TEMASEK POLYTECHNIC SCHOOL OF INFORMATICS & IT VIRTUAL DESKTOP TECHNOLOGY

Practical 4

Dear students,

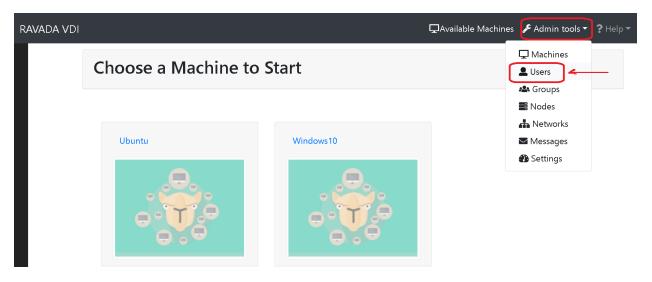
- Please ensure to complete these Labs as they will be part of your final project report and POC.
- Please remember to take all **important screen shots** of each Lab to build up your final project report and POC.
- Please also remember to use virtual box clone feature to backup your Ravada VM after each Lab to prevent any corruption.
- Please copy all Linux commands in these Labs to notepad first, ensure all syntax is correct before copying to Linux Command prompt.

User Management

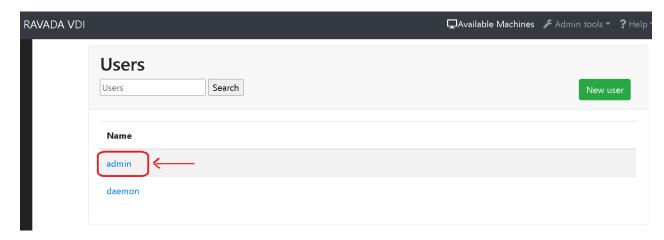
Step 1

Configure Ravada Administrator

Goto→ Admin tools → Users



Click admin to discover more functions.



Notice admin is configured as Ravada administrator

Click the **Grants** to discover more functions.



This show what is being granted to admin which is a Ravada administrator

User admin

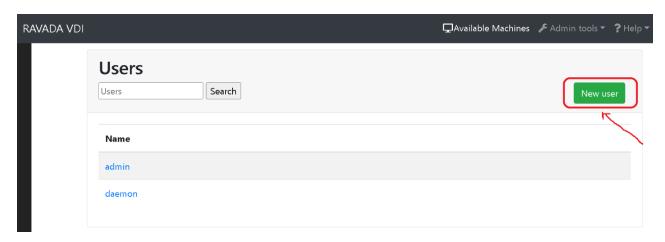
Admin	Grants	Password
✓ chang	e_settings:	can change the settings of owned virtual machines.
chang	e_settings_:	all: can change the settings of any virtual machine.
chang	e_settings_i	clones: can change the settings of any virtual machine cloned from one base owned by the user.
☑ clone:	can clone p	public virtual machines.
✓ clone_	all: can clo	ne any virtual machine.
🗹 create	_base: can (create bases.
☑ create	_machine: (an create virtual machines.
exposi	_ports: Car	n expose virtual machine ports.
exposi	e_ports_all:	Can expose ports from any virtual machine.
exposi	_ports_clo	nes: Can expose ports from clones of own virtual machines.
🗹 grant:	can grant p	ermissions to other users
🗹 manag	ge_groups:	Can manage groups.
🗹 manag	ge_users: ca	n manage users.
✓ reboot	: Can reboo	ot own virtual machines.
🗹 reboot	_all: Can re	boot all virtual machines.
🗹 reboot	_clones: Ca	n reboot clones own virtual machines.
🗹 remov	e: can remo	ove any virtual machine owned by the user.
🗹 remov	e_all: can re	emove any virtual machine.
✓ remov	e_clone_all	can remove any clone.
✓ remov	e_clones: c	an remove clones from virtual machines owned by the user.
🗹 renam	e: Can rena	me any virtual machine owned by the user.
🗹 renam	e_all: Can r	ename any virtual machine.
🗹 renam	e_clones: C	an rename clones from virtual machines owned by the user.
screen	shot: Can <u>c</u>	et a screenshot of own virtual machines.
✓ shutdo	own: Can sh	nutdown own virtual machines.
🛂 shutdo	wn_all: car	shutdown any virtual machine.
✓ shutdopped shut	wn_clones	can shutdown clones from virtual machines owned by the user.
☑ start_n	nany: Can k	nave an unlimited amount of machines started.
☑ view_o	roups: Can	view groups.

Step 2

Configure Ravada Users

Go back to Admin tools → Users.

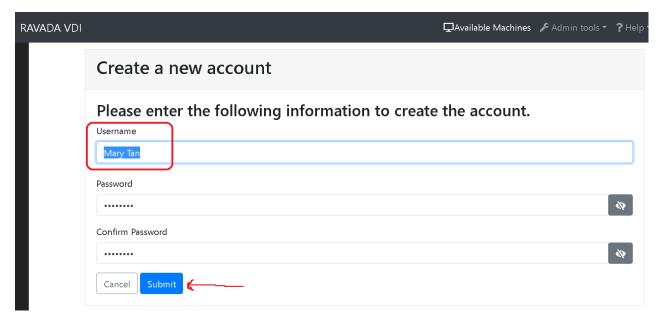
Click on New user Button



Create 2 New Ravada users as follows:

Username: Mary Tan, password: cisco123 (for Windows 10 VDI)

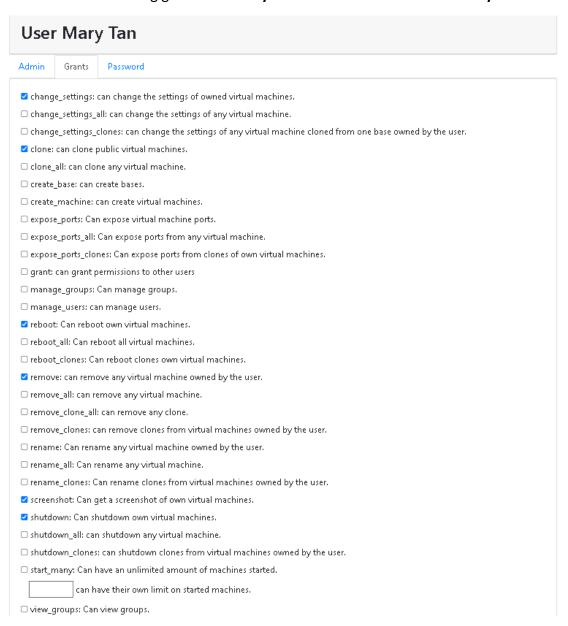
Username: Peter Lim, password: cisco123 (for Ubuntu VDI)



Notice Mary Tan and Peter Lim are not configured as Ravada administrator



This show what is being granted to Mary Tan and Peter Lim which are only Ravada users

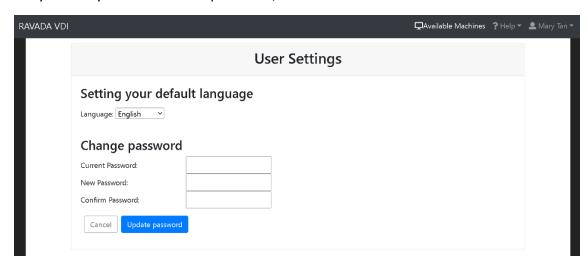


Step 3

Logout admin and Login as Mary Tan and Peter Lim into Ravada Web portal

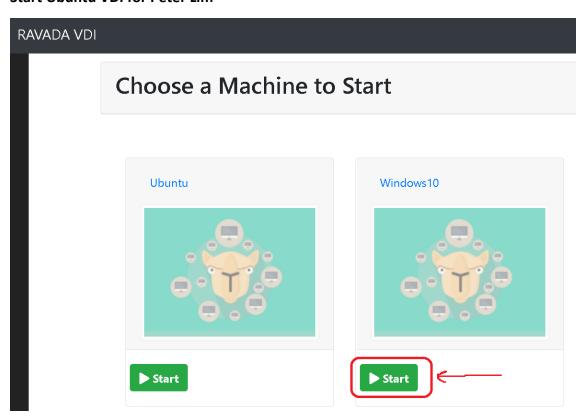
Notice Admin Tools functions are missing for Mary Tan and Peter Lim

They can only reset their own password, start VDI instances and some other limited actions



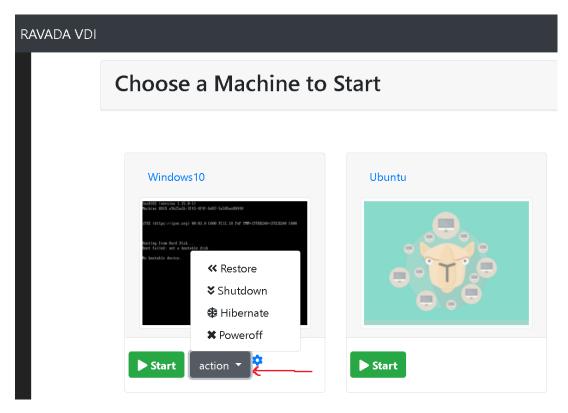
Start the Windows 10 VDI for Mary Tan

Start Ubuntu VDI for Peter Lim

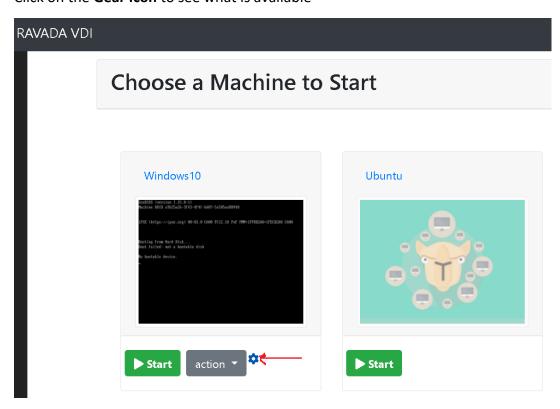


Virtual Desktop Technology

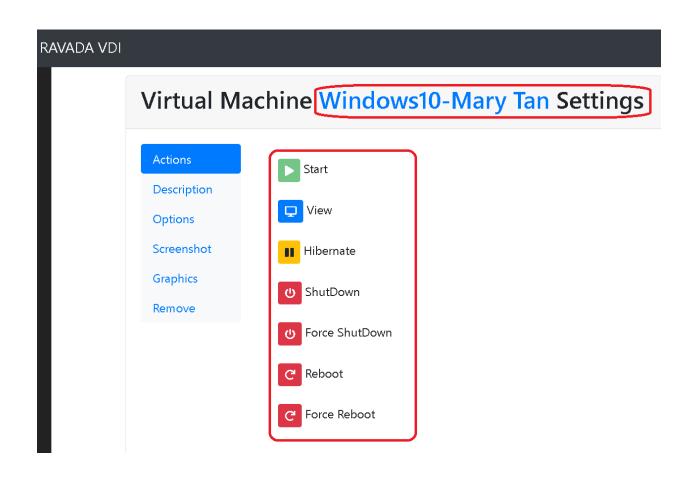
Click on the action button to see what is offered for action to be taken

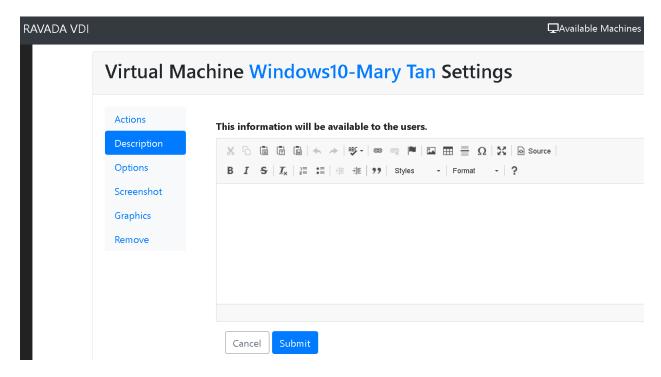


Click on the **Gear Icon** to see what is available

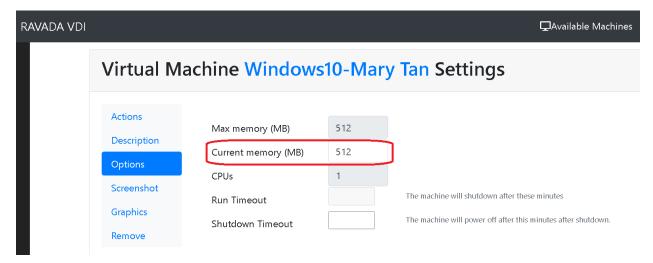


Virtual Desktop Technology

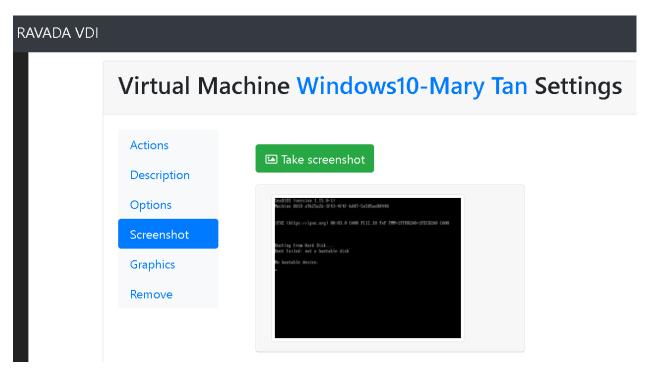




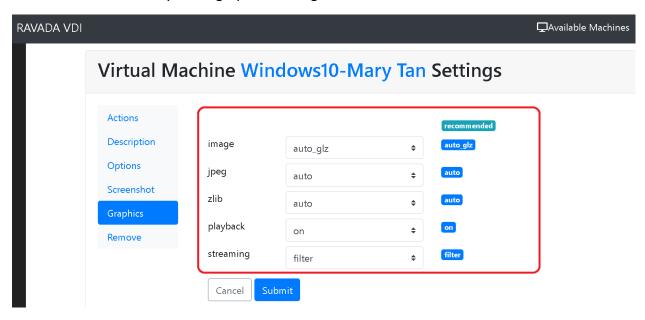
Ravada users can edit the current memory size of their own VDI instances



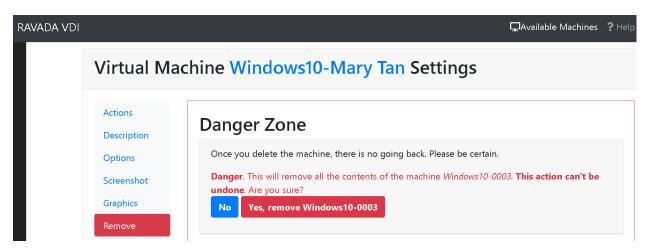
Ravada users can take screenshots of their own VDI instances



Ravada users can modify some graphics settings as shown below



Ravada users can delete their own VDI instances. Example when OS is corrupted, after that they can launch new clean instances



Logout as Mary Tan and Peter Lim

Login as admin again

Notice Ravada users linked clones are being created automatically when users start the VDI

The VDI base images remains Down in the perfect clean state

