

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
```

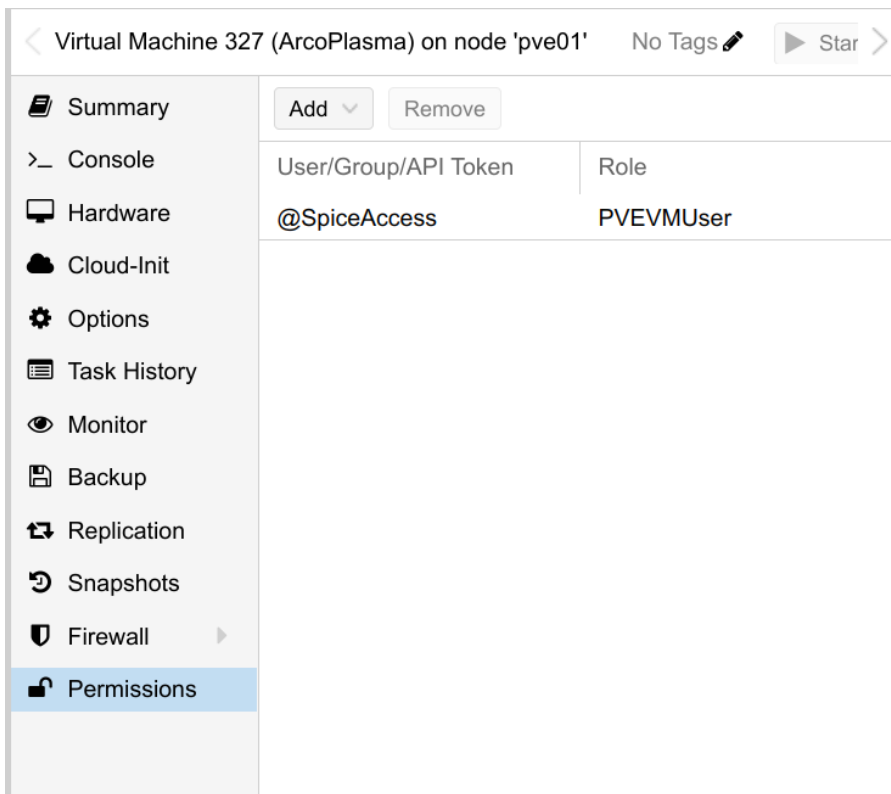
```
#enable-usbredir = true
```

```
# 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
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```

3ac99e77e28476746b1400d6b6ea06c9c26464b922f858c3ff0b9a9b4bbb49831cd7db5729570d05e1ffcc6fb8635
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a50d0772882cedba63aa00f", "-temp1-": "67707579", "-trial period warned-": false}

Useful links

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