



Old Material — This page is for an old semester. Check the [class archive page](#) for a more recent version.

hw07-windows-VM-login

hw07: connection instructions

VMsphere to a Windows-VM-server

For hw07, you and your teammates (up to 3 on a team) will harden a Windows machine which starts off with several security flaws. The initially-weak machine won't be a lab machine or your own laptop; we will provide you with a virtual machine to connect to.

You can only work on this homework

- a. from the campus network,
and
- b. from a Windows machine (one which runs VMSphere).

If you are off-campus, you will need to connect to the RU VPN first. I personally recommend working on this from a campus lab (a big screen helps) with your teammates. If you get stuck, please check the FAQs in the last page, and of course the course discussion board.

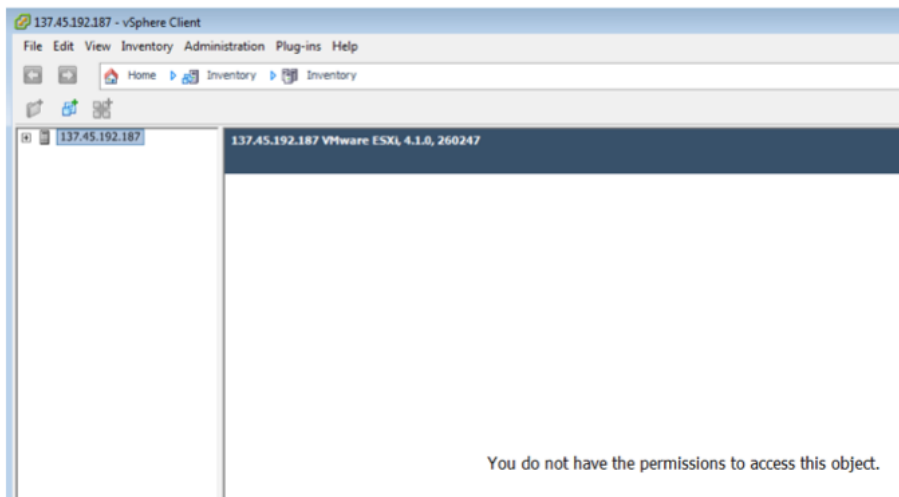
1. Get the VM simulator.
 - a. From your personal computer on campus:
 - i. Goto <http://137.45.192.187>
 - ii. Download vSphere Client
 - b. From any University Lab machine
 - i. Goto <http://labs.vmware.com/flings/thinapp-vsphere>
 - ii. Download Thinapped vSphere Client.
NEW Be sure to download version 4.1 (not v5.0), via the pull-down menu in the upper-left.
 - iii. You can even store this on a USB key.
2. Start up the vSphere client or the Thinapped vSphere Client from Step 1 above. Enter the following information:
 - **IPaddress/Name:** Enter the IP address 137.45.192.187
 - **User name:** teamZZ, where ZZ is the number of your team — check your team number from the table at the end of this instructions.
 - **Password:** Enter security1# (which is self-evidently a highly secure password).
3. Click Login.

When you click Login, you might see the following message:

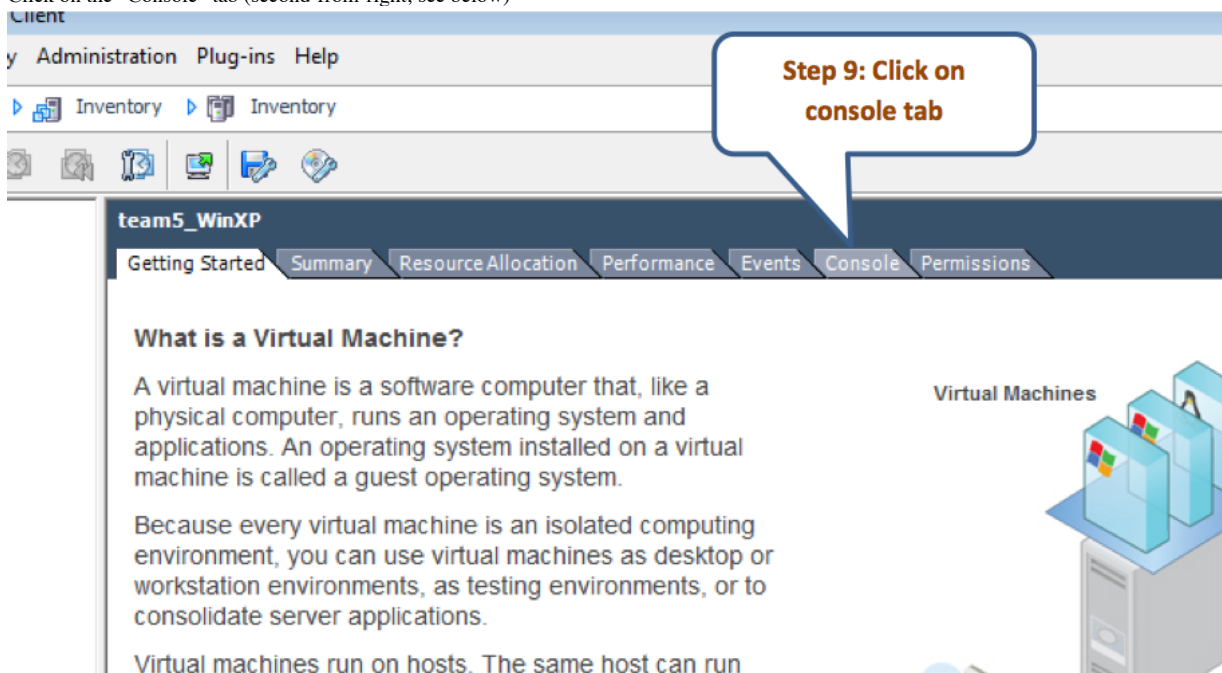


If you are using the Thinappd client, you will see a screen that contains an icon “Inventory”; Click that.

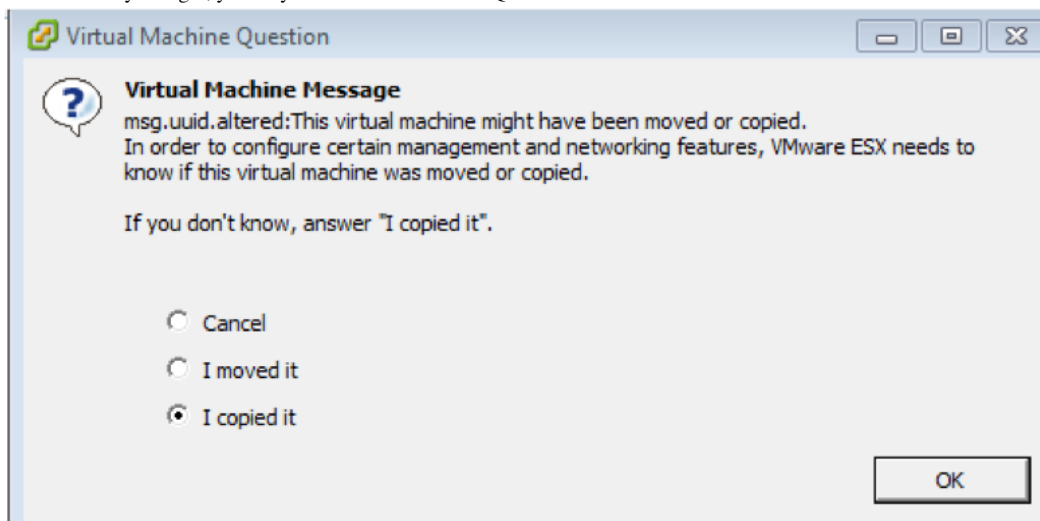
You should now be looking at a screen with the ever-so-friendly message:



4. In the left-side menu, click on the “+” button next to the IP address on the left side menu.
5. You will see a workstation designed for each member of your team; choose any one of them. *E.g.* if you and your teammates are assigned team05, team16, team27, then you could use team27-WinXP.
6. Select that workstation, and from the top menu click on the “green” play button to launch that particular virtual image.
7. Click on the “Console” tab (second-from-right; see below)



8. The first time you login, you may see a Virtual Machine Question as shown below.

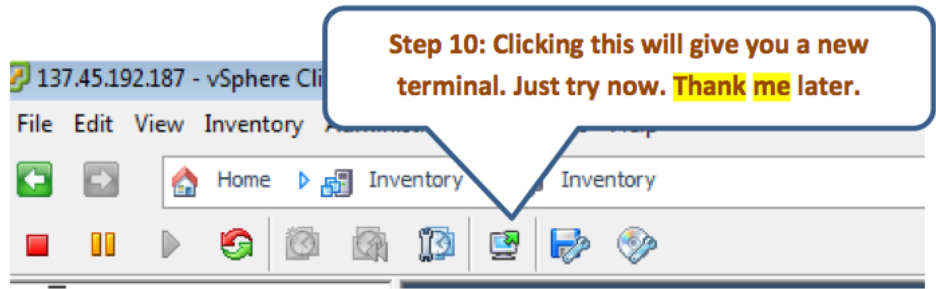


Select “I copied it” and press OK.

- Don't worry, I won't report you to the Honors council for this candid admission.
9. If you notice a Windows-System Error (“A duplicate name exists on the network”), ignore it (by pressing OK). Similarly, we'll ignore any message about the trial version of “GoodTech Telnet Server has expired”.

10. Your workstation will appear on the console in a few minutes.

The console tab is kinda small (already embedded in a pane which is embedded in a window). I suggest you pull the console into its own window, as follows:
Near the (above your team/machine-name, and below the green "play" button), you'll see an icon of a terminal with a tiny green arrow ("Launch Virtual Machine



Console").
11. For the project, login in to the Windows VM using the account "Security Student". (It has no password. Note that during the homework, you will disable accounts w/o passwords!⁴)

Team name	userID
team01	amatisans
team02	aschrantz
team03	awilson8
team04	bbyrne5
team05	bhollingswort
team06	bzepp
team07	cbnewland
team08	ccorriere
team09	cdrzal2
team10	cguske
team11	cmays2
team12	cshunting
team13	cstinson2
team14	dcapezzuto
team15	derice
team16	dparedes
team17	drobinson2
team18	dtalari
team19	dykim
team20	eashenden
team21	ebartocci
team22	ekasper
team23	ereinharz
team24	hprice11
team25	jarnold9
team26	jashley2
team27	jgray1
team28	jhairston
team29	jhollingswort
team30	jllcallands
team31	jmoles1
team32	jpine
team33	jprice5
team34	jrobbins2
team35	jrodrigue43
team36	jthomas7
team37	klincoln2
team38	kmclaurine
team39	mcollins8
team40	mkiyfes
team41	ntesterman
team42	nnorman2
team43	nnparsons
team44	sashley2
team45	smayhew3
team46	tbanderso
team47	wkinard
team48	wstjohn

FAQ

- Q: The ThinAppedclient is requiring Administrative privileges, which I don't have.
A: Read step 3.
- Q: I get error saying that it cannot connect to the host.
A: Are you off-campus? If so, please login at webvpn.radford.edu first. If not, send me the exact error message by email.
- Q: I don't see the green play button, or it is greyed out and doesn't allow me to start.
A: Most likely, you have already started it. Click on the console tab (proceed from step 7).

If you have other problems — especially if you figured out a solution — be sure to post/read on D2L discussion boards.

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You can still log on to 'Security Student' account, even if it's not listed on the login screen -- you just need to send a "ctrl-alt-del" to the VM. (DON'T just press ctrl-alt-del directly -- that will reboot *your* windows machine client, not the VM over on 137.45.192.187.)

Go to VM > Guest > Send Ctrl-Alt-del. (If you didn't do the 'launch console' bit, then look under the menu 'Inventory', and then follow the same sub-menus.) This will bring up a login window where you can enter the user-name, as well as the password.

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Last modified [2013.Nov.19 \(Tue\)](#)

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(incl. typos, broken links)
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