





DIGITAL TALENT SCHOLARSHIP 2019

Big Data Analytics



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Praktek Membuat Instance dan Konfigurasi Security Group

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Pokok Pembahasan:



- Register Ke AWS Educate (as Pengajar/Peserta)
- Instalasi "Virtual Machine EC2 (2-3 minutes)"
- Instalasi Putty/ZOC/MINGW64 & WinSCP
- Tugas









Launch a virtual machine

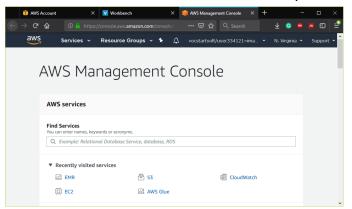


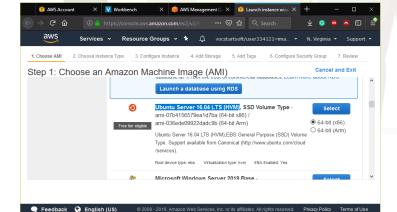
Login Ke AWS Educate, Klik "AWS Educate Starter Account" > "AWS Console"





 Pada "WS Management Console" > "Launch a virtual machine" > misal pilih "Ubuntu Server 16.04 LTS (HVM)"









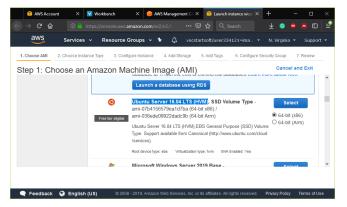


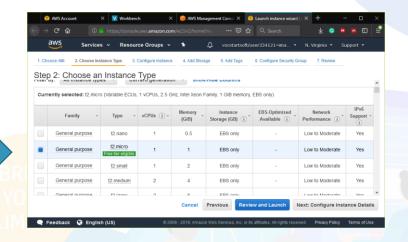


Launch a virtual machine

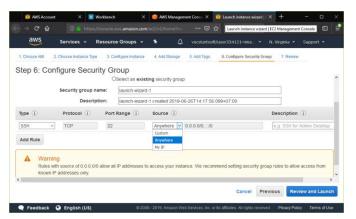


Klik "Select" > "Review & Launch"

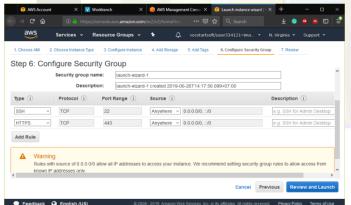




 Pada "Config. Security Group", misal pilih SSH dgn source "Anywhere", lalu misal menambahkan rule "HTTPS" dengan klik "Add Rule" > "Review & Launch"











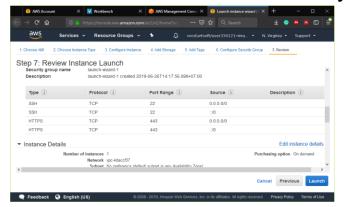


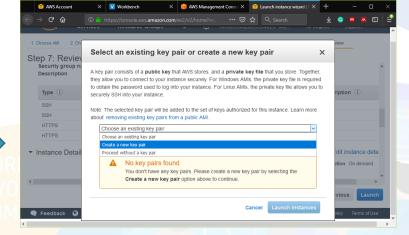


Launch a virtual machine

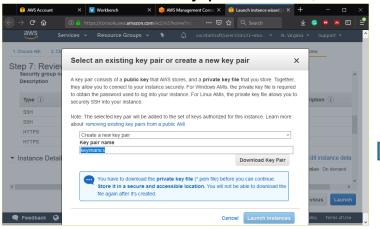


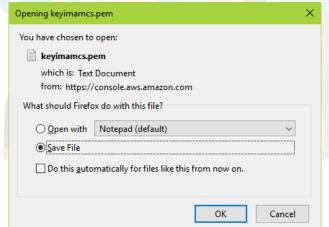
Klik "Launch" > "New a new key pair"





Berikan nama "Key pair name", misal "keyimamcs" Klik "Download Key Pair" > "OK"







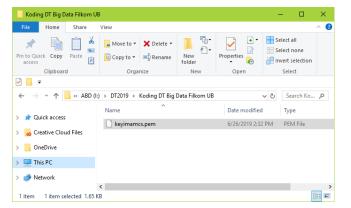




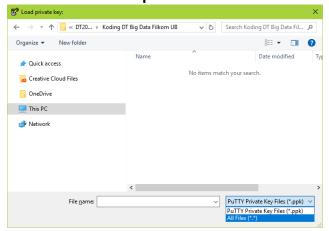


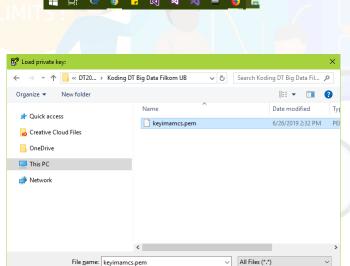
Convert *.pem

Convert file ".pem" dengan "Puttygen"



Klik "load" > pilih "All Files" > "Open"





<u>O</u>pen |▼

Filters >

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Best match

PuTTY

Apps

PuTTYgen

Documents

Putty

Rivanto.docx

putTY

Progress ke-2 Skripsi P1 - Maya Novita Putri Riyanto

Novita Putri Riyanto.pdf

Proposal Skripsi - Maya Novita Putri

Hasil cek plagiasi Proposal Skripsi - Maya

Soal UAS ABD 2018-2019 Ganjil Putra.docx





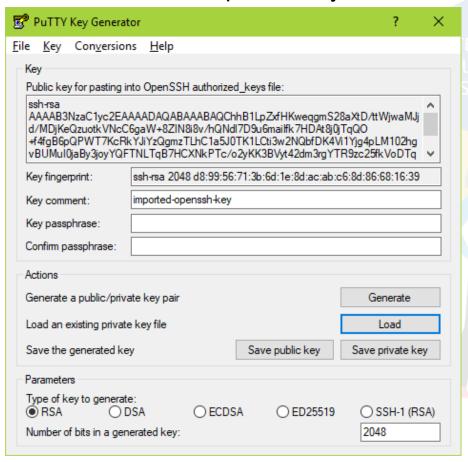


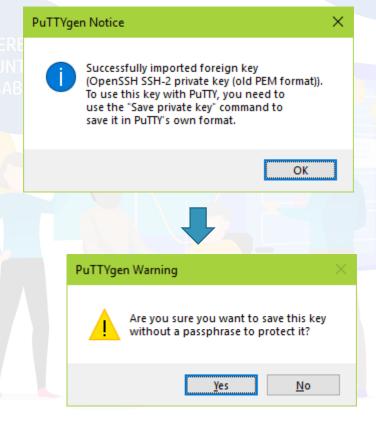


Convert *.pem



Klik "OK", klik "Save private key", > "Yes"









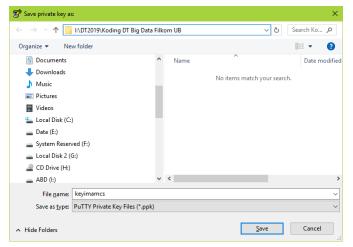




Convert *.pem

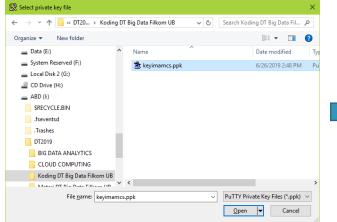


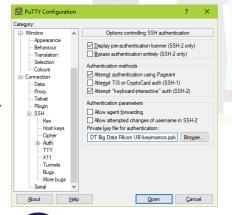
Berikan nama file > klik "Save", buka "Putty"





Pilih SSH > "Auth" > browse file "keyimamcs.ppk" > jgn klik "Open" dulu









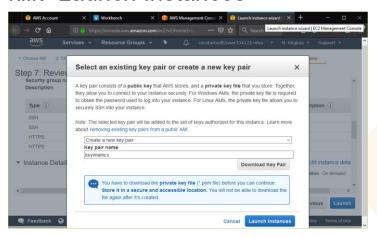




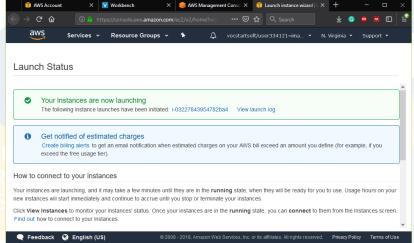
Launch Instances



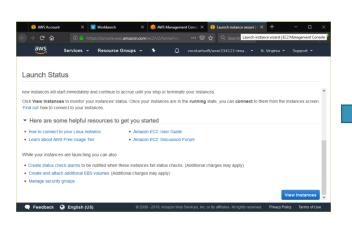
• klik "Launch Instances"

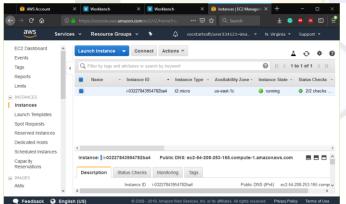






Scrool ke bawah, lalu klik "View Instances"









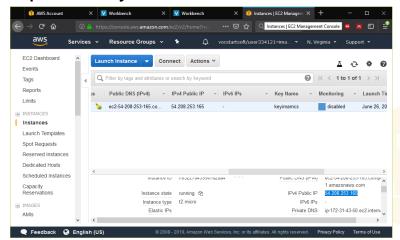




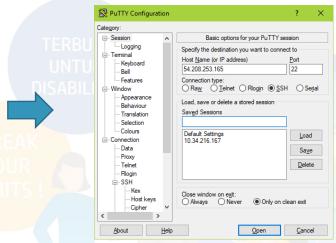
Launch Instances



Open Putty > Masukkan IP dari AWS instance



• Jangan di klik Open dulu.







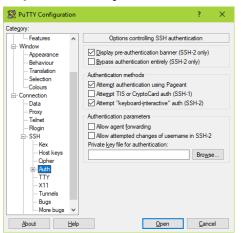


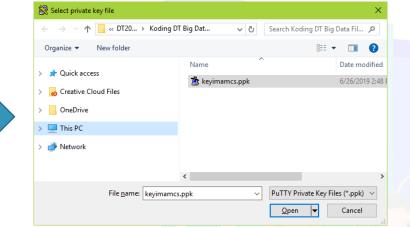


Remote Instances

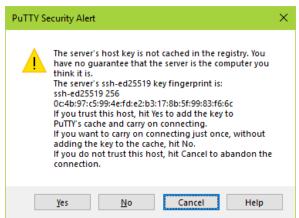


Open Putty > SSH > Auth > Browse > pilih file *.ppk > klik "Open"

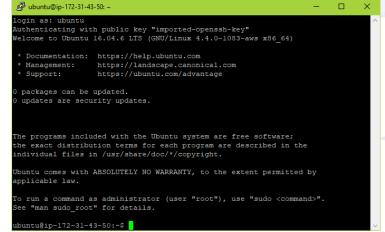




Klik Yes, ssh sudah siap. :D









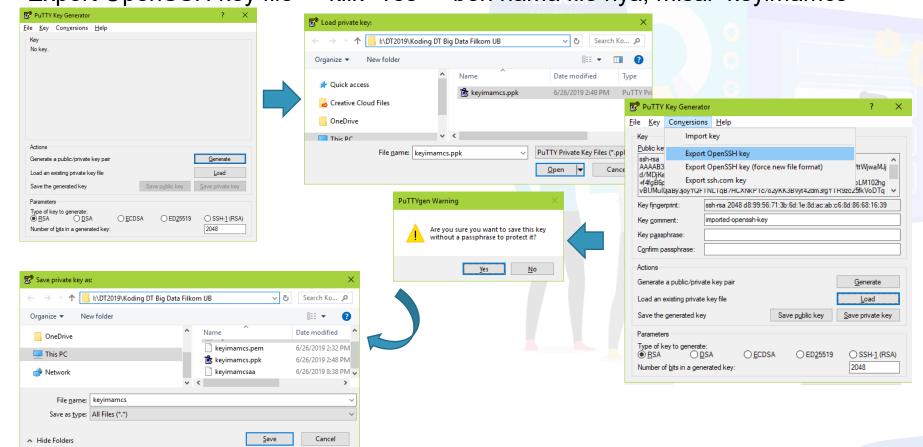








Alternatif lain selain Putty, bisa pakai "ZOC" dgn load file *.ppk yang sudah diconvert menjadi file "public key" dengan "PuttyGen" > klik "Convertion" > pilih "Export OpenSSH key file" > klik "Yes" > beri nama file-nya, misal "keyimamcs"







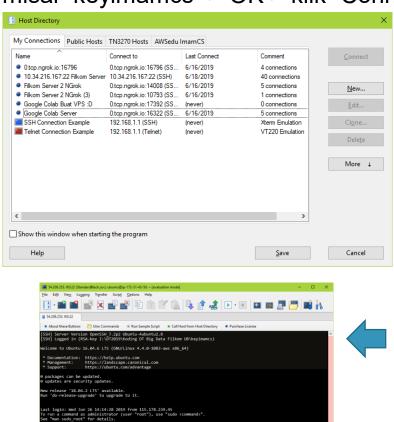


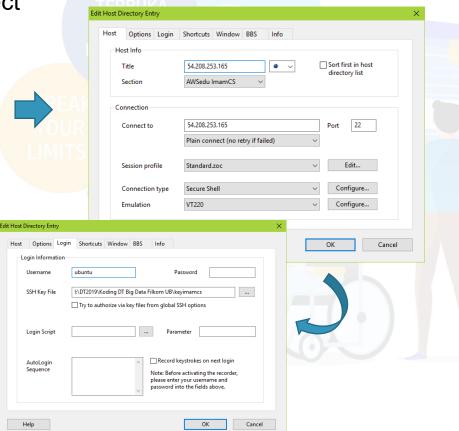




Buka "ZOC", Klik File > Host Directory > New > Isikan field dan Pilih Section, misal "AWSedu ImamCS"> Tab Login > Load SSH File key yang dibuat sebelumnya,

misal "keyimamcs" > OK > klik "Connect"







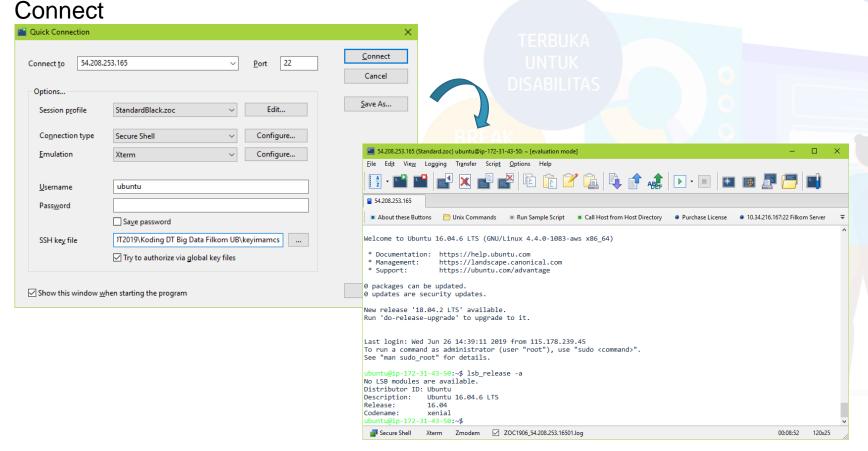








Cara lain, buka "ZOC", pada SSH key file, browse file "keyimamcs" tadi, klik







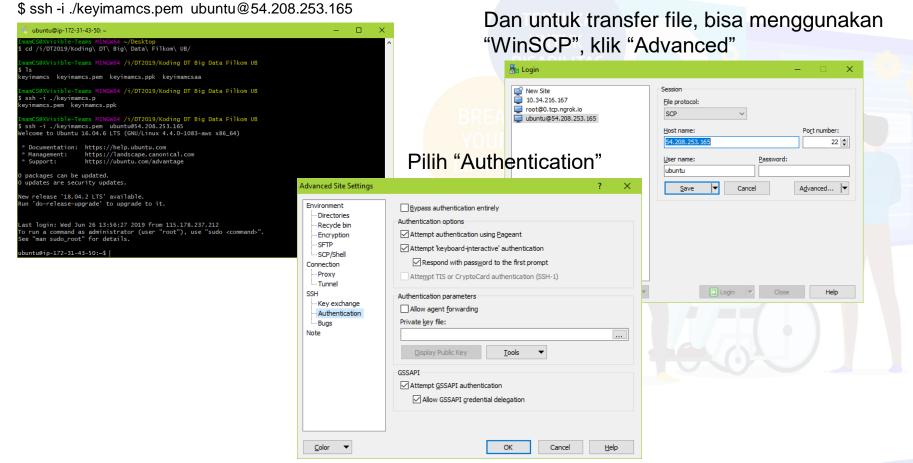






Alternatif lain selain Putty dan ZOC, bisa pakai "MINGW64" dgn load file *.pem

ImamCS@XVisible-Teams MINGW64 /i/DT2019/Koding DT Big Data Filkom UB













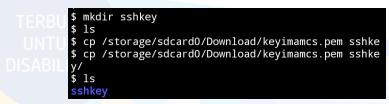
Alternatif lain selain Putty, ZOC, MINGW64, bisa pakai "termux" dgn load file *.pem untuk remote AWS Instance dari HP/Tablet Android.

Install termux \$ pkg install ssh

Misal file "*.pem" sudah ditranfer di hp anda pada folder "sshkey" \$ ssh -i sshkey/keyimamcs.pem ubuntu@54.208.253.165 (ketikan "yes" jika ada pertanyaan)

Jika mau disconnect \$ exit

```
<u>↓</u> 😲 😥 🔯 💌 🕛
                                                          untu@ip-172-31-43-50:~$ exit
Connection to 54.208.253.165 closed.
$ ssh -i sshkey/keyimamcs.pem ubuntu@54.208.253.165
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1083-aws x86_64)
 * Documentation: https://help.ubuntu.com
 * Management:
                 https://landscape.canonical.com
                 https://ubuntu.com/advantage
 * Support:
 packages can be updated
O updates are security updates.
New release '18.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
Last login: Wed Jun 26 16:12:23 2019 from 115.178.239.45
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo root" for details.
                            CTRL
```



The authenticity of host '54.208.253.165 (54.208.2 53.165)' can't be established. ECDSA key fingerprint is SHA256:F5AVTCTPNCRCJhwpPh 5Z1IXdei5yFXk4bv8Bh+LgewE. Are you sure you want to continue connecting (yes/ no/[fingerprint])? yes



```
buntu@ip-172-31-43-50:~$ lsb release -a
No LSB modules are available.
Distributor ID: Ubuntu
              Ubuntu 16.04.6 LTS
              16.04
              xenial
 buntu@ip-172-31-43-50:~$ df -h
Filesystem
              Size Used Avail Use% Mounted on
udev
                      0 488M
                               0% /dev
tmpfs
              100M
                          96M
                                4% /run
/dev/xvda1
              7.7G
                   957M 6.8G
                              13% /
tmpfs
              496M
                        496M
                               0% /dev/shm
tmpfs
              5.0M
                        5.0M
                               0% /run/lock
                     0
                         496M
                               0% /sys/fs/cgroup
                           0 100% /snap/core/6818
/dev/loop0
               90M
                    90M
/dev/loop1
               18M
                    18M
                            0 100% /snap/amazon-ssm-agent/1335
tmpfs
              100M
                        100M
                               0% /run/user/1000
   ntu@ip-172-31-43-50:~$ free -m
             total
                                            shared buff/cache
                                    523
Mem:
    ESC
                                       ALT
                           CTRL
```





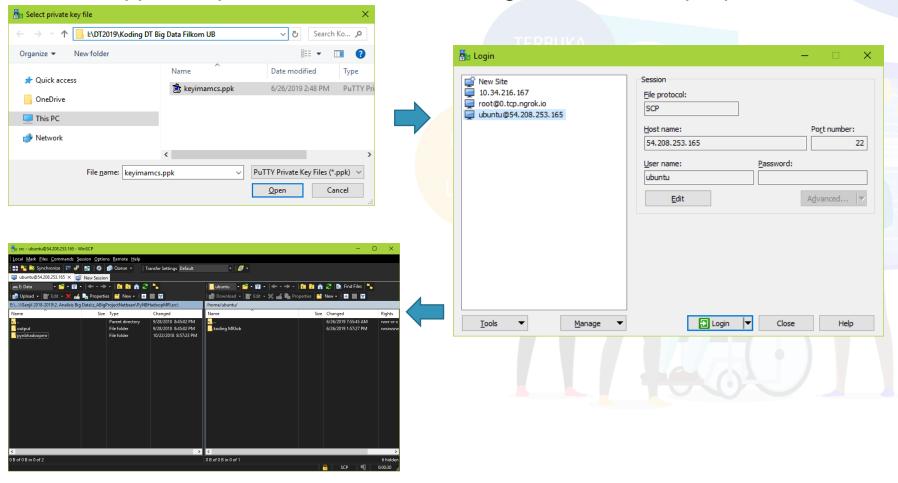




Tool Transfer File Lokal <-> Server



Load file *.ppk > "Open" > "OK" > "Save" > "Login". WinSCP siap dipakai













Tugas Individu

1. Kerjakan tugas berikut:

- Lakukan ulang materi di atas seperti di all slide lalu convert ke PDF, dengan nama file seperti: "[Nama Lengkap Mhs]-[Pert. Ke-..]-[Minggu Ke-1/2/..]"
- Cek plagiasi diturnitin (tiap minggu) dari hasil mencoba ulang tersebut
 - > Register ke turnitin
 - > Masukkan id class: 21563495 & enrool key: filkomub9302

















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Terimakasih

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