

# Big Data

## Practical classes setup

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# Virtual machine setup

## How practical classes will work

- We provide a virtual machine (vmware) with all the software needed for the practical classes.
- Python and Spark exercises will be done in this virtual machine.
- Practical assessment will have two phases:
  - problem solving (code) with small dataset in virtual machine
  - run development code on full dataset in aws cloud
- AWS cloud will be based on free educate program (free credits will be given)

# Virtual machine setup

## Install vmware

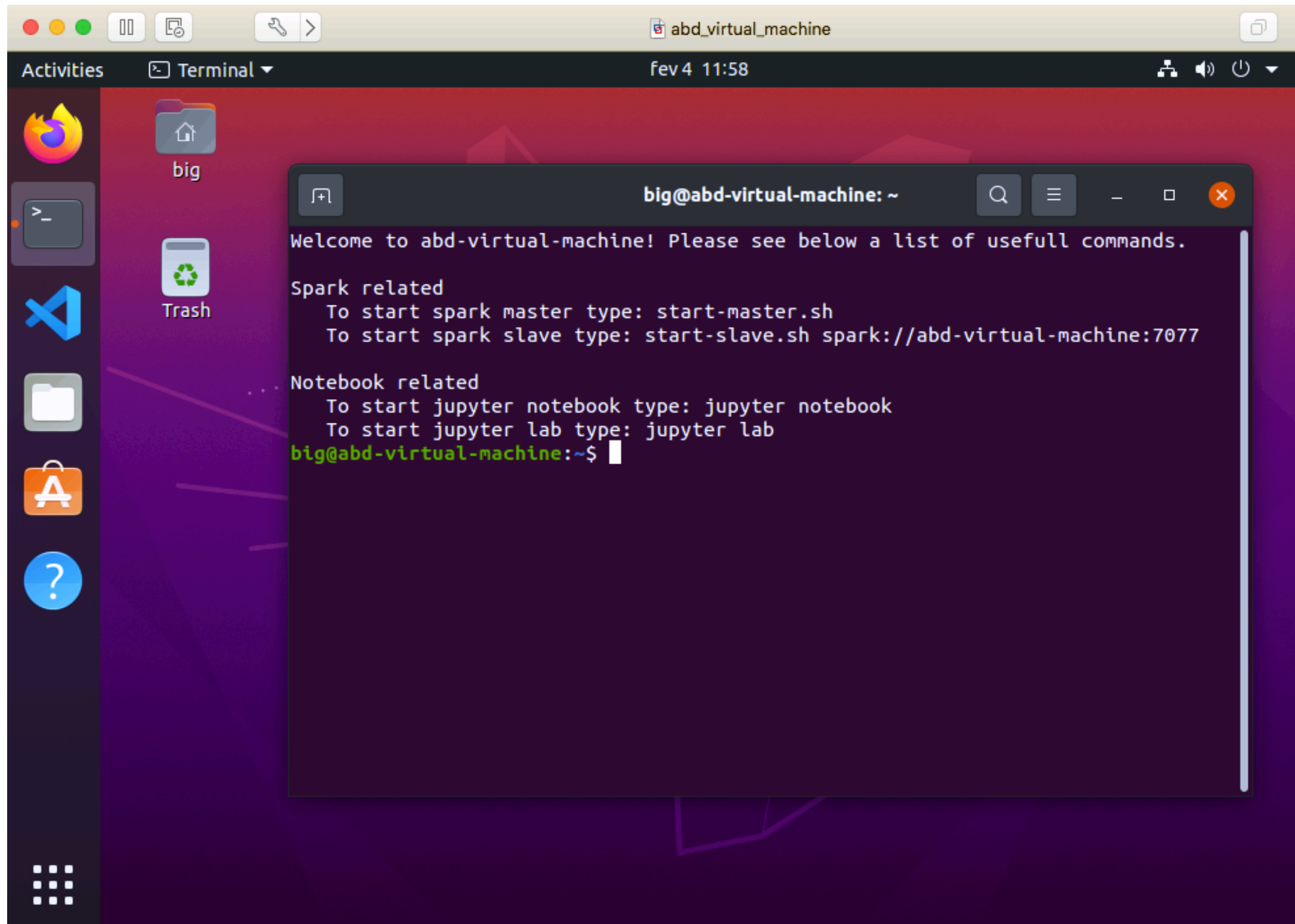
- We provide full vmware licensing for DCTI students
- You will receive an email in your institutional email xxxx@iscte-iul.pt saying to reset your password in this application
- Once you reset your password and successfully logged in, download the suitable version according to your OS:
  - windows and linux: vmware workstation pro (or player)
  - mac os: vmware fusion
- Install vmware and enter your license when asked for

# Virtual machine setup

## Download virtual machine

- Download virtual machine from:
  - Sharepoint (login in O365 required)
- Start vmware, go to File -> open and choose the downloaded file.
- Username: big  
Password: data

# Virtual machine



# AWS educate program

- We will provide you instructions later on.