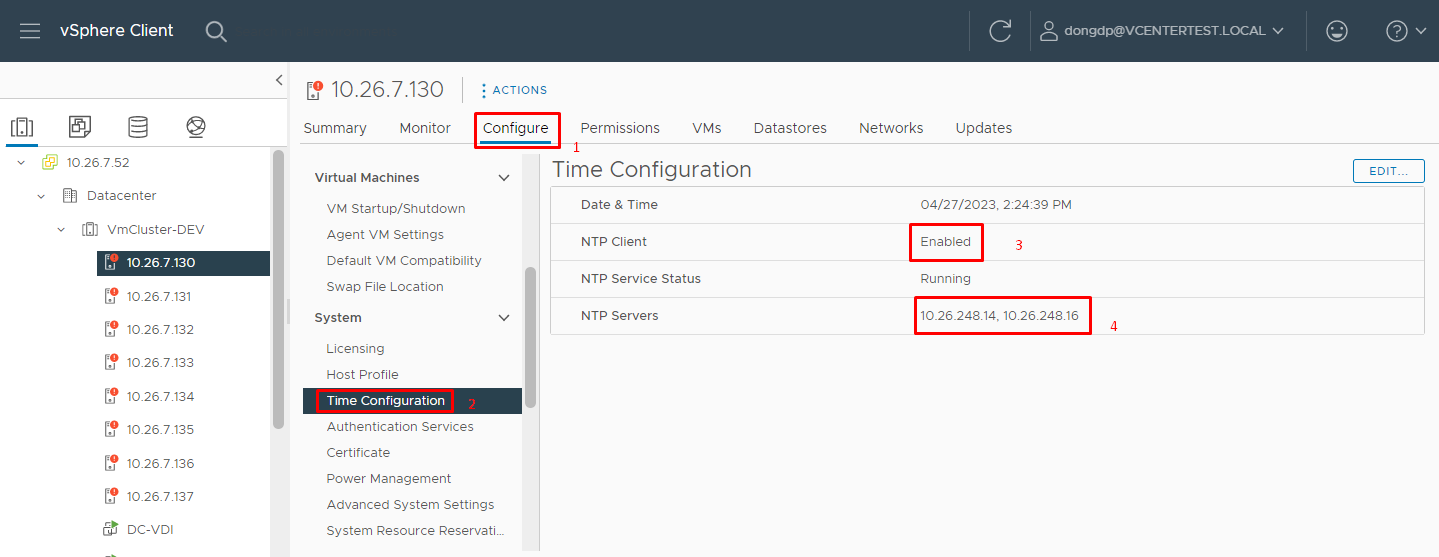
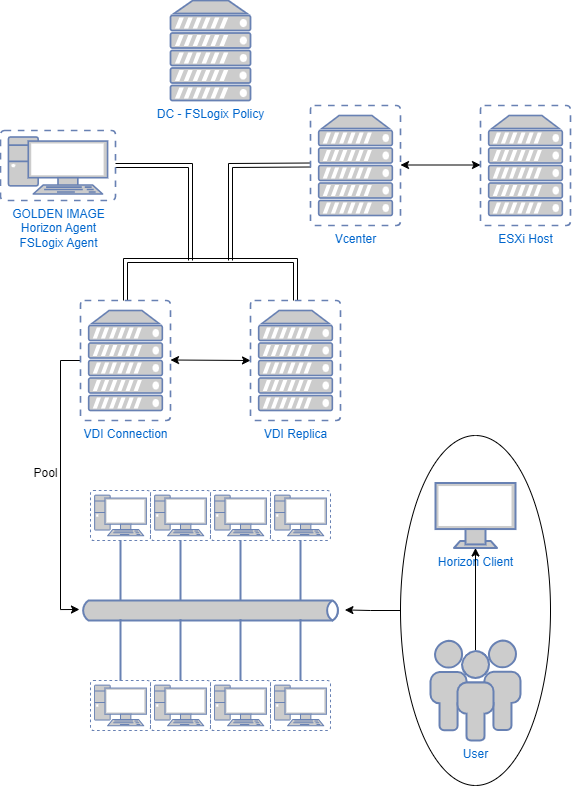
* Lưu ý trước khi cài đặt

**Đồng bộ thời gian trên host ESXi về 10.26.248.14; 10.26.248.16**

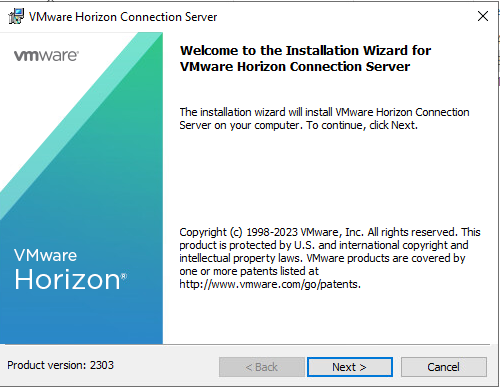


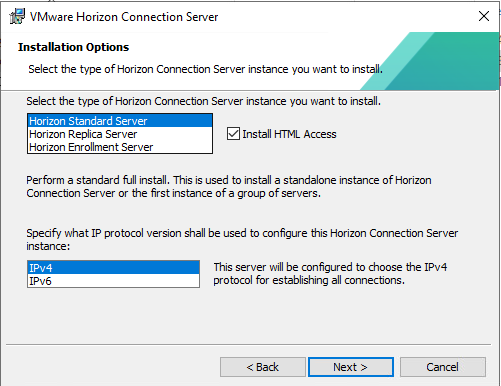
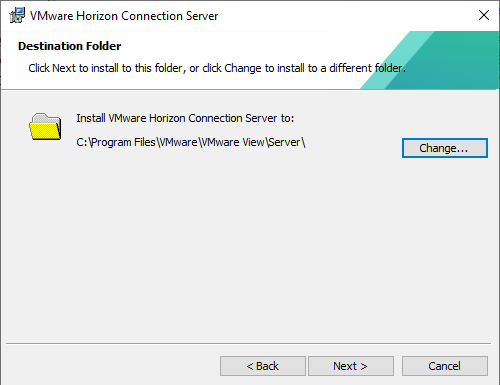
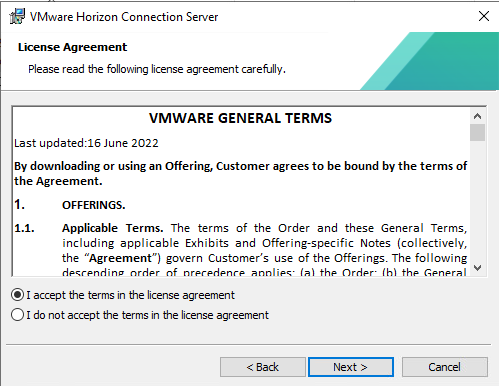
Sơ đồ hệ thống VDI

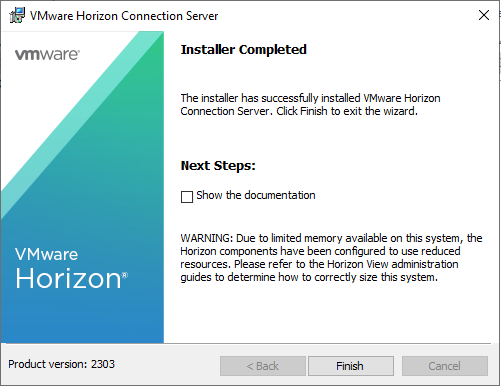
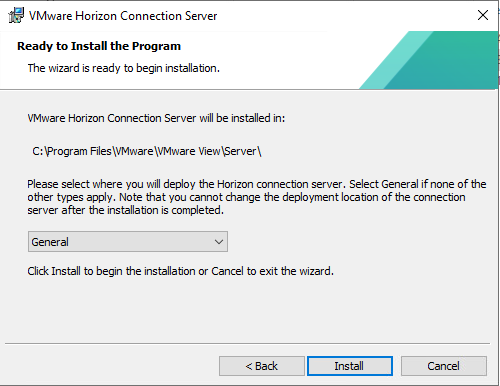
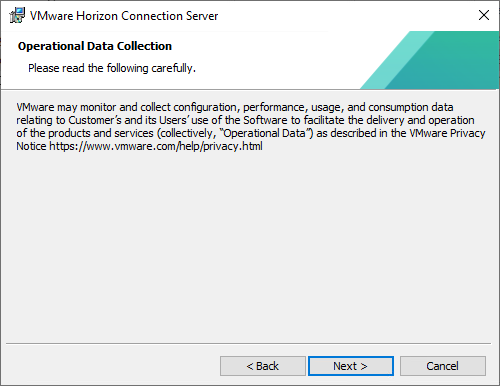
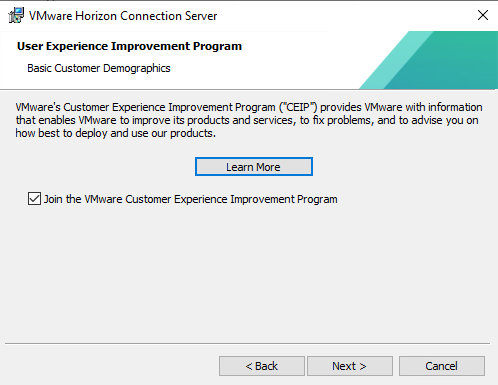
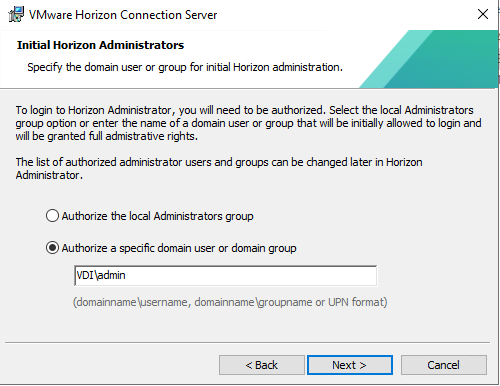


# **Cài đặt VDI-Connection và VDI-Replica**

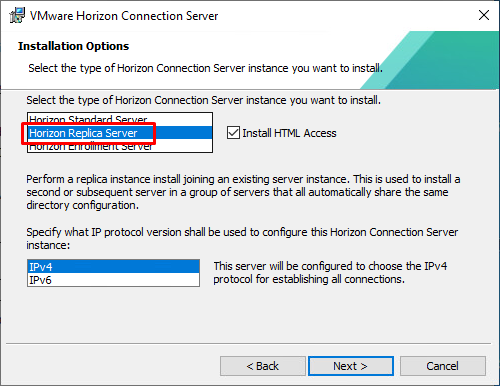
* Bước 1: Cài đặt Windows Server 2019
* Bước 2: Join miền
* Bước 3: Login bằng user miền, set IP static
* Bước 4: Cài đặt VDI-Connection

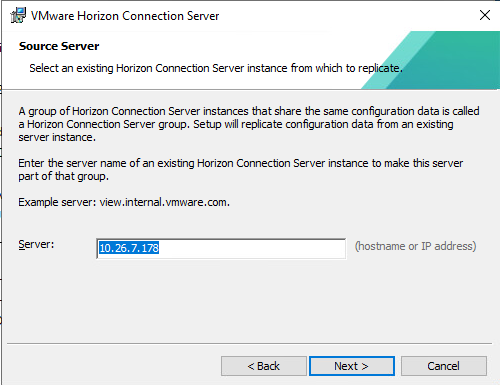






## Bước 5: Cài đặt Replica Server trên server thứ 2 (lưu ý: set IP static)





## Bước 6: Fix lỗi “LOGIN FAIL”

* Truy cập đường dẫn: C:\Program Files\VMware\VMware View\Server\sslgateway\conf
* Tạo mới file với tên “locked.properties” với nội dung

**checkOrigin=false**

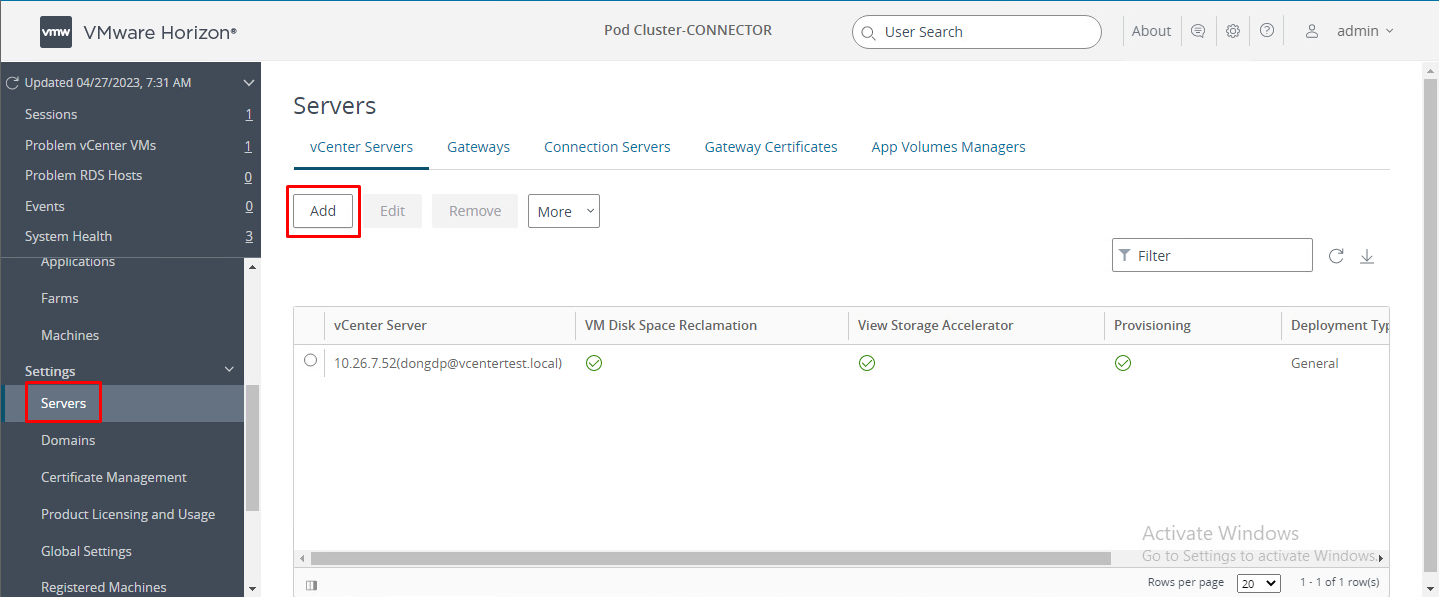
**enableCORS=false**

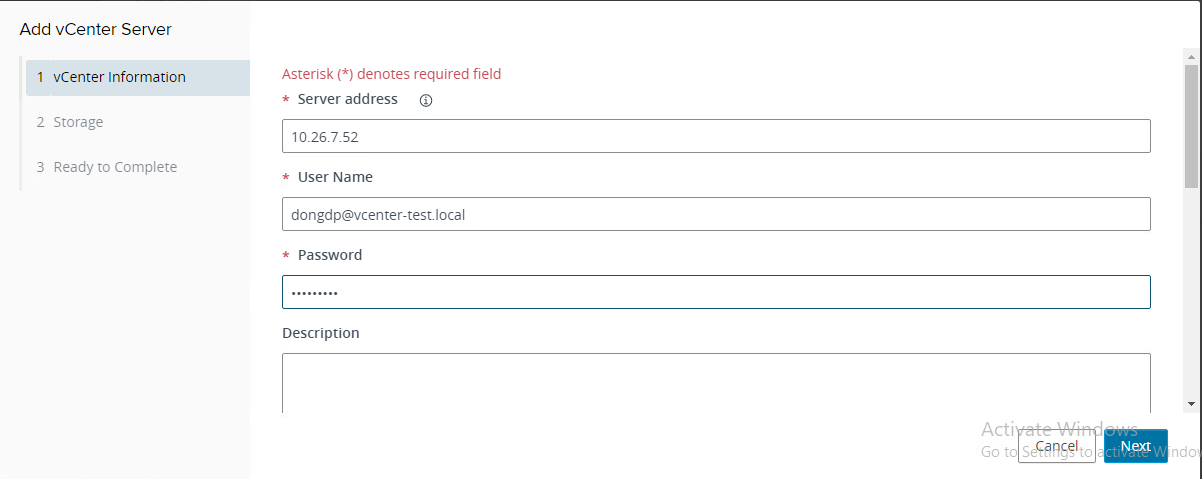
* Restart lại service VMware Horizon View Connection Server

# **Cấu hình VDI-Connection**

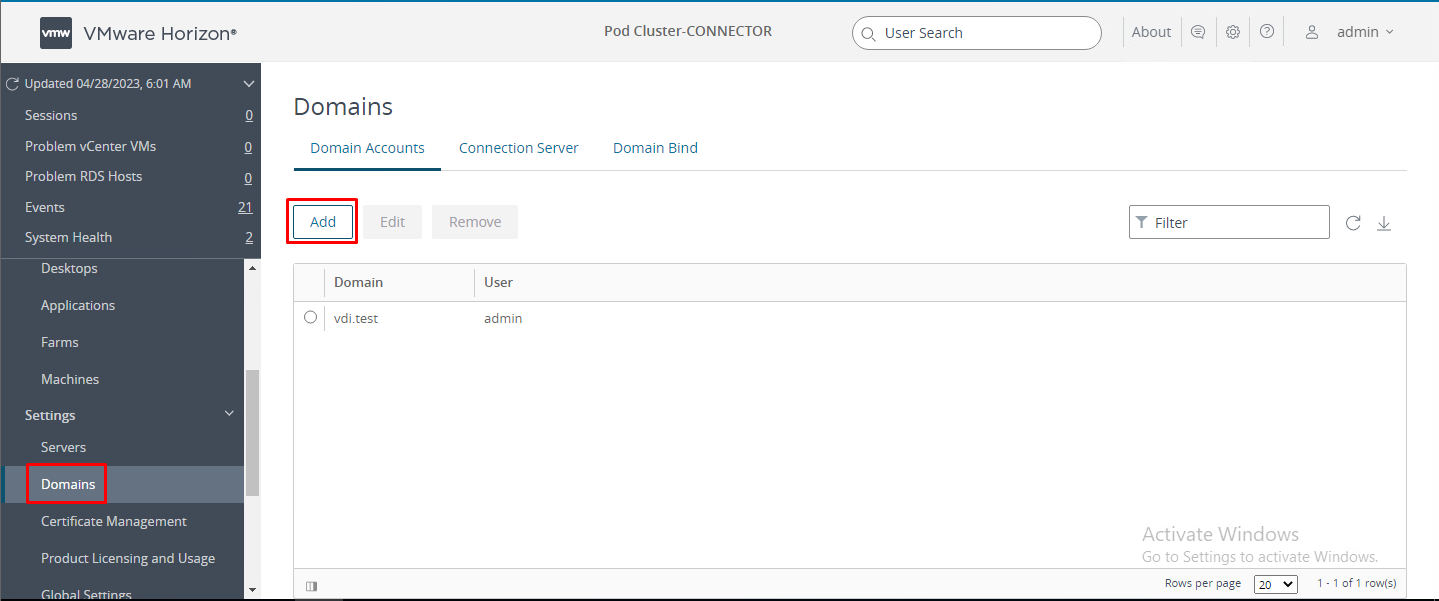
Truy cập VDI Manager: [https://vdi.fpts.com.vn/admin](https://ip-server-connection/admin)

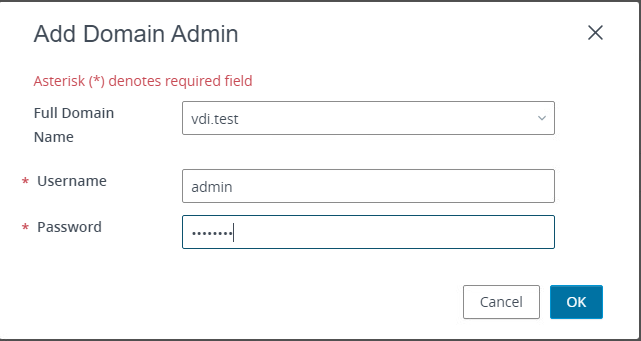
* Add License cho Vmware Horizon Connection Server
* Add vCenter





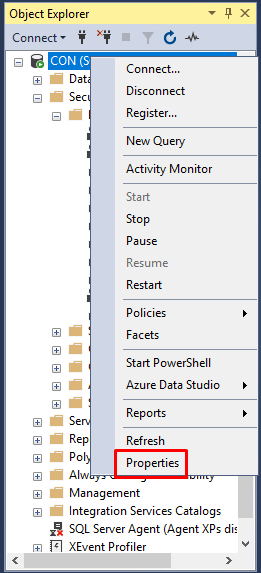
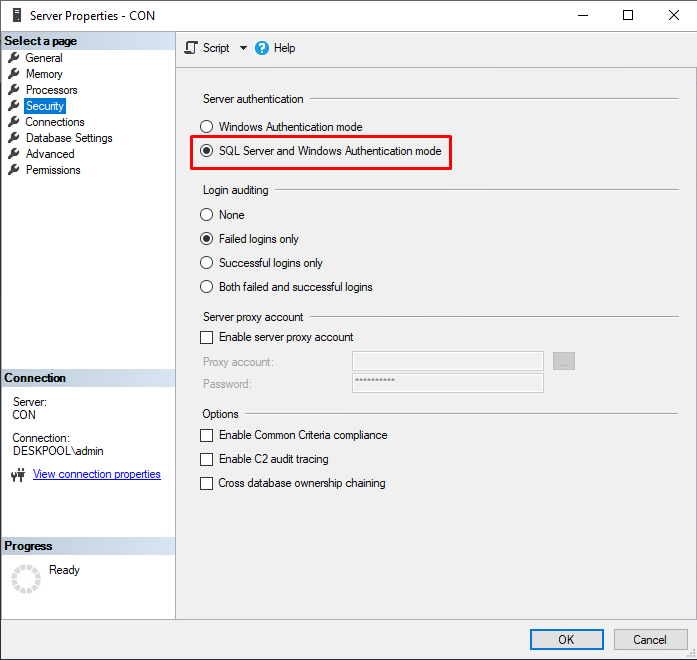
* Add Domains

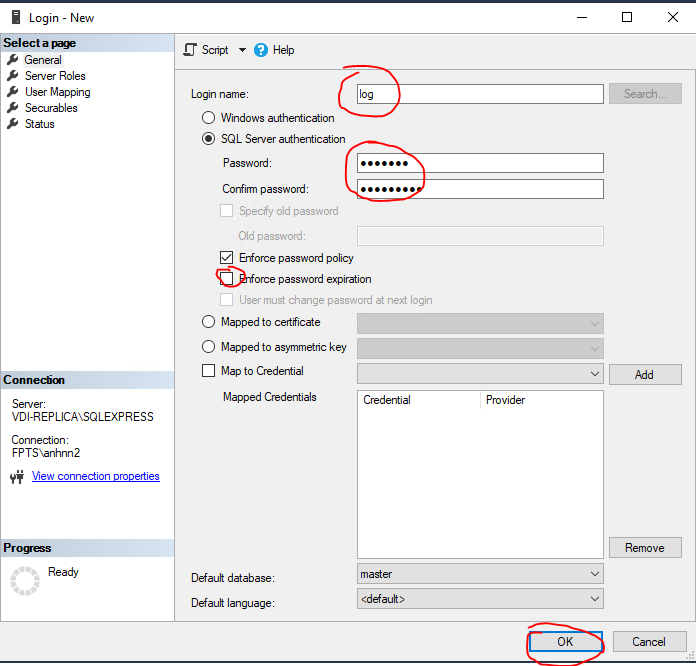


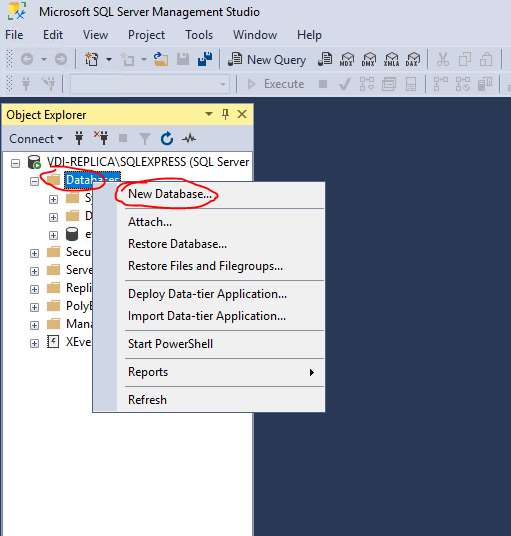


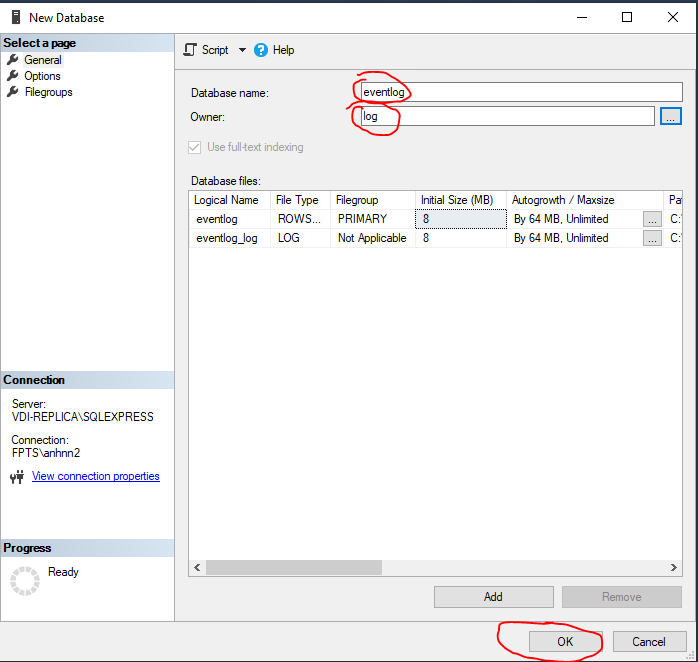
# **Cấu hình Event Log**

* Bước 1: Cài SQL Server + SQL Management Studio trên VDI-Replica
* Bước 2: Tạo User và Database

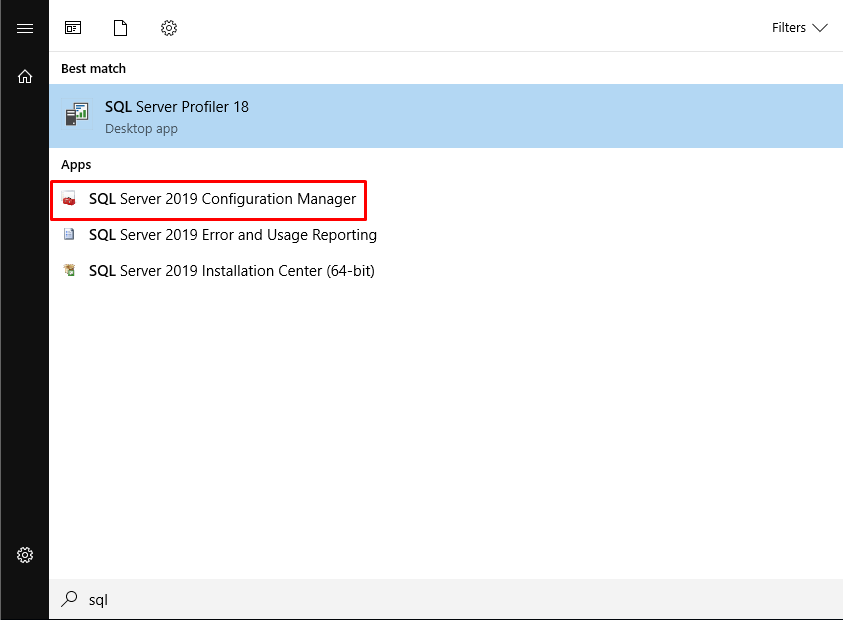
 

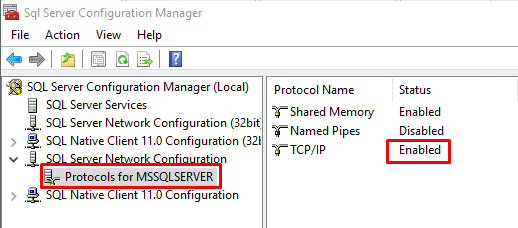




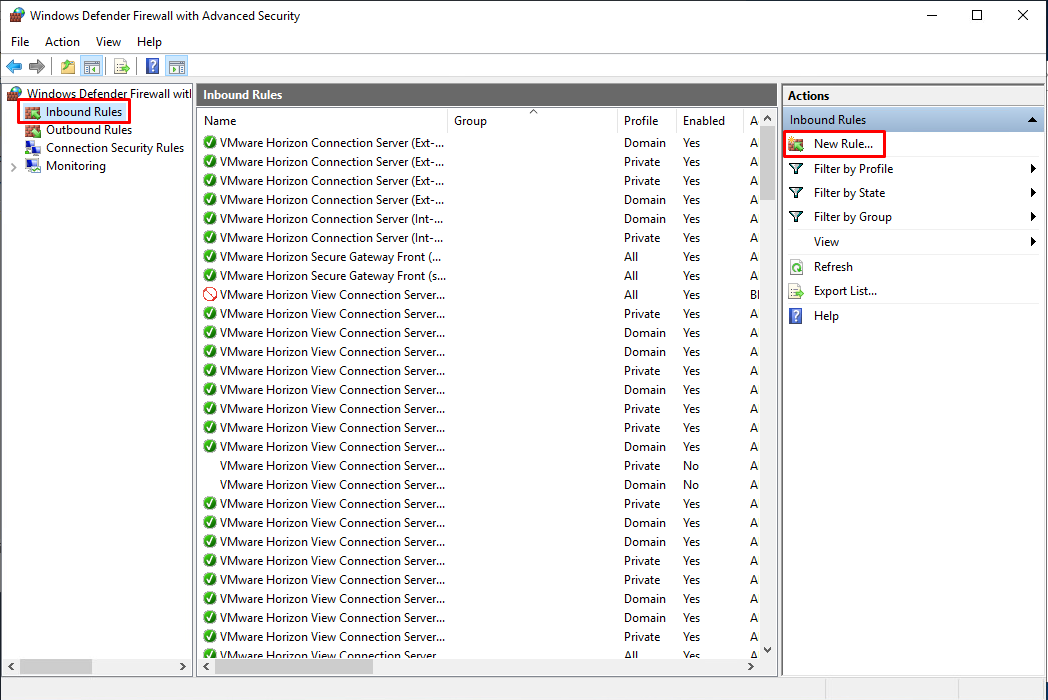


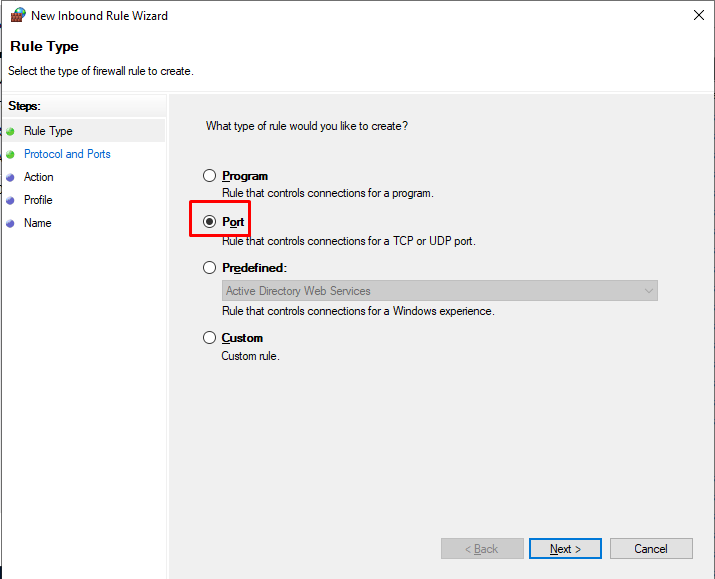
* Bước 3: Config kết nối từ xa cho SQL



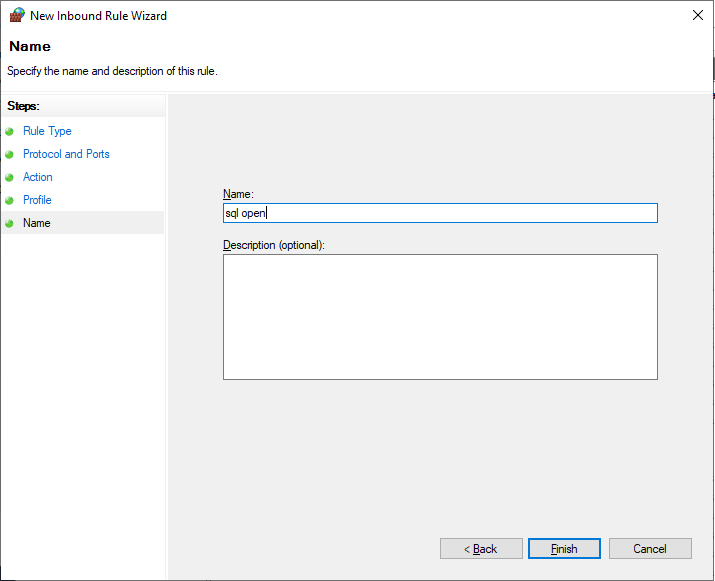


## Bước 4: Open port trên Firewall

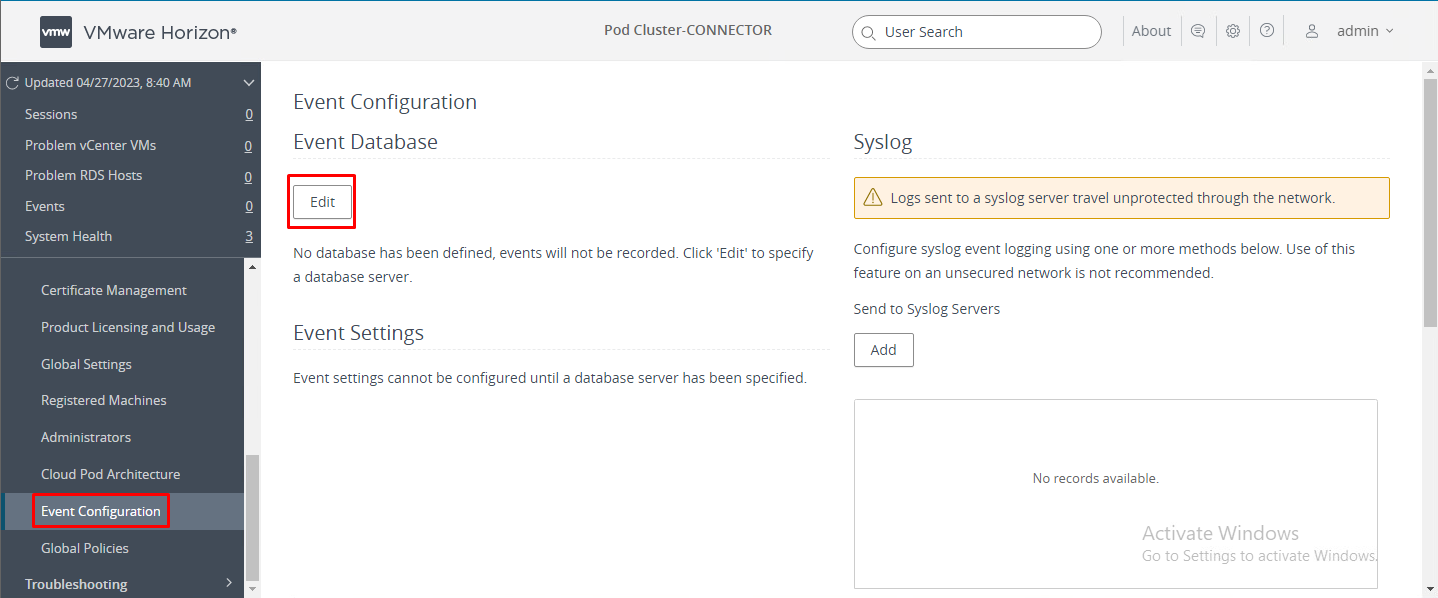


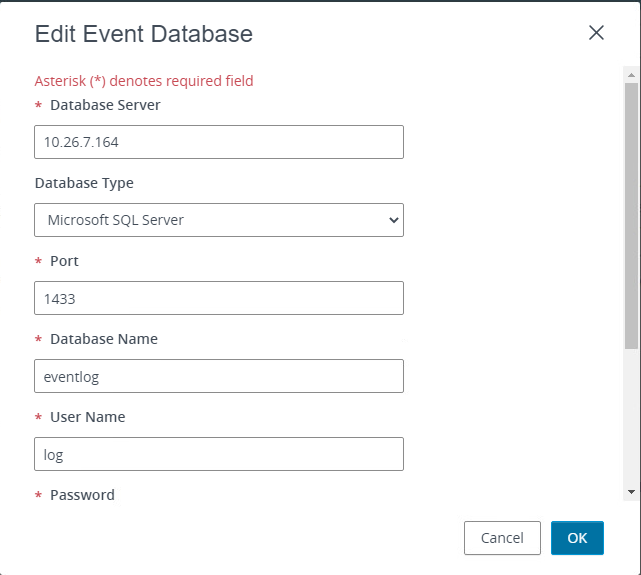






* Bước 5: Add config trên VDI Manager



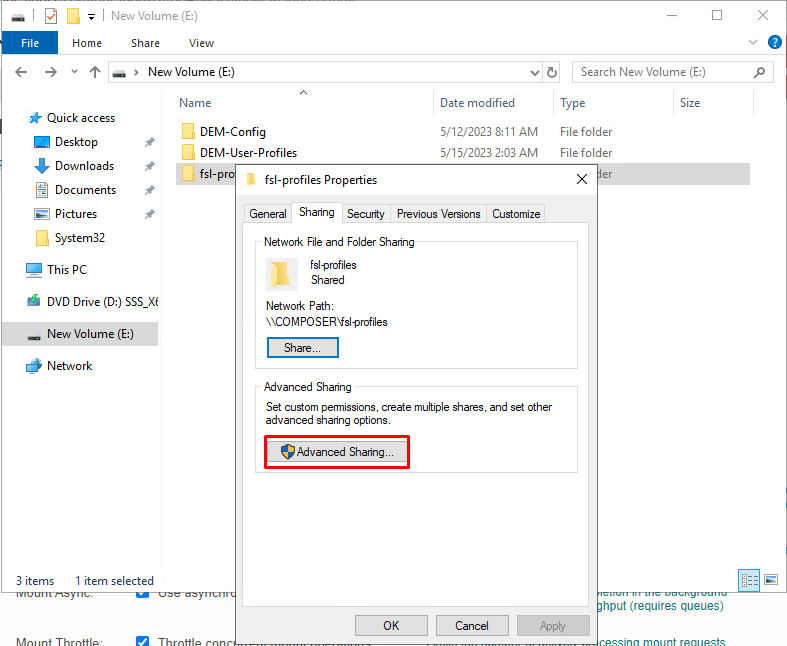


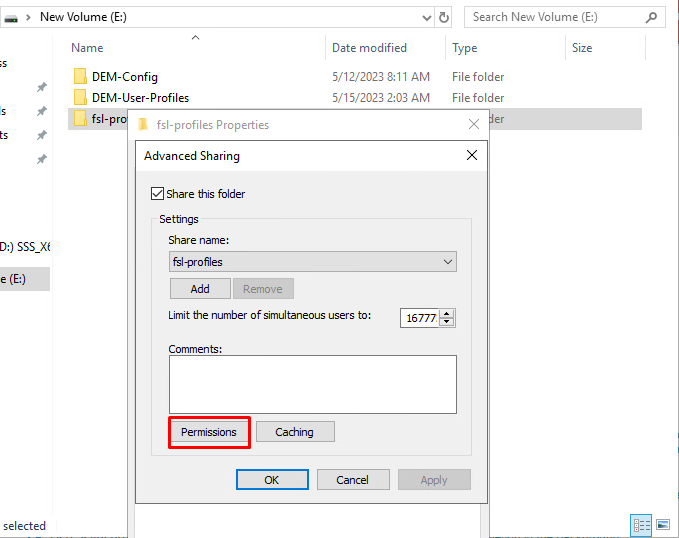
**BUG: Eventlog trên máy khác sẽ không hiện**

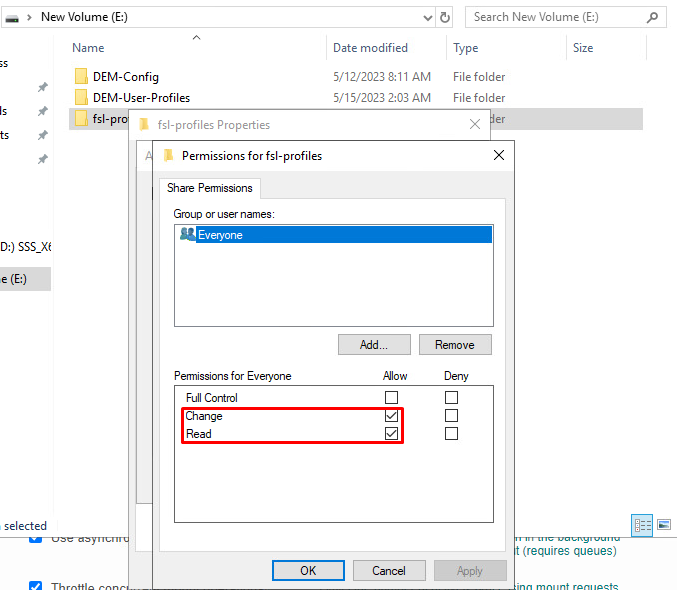
1. **Cấu hình FSLogix**

## Bước 1: Cấu hình File Share

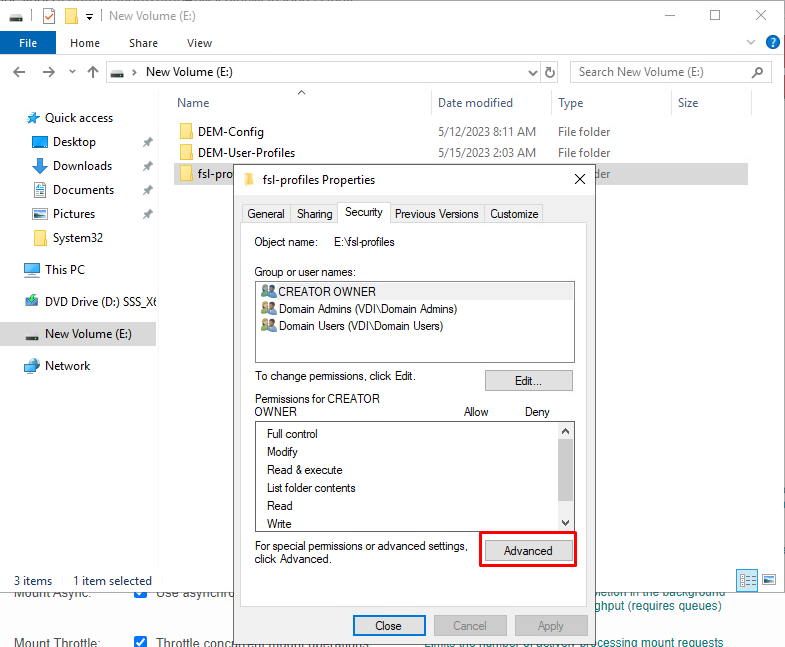
Cấu hình Sharing

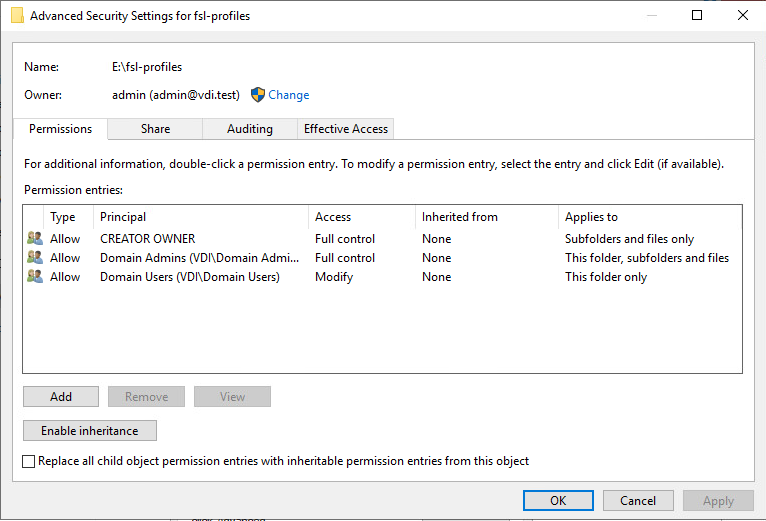






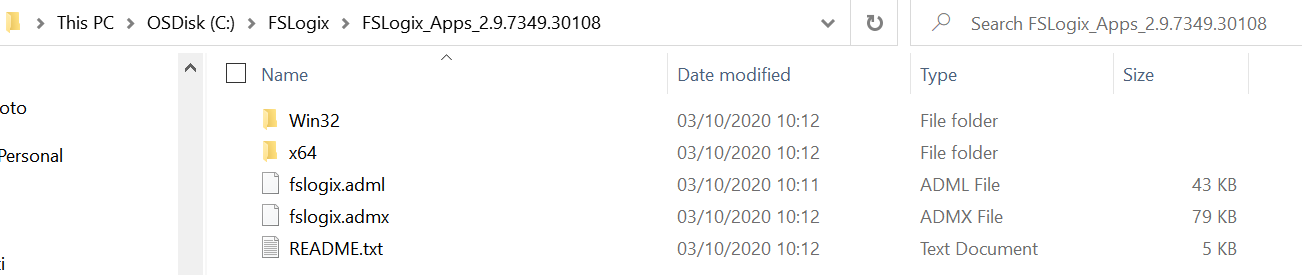
Cấu hình Security



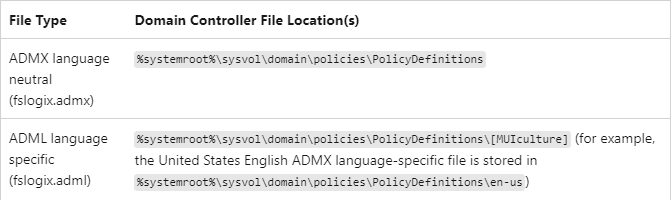


## Bước 2: Cấu hình GPO

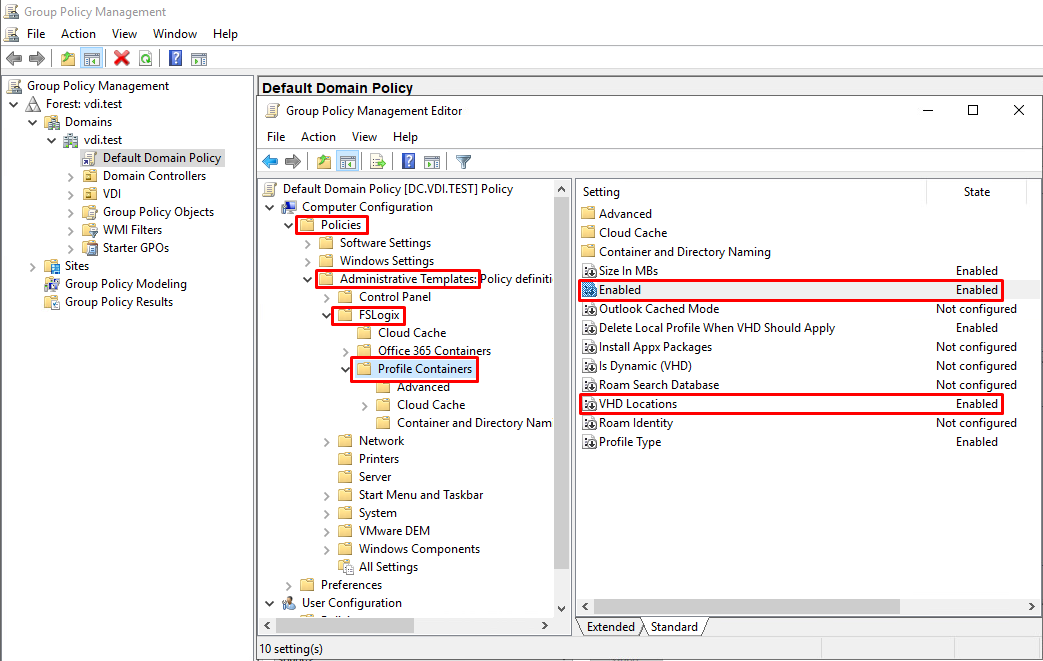
Giải nén file ra chứa những file này

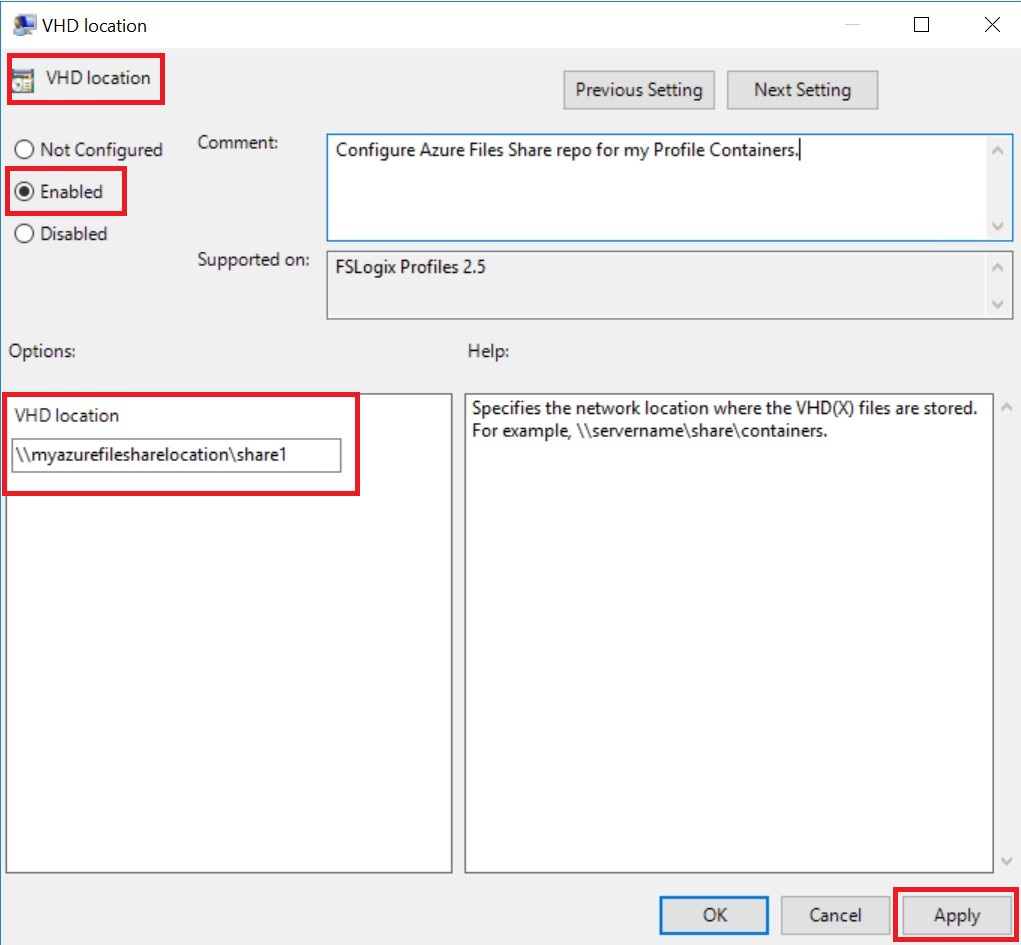


Copy paste hai file **fslogix.adml** và **fslogix.admx** bên trên vào thư mục chỉ định như bên dưới



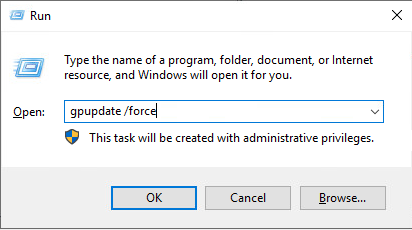
Edit GPO





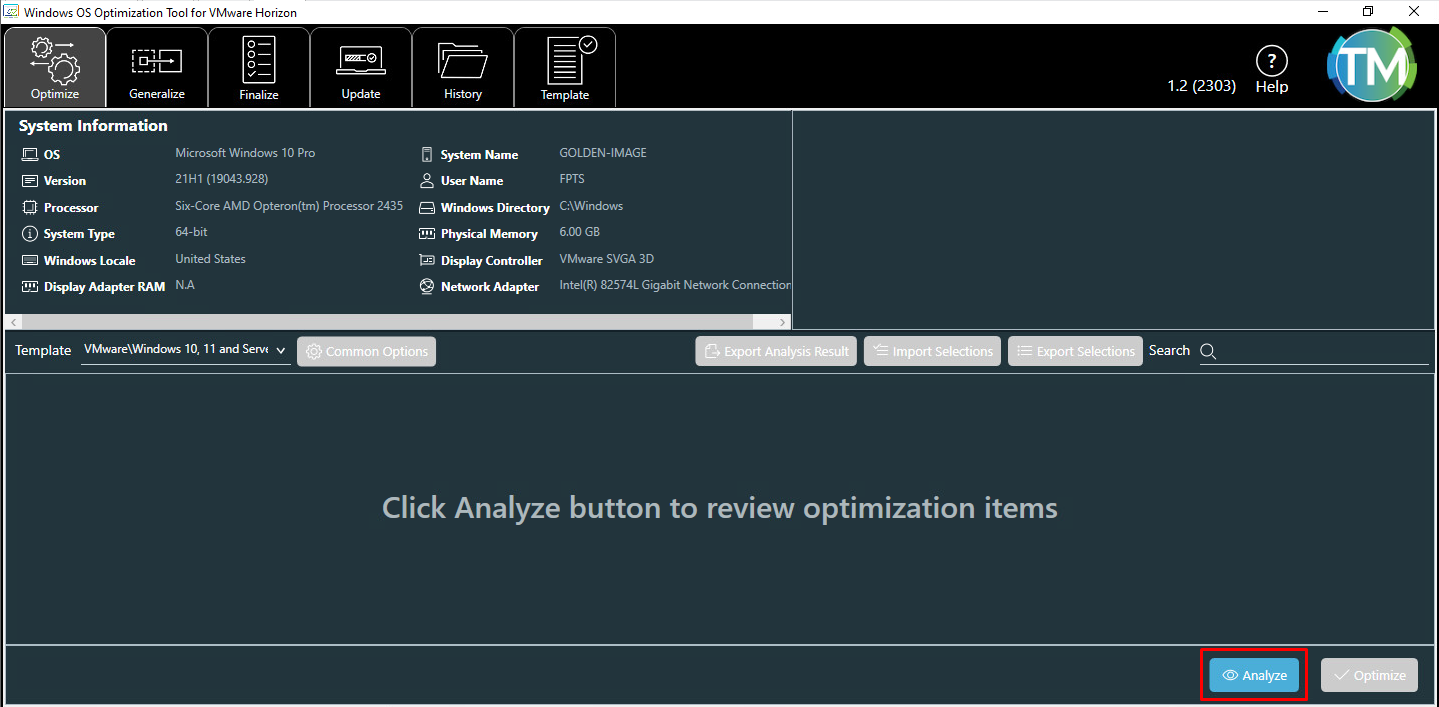
|  |  |  |
| --- | --- | --- |
| GPO Name | Value | Discription |
| Enabled | Enabled | REQUIRED |
| DeleteLocalProfileWhenVHDShouldApply | Enabled | Recommended |
| FlipFlopProfileDirectoryName | Enabled | Recommended |
| IncludeTeams | Enabled | Recommended |
| LockedRetryCount | 3 | Recommended |
| LockedRetryInterval | 15 | Recommended |
| ProfileType | Default | Recommended |
| ReAttachIntervalSeconds | 3 | Recommended |
| ReAttachRetryCount | 15 | Recommended |
| SizeInMBs | 30000 | Default |
| VHDLocations | \\filesvr-share\fslogix-profiles | REQUIRED |
| VolumeType | VHDX | Recommended |

Sau khi edit GPO xong thì chạy câu lệnh gpupdate /force

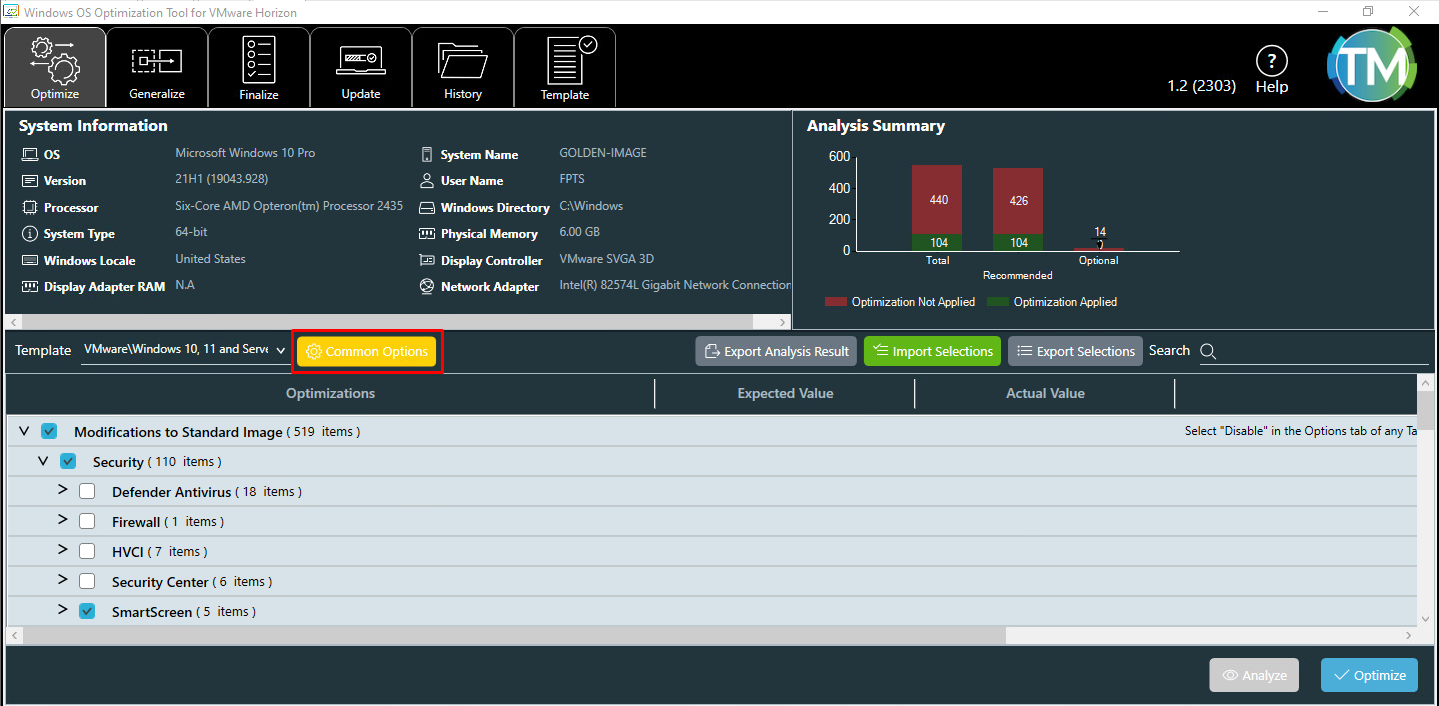


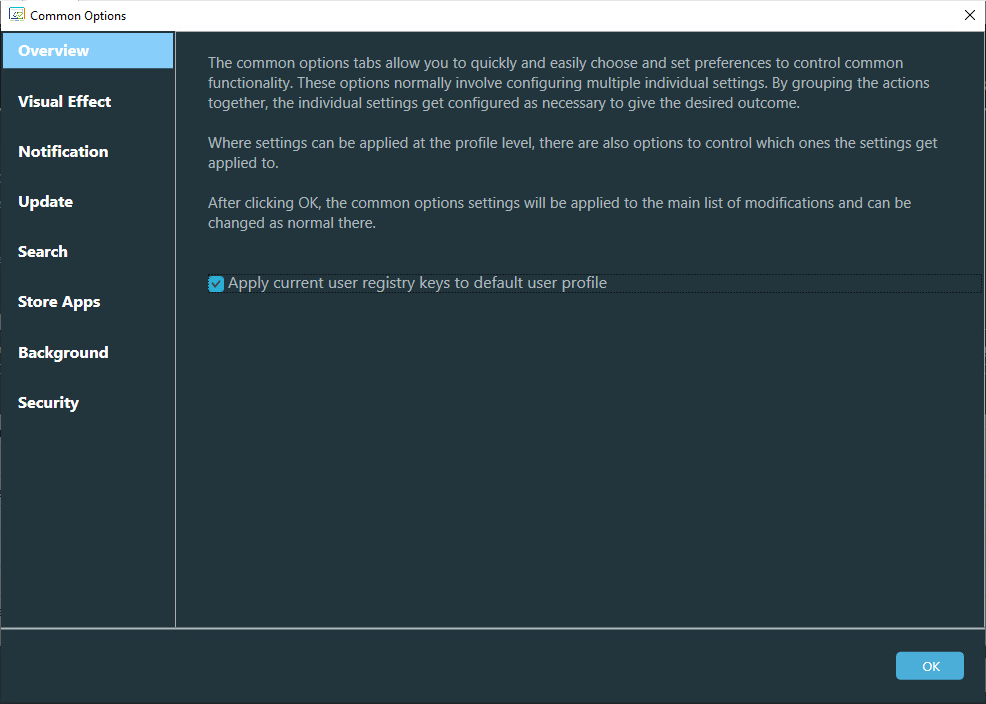
# **Cài đặt Golden-Image**

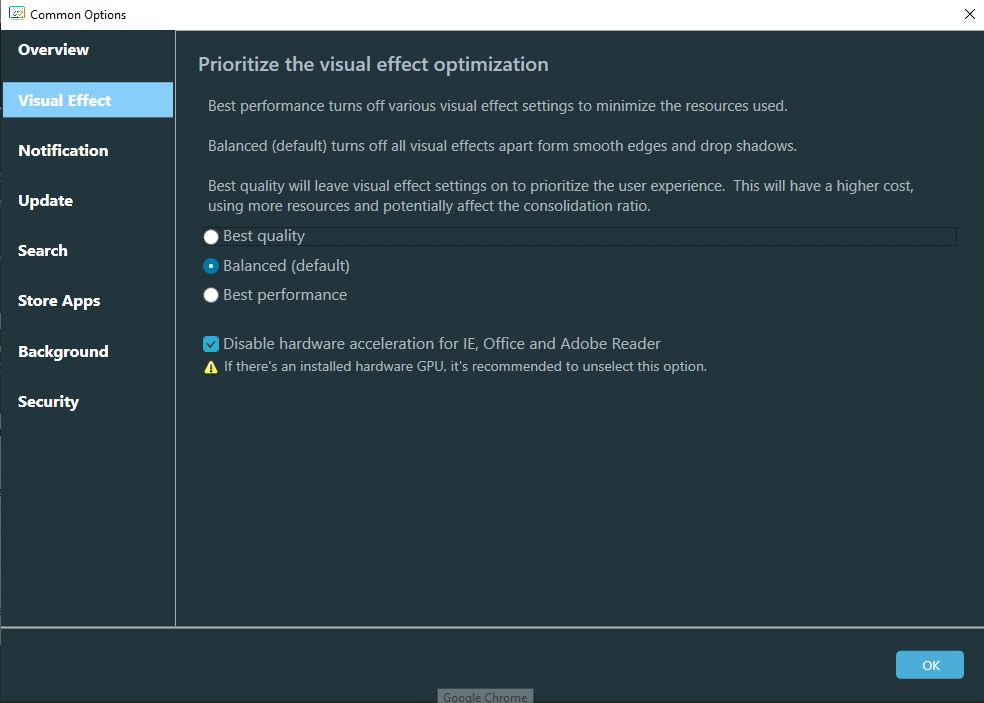
* Bước 1: Tạo máy ảo Windows 10/11
* Bước 2: Cài đặt đầy đủ ứng dụng, join miền
* Bước 3: Chạy VMware Optimization
* Chạy Analyze

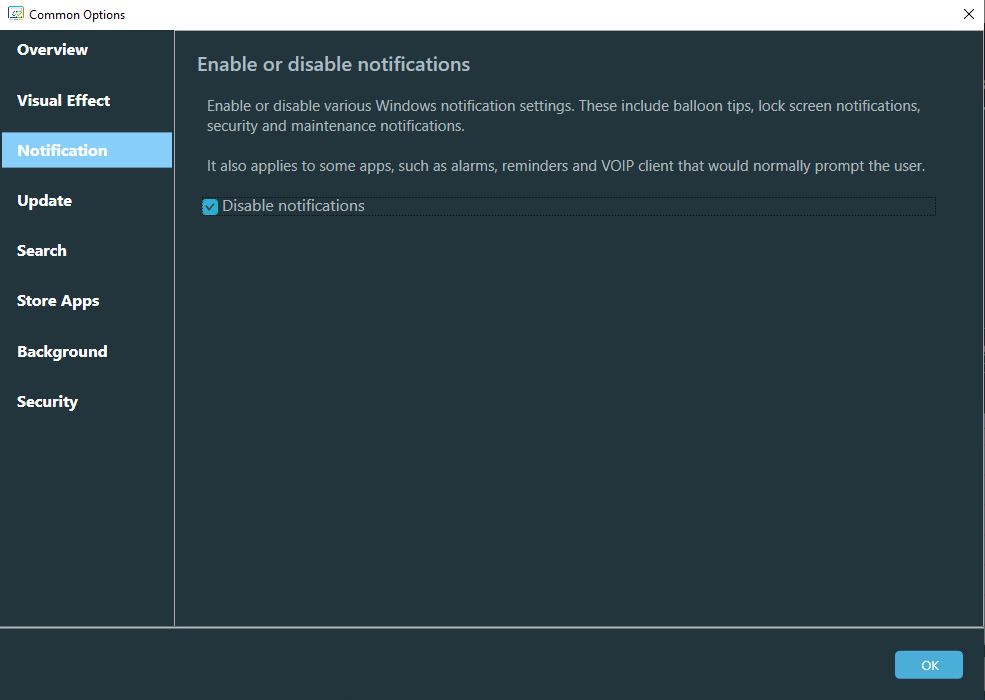


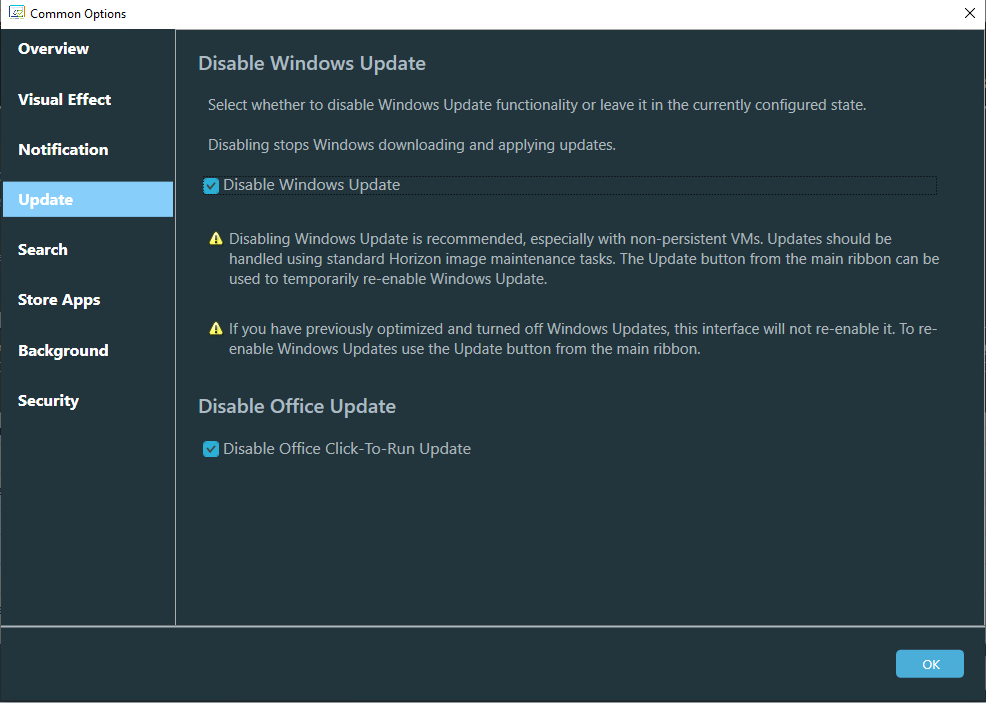
* Common Options

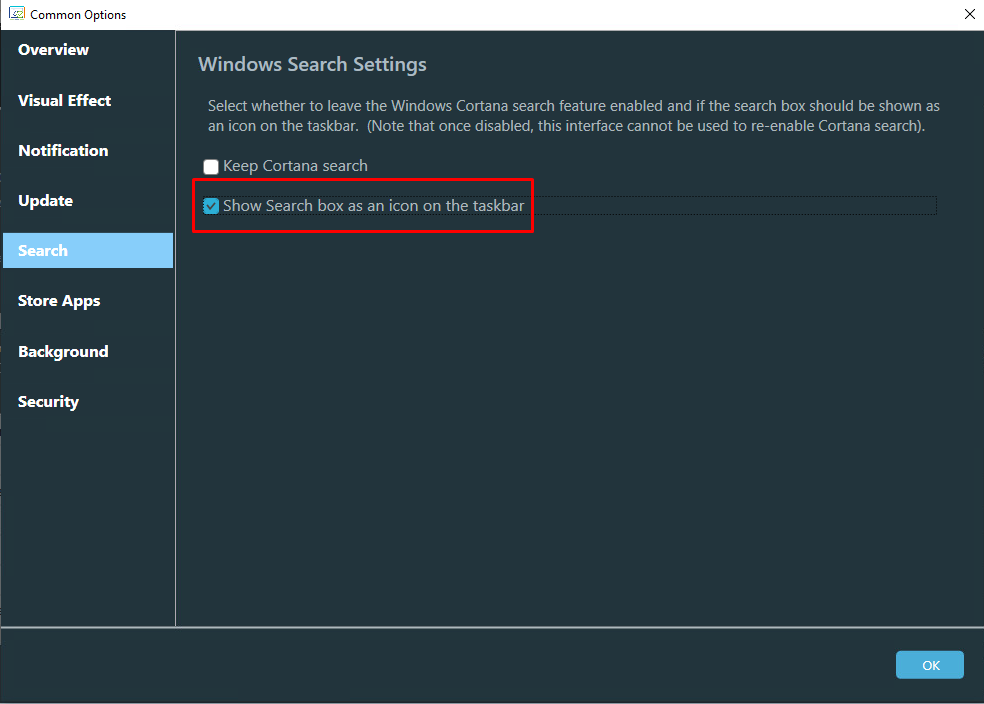


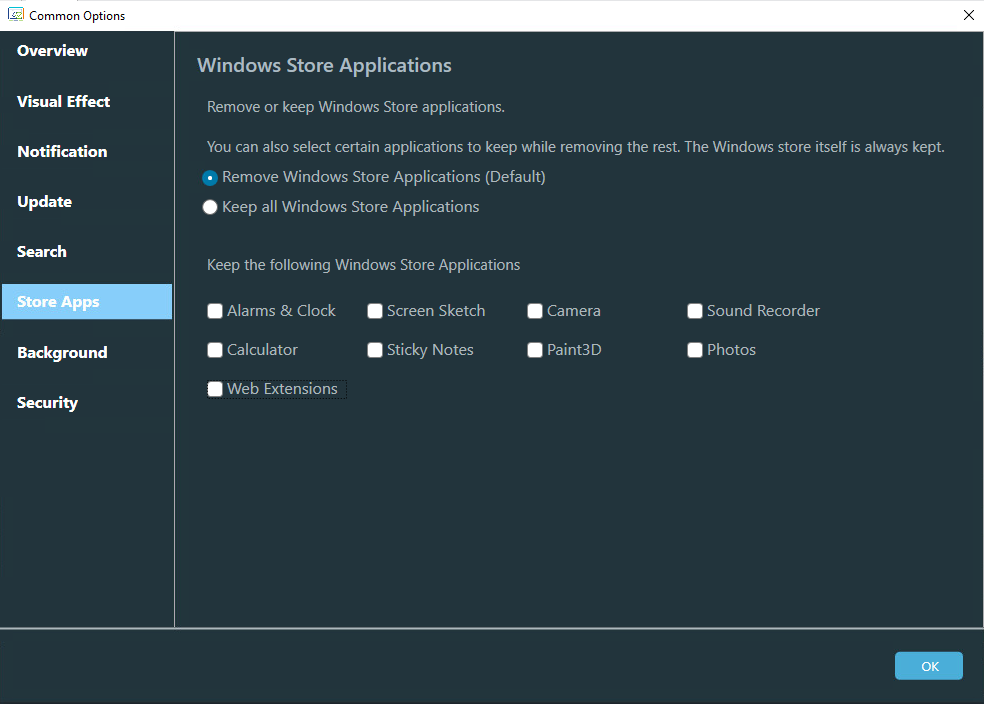


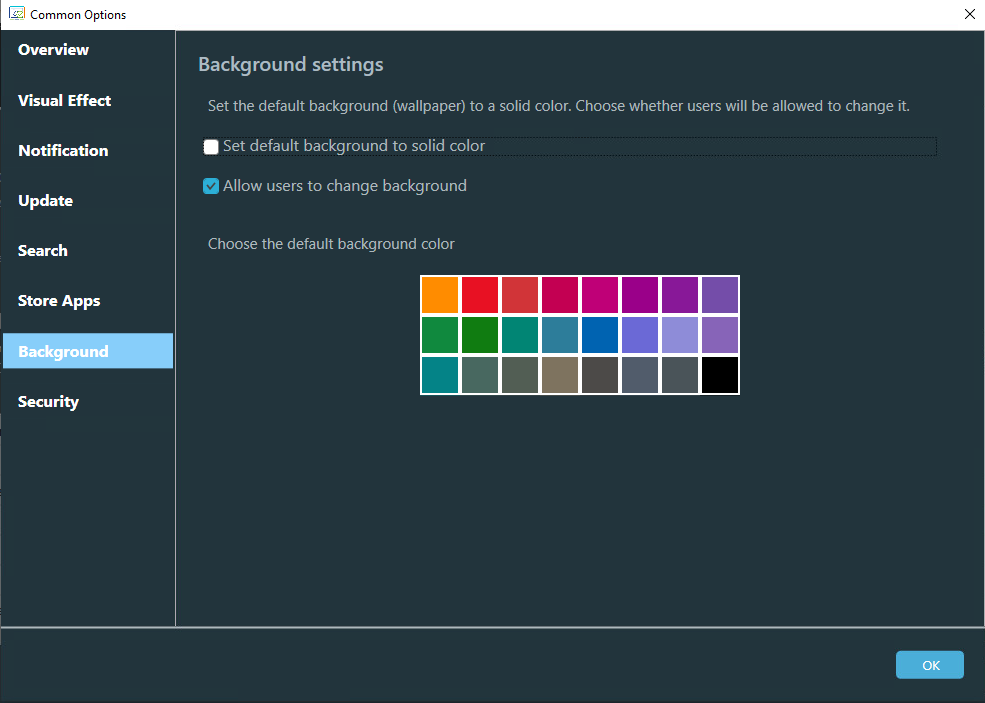


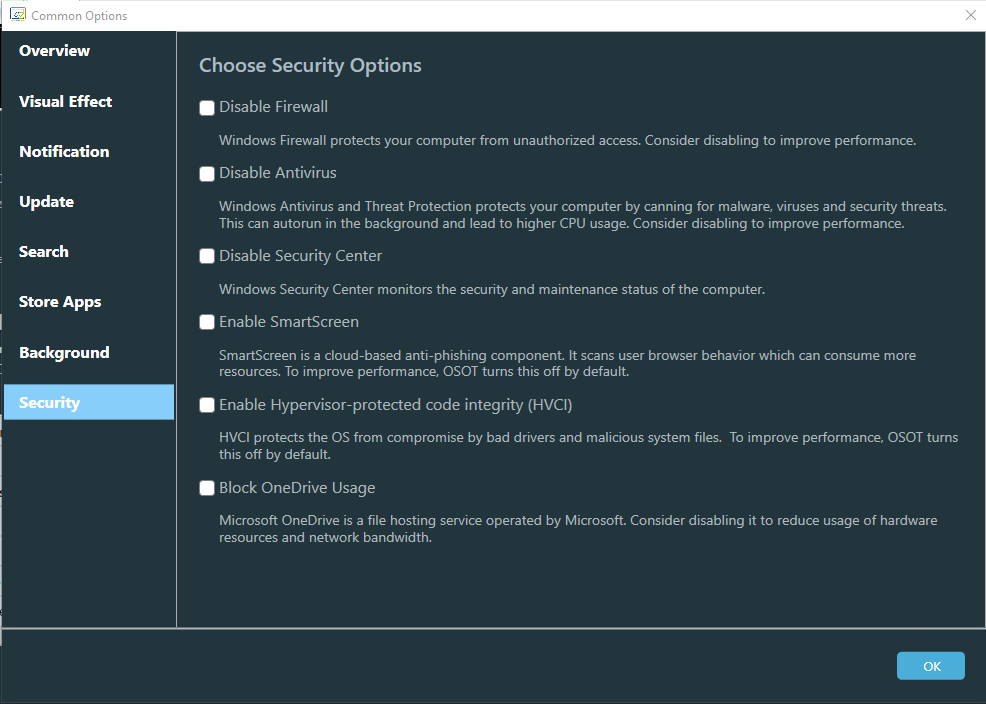




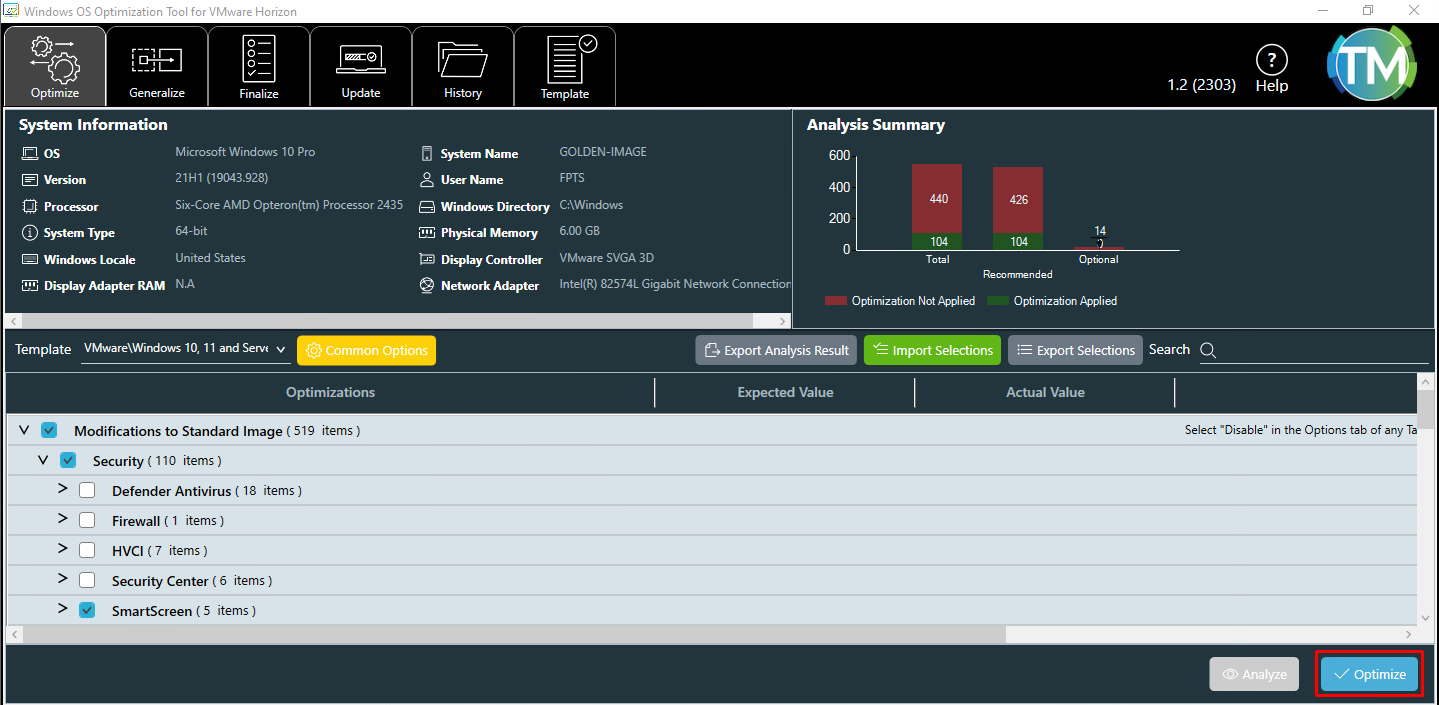




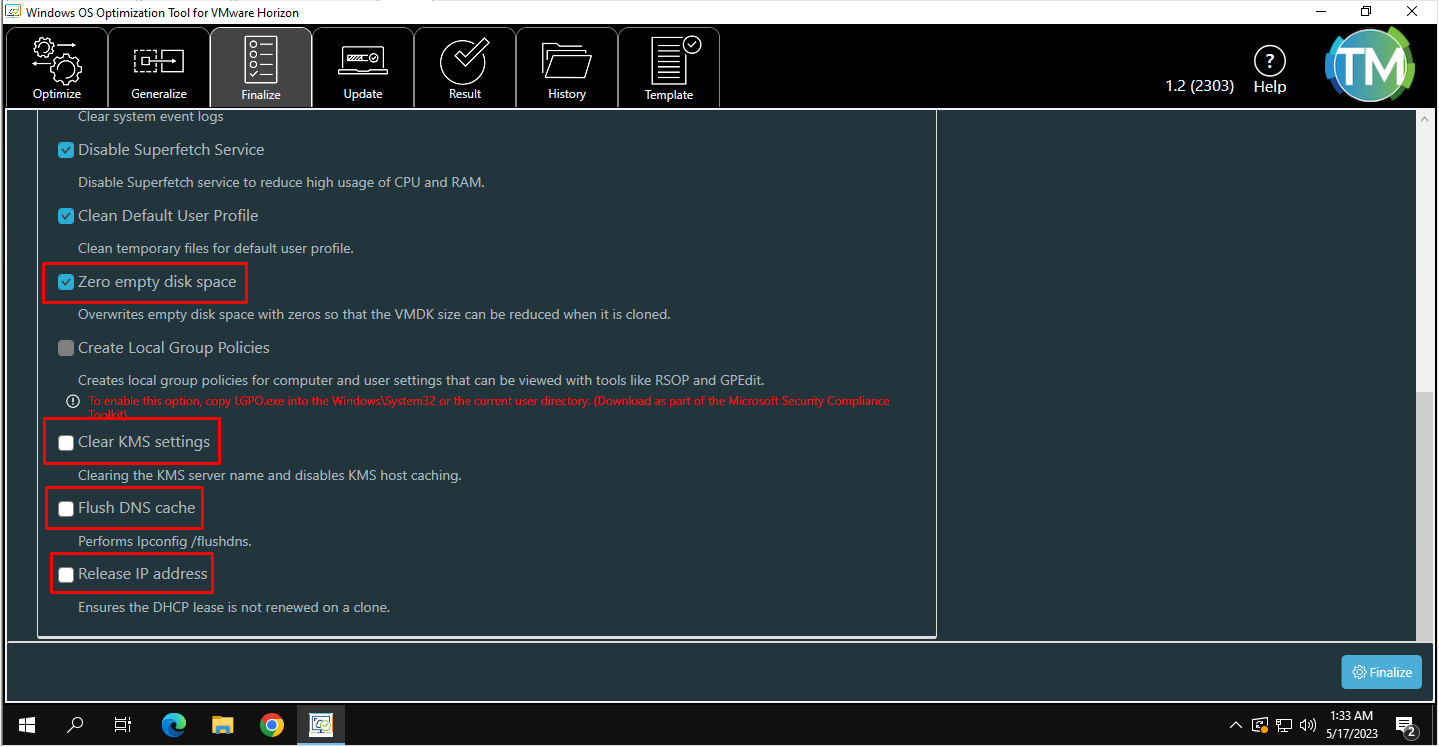


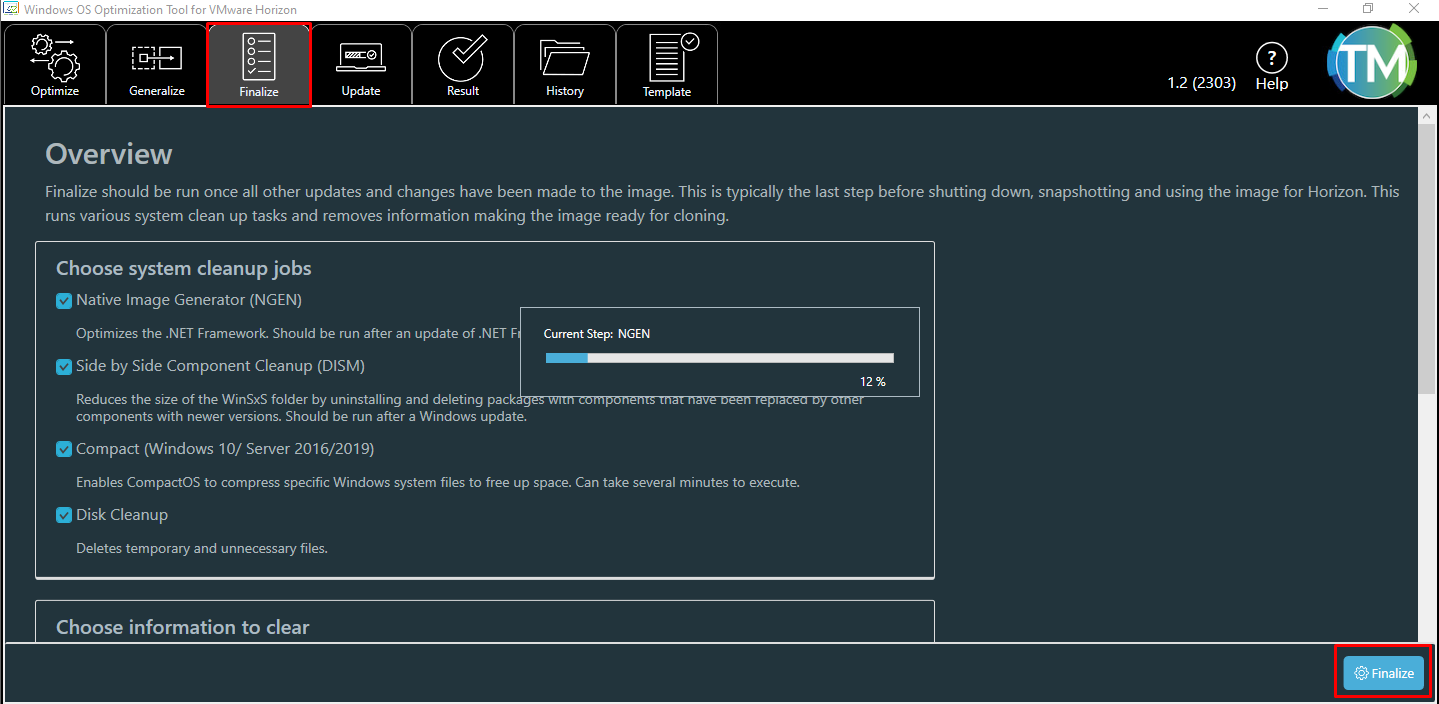


* Sau khi Select options xong chọn Optimize

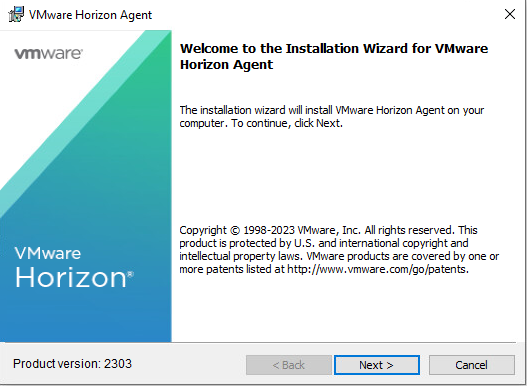


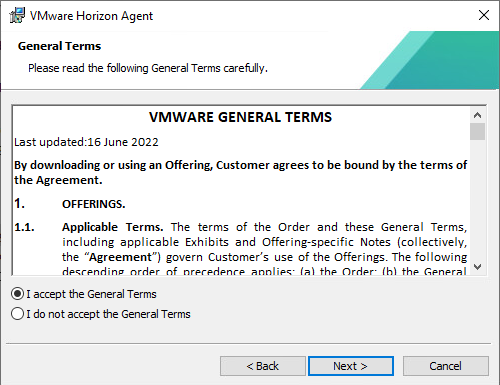
* Cuối cùng chạy Finalize

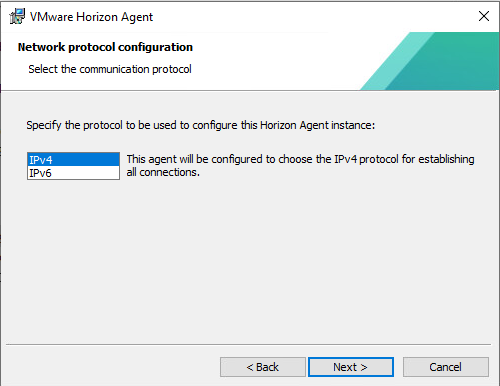


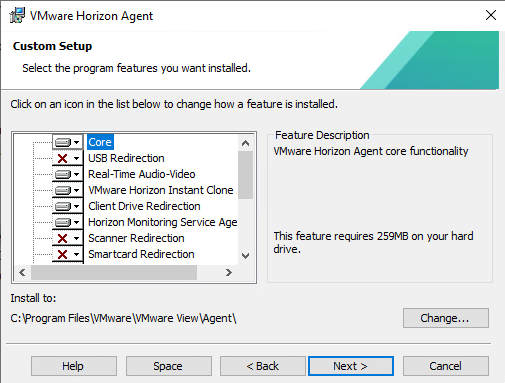


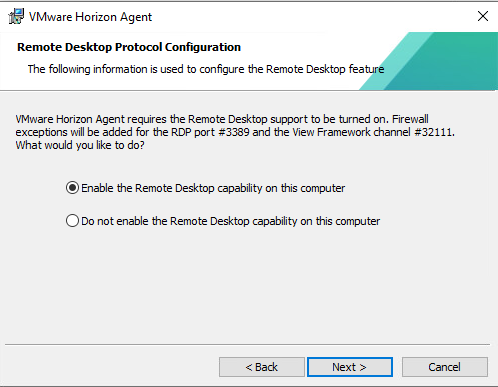
* Bước 4: Cài đặt Horizon Agent và FSLogix Agent
* Cài đặt Horizon Agent

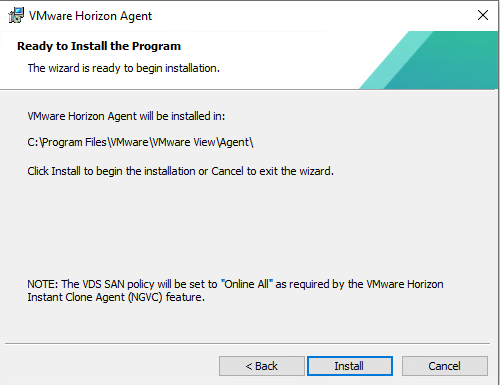




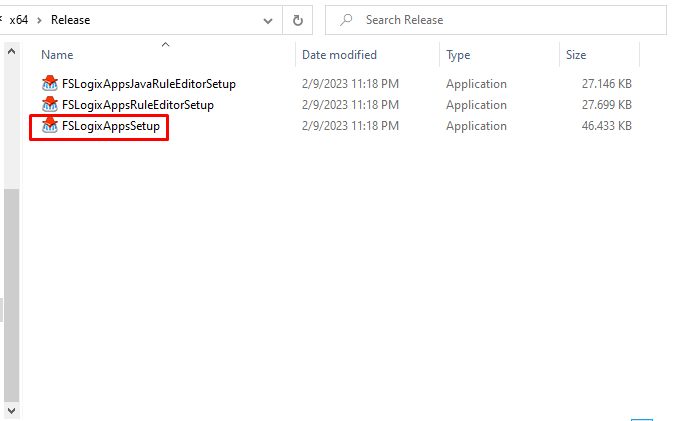


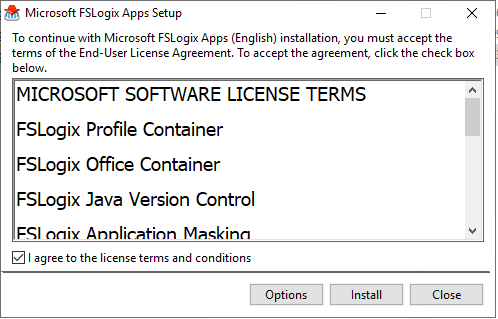






### Cài đặt FSLogix Agent





## Bước 4.1: Cài Agent cho Linux

1. Upload gói *VMware-horizonagent-linux-x86\_64….tar.gz* vào VM
2. Cài đặt các gói: *apt install**open-vm-tools-desktop openssh-server python python-dbus python-gobject*
3. Trỏ host trong file host: nano /etc/hosts

Thêm mới dòng sau “127.0.0.1 xxxx.fpts.com.vn xxxx” (thay xxxx thành hostname)

1. Restart lại VM
2. Giải nén gói agent và tiến hành cài đặt

*# tar -xvzf VMware-horizonagent-linux-x86\_64-2303-8.9.0-21434177*

*# cd VMware-horizonagent-linux-x86\_64-2303-8.9.0-21434177*

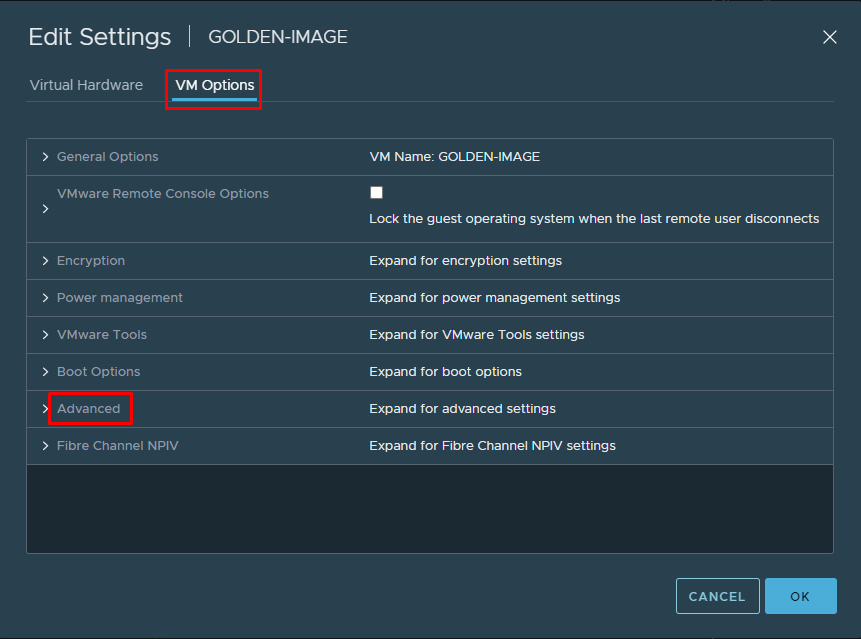
*# ./install\_viewagent.sh -A yes -U yes -a yes --webcam*

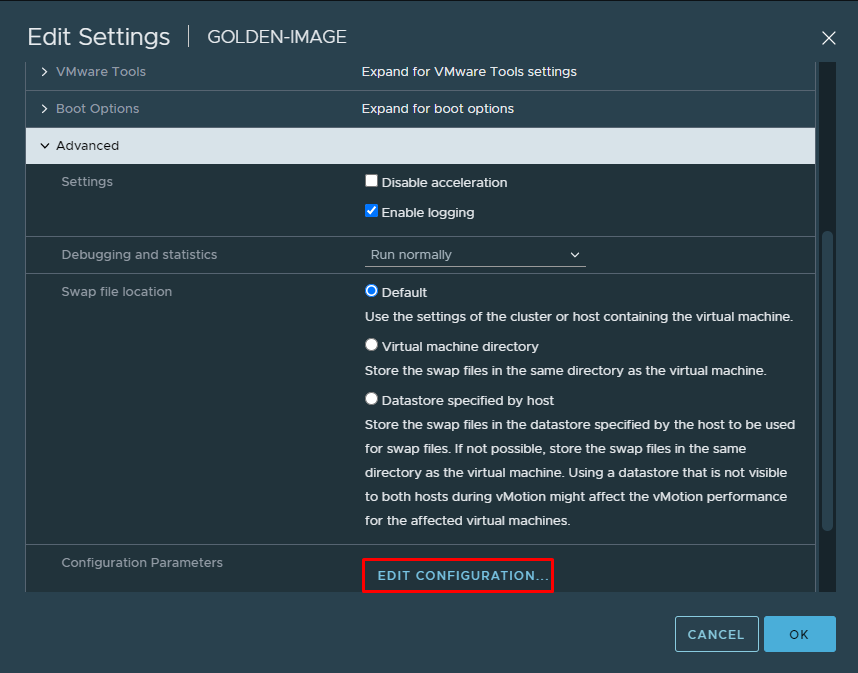
1. Restart lại VM

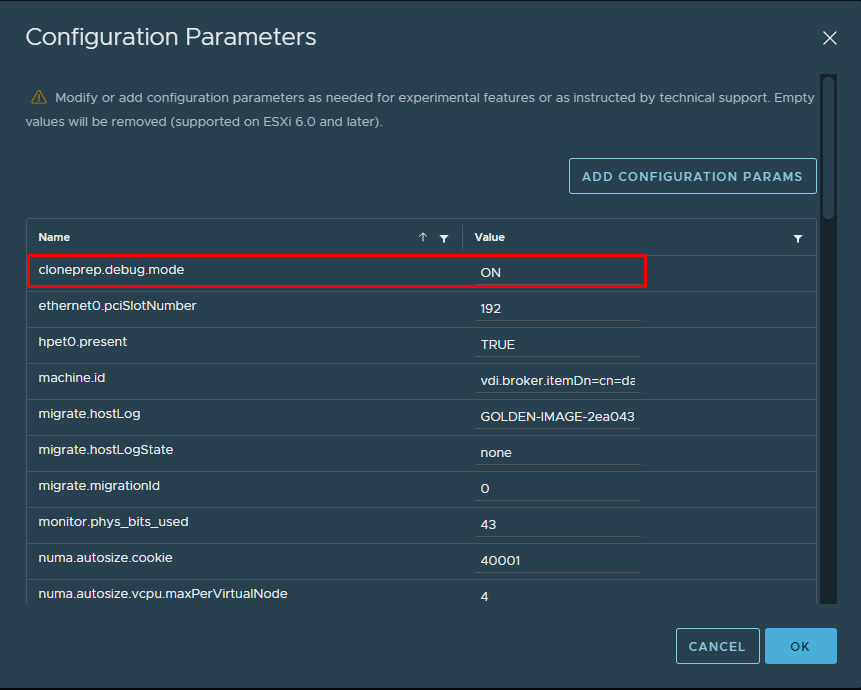
Link tham khảo: https://www.stephenwagner.com/2021/05/02/install-horizon-agent-linux-ubuntu-20-04-lts-vdi-guest/

## Lưu ý quan trọng

### Check thông số cloneprep.debug.mode ở status ON nếu chưa có thì add





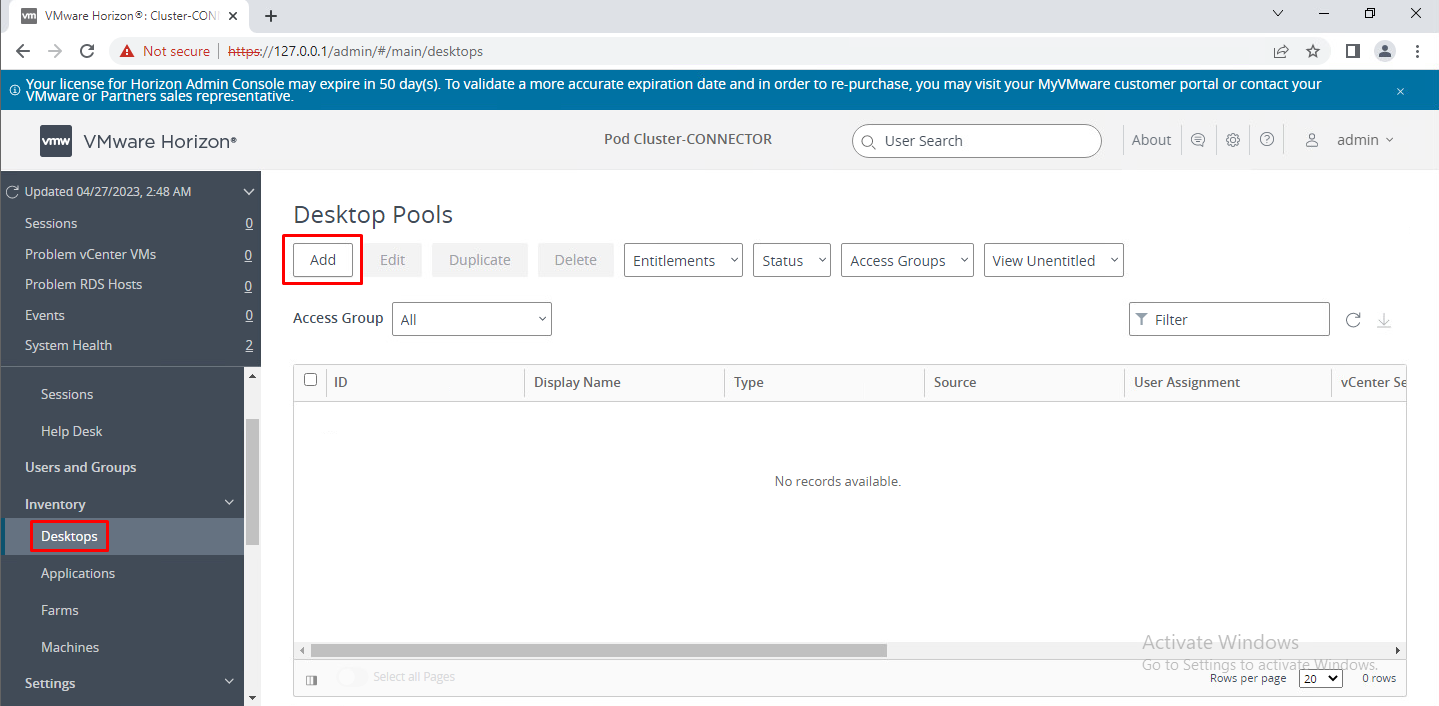


### Restart lại Gold-IMG => Tạo Snapshot

### Shutdown => Tạo Snapshot

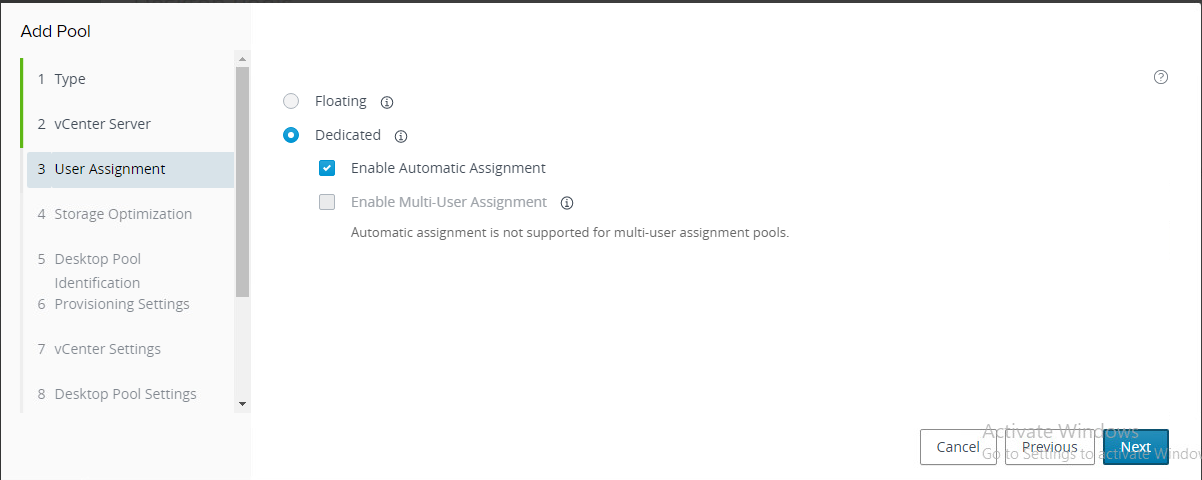
* Bước 5: Tạo Desktop Pool

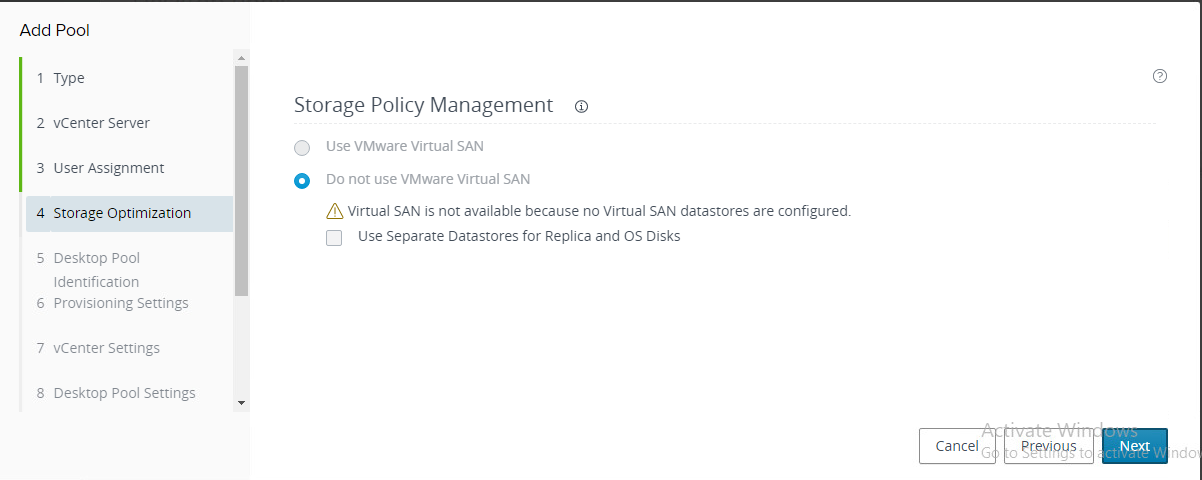
Tryu cập VDI Manager: <https://vdi.fpts.com.vn/admin>

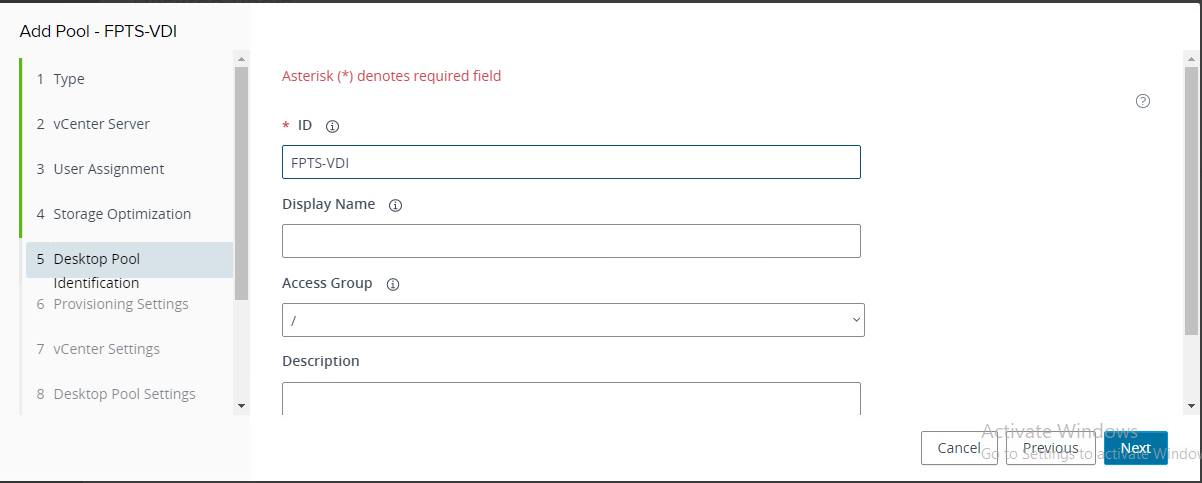




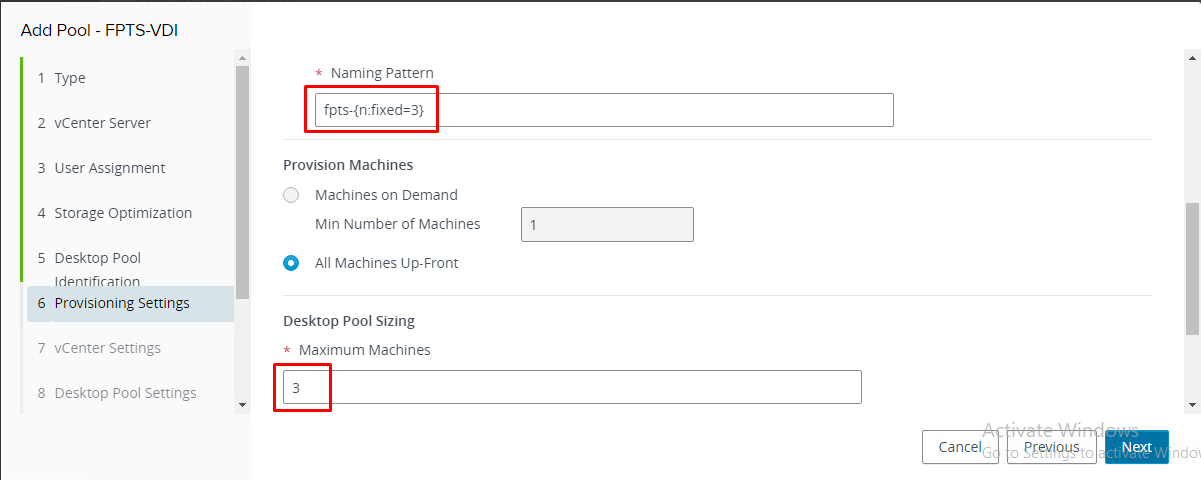


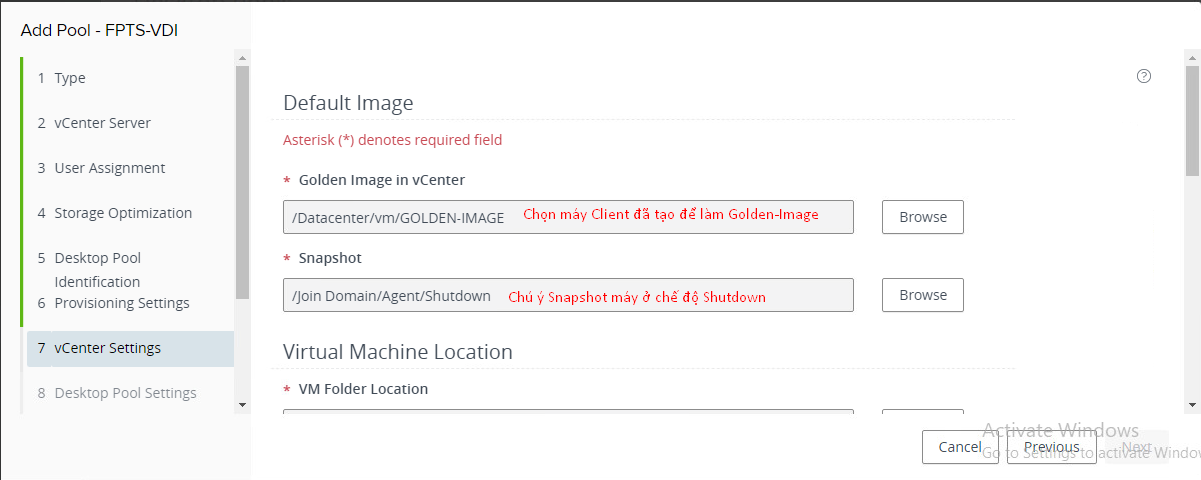


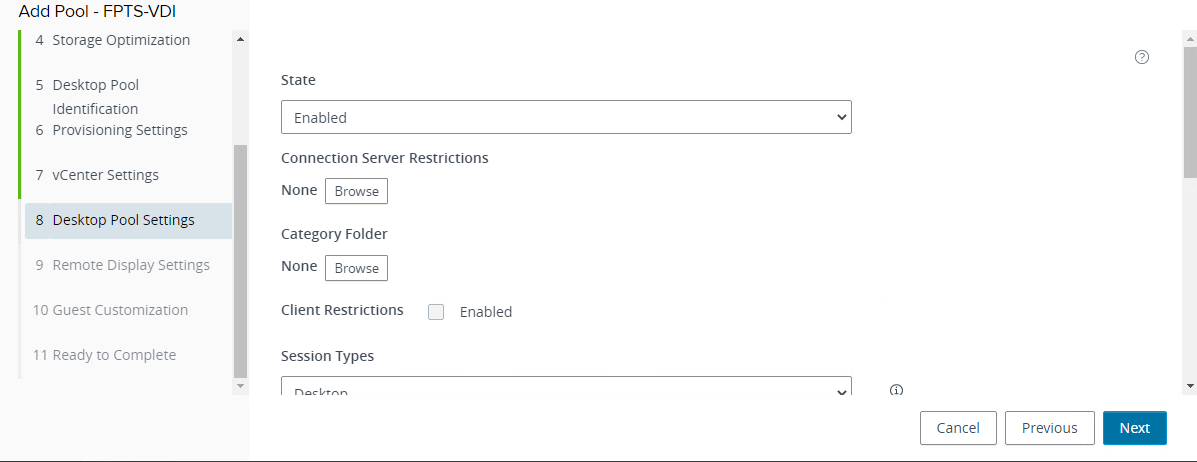


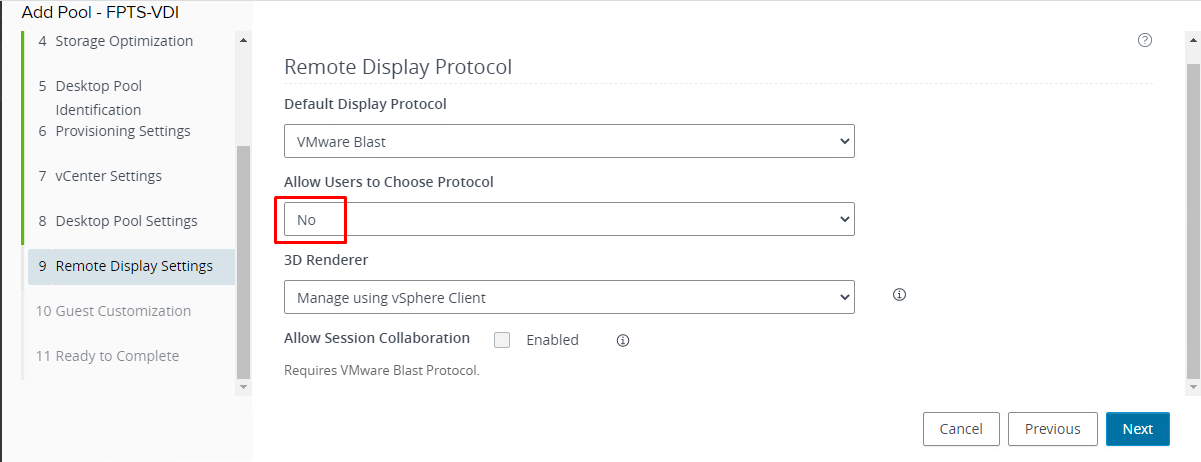


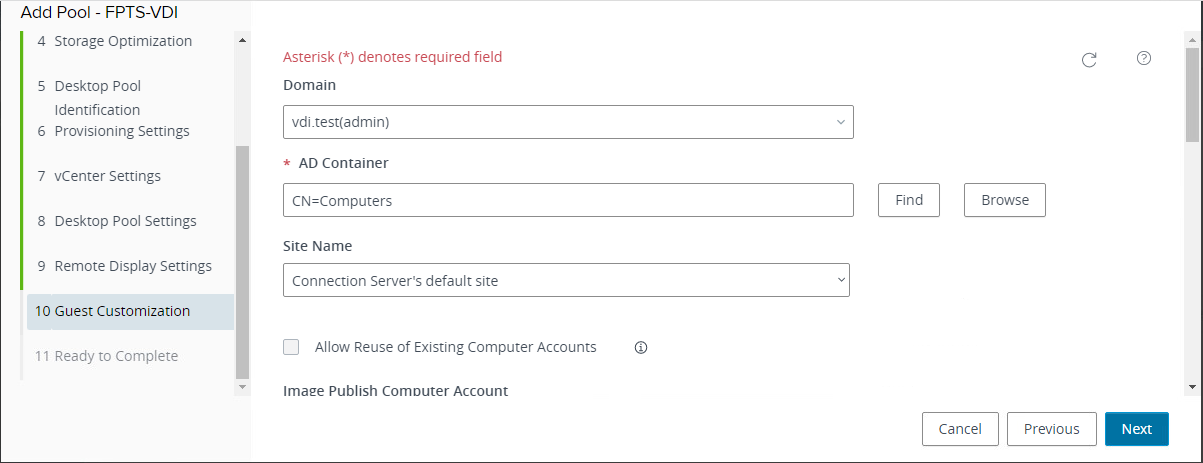
Đặt tên máy và chỉ định số VM sẽ được clone ra trong Pool

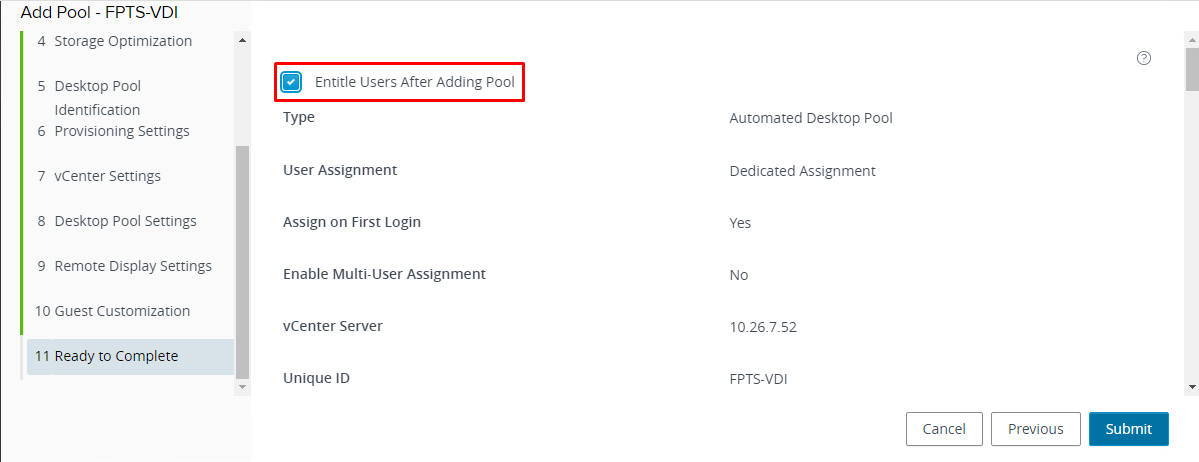


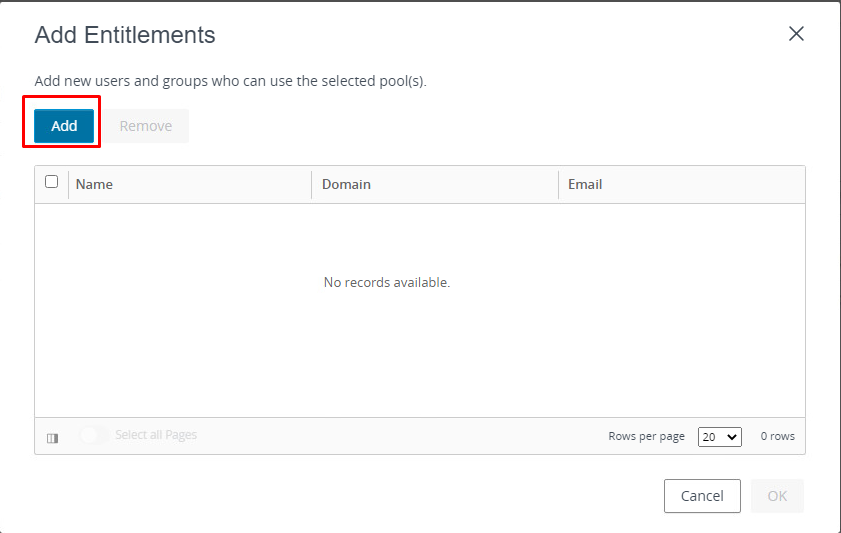


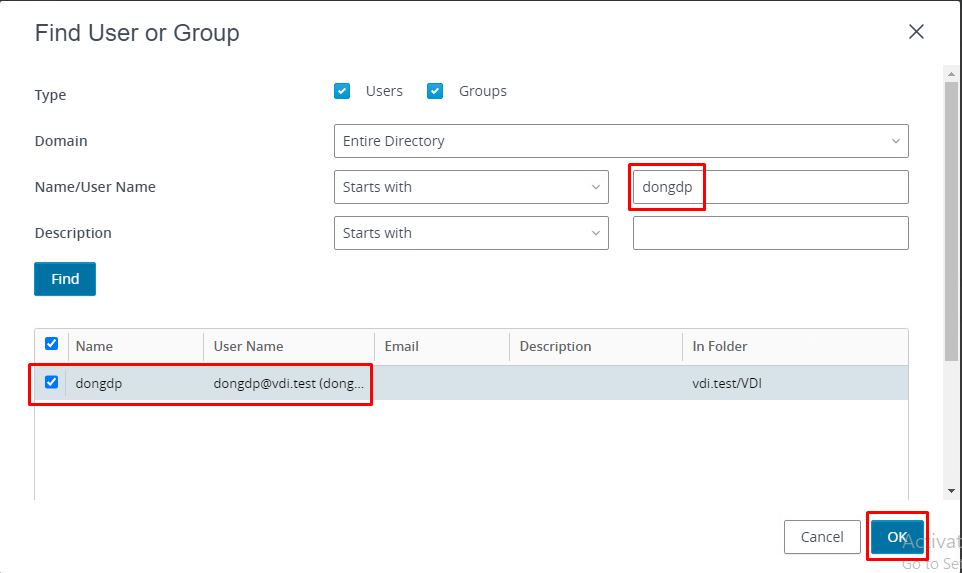








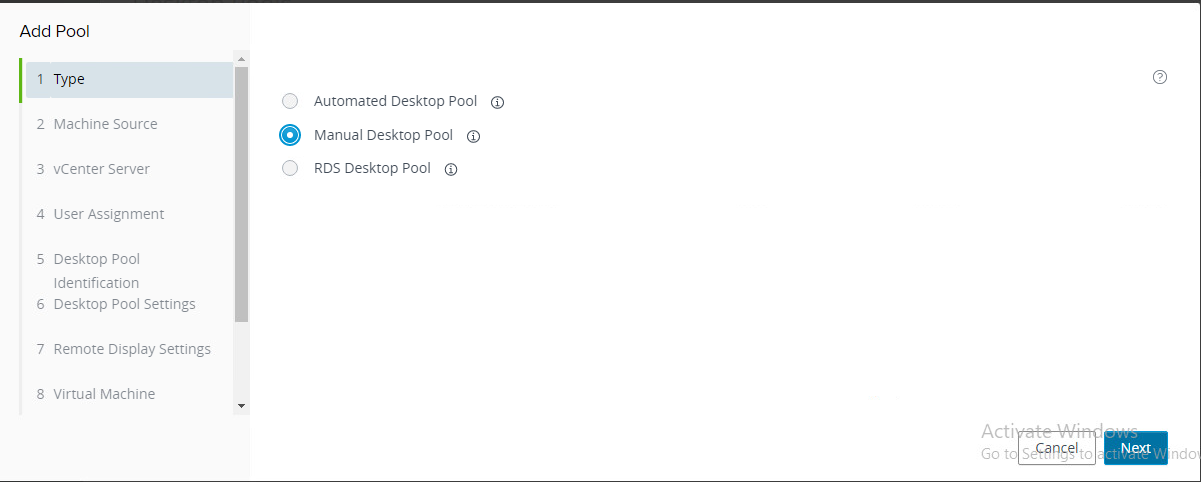


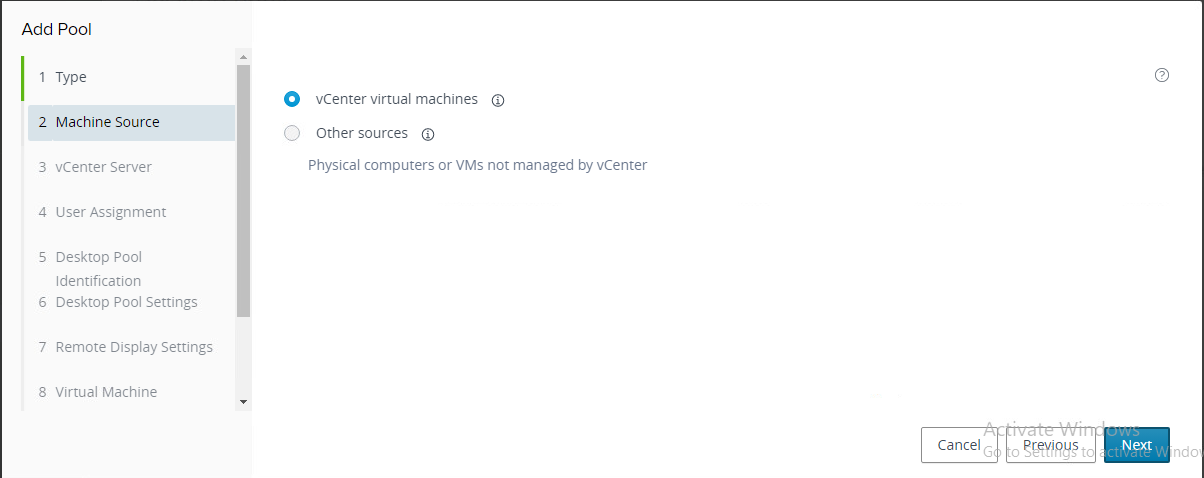


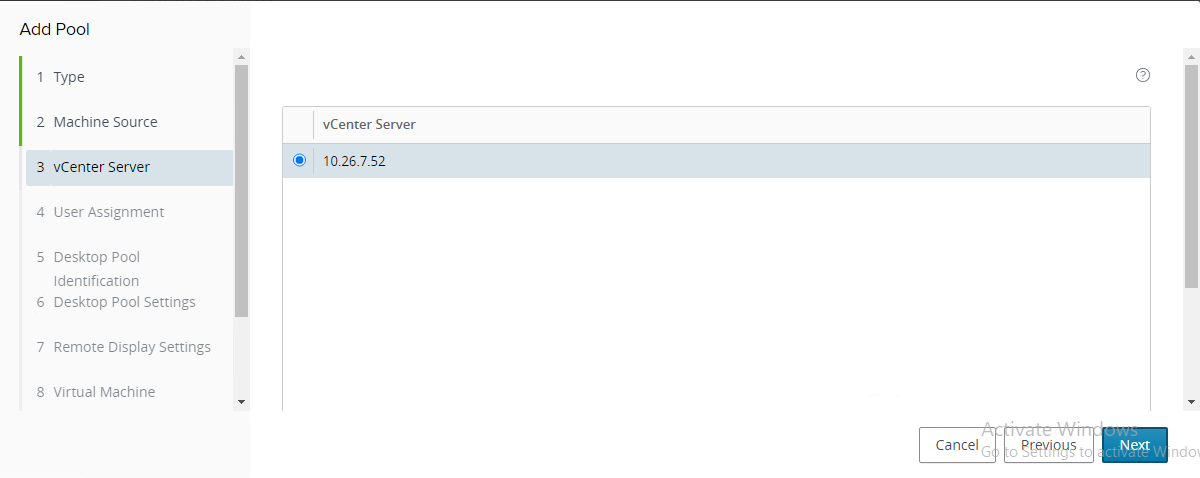
## Bước 5.1: Tạo Manual Desktop Pool

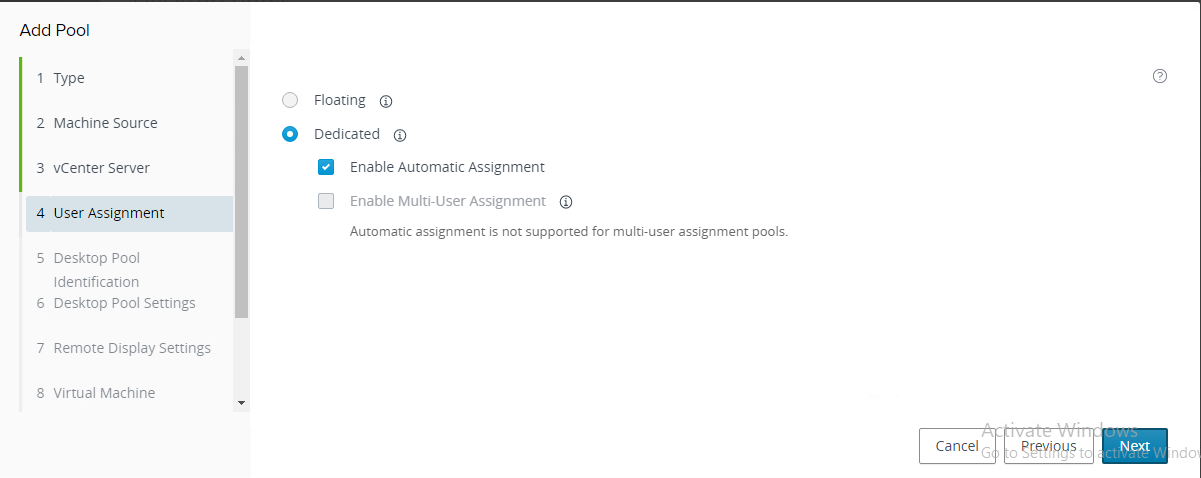
Bước 1: Vào VDI Manager: <https://xxx.fpts.com.vn/admin>

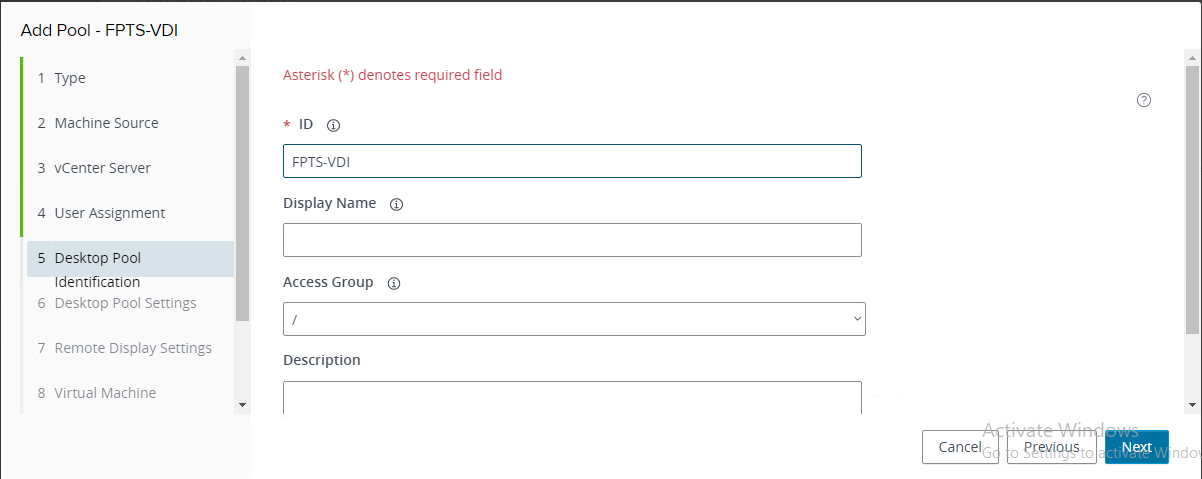
Bước 2: Tạo Manual Desktop Pool

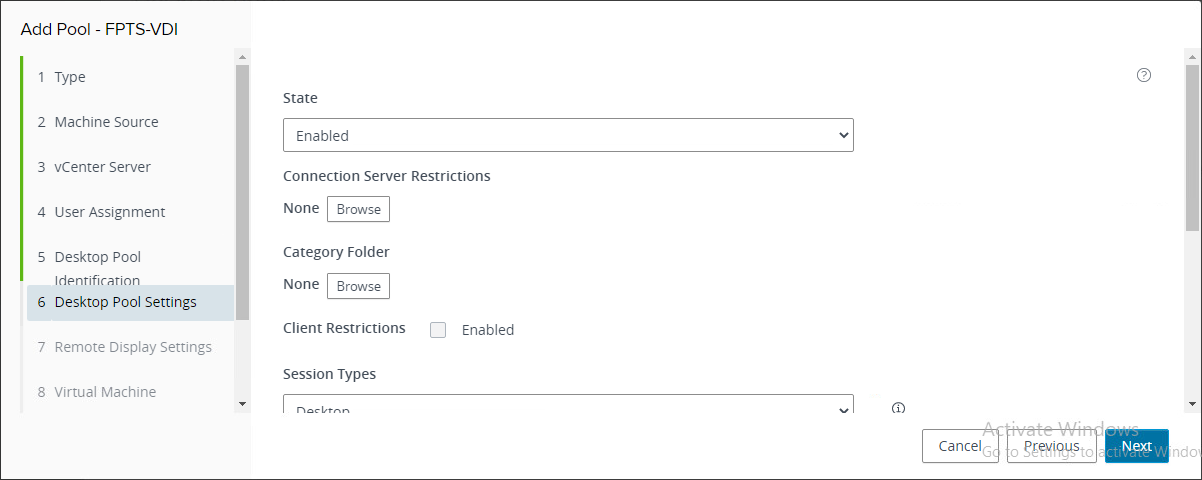


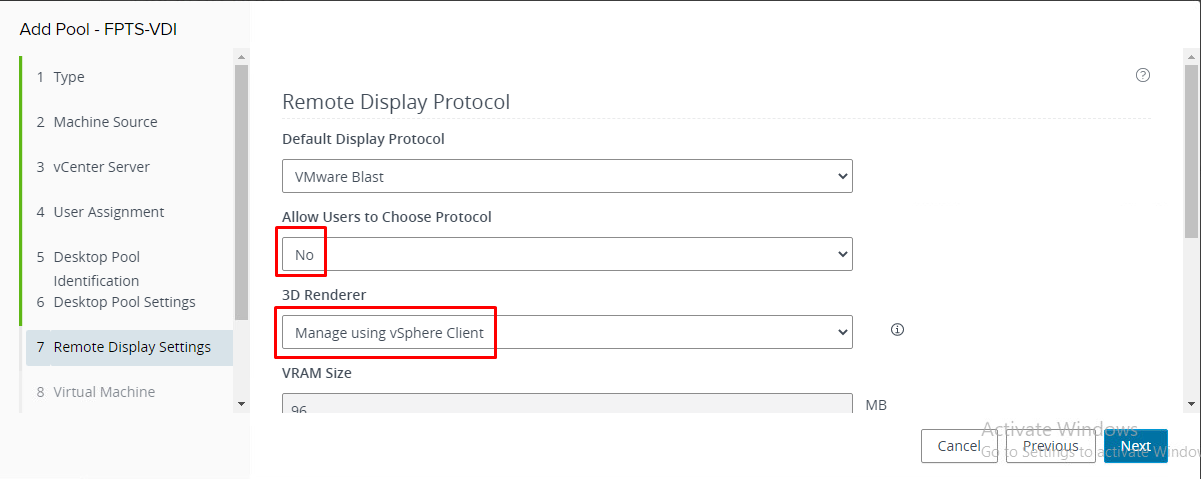




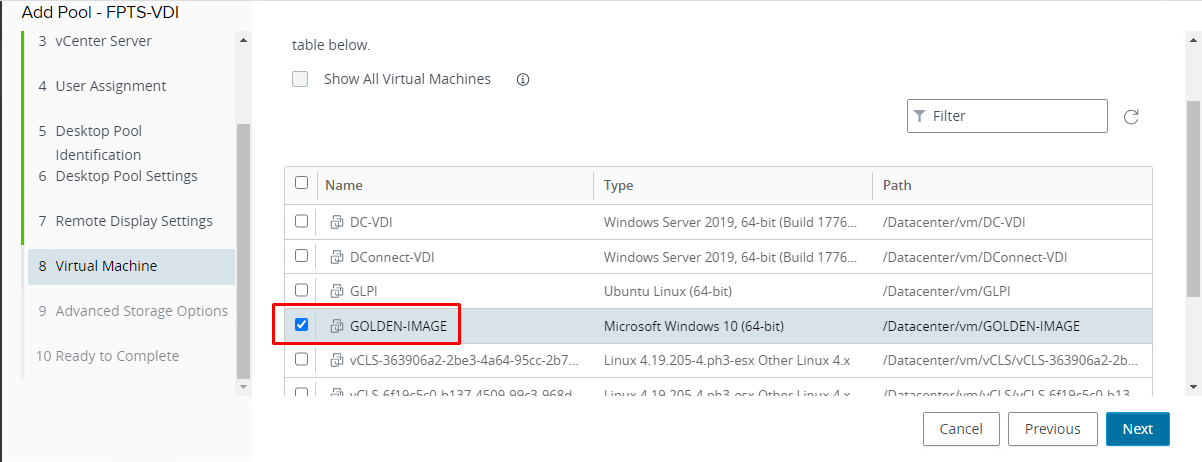


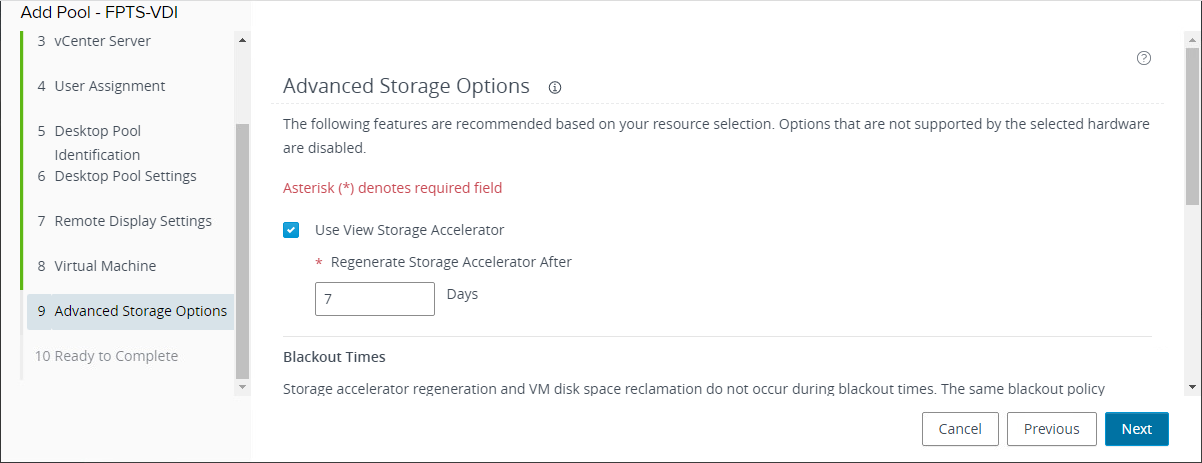






Chọn VM muốn add vào Pool







Chú thích:

* Khi cài docker cần sửa subnet trong phần config của viewagent

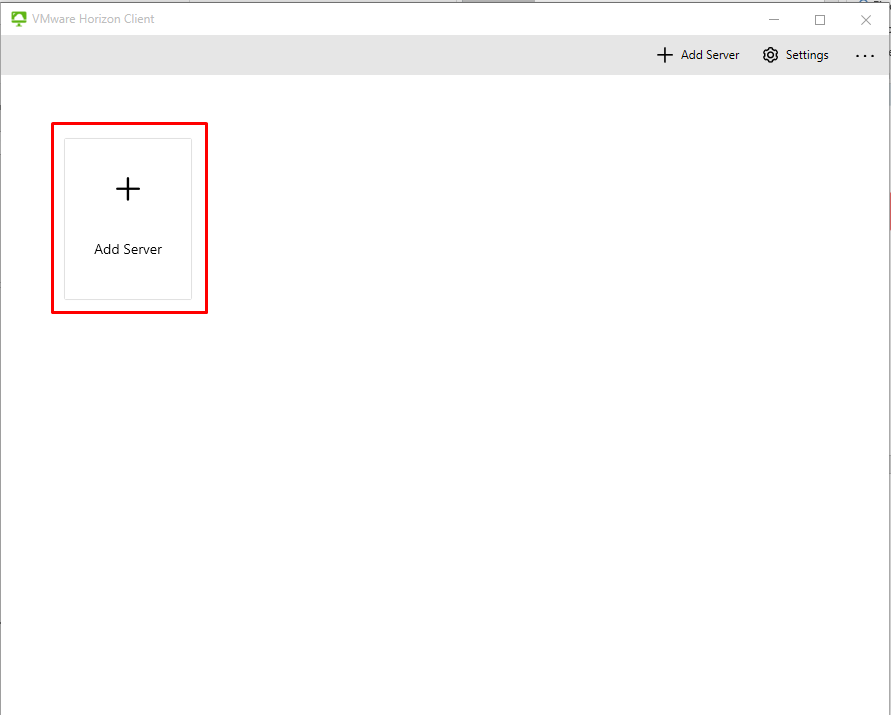
#nano /etc/vmware/viewagent-custom.conf

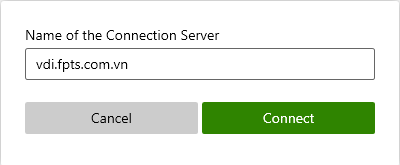
Bỏ “#” trước dòng “Subnet=x.x.x.x/xx” sửa thành dải mạng chính của VM

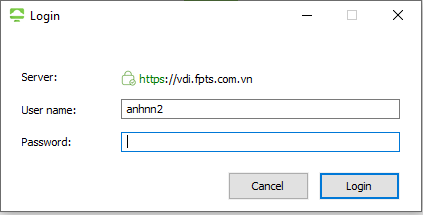
## Bước 5.2: Fix lỗi “FAULT TYPE is AGENT\_CUSTOMIZATION\_FAULT”

Chỉnh card mạng Golden-Image sang VMXNET3

## Bước 6: Kết nối đến VDI

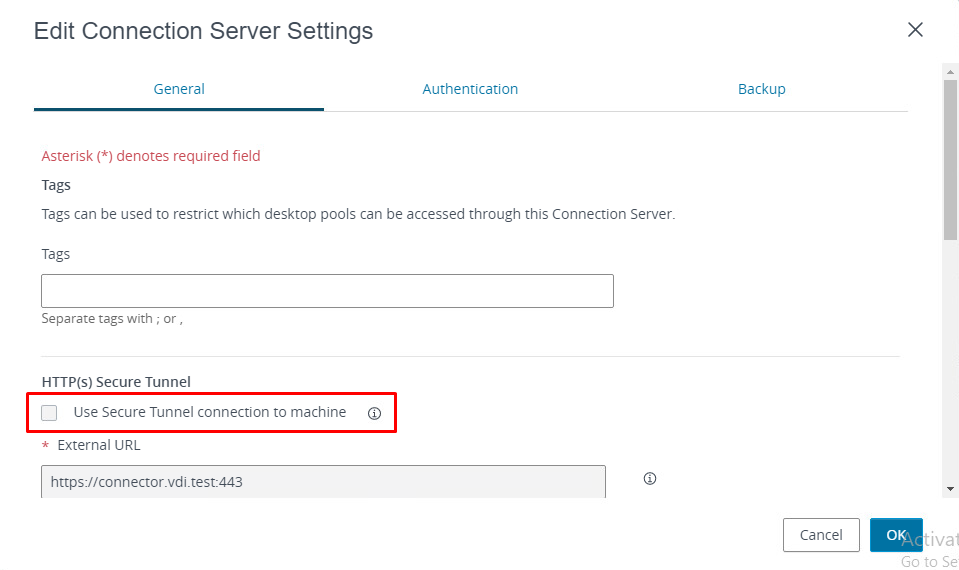
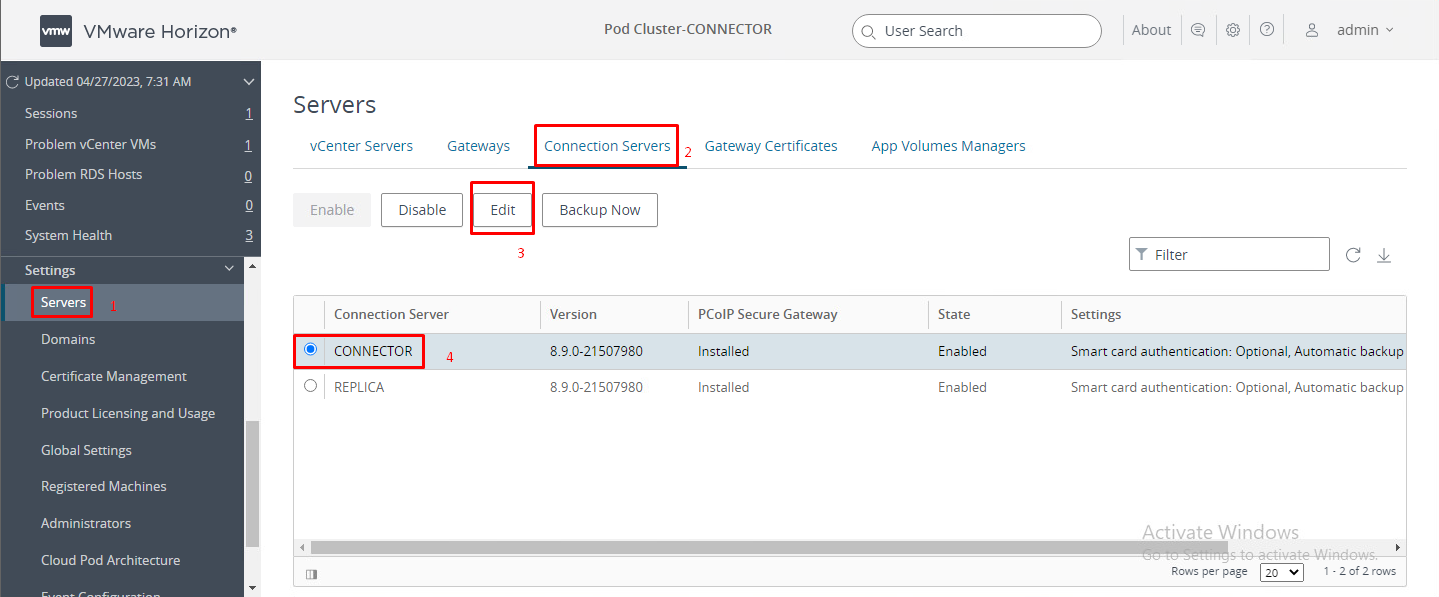




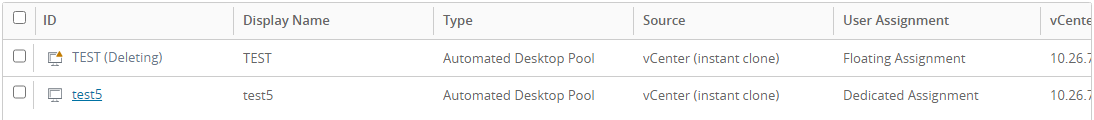


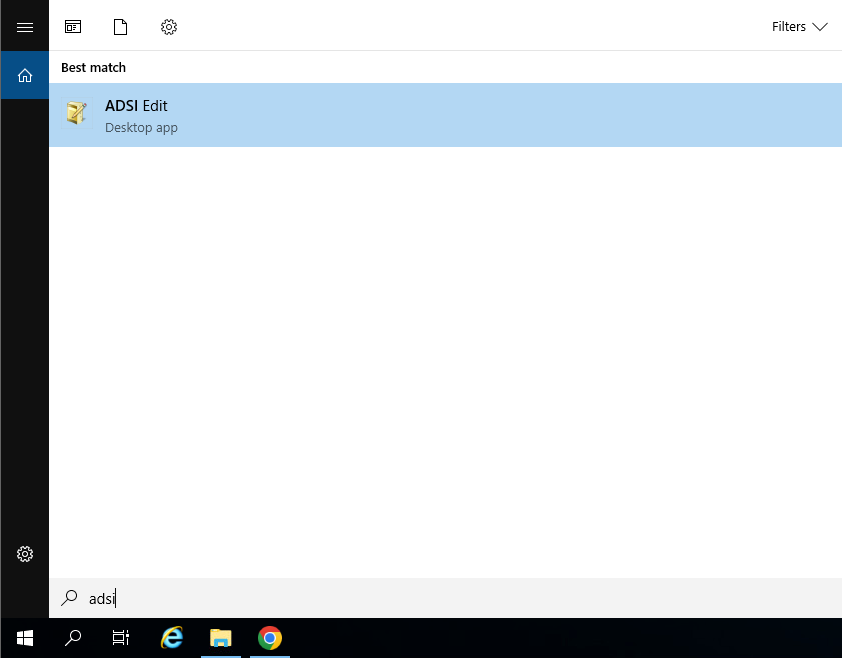


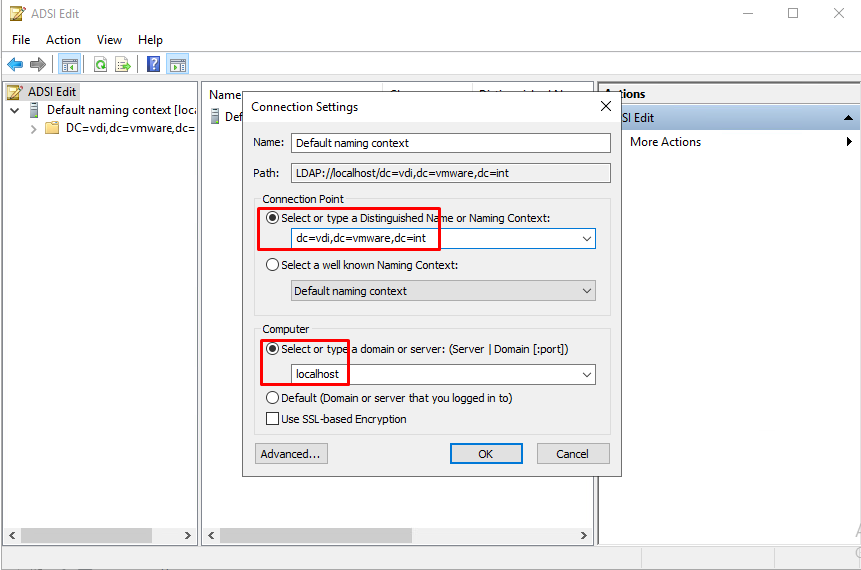
* Bước 7: Fix lỗi “Could not establish tunnel connection”

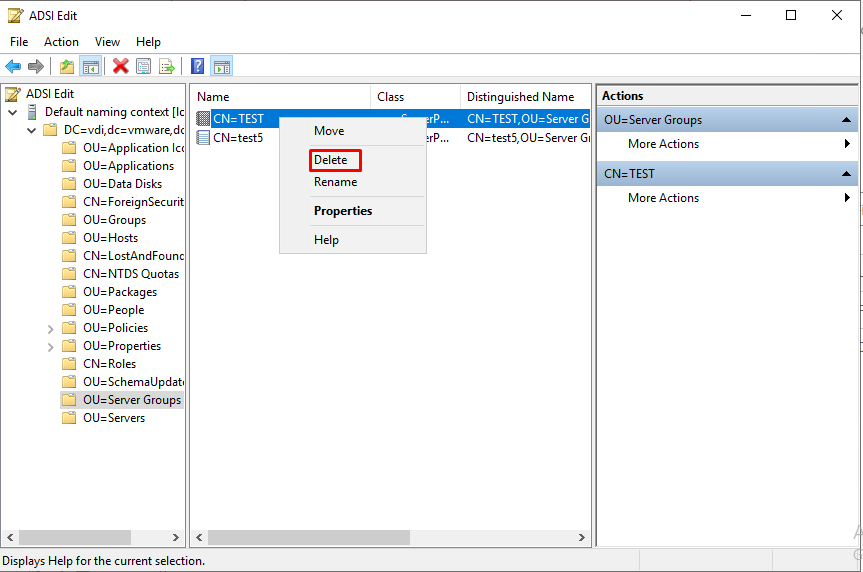


## Bước 8: Fix lỗi “Stuck in Deleting Desktop Pools”







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