```

```
# Some Examples:
```

```
# Enable USB passthrough
```

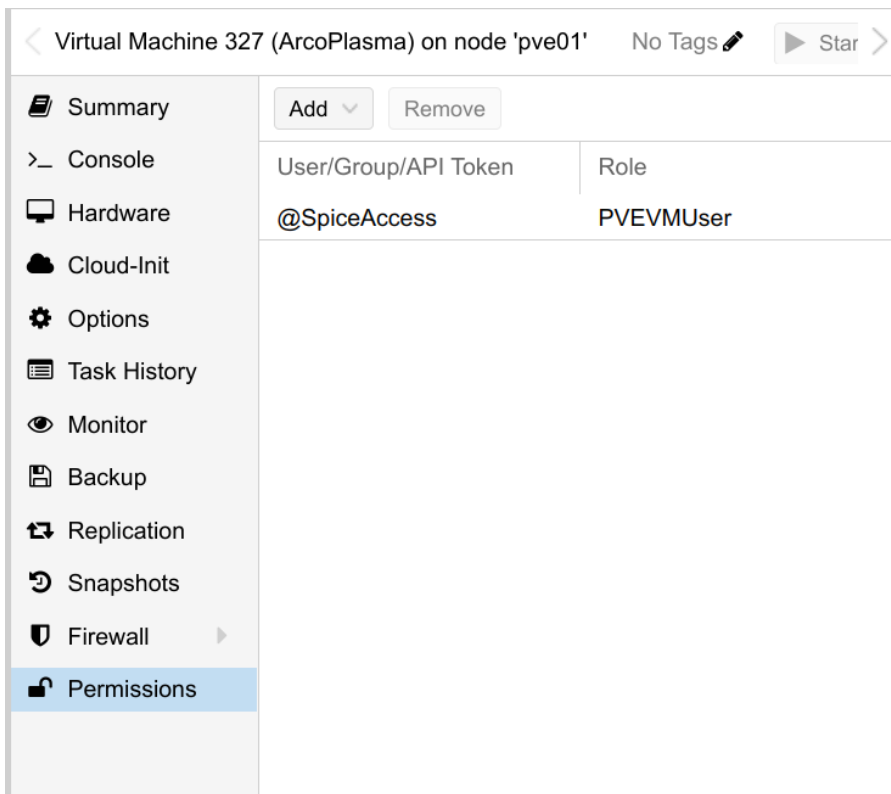
```
#enable-usbredir = true
```

```
# Enable auto USB device sharing
```

```
#enable-usb-autoshare = true
```

## On the Proxmox VE server

1. Create a user (e.g. pvi) in the realm Proxmox VE authentication server
2. Create a group (e.g. Spice Access)
3. Add the group to permissions of all SPICE enabled virtual machines
4. Add the role PVEVMUser



# Licensing

In case there is a warning about Licensing or trial period, you can enter your license key into this file:

~/config/PySimpleGUI/settings/\_PySimpleGUI\_settings\_global\_.json

```
{ "-temp2-": 31082748, "-LICENSE KEY-":
"egyHj1MnawWiNflobjnzN7ISVpHQlbwwZGSvli6FIjKxR3I9dnmhVpsybz3JBKlgcMibleslIjKsXmpPYb2BVVuMcV22V6JV
RrCslc6QMITNciyMNPDRQrzyMXzGAVwnOsCPwUi8TyG9lfj7ZPWU5qzuZpUSRIIOcdGvx9vneDW21MlybInkRXWOZg
XDJUZgaNWA9Nu2IjJcoSxKLiCljPObYAWEl2laRumbIByOck3ZQYiFOQisJdlrbc2bxMn6ZsXWI6iULRC4JD0hY6Wu1Ilm
ThGvFmzWdiCXI36WI7I4N1jcazG8luupZbG8xKIKcOiOIQsmIrkKNYvRbAXtBPh5bSn3kHi6Oli3lfiULOCFJwDddVXoNT0
PbQ2b1YI2c2kBIDERIfj9oliZM8zkUj1YOQDuMeiNLPCgJPEJYnXNRuIESeX6NtzcdKWkVgkMlrjvoYigMWDEgXvnMKjrM
HvnM2jqAsyWNDCTloslkhYRFh3dLGNVzFAetHSBVpvcam6VkzblgjQofiGMFDPg3vPMmjpMOvnMgjWA5yQNGSKlrsjI
xktVOt8YHW6lqsvQnWyRHkCcSmdV1zlcZyYI56LIYmmgGuSc62AN4o3axWM5mkTbPGOVpy7QGH4BvyObp3iR9vx
bOmZ1LhwaIWHwsuDYE2egEi8LmC9JoJEU4EDF0k8ZNHjLIUcy39MdizOHisi44TN5S04SxjODTDUMurMEjBlw5HLvjZ
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d9e1a7dbc51e63716e69c978ca072cc2a331c2cb052198431513cfa57e240d98e6cb0aa665ad0ec7db0ff287cd41
1666fa5134e064b34611674246dc4a3db98c8b3501a388f3812e4c63adf046a9eab973b76077bbb67bd874499f59
f5801b37b795ab9cdf0d87b549cd02cbc6794ad2a3a71ad3f9833c76fa0e760b0f950c7e06a9d4beb299d22c41f33
cf346af4c9219de9ea396268f67a6adc22ac97931a742841b591f63e816bf9891205e18d4ad8dedf1e7b43c76bab4
```

3ac99e77e28476746b1400d6b6ea06c9c26464b922f858c3ff0b9a9b4bbb49831cd7db5729570d05e1ffcc6fb8635  
108d60337c74ad81154b003d567b7a8fb5d098d0296e3ab9925f71c442676c697930856642d68a4132d4156226  
466402f057637933319b1906df45679665d18cfbdcf06a6bb4b9188134f18a71e9605fc4697bd5de6340f824693e1  
8de579155294b7e4606b305c90cbfd82bb9298a9b01237deee29bb3a0c51cd20e0ba4622954724165a36a2f3fe9  
ea1c4c64f90c6c5ba6e2cbdbcbff782a0e63c758e58f0d300274a9c4b6d5384b31968e294f4117ce898864c622245  
a50d0772882cedba63aa00f", "-temp1-": "67707579", "-trial period warned-": false}

# Useful links

Revision #3  
Created 20 December 2024 20:12:09 by Admin  
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