TEMASEK POLYTECHNIC

SCHOOL OF INFORMATICS & IT

VIRTUAL DESKTOP TECHNOLOGY

Practical 4

Dear students,

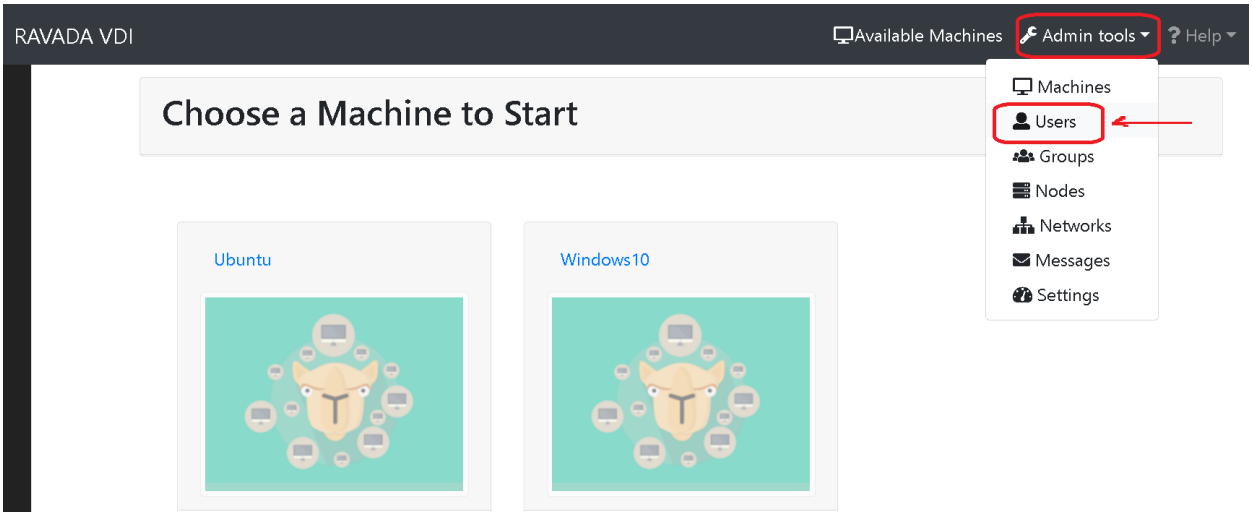
- Please ensure to complete these Labs as they will be part of your final project report and POC.
- Please remember to take all **important screen shots** of each Lab to build up your final project report and POC.
- Please also remember to use virtual box **clone feature** to backup your Ravada VM after 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

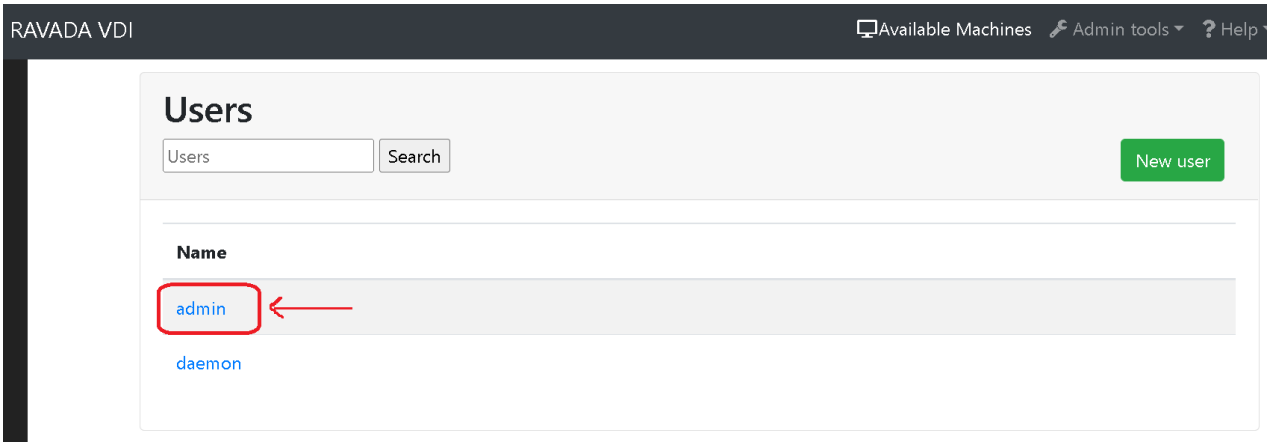
Step 1

Configure Ravada Administrator

Goto→ Admin tools →Users

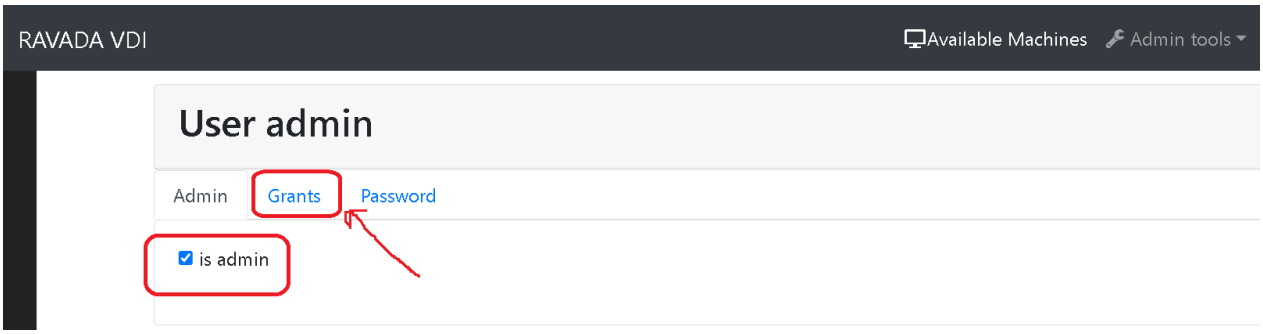


Click **admin** to discover more functions.

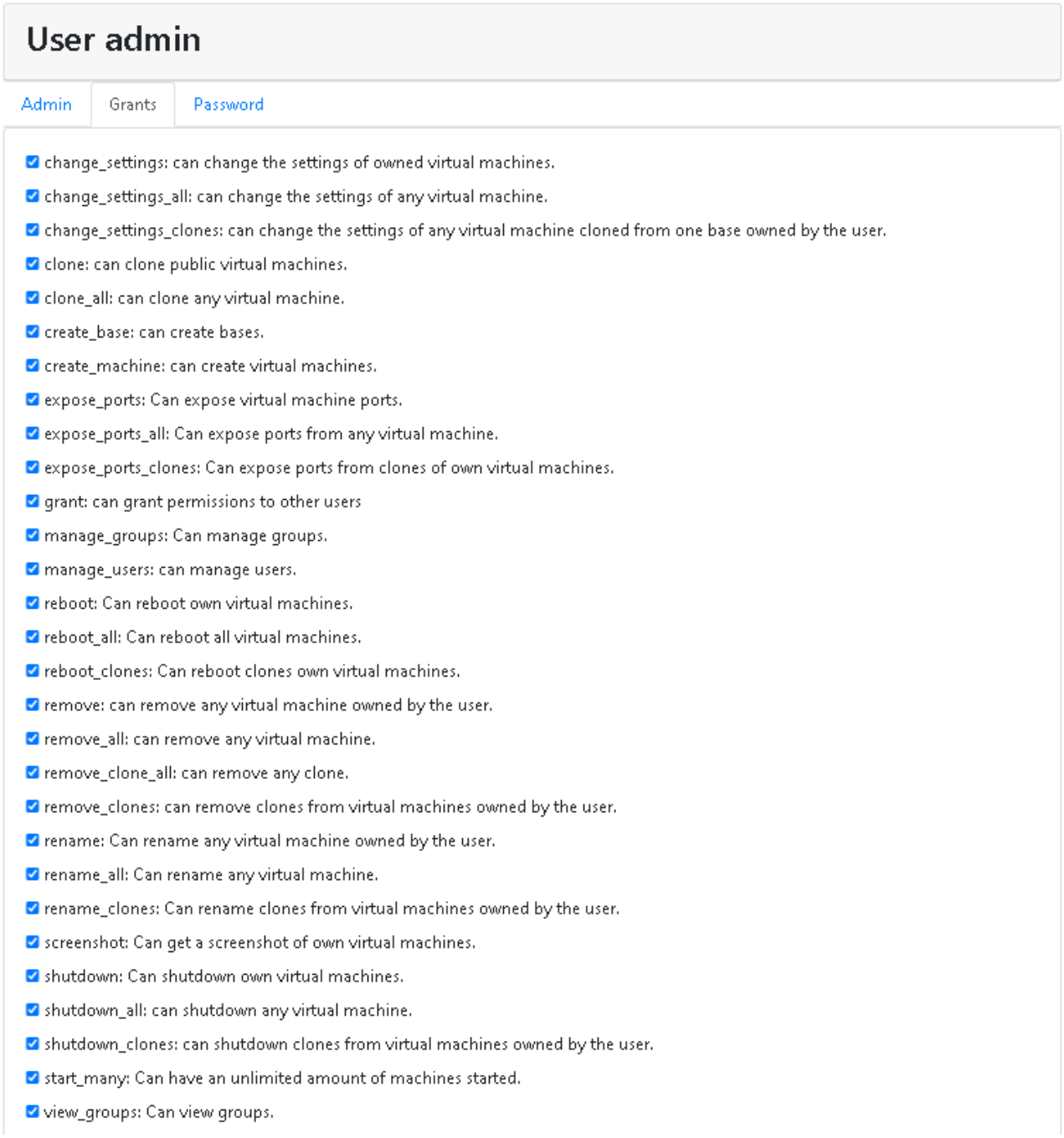


Notice admin is configured as Ravada administrator

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



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

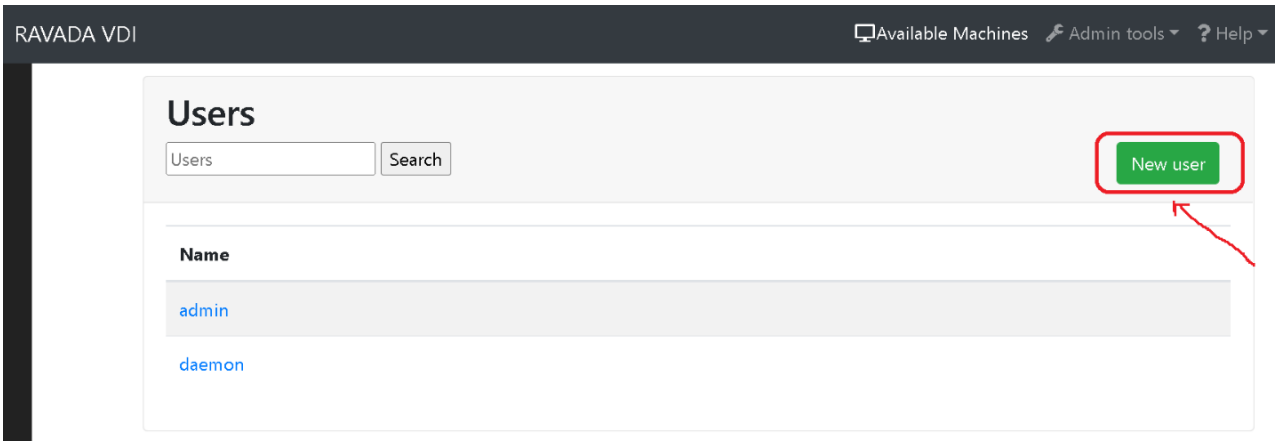


Step 2

Configure Ravada Users

Go back to Admin tools → Users.

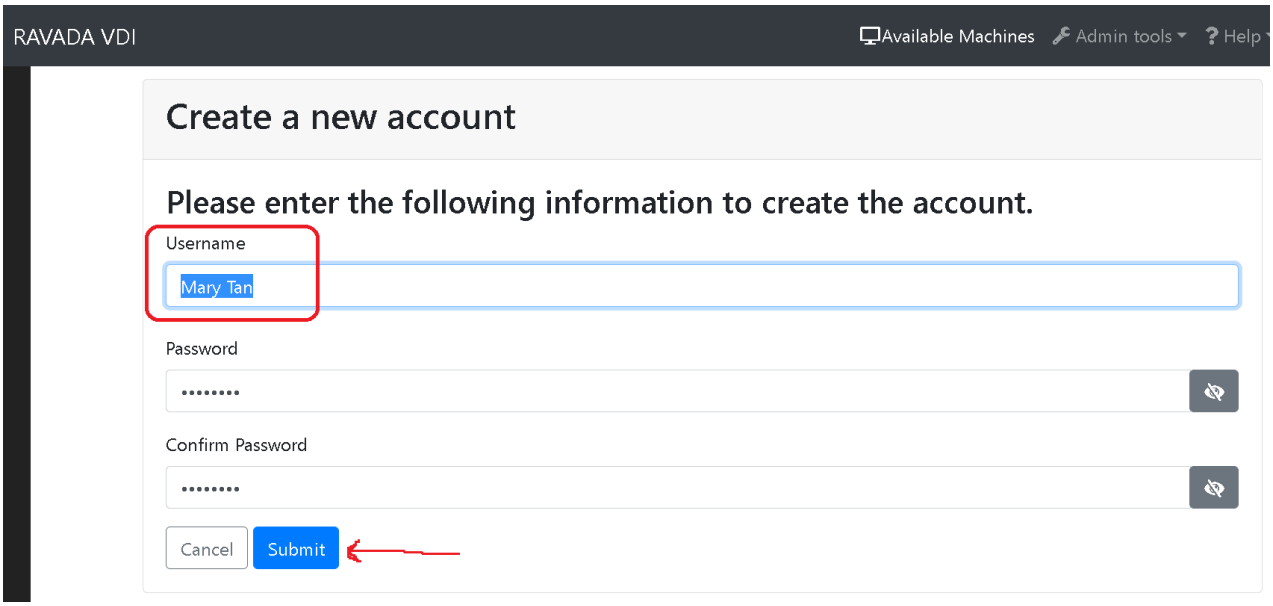
Click on **New user** Button



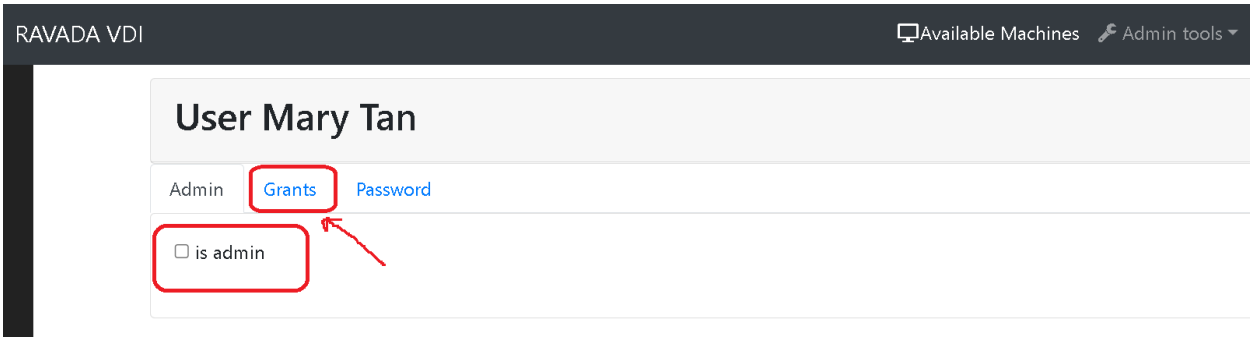
Create 2 New Ravada users as follows:

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

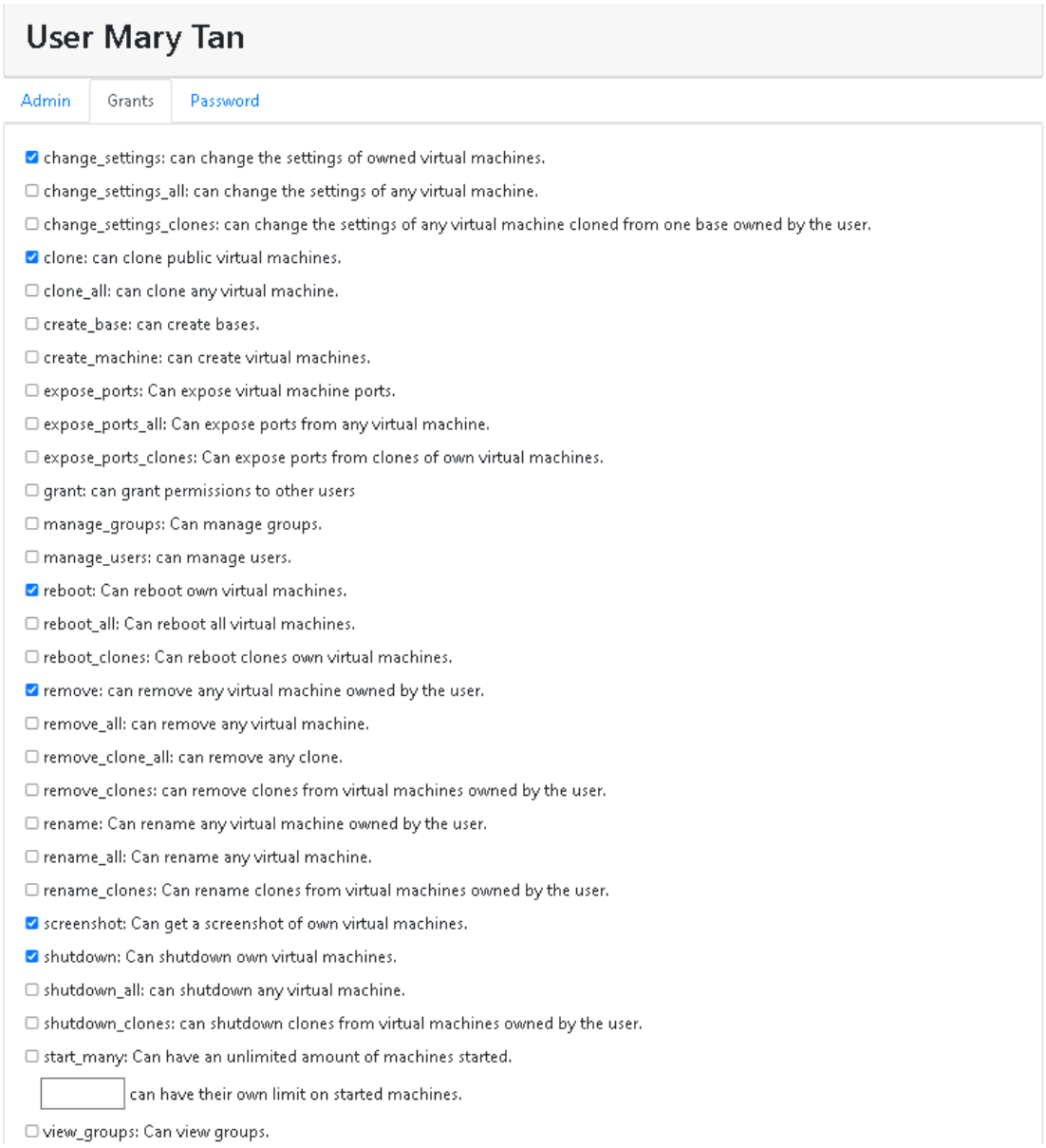
Username: Peter Lim, password: cisco123 (for Ubuntu VDI)



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**

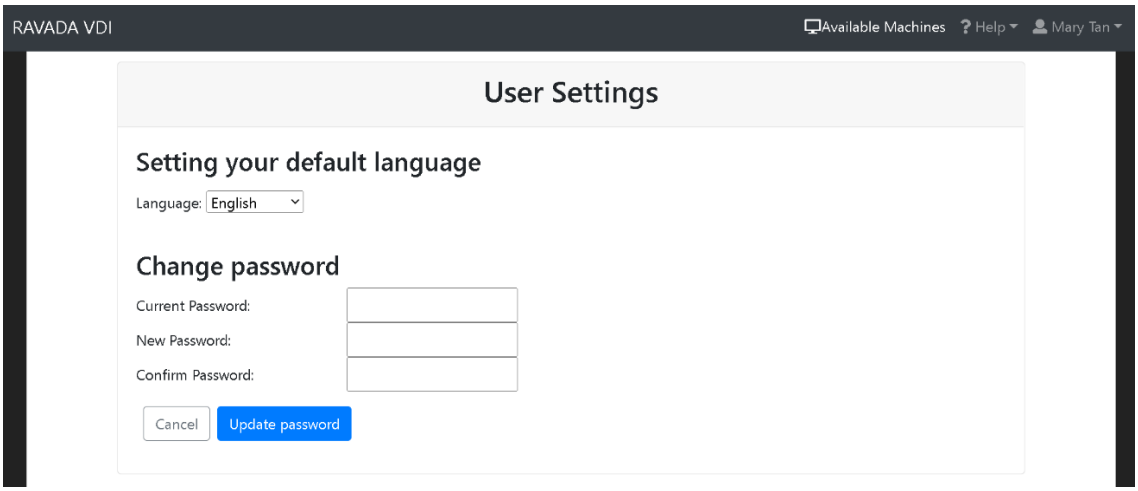


Step 3

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

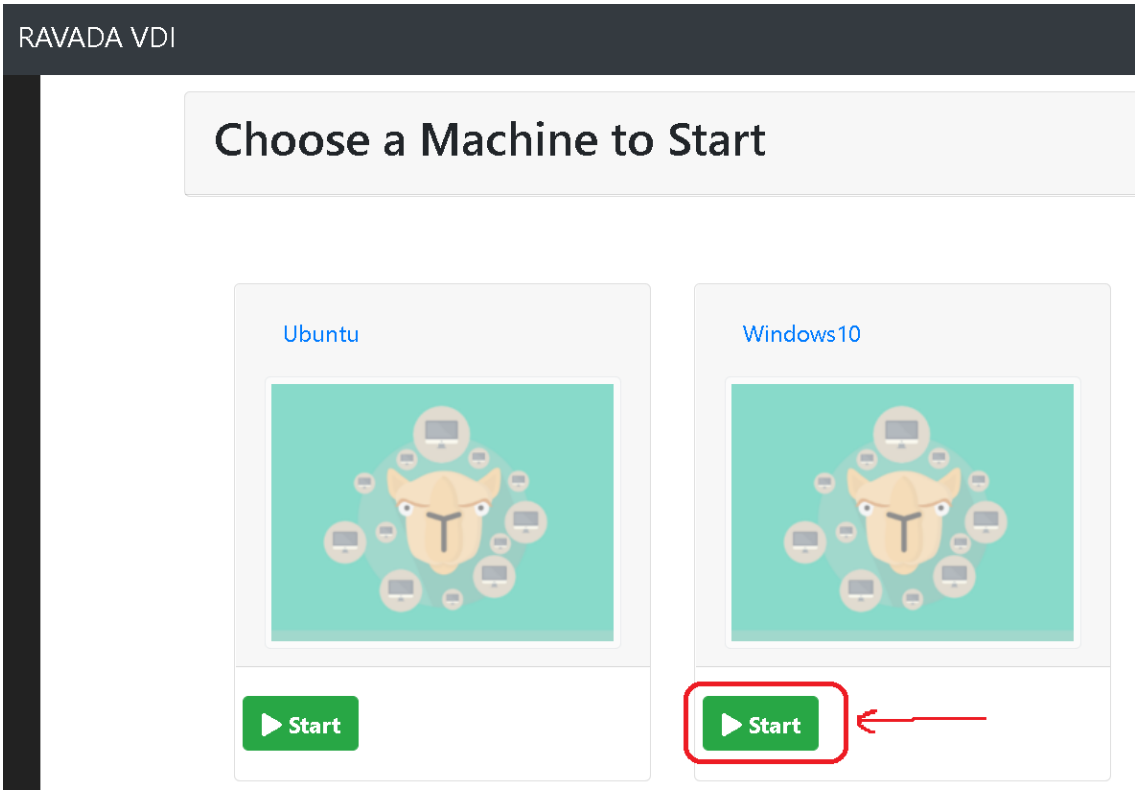
Notice Admin Tools functions are missing for Mary Tan and Peter Lim

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

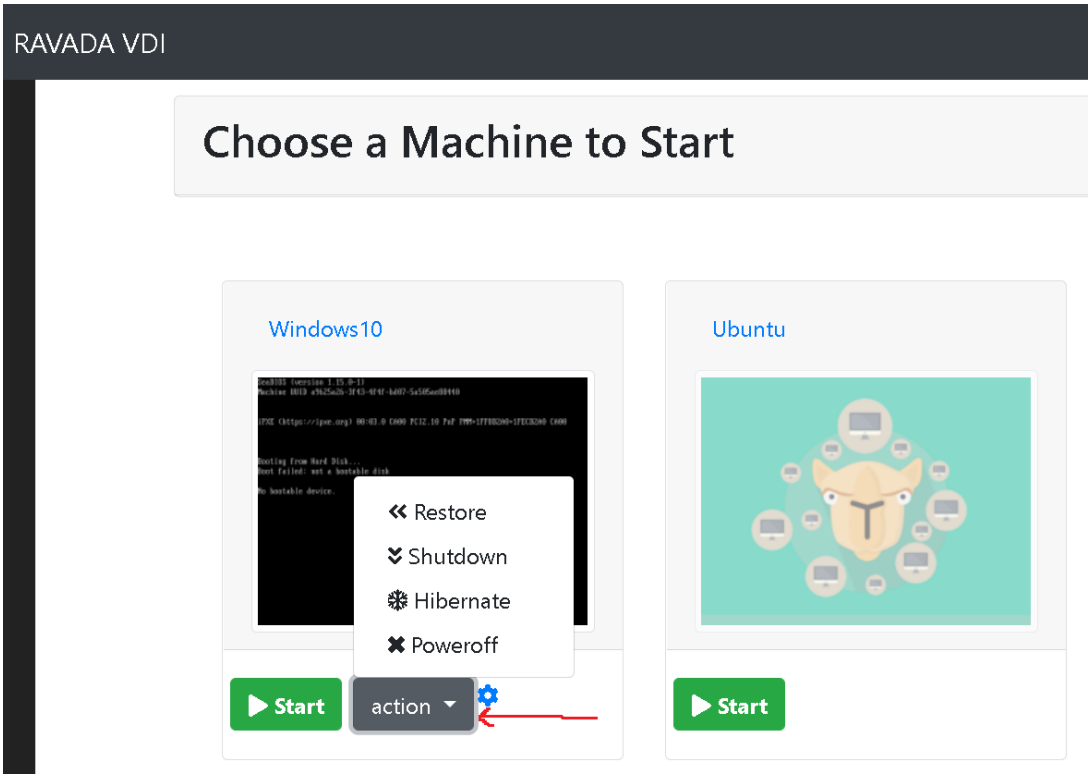


Start the Windows 10 VDI for Mary Tan

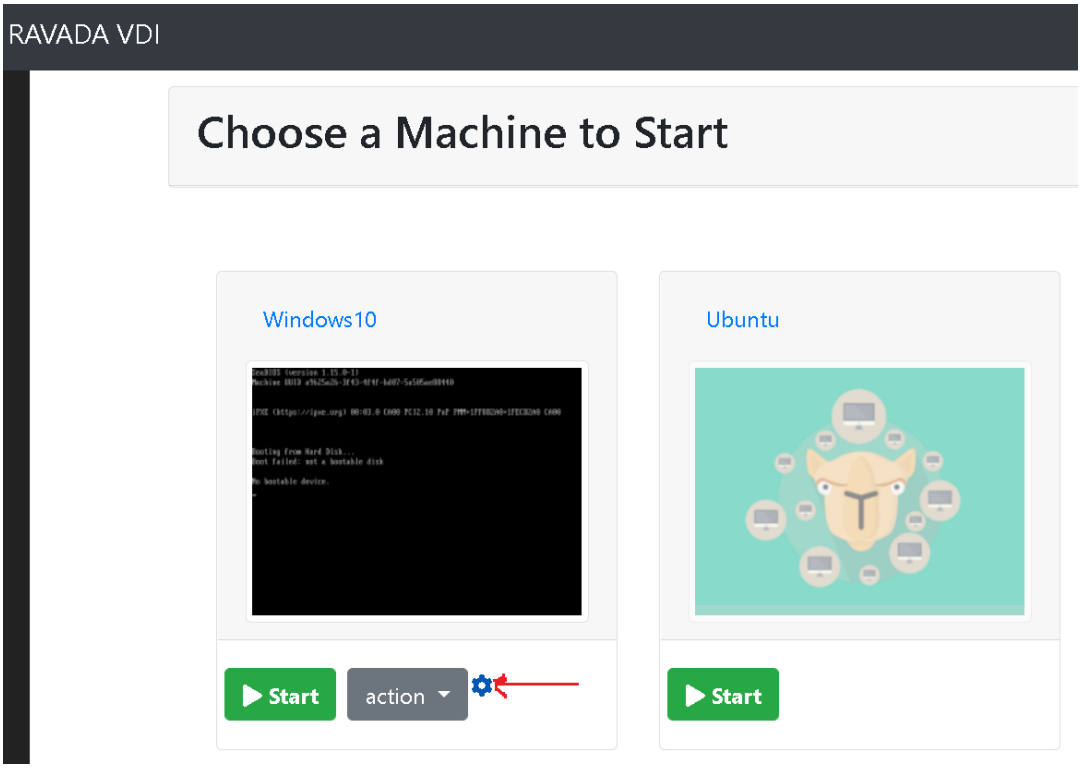
Start Ubuntu VDI for Peter Lim

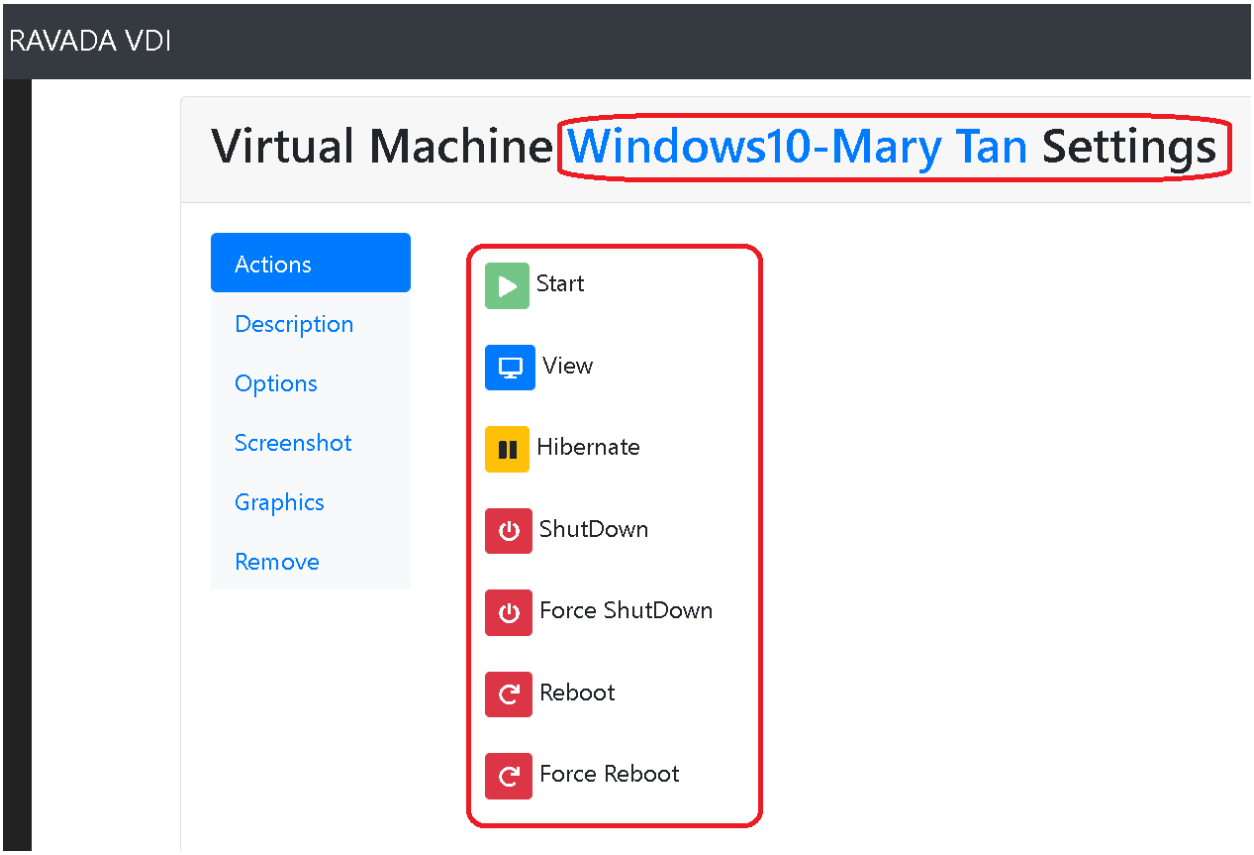


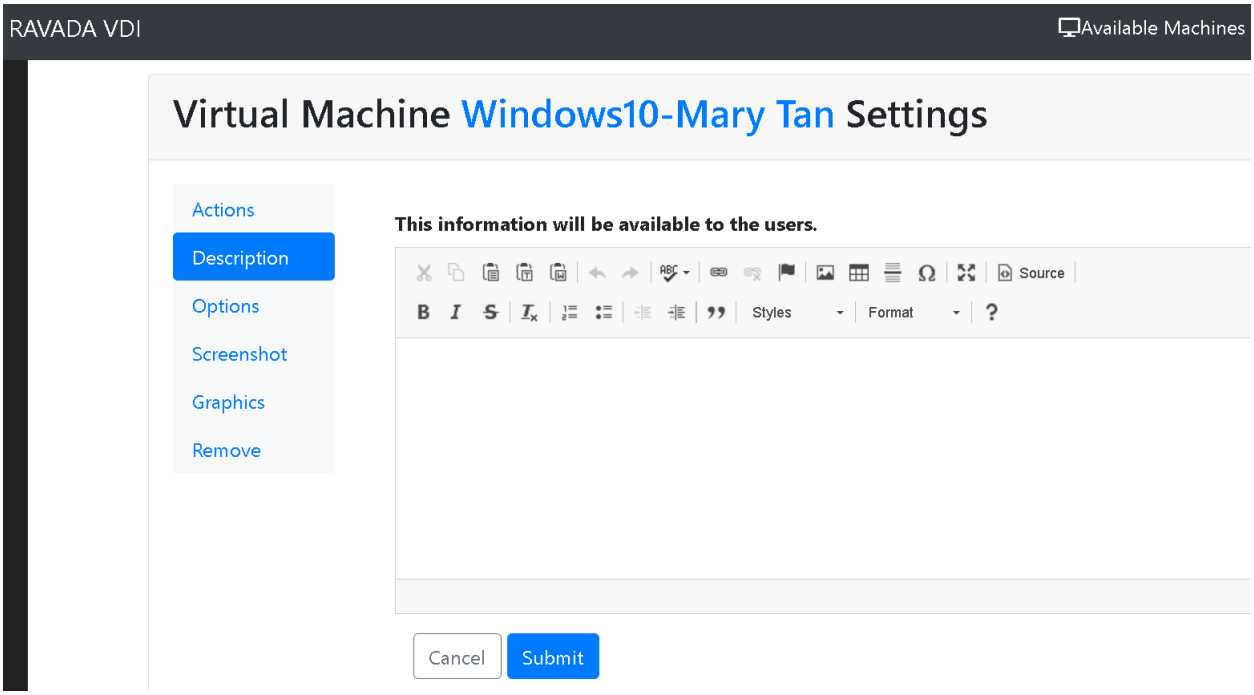
Click on the **action button** to see what is offered for action to be taken



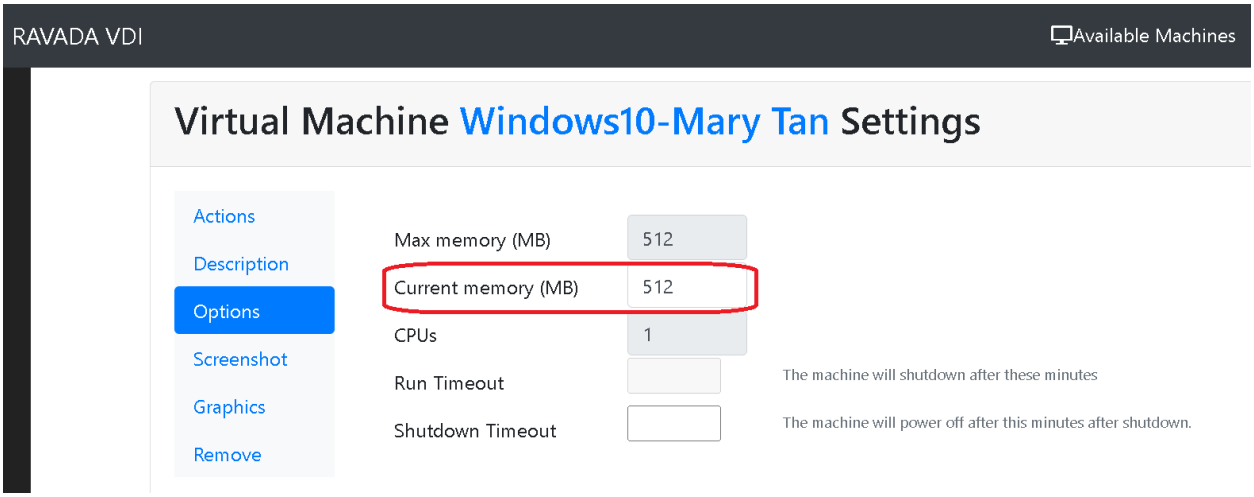
Click on the **Gear Icon** to see what is available



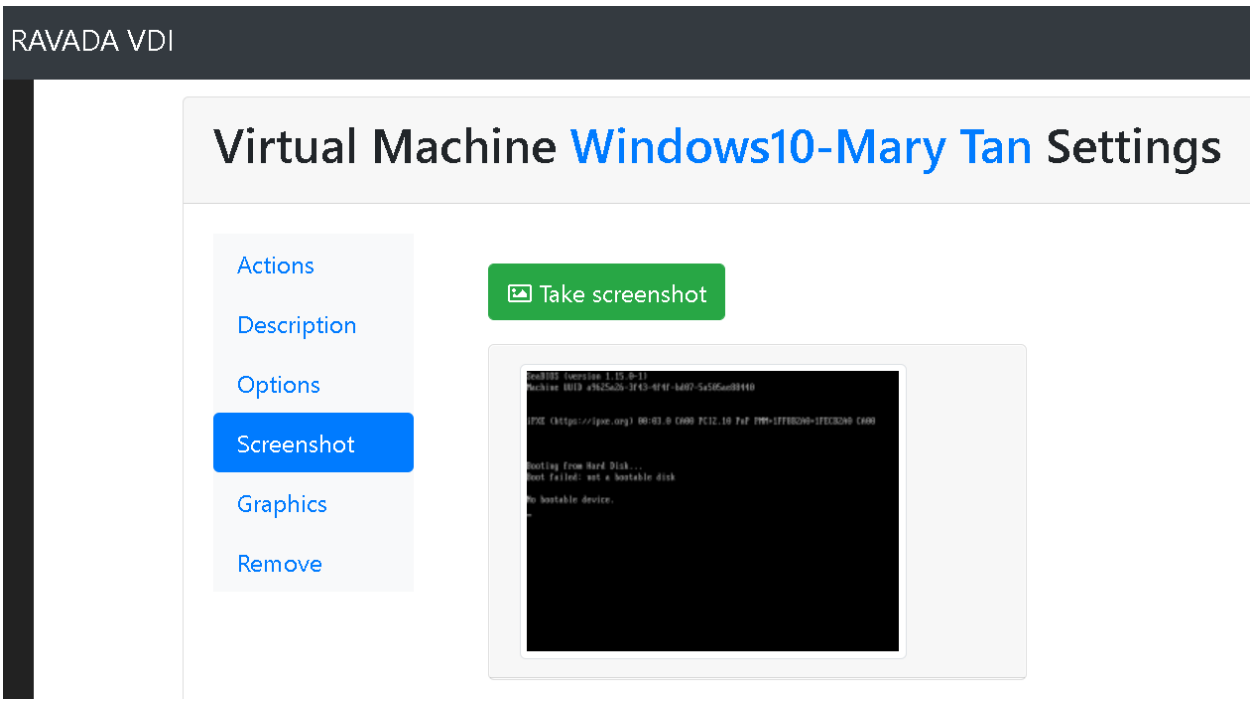

RAVADA VDI
Virtual Machine Windows10-Mary Tan Settings
Actions
Description
Options
Screenshot
Graphics
Remove
Start
View
Hibernate
ShutDown
Force ShutDown
Reboot
Force Reboot


RAVADA VDI
Available Machines
Virtual Machine Windows10-Mary Tan Settings
Actions
Description
Options
Screenshot
Graphics
Remove
This information will be available to the users.
Source
Styles
Format
Cancel
Submit

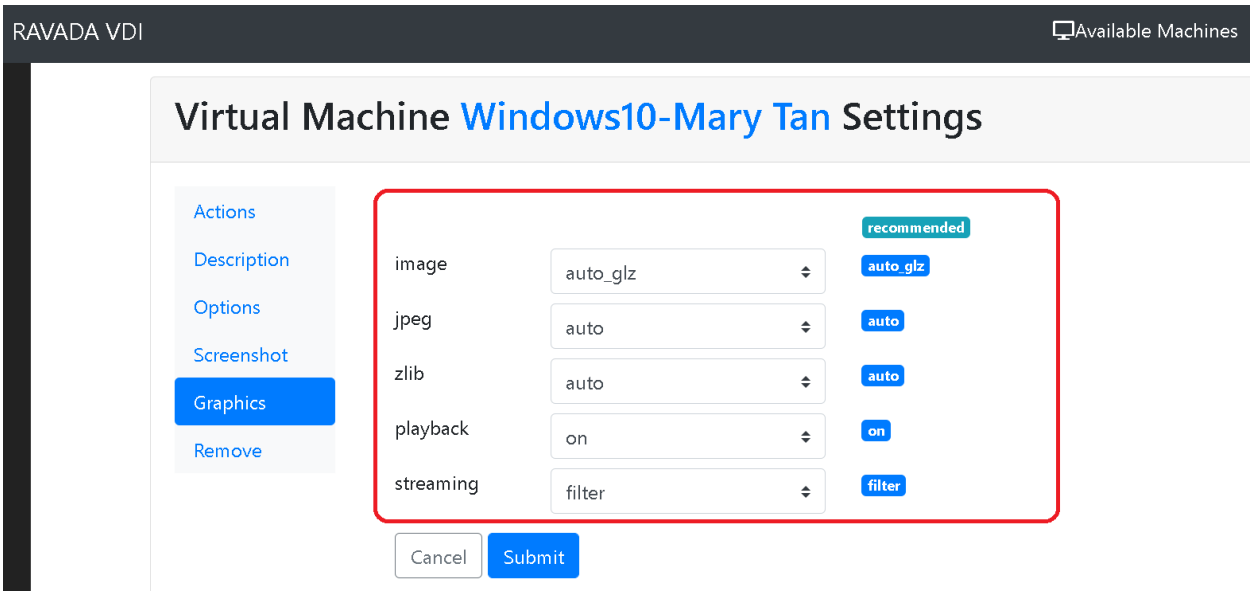
Ravada users can edit the current memory size of their own VDI instances



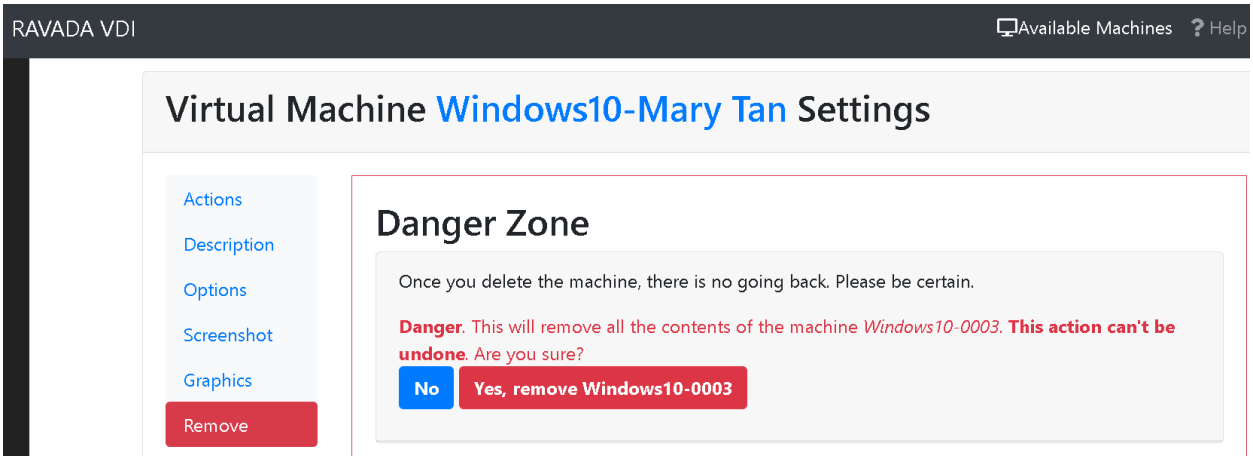
Ravada users can take screenshots of their own VDI instances



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