Virtual Desktop Infrastructure

For this lab, you will deploy VMware Horizon View and the necessary components that will allow you to directly access an admin machine of your own.
Pro tip, check out the class video for steps, if you follow along with everything in the video, the lab will be completed for you.

Requirements
- Details will be covered in the class video as well
  - In vCenter
    - Setup a Windows Server 2019 machine, if you don't already have a template
      - Store it on one of your LOCAL datastores
      - Once it's setup, install VMWare Tools, if it's not already
      - Convert the machine to a new template
    - Deploy a new copy of your template & name it ConnServer
    - Deploy a second copy of your template & name it SecServer
    - Create a customization specification to join windows machines to your domain
    - Create a Windows 10 VM
      - Use the Windows 10 ISO on the ISO datastore
      - Store the VM on one of your LOCAL datastores
      - Install VMware Tools
      - Install the View Agent from the VMware_Horizon ISO
      - Convert it to a template
  - From the Horizon VM:
    - Rename the VM & set its hostname to 'ConnServer
    - Use the IP 10.1.1.160 & join it to Active Directory
    - Install VMware Horizon View Connection Server
      - You can find this installer on the ISO datastore- insert the ISO in your Horizon VM
      - Use the 'connectionserver' installer, choose Standard Server when asked
      - Grant your domain admin account access
  - From SecServer
    - Rename the VM & set its hostname to 'secserver'
    - Use the IP 10.1.1.150
    - Install VMware Horizon View Connection Server
      - You can find this installer on the ISO datastore- insert the ISO in your Horizon VM
      - Use the 'connection server' installer, choose *Security Server* when asked
      - When asked for a pairing password, you can set one by accessing the Horizon Admin interface and going to: View Configuration> Servers>Connection Servers, select your server and hit 'Specify Security Server Pairing Password...' under the More Commands button.
      - Complete the installation
  - From your admin machine
    - Browse to your Horizon Server's IP in Firefox, log into Horizon
    - Log in & grant your domain admin account access
    - Add the license key that's posted in the class video
    - Attach your Horizon client template, entitle yourself, and connect.

- From pfSense
  - Forward ports TCP443 and TCP/UDP 4172 from your WAN interface to the SecServer VM

- **Combine your screenshots into a single document of screenshots for the following submission:**
  - Browsing your Horizon Web interface from its public IP on your laptop/desktop (not inside the IA Lab VM! -> https://138.247.12.XXX). Note: this doesn't mean logging into the HTML5 version of the VM; that won't work unless you configured it. This just means showing that you can hit the web page.
  - Connecting to your remote admin machine using the Horizon client you've installed on your home computer
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