



```
jfrancom@desdemona:~$ echo "In this series of screenshots I will show how I can create a virtual machine. Later on in the course I will show you how to speed up the creation of a VM"
In this series of screenshots I will show how I can create a virtual machine. Later on in the course I will show you how to speed up the creation of a VM
jfrancom@desdemona:~$ █
```

```
jfrancom@desdemona:~$ citv
```

Known commands:

```
bootvm machine_name boot_drive(c|d|n) [iso_name|localtime]
```

```
clonevm template_name machine_name RAM(in MBytes) VLAN(number) CPU(count)
```

```
courses
```

```
createvm machine_name RAM(in MBytes) Disk(in GBytes) VLAN(number) CPU(count)
```

```
getip course_name(e.g. IT1100)
```

```
init
```

```
isos
```

```
powerdownvm machine_name
```

```
removevm machine_name
```

```
rename machine_name new_machine_name
```

```
setVLAN machine_name VLAN(number)
```

```
showvm
```

```
templates
```

```
updateCPU machine_name CPU(count)
```

```
updateRAM machine_name RAM(in MBytes)
```

```
jfrancom@desdemona:~$ echo "The citv suite is a collection of tools that we wrote, so you won't find any google help for it, but just read above and it will show you what you can do"
```

```
The citv suite is a collection of tools that we wrote, so you won't find any google help for it, but just read above and it will show you what you can do
```

```
jfrancom@desdemona:~$
```

```
jfrancom@desdemona:~$ citv createvm
```

```
A machine name, RAM(MB) size, disk size(GB), VLAN(number) must be specified.
```

```
A CPU count may be specified.
```

```
jfrancom@desdemona:~$
```

```
jfrancom@desdemona:~$ citv courses
```

```
Faculty
```

```
Faculty
```

```
IT1100
```

```
IT1100
```

```
IT2400
```

```
IT2400
```

```
IT3100
```

```
IT3100
```

```
IT4100
```

```
IT4100
```

```
IT4200
```

```
IT4200
```

```
IT4500
```

```
IT4500
```

```
jfrancom@desdemona:~$ echo "Shows what courses I am enrolled in"
```

```
Shows what courses I am enrolled in
```

```
jfrancom@desdemona:~$ █
```

```
jfrancom@desdemona:~$ citv createvm f23-template 1024 12 3184
/qemu/bin/qemu-new-image jfrancom-f23-template 12 /qemu/images;
Formatting '/qemu/images/jfrancom-jfrancom-f23-template.img', fmt=raw size=12884901888
User jfrancom has created the machine f23-template : 15 with 1024 memory
jfrancom@desdemona:~$ citv showvm | grep f23-template
      f23-template      1024    1 None:5915    3184 52:54:00:08:00:0E      0/0 IT4500
jfrancom@desdemona:~$ echo "yay it was created"
yay it was created
jfrancom@desdemona:~$ █
```

```
jfrancom@desdemona:~$ echo "Now boot it"
```

```
Now boot it
```

```
jfrancom@desdemona:~$ citv bootvm
```

```
usage: citv bootvm machine_name boot_drive [iso_name|localtime|dualnic]
```

```
machine_name: one of the machine names (try citv showvm)
```

```
boot_drive: one of c, d or n
```

```
iso_name: one of win_10|jammy_server|win_server_mis|jammy_desktop|windows7|sql_server2014
```

```
localtime: use local time for hardware clock (WINDOWS!)
```

```
dualnic: use 2 network cards
```

```
jfrancom@desdemona:~$ echo "Read above how to use it"
```

```
Read above how to use it
```

```
jfrancom@desdemona:~$ citv bootvm f23-template d jammy_server
```

```
/usr/bin/ssh -q ophelia "/qemu/bin/qemu-boot 15 'jfrancom-f23-template' 1024 '52:54:00:08:00:0E' '' '' 'jammy_server' 'd' 1 1 3184 '/qemu/images' 1;"
```

```
User(jfrancom) has booted machine(f23-template) on server(ophelia:15) with 1024 memory.
```

```
jfrancom@desdemona:~$ echo "Yay, it booted. You only boot from the d drive when doing the install. After that boot from c drive"
```

```
Yay, it booted. You only boot from the d drive when doing the install. After that boot from c drive
```

```
jfrancom@desdemona:~$ █
```

```
jfrancom@desdemona:~$ citv showvm | grep f23-template
      f23-template      1024      1 ophelia:5915      3184 52:54:00:08:00:0E d jammy_server      1/1 IT4500
jfrancom@desdemona:~$ echo "Mine is running on ophelia:5915. Now to connect to it"
Mine is running on ophelia:5915. Now to connect to it
jfrancom@desdemona:~$
```

```
joe@corellia:~$ echo "Make sure you are NOT on the ssh server. You must be on your local machine. Doesn't matter what os. Open a terminal or command-line in windows. If you can type the ssh command, you can do the following"
```

```
Make sure you are NOT on the ssh server. You must be on your local machine. Doesn't matter what os. Open a terminal or command-line in windows. If you can type the ssh command, you can do the following
```

```
joe@corellia:~$ ssh jfrancom@ssh.cs.utahtech.edu -L 5915:ophelia:5915
```

```
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0-201-generic x86_64)
```

- \* Documentation: <https://help.ubuntu.com>
- \* Management: <https://landscape.canonical.com>
- \* Support: <https://ubuntu.com/advantage>

```
New release '20.04.6 LTS' available.
```

```
Run 'do-release-upgrade' to upgrade to it.
```

```
Last login: Wed May 24 17:01:00 2023 from 64.37.1.144
```

```
jfrancom@ssh:~$
```



```
joe@corellia:~$ echo "Now connect with your favorite vnc client. See the video or ask questions if you don't know what I'm talking about"
Now connect with your favorite vnc client. See the video or ask questions if you don't know what I'm talking about
joe@corellia:~$ echo "Mine is vinegar"
Mine is vinegar
joe@corellia:~$
```

```
joe@corellia:~$ echo "Mine is vinagre"
```

```
Mine is vinagre
```

```
joe@corellia:~$ vinagre localhost:5915
```

Remote View Bookmarks Help

 Connect       Send Ctrl-Alt-Del

Willkommen! Bienvenue! Welcome! Добро пожаловать! Welkom!

[ Help ]

Use UP, DOWN and ENTER keys to select your language.

- [ Asturianu ▶] ]
- [ Bahasa Indonesia ▶] ]
- [ Català ▶] ]
- [ Deutsch ▶] ]
- [ English ▶] ]**
- [ English (UK) ▶] ]
- [ Español ▶] ]
- [ Français ▶] ]
- [ Galego ▶] ]
- [ Hrvatski ▶] ]
- [ Latviski ▶] ]
- [ Lietuviškai ▶] ]
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