VMwareESXi Shutdown Wizard

User's Manual

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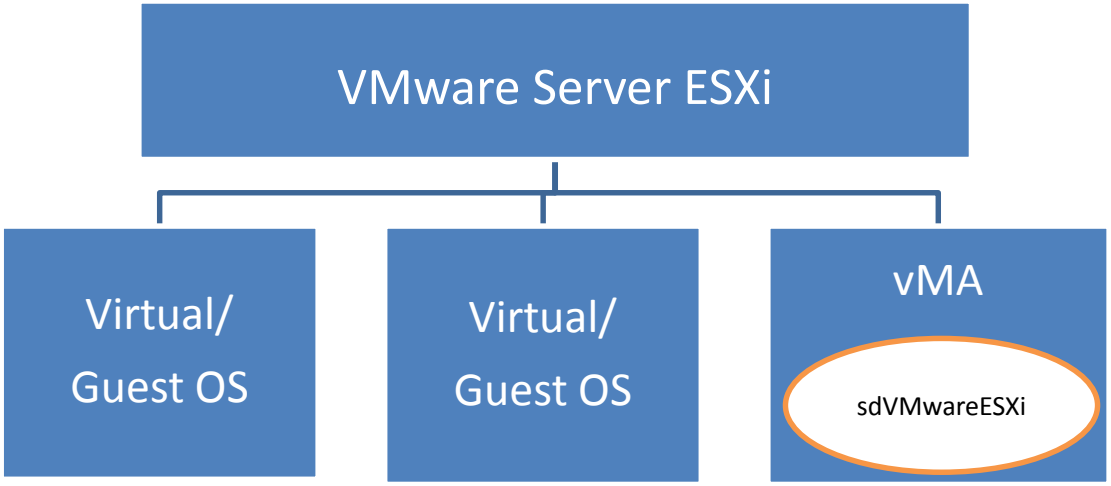
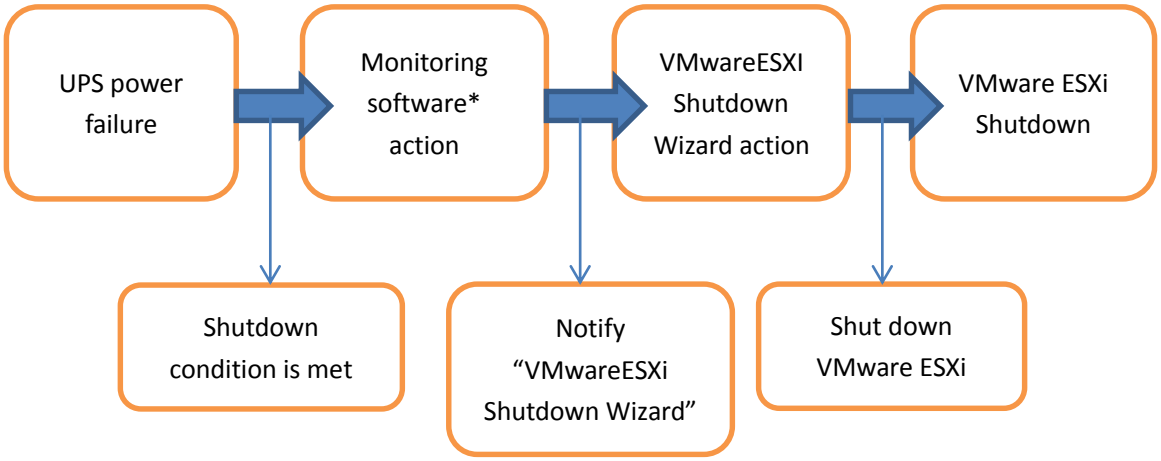
1 Overview



1.1 Shutdown procedure



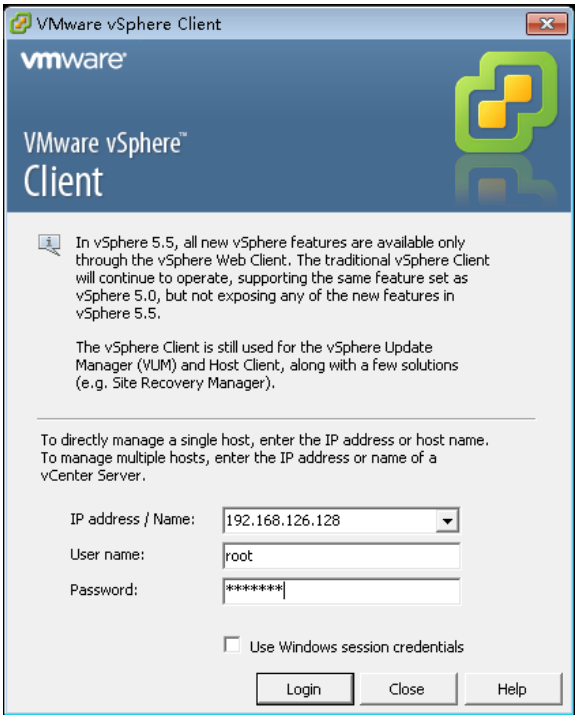
- The full name for the vMA is "vSphere Management Assistant". It is released by the VMware company to manage the vSphere.

*Monitoring software could be ViewPower or ViewPower Pro.

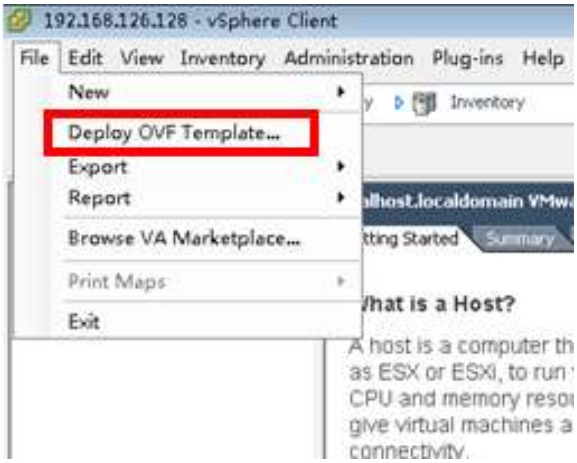
2 Configure VMware ESXi in VMware vSphere Client

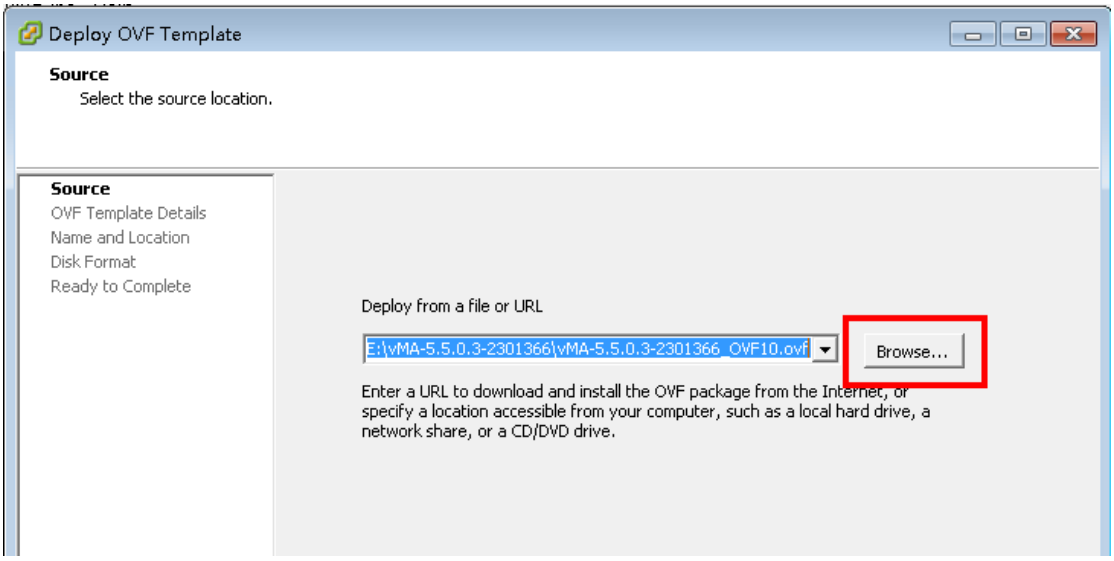
2.1 Install vMA

1. Go to the website http://www.vmware.com/support/developer/vima/
2. Download the vMA file and extract it. The format for the VMA document is *.OVF.
3. Start the VMware vSphere Client.

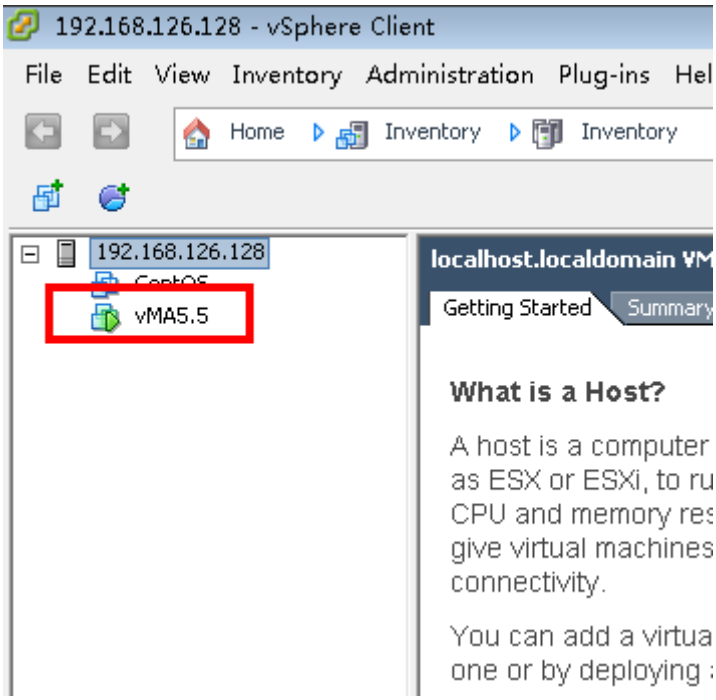


4. Select "File" > "Deploy OVF Template". Click the browse button and select the OVF document.



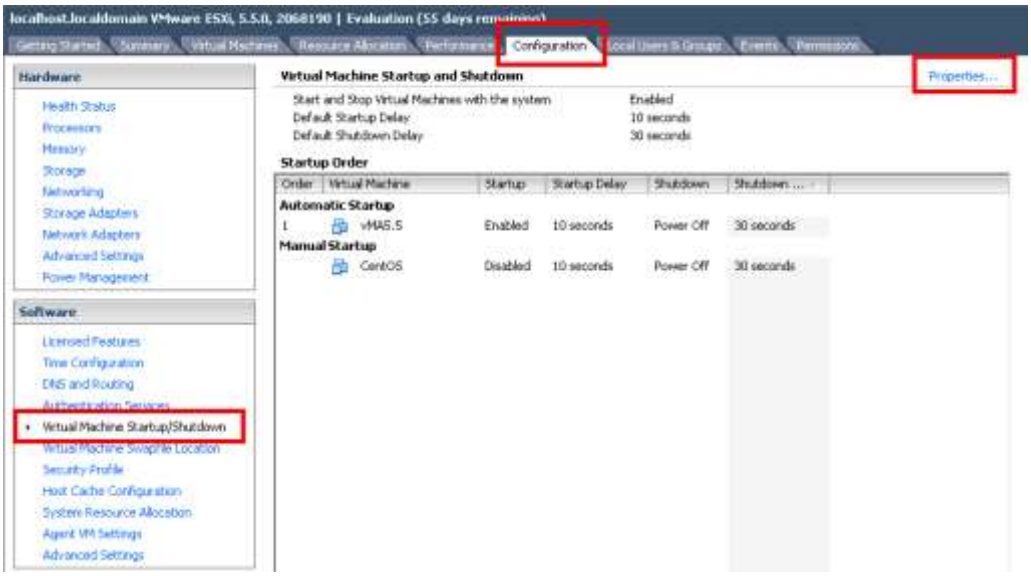


5. Execute vMA and the default user name is vi-admin. Set the password before first login

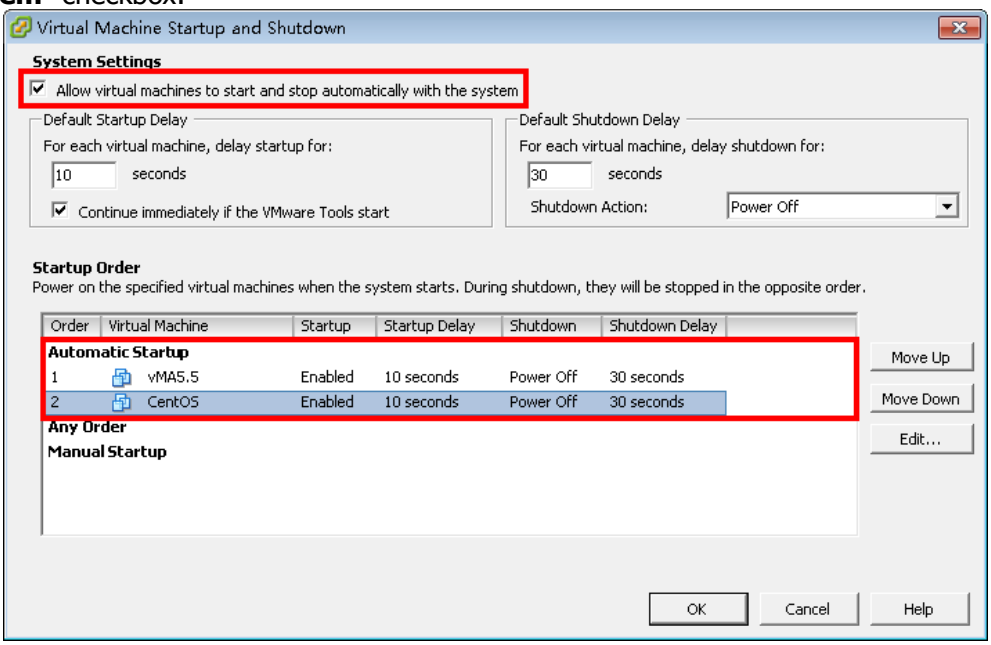


2.2 Configure startup/shutdown automatically with VMware ESXi

1. Start VMware vSphere Client
2. Click **Configuration -> Virtual Machine startup/shutdown->Properties**

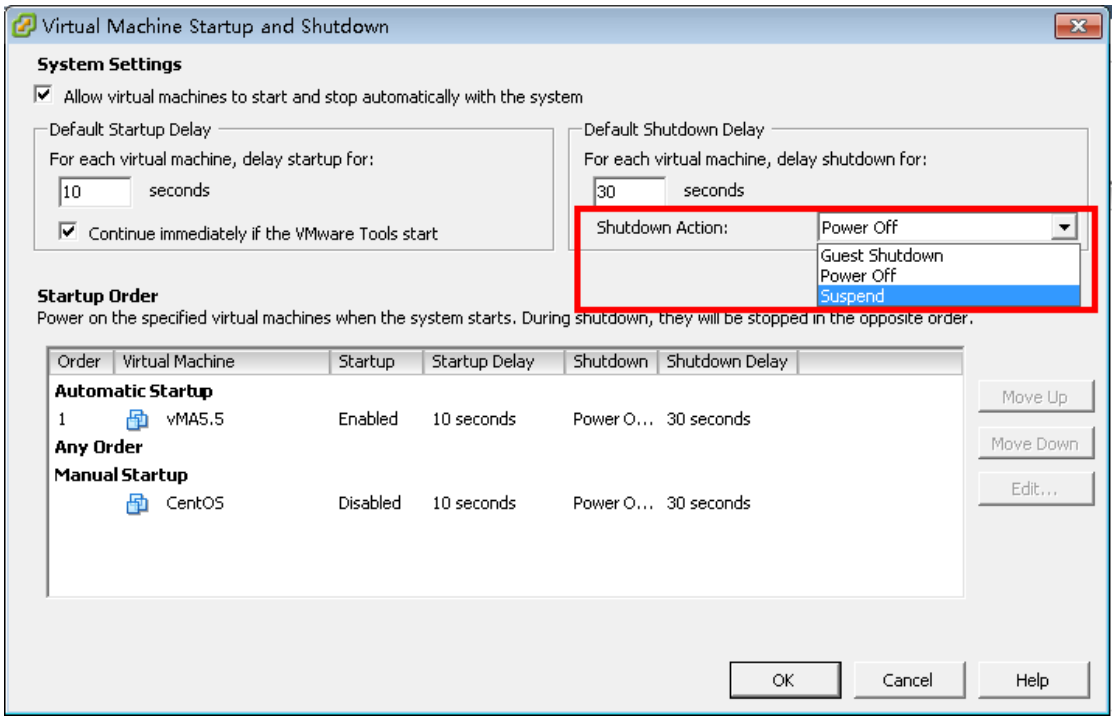


3. Click "**Allow virtual machines to start and stop automatically with the system**" checkbox.



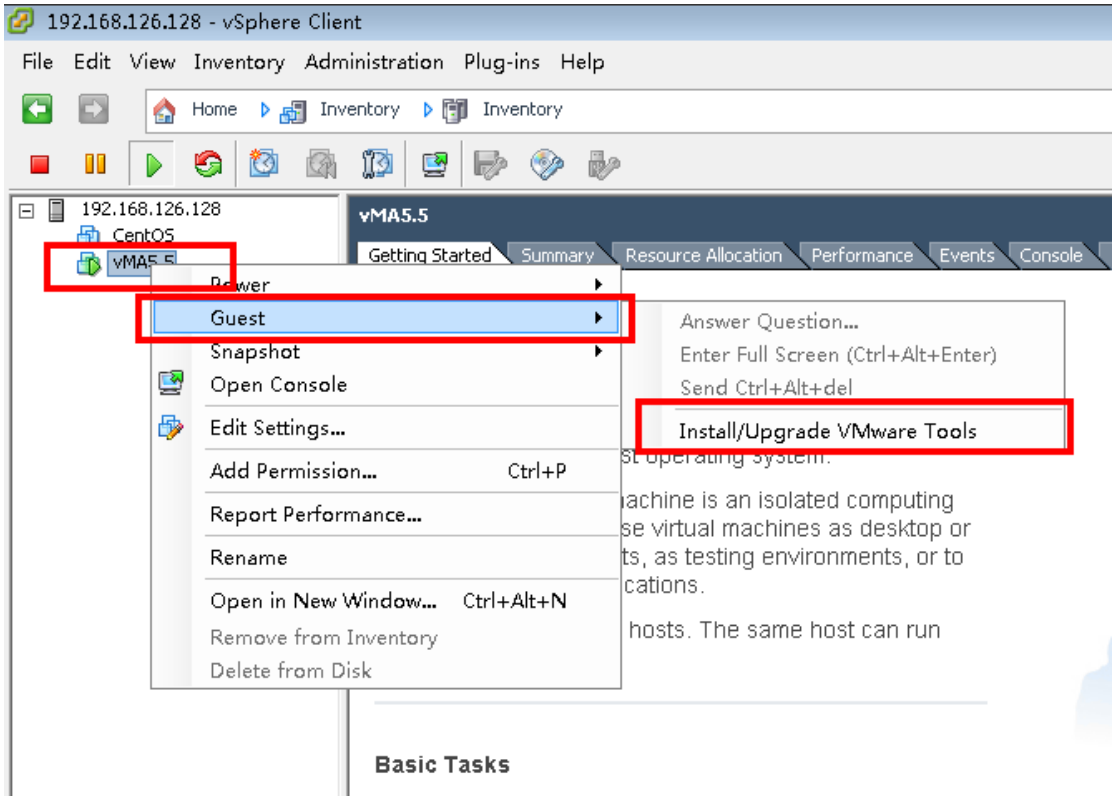
4. Move up the virtual machines to the "Automatic Startup" list

The virtual machines will start/stop when the host start/shutdown automatically

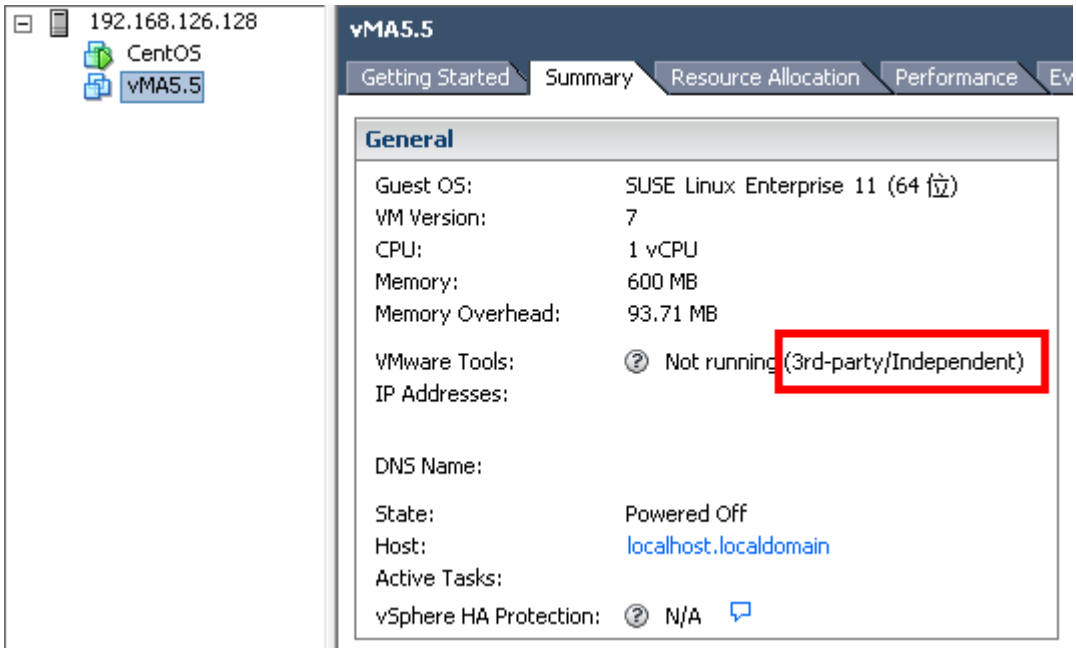


Note: If the Shutdown Action is set up, make sure the VMware tools are installed in each virtual machine.
Please refer to the official website for more information about VMware tools.

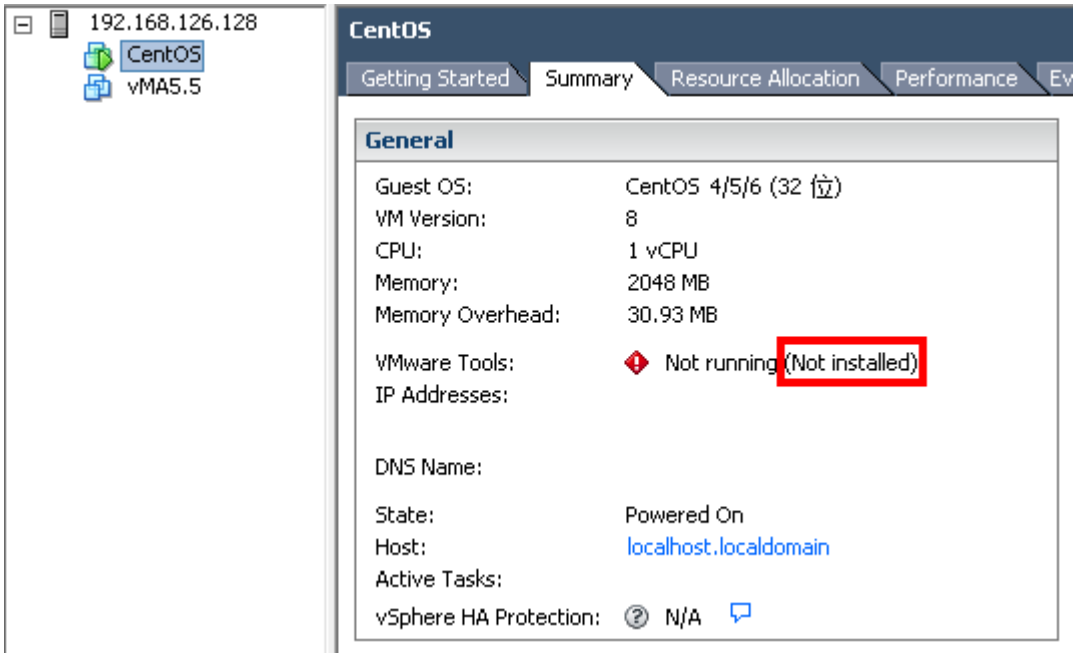
Right click one of the VMs and click Guest -> Install/Upgrade VMware Tools.
The vMA will install the VMware Tools as default.



If VMware Tools are installed, it will show below screen:



If VMware Tools are not installed, it will show below screen:



2.3 Configure sdVMwareESXi port

The sdVMwareESXi uses udp port 31234 and this port is opened as default.

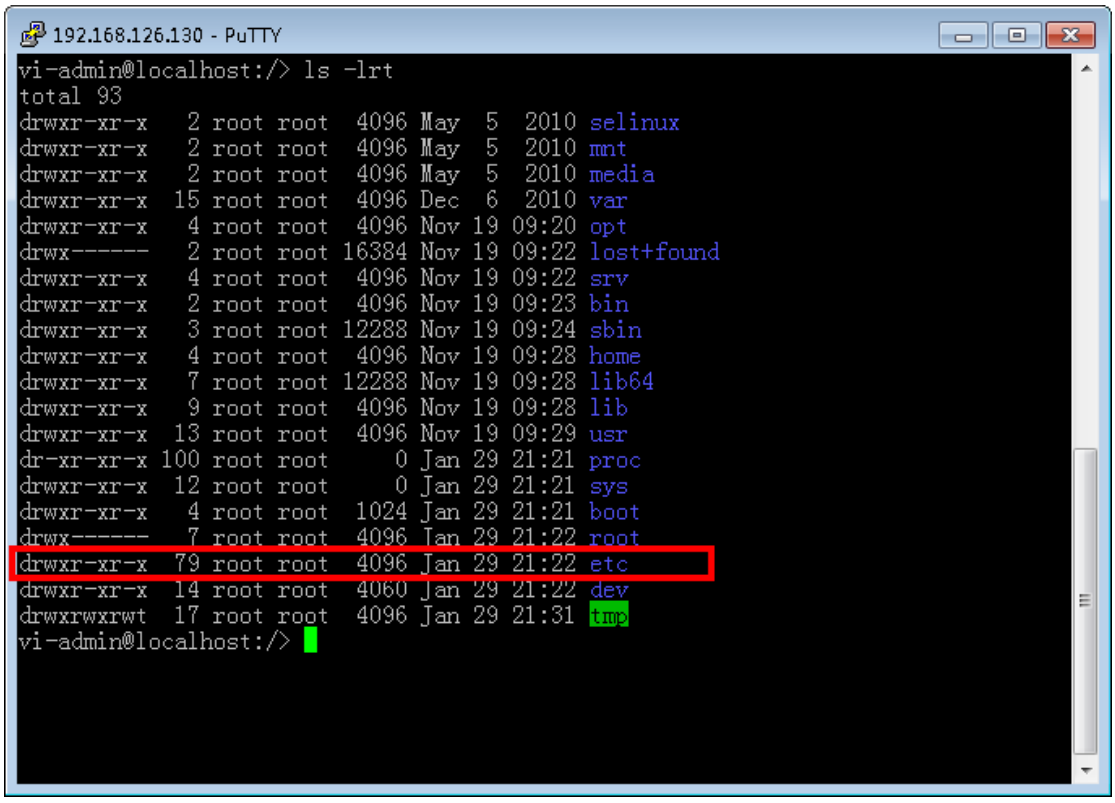
Open the UDP ports by the following command if the port is disabled:
iptables -I INPUT -p udp --dport 31234 -j ACCEPT
iptables -I OUTPUT -p udp --dport 31234 -j ACCEPT

3 About VMwareESXi Shutdown Wizard and configuration

3.1 About VMwareESXi Shutdown Wizard

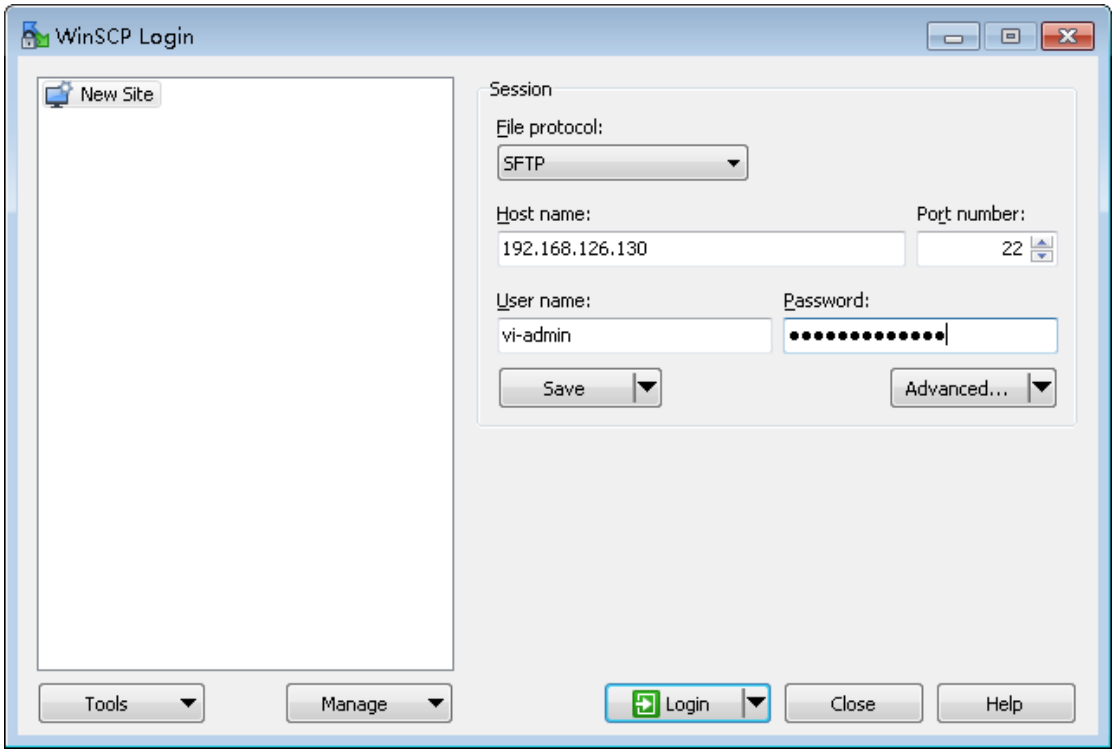
VMwareESXi shutdown wizard will accept shutdown commands to remotely shut down VMware ESXi from ViewPower or ViewPower Pro. This shutdown wizard is a background process under the vMA. Simply extract vMA. Then, VMwareESXi shutdown wizard is embedded.

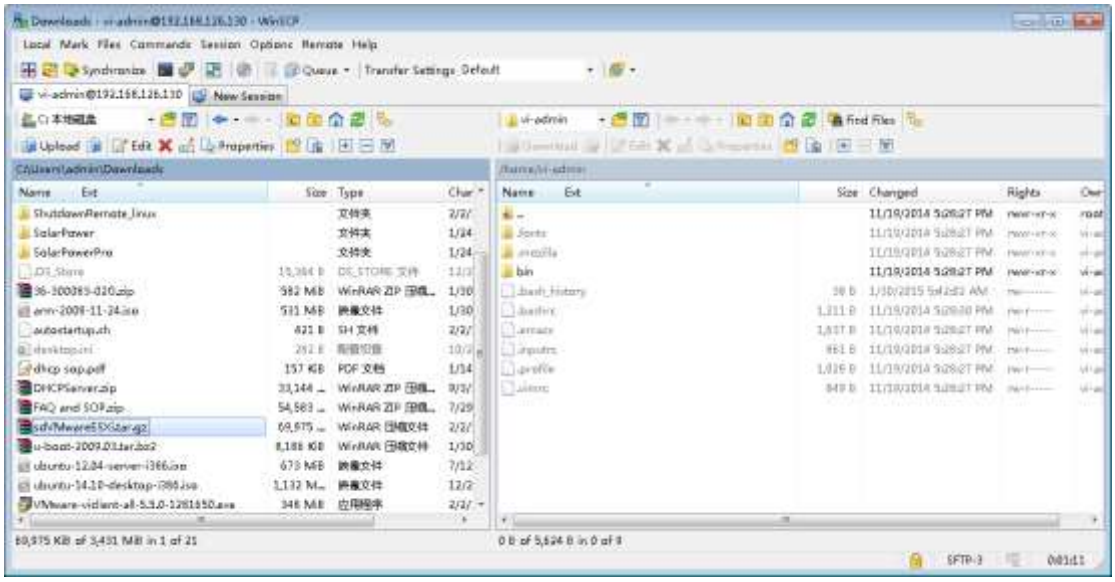
NOTE: It's requested to configure VMwareESXi shutdown wizard with ID of root user. Because it's required to add some shell scripts in "/etc" directory and this modification is only authorized to root user only. If it's not followed with root user, it may not automatically trigger VMwareESXi shutdown wizard when vMA is activated.



3.2 Upload sdVMwareESXi.tar.gz to vMA by WinSCP

- Loing vMA by WinSCP

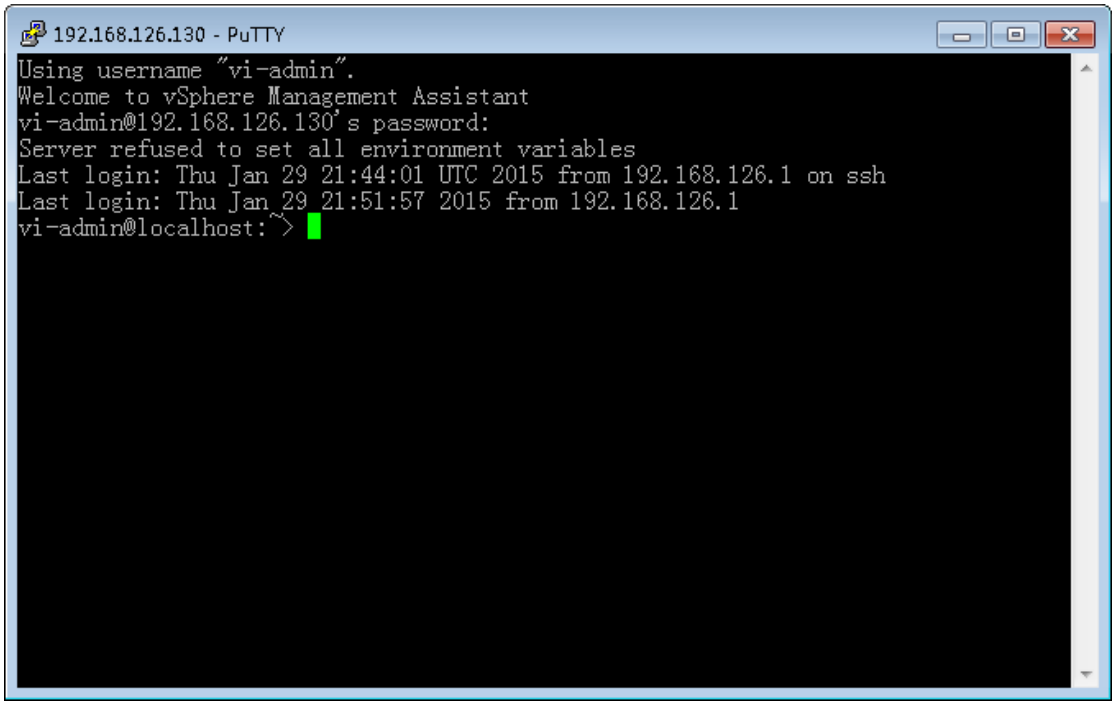




- Find the sdVMwareESXi from left window. Drag and release it to the right window.

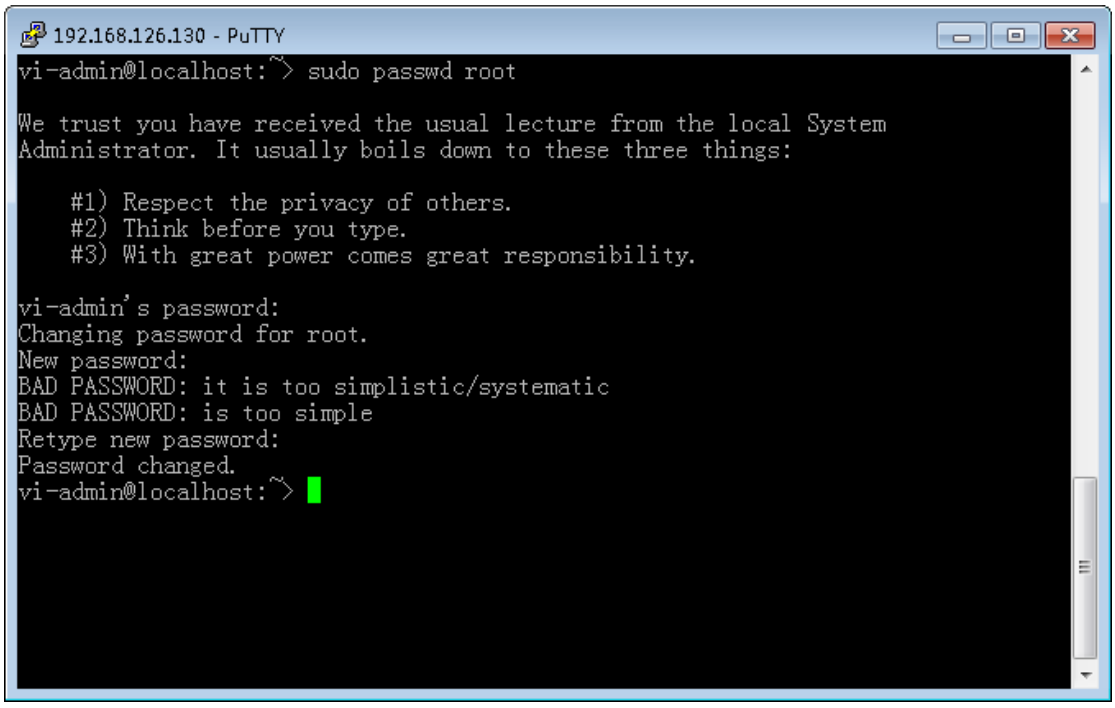
3.3 Authorize sdVMwareESXi.tar.gz to root user

- Open PuTTY



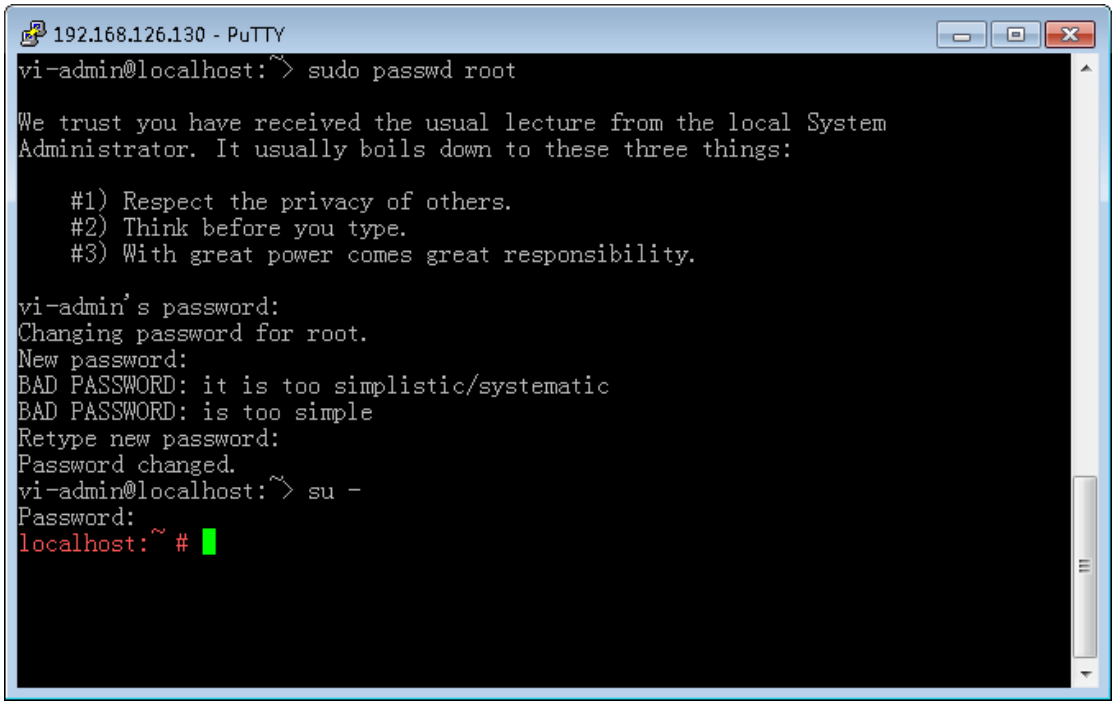
➢ Change the password of root user

When first using vMA, it's necessary to change the password of root user. Please key in "**sudo passwd root**" to change password.



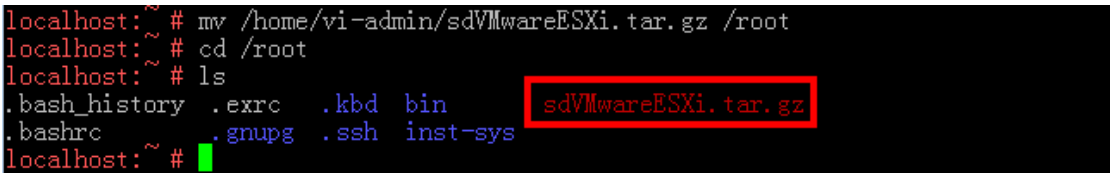
➢ Switch to root user

Key in "**su -**" to switch to root user



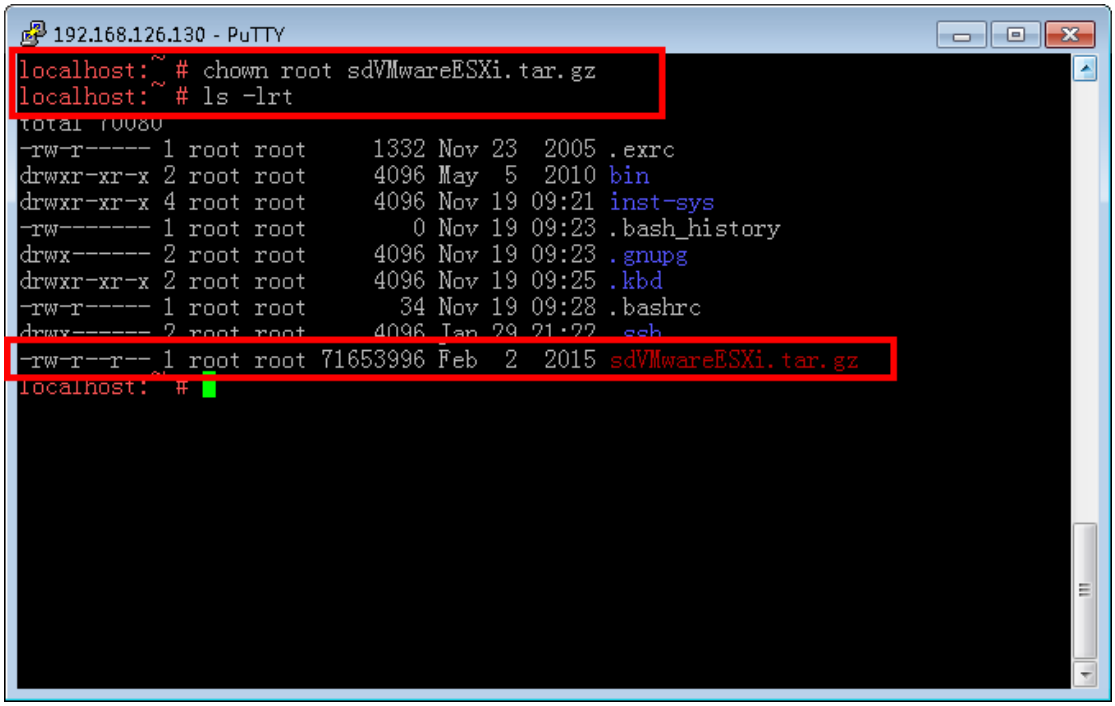
➢ Copy sdVMwareESXi.tar.gz from /home/vi-admin to /root

Key in "**mv /home/vi-admin/sdVMwareESXi.tar.gz /root**"



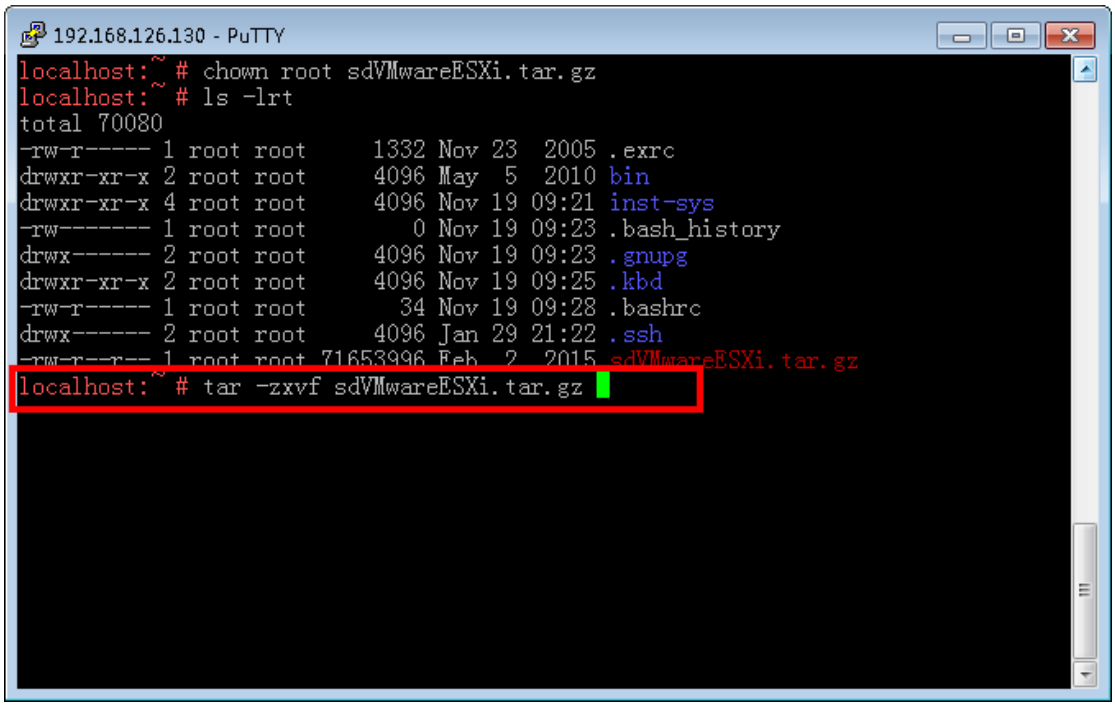
➢ Authorize sdVMwareESXi.tar.gz to be root user.

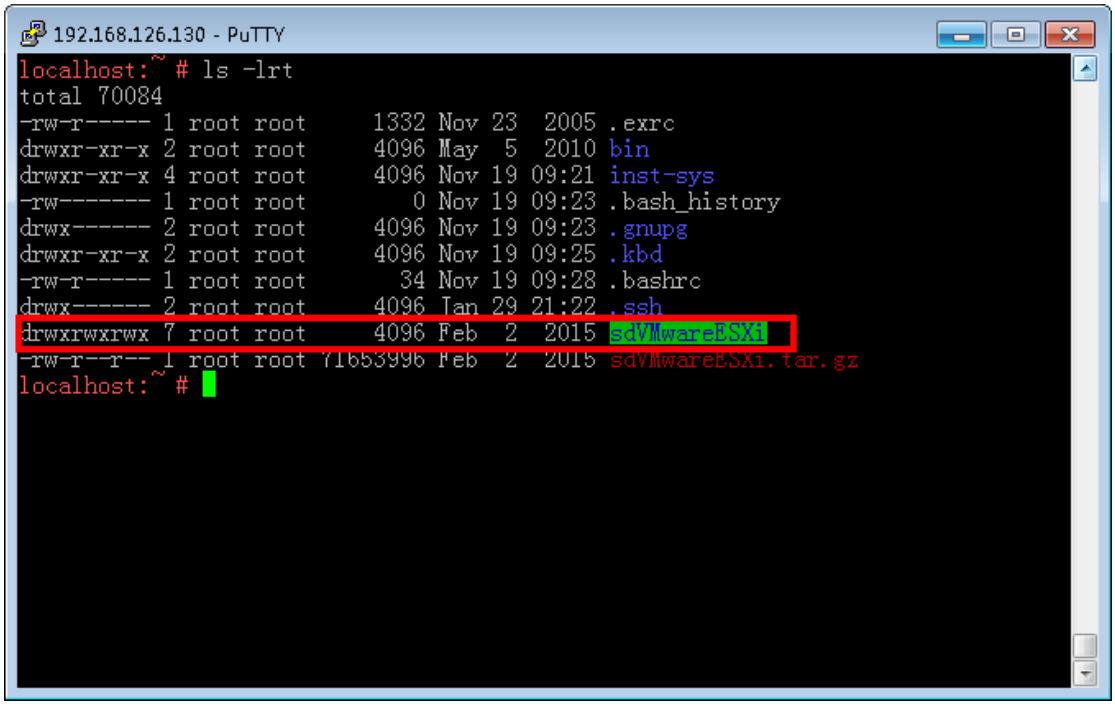
Key in "**chown root sdVMwareESXi.tar.gz**"



3.4 Extract sdVMwareESXi.tar.gz

Key in "**tar –zxvf sdVMwareESXi.tar.gz**" to extract sdVMwareESXi.tar.gz and the default folder name is sdVMwareESXi.





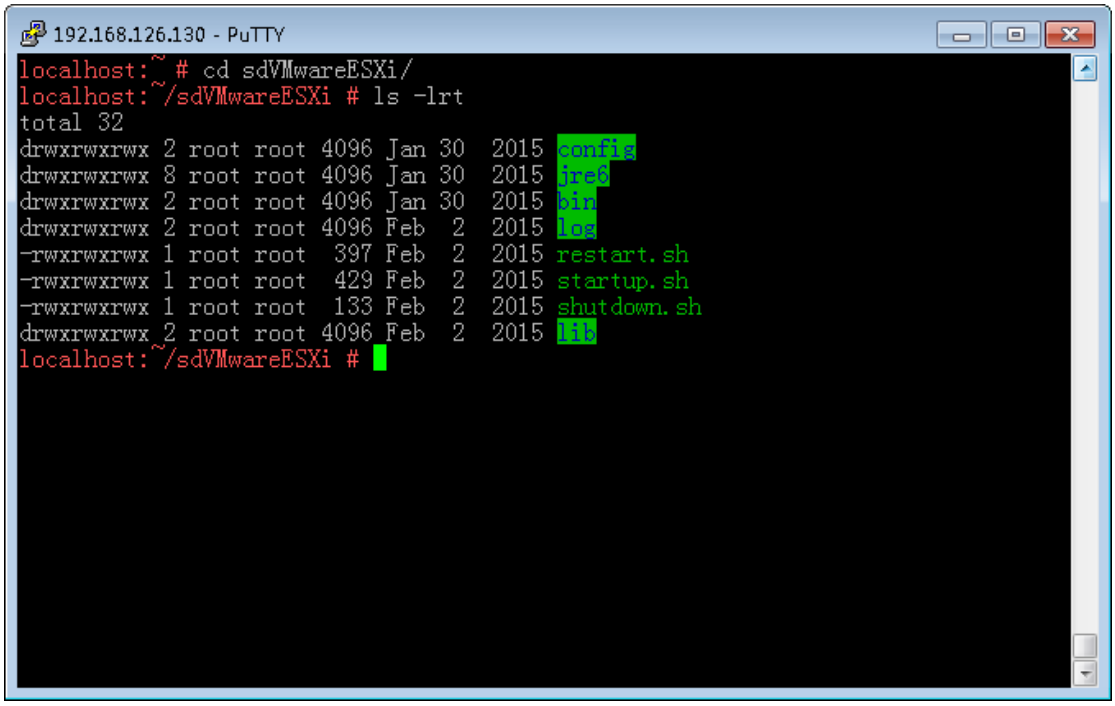
3.5 sdVMESXi introduction

Config: It's to configure the host name (IP), username and password of vMWare server ESXi.

Startup.sh: It's to start sdVMwareESXi.

Shutdown.sh: It's to shut down sdVMwareESXi.

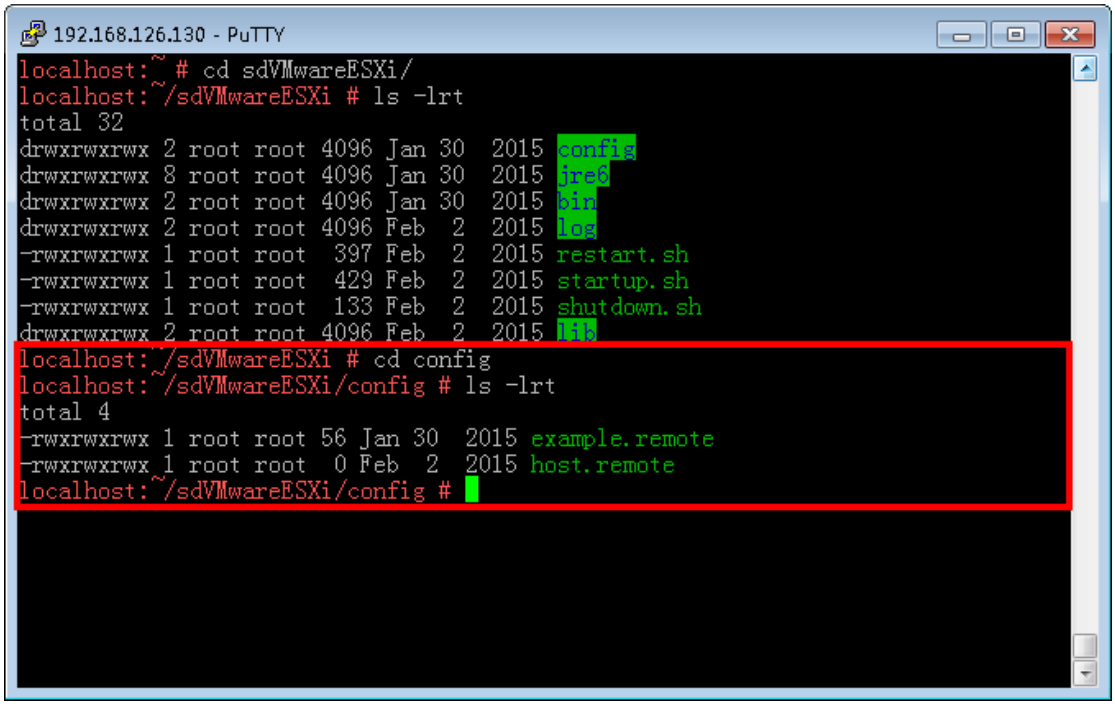
Restart.sh: It's to restart sdVMwareESXi.



3.6 VMware ESXi shutdown configuration

Key in "**cd config**" to enter "config" folder. You will find two files here.

- Example.remote: It will show examples to configure host.remote.
- Host.remote: It's to configure VMware Server ESXi.

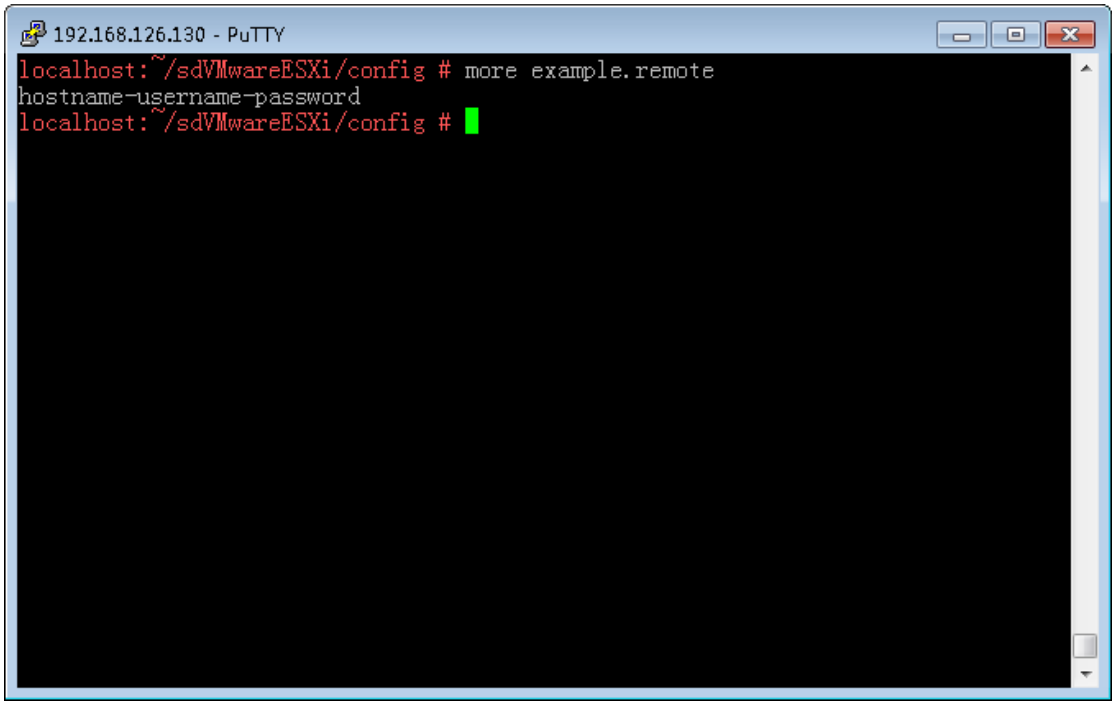


Key in "**more example.remote**" to view the example.

Hostname: Please enter IP or hostname of vmware exsi.

Username: Login user name of vmware esxi.

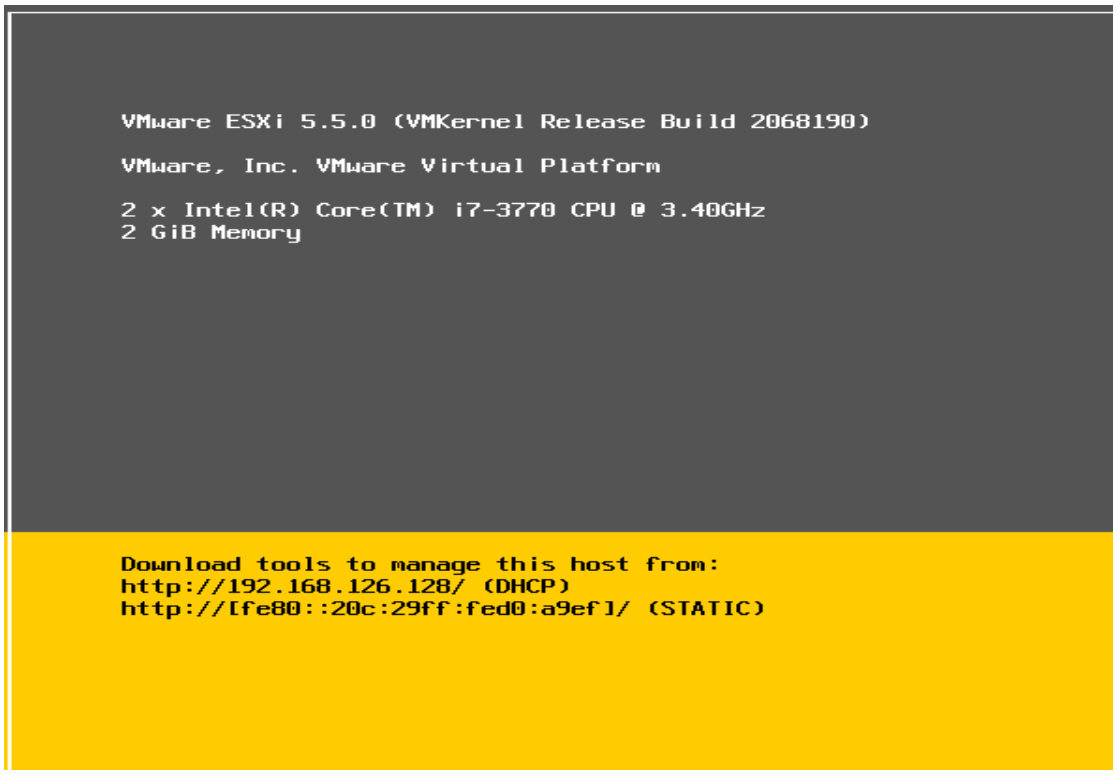
Password: Enter password of user name.



Configure host.remote

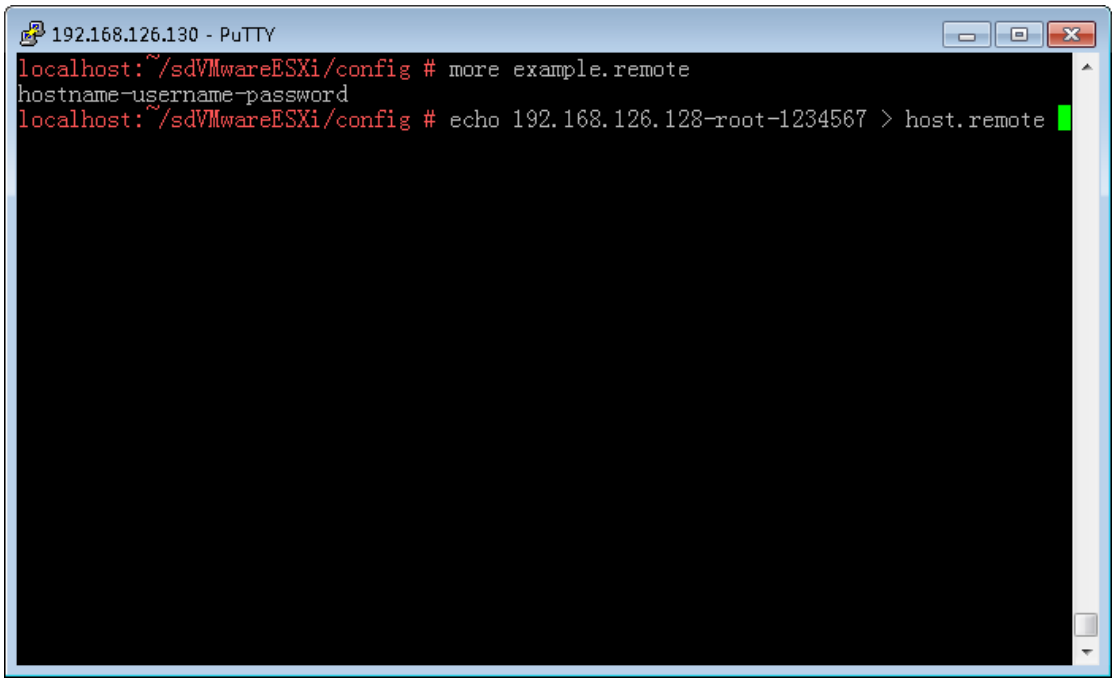
Key in "**echo hostname-username-password > host.remote**" to configure host.remote.

For example, The IP of vMWare server is 192.168.126.128, user name is root and password is 1234567.

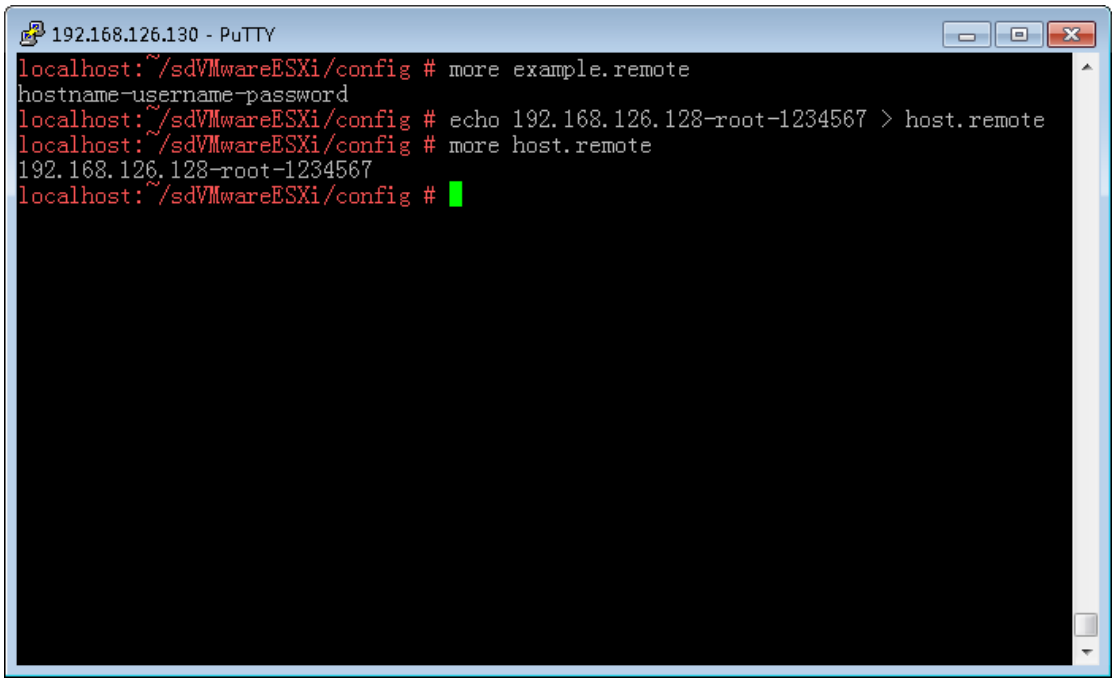


If it's requested to shut down this WMware ESXi, configure the host.remote as below.

Key in " echo 192.168.126.128-root-1234567 > host.remote"



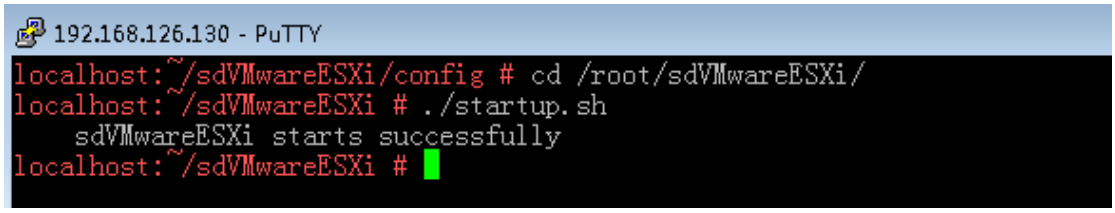
Key in "**more host.remote**" to view host.remote



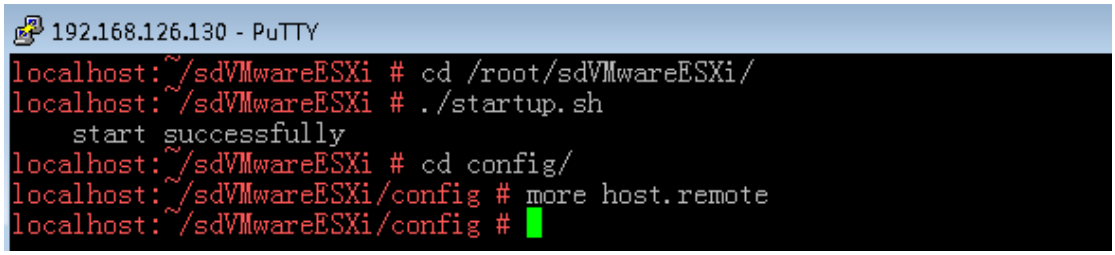
3.7 Start up/shut down/restart VMware ESXi Shutdown Wizard

Start up sdVMwareESXi

Key in "**cd /root/sdVMwareESXi**" and then key in "./startup.sh " to start up sdVMwareESXi.

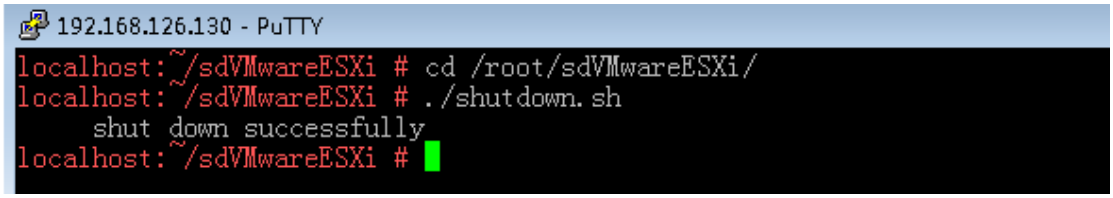


- When the sdVMwareESXi is running and it will get the configuration from host.remote. sdVMwareESXi will empty this host.remote because all configuration of host.remote has be encrypted and saved somewhere. It's no need to configure the host.remote again when restarting sdVMwareESXi next time.
- When the configuration is incorrect, just Key in "echo hostname-username-password > host.remote" to correct configuration in host.remote again. The sdVMware will get the updated configuration from host.remote in few minutes.



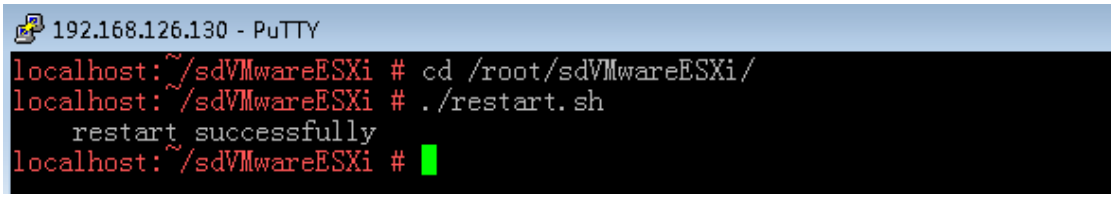
Shut down sdVMwareESXi

Key in "**cd /root/sdVMwareESXi**" and then key in "./shutdown.sh " to shut down sdVMwareESXi.



Restart sdVMwareESXi

Key in "**cd /root/sdVMwareESXi**" and then key in "./restart.sh " to restart sdVMwareESXi.

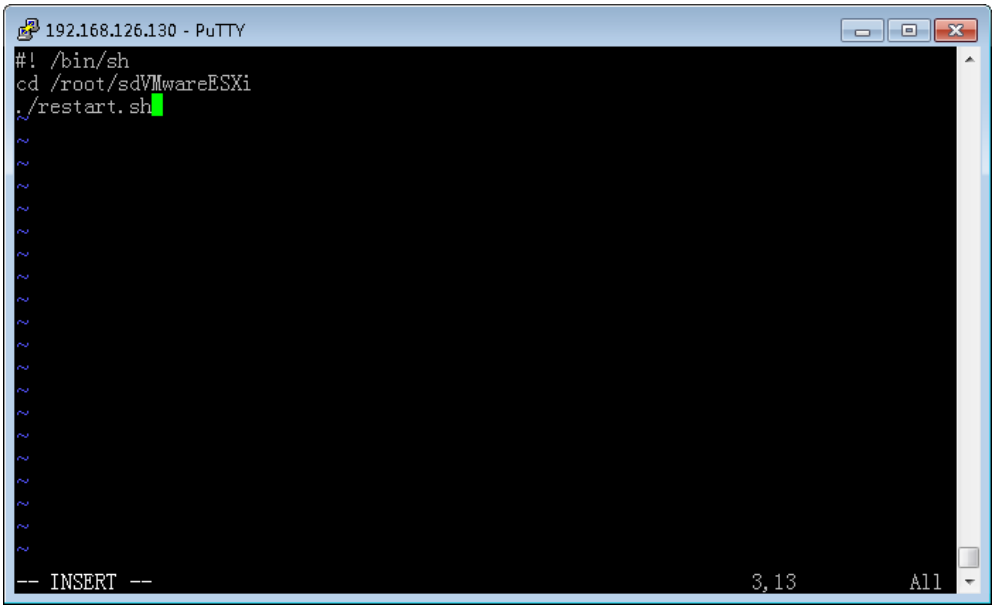


4 Configuration to auto start up VMwareESXi Shutdown Wizard with vMA

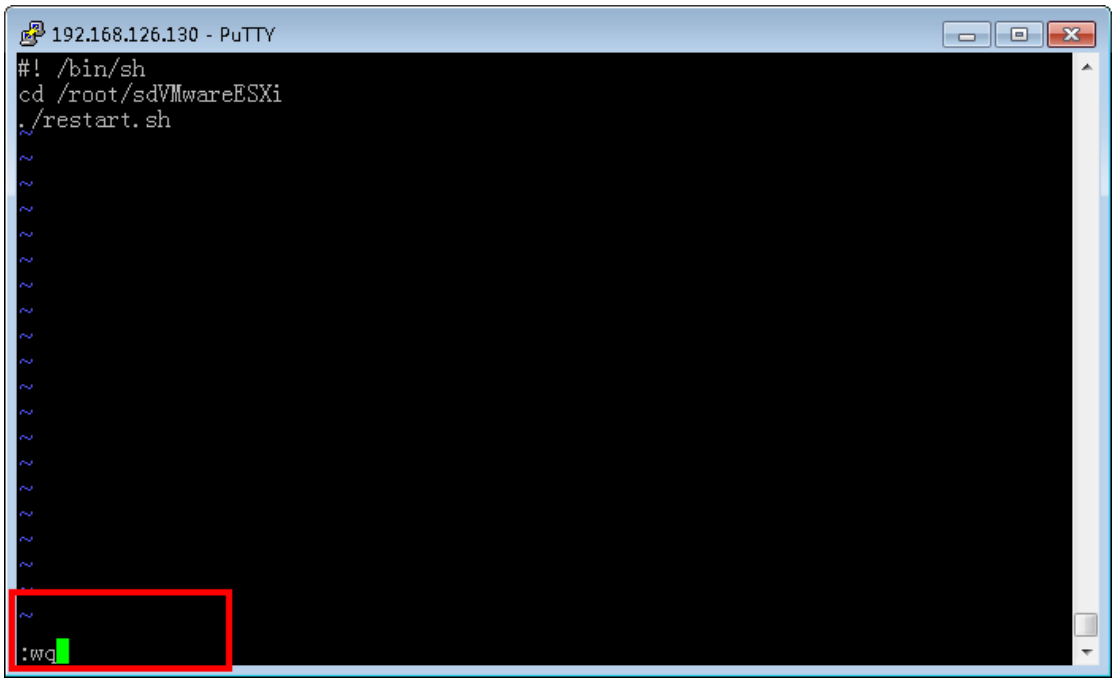
It's requested to have SUSE OS to run with vMA5.5. Configuration document of auto startup is default saved under "/etc/init.d/after.local".

key in "**cd /etc/init.d**" to enter directory of "/etc/init.d"
key in "**vi after.local**" to create after.local.

The content of after.local is listed below.



"**Esc → : → wq**" to save and quit after.local.



Key in “more after.local” to confirm after.local has saved or not.