



DIGITAL TALENT SCHOLARSHIP 2019

Big Data Analytics



Penggunaan Session di Linux

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Asisten: Guedho, Sukma, Anshori, Aang dan Gusti

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Pokok Bahasan

1. Konsep session dengan screen di Linux
2. Jenis” Perintah Session
3. Case study menjalankan jupyter notebook pada screen
4. Tugas (tdk ada)

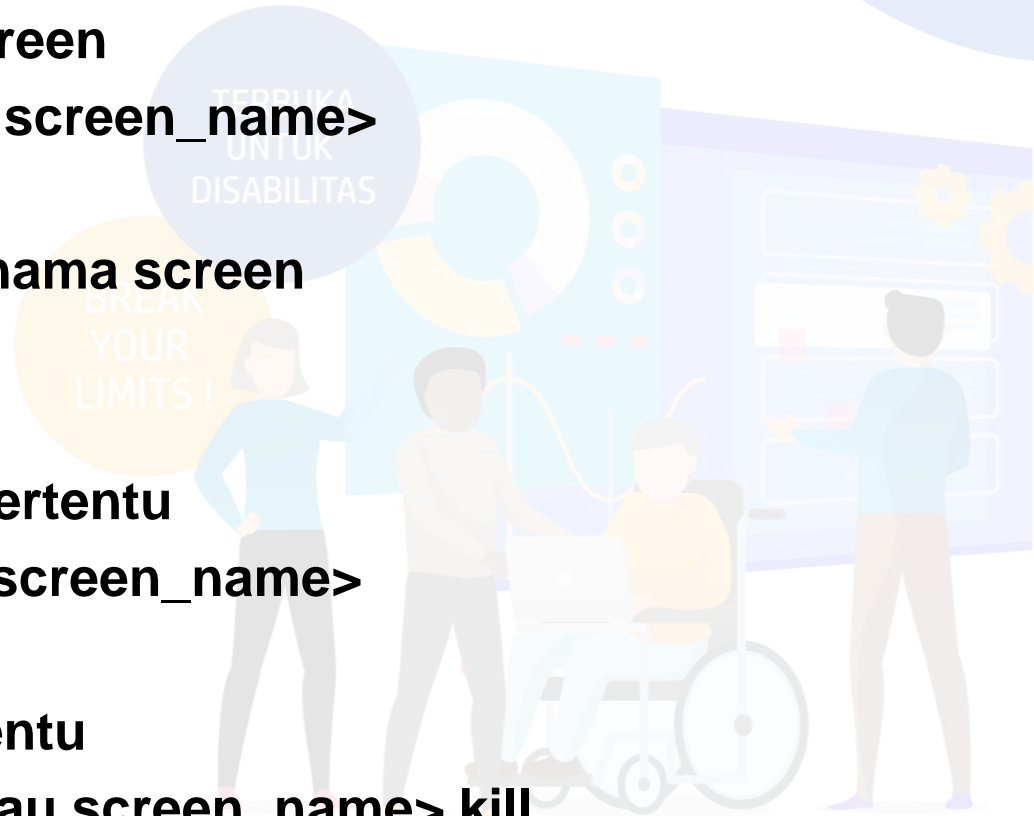


Konsep session dengan screen pada Linux

- Dalam satu instance (virtual machine di AWS), seolah-olah kita punya banyak user, dengan perintah “screen” pada Linux.
- Jika belum tersedia dalam instance anda, ketikkan “\$ sudo apt-get install screen”
- Dan kegunaan screen ini adalah ketika terjadi disconnect dari remote tools, seperti Putty/ZOC atau lainnya.
- Screen tersebut masih dapat menyimpan session dari perintah-perintah yang anda jalankan sebelumnya.

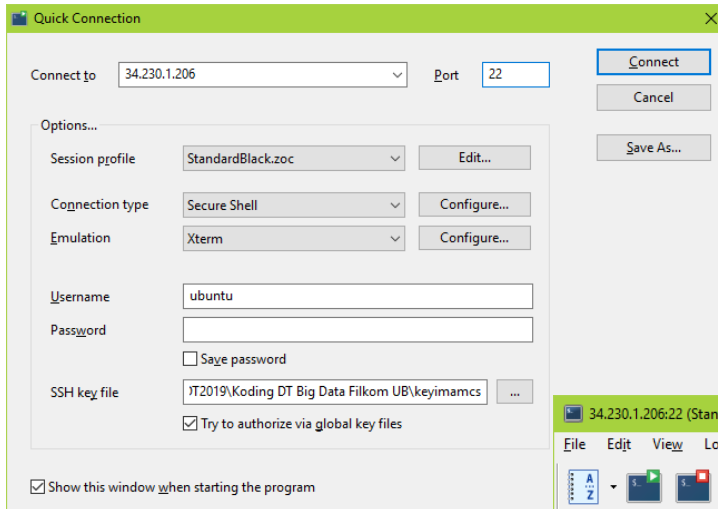
Perintah session

- Perintah membuat nama screen
screen -S <SCREENID atau screen_name>
- Perintah melihat list nama-nama screen
screen -ls
- Perintah masuk ke screen tertentu
screen -r <SCREENID atau screen_name>
- Perintah hapus screen tertentu
screen -X -S <SCREENID atau screen_name> kill



Perintah session

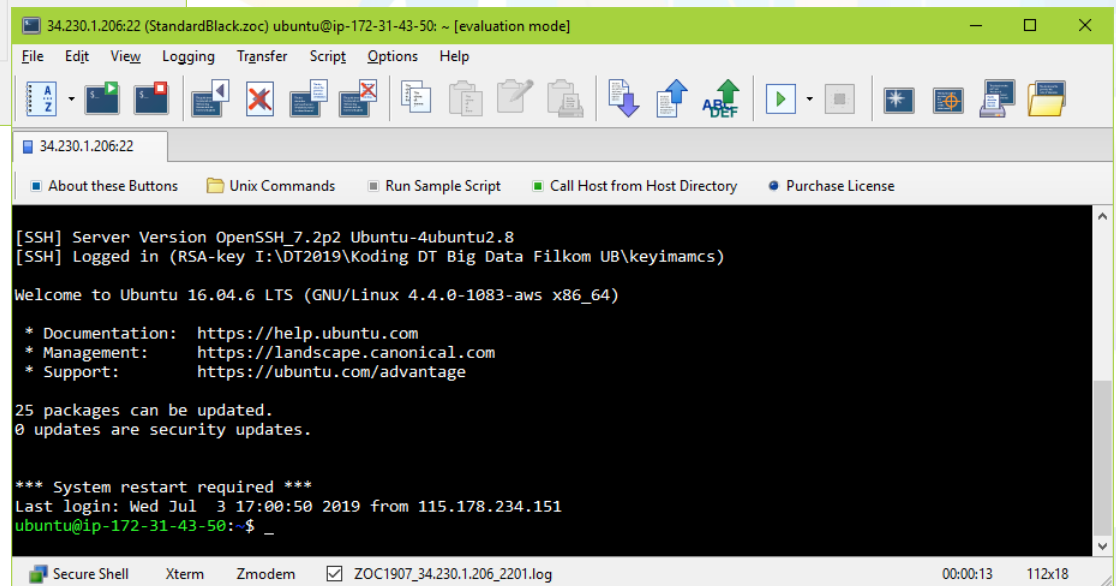
- Pastikan anda sudah login di instance anda, misal dengan ZOC



TERBUKA
UNTUK
DISABILITAS

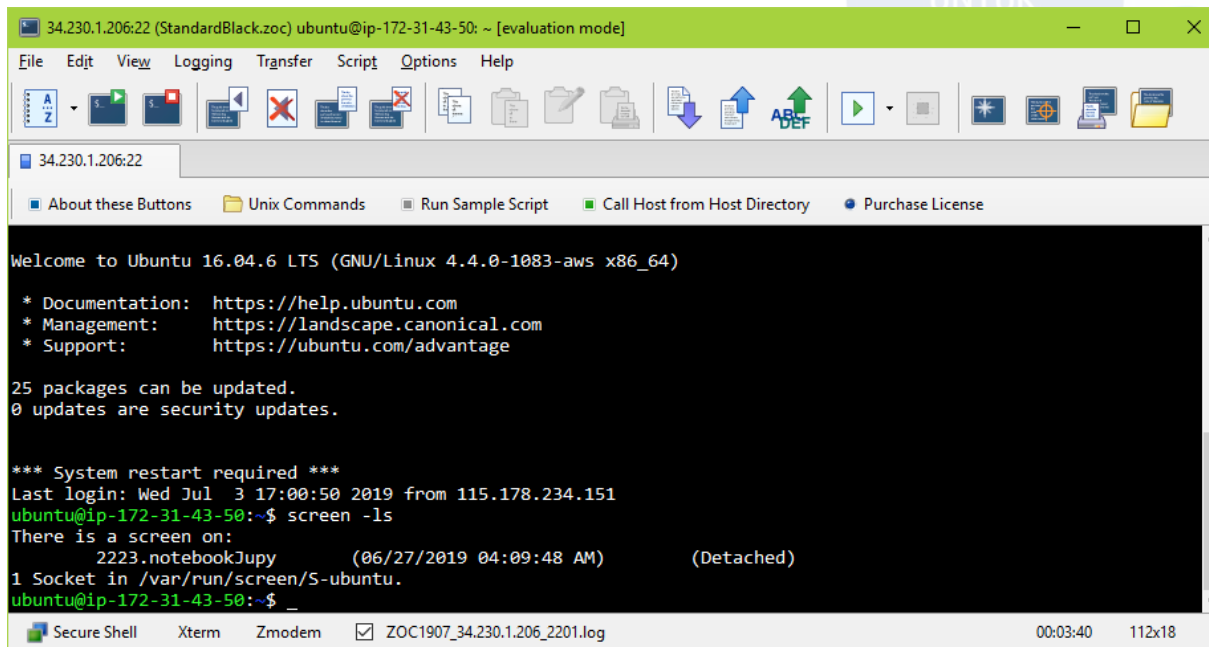


Ketika pertama kali Connect, belum masuk ke screen manapun



Perintah session

- Contoh perintah melihat list nama-nama screen
screen -ls

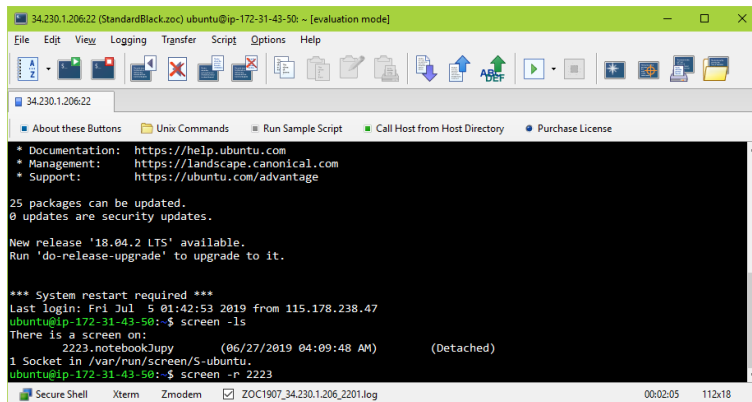


```
34.230.1.206:22 (StandardBlack.zoc) ubuntu@ip-172-31-43-50: ~ [evaluation mode]
File Edit View Logging Transfer Script Options Help
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1083-aws x86_64)
* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage
25 packages can be updated.
0 updates are security updates.
*** System restart required ***
Last login: Wed Jul  3 17:00:50 2019 from 115.178.234.151
ubuntu@ip-172-31-43-50:~$ screen -ls
There is a screen on:
  2223.notebookJupy      (06/27/2019 04:09:48 AM)      (Detached)
1 Socket in /var/run/screen/S-ubuntu.
ubuntu@ip-172-31-43-50:~$
```

waktu “06/27/2019 04:09:48 AM” menunjukkan bahwa screen dengan id “2223” atau dengan nama “notebookJupy” masih aktif sampai sekarang yang dibuat sejak 27 Juni 2019.

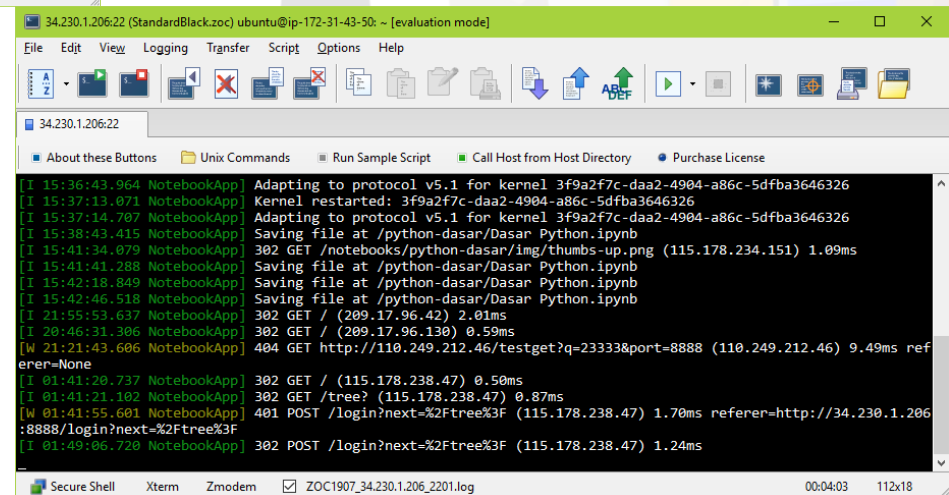
Case study menjalankan jupyter notebook pada screen

- Contoh perintah untuk masuk ke screen tertentu
“screen -r 2223” atau dengan “screen -r notebookJupy”



```
34.230.1.206:22 (StandardBlack.zoc) ubuntu@ip-172-31-43-50: ~ [evaluation mode]
File Edit View Logging Transfer Script Options Help
34.230.1.206:22
About these Buttons Unix Commands Run Sample Script Call Host from Host Directory Purchase License
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/advantage
25 packages can be updated.
0 updates are security updates.
New release '18.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
*** System restart required ***
Last login: Fri Jul 5 01:42:53 2019 from 115.178.238.47
ubuntu@ip-172-31-43-50:~$ screen -ls
There is a screen on:
      2223.notebookJupy      (06/27/2019 04:09:48 AM)      (Detached)
1 Socket in /var/run/screen/S-ubuntu.
ubuntu@ip-172-31-43-50:~$ screen -r 2223
Secure Shell Xterm Zmodem ZOC1907_34.230.1.206_2201.log 00:02:05 112x18
```

Tekan enter

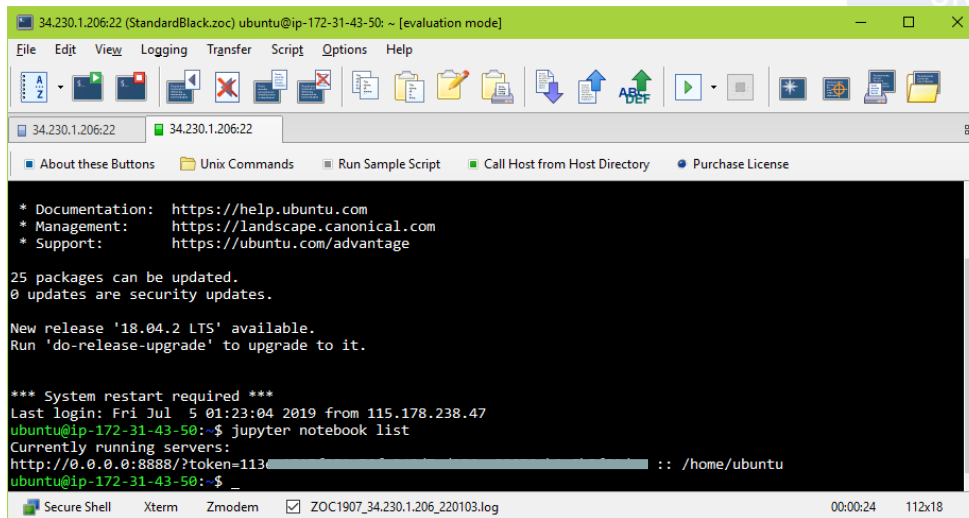


```
34.230.1.206:22 (StandardBlack.zoc) ubuntu@ip-172-31-43-50: ~ [evaluation mode]
File Edit View Logging Transfer Script Options Help
34.230.1.206:22
About these Buttons Unix Commands Run Sample Script Call Host from Host Directory Purchase License
[I 15:36:43.964 NotebookApp] Adapting to protocol v5.1 for kernel 3f9a2f7c-daa2-4984-a86c-5dfba3646326
[I 15:37:13.071 NotebookApp] Kernel restarted: 3f9a2f7c-daa2-4984-a86c-5dfba3646326
[I 15:37:14.707 NotebookApp] Adapting to protocol v5.1 for kernel 3f9a2f7c-daa2-4984-a86c-5dfba3646326
[I 15:38:43.415 NotebookApp] Saving file at /python-dasar/Dasar Python.ipynb
[I 15:41:34.079 NotebookApp] 302 GET /notebooks/python-dasar/img/thumbs-up.png (115.178.234.151) 1.09ms
[I 15:41:41.288 NotebookApp] Saving file at /python-dasar/Dasar Python.ipynb
[I 15:42:18.849 NotebookApp] Saving file at /python-dasar/Dasar Python.ipynb
[I 15:42:46.518 NotebookApp] Saving file at /python-dasar/Dasar Python.ipynb
[I 21:55:53.637 NotebookApp] 302 GET / (209.17.96.42) 2.01ms
[I 20:46:31.306 NotebookApp] 302 GET / (209.17.96.130) 0.59ms
[W 21:21:43.606 NotebookApp] 404 GET http://110.249.212.46/testget?q=2333&port=8888 (110.249.212.46) 9.49ms referer=None
[I 01:41:20.737 NotebookApp] 302 GET / (115.178.238.47) 0.50ms
[I 01:41:21.102 NotebookApp] 302 GET /tree? (115.178.238.47) 0.87ms
[W 01:41:55.601 NotebookApp] 401 POST /login?next=%2Ftree%3F (115.178.238.47) 1.70ms referer=http://34.230.1.206:8888/login?next=%2Ftree%3F
[I 01:49:06.720 NotebookApp] 302 POST /login?next=%2Ftree%3F (115.178.238.47) 1.24ms
Secure Shell Xterm Zmodem ZOC1907_34.230.1.206_2201.log 00:04:03 112x18
```




Case study menjalankan jupyter notebook pada screen

- Contoh perintah untuk masuk ke screen tertentu
screen -r 2223



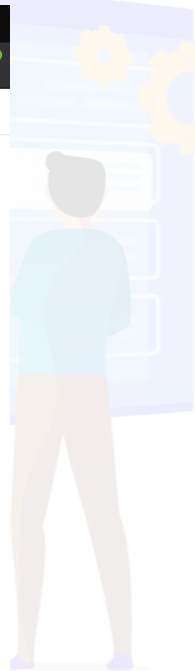
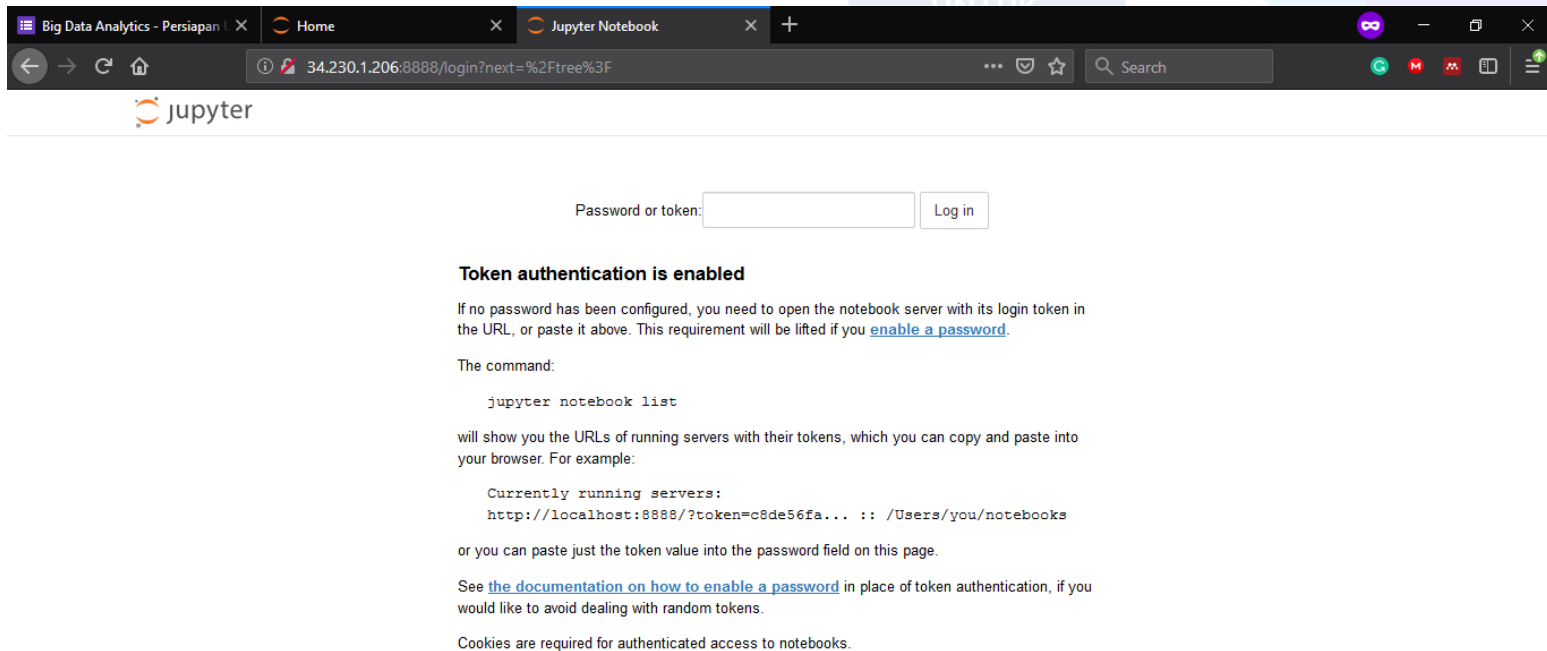
```
34.230.1.206:22 (StandardBlack.zoc) ubuntu@ip-172-31-43-50: ~ [evaluation mode]
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34.230.1.206:22 34.230.1.206:22
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25 packages can be updated.
0 updates are security updates.
New release '18.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
*** System restart required ***
Last login: Fri Jul 5 01:23:04 2019 from 115.178.238.47
ubuntu@ip-172-31-43-50:~$ jupyter notebook list
Currently running servers:
http://0.0.0.0:8888/?token=113... :: /home/ubuntu
ubuntu@ip-172-31-43-50:~$
```

Buka tab baru baru ZOC untuk mendapat token jupyter notebook yang masih aktif, dengan perintah:

“\$jupyter notebook list”

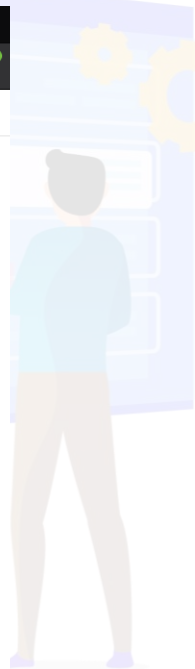
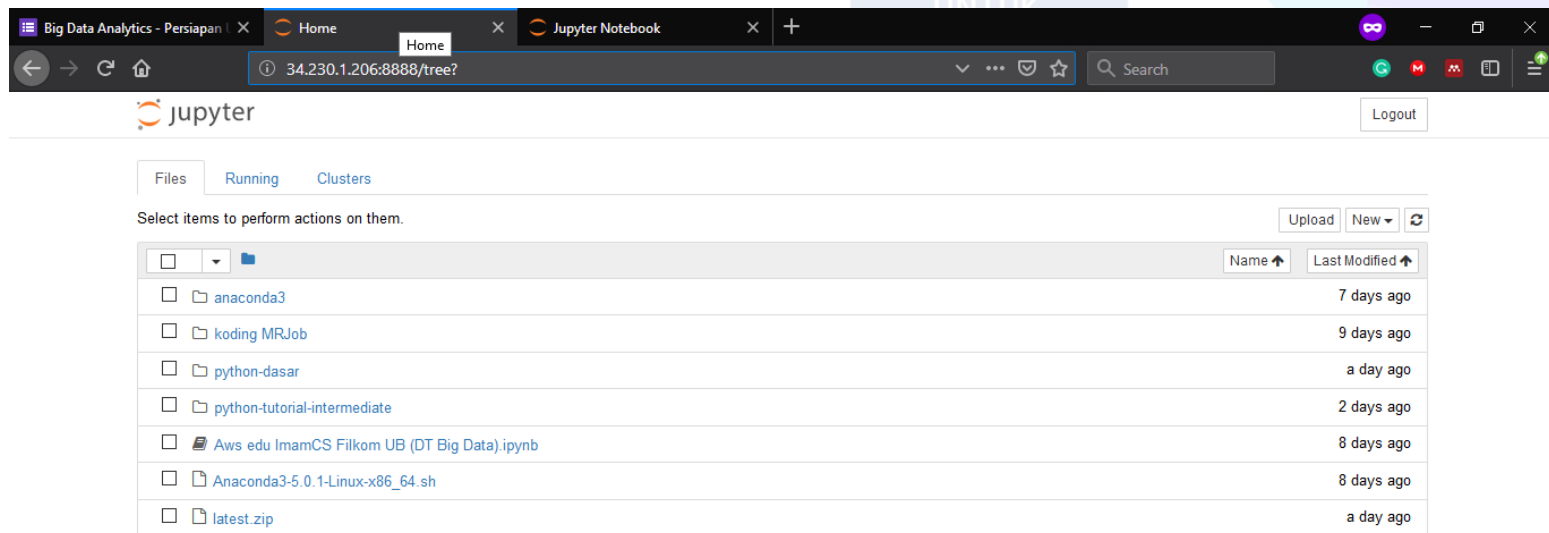
Case study menjalankan jupyter notebook pada screen

- Buka browser anda dengan, misal “http://34.230.1.206:8888”. Masukkan token yang didapat dari slide sebelumnya



Case study menjalankan jupyter notebook pada screen

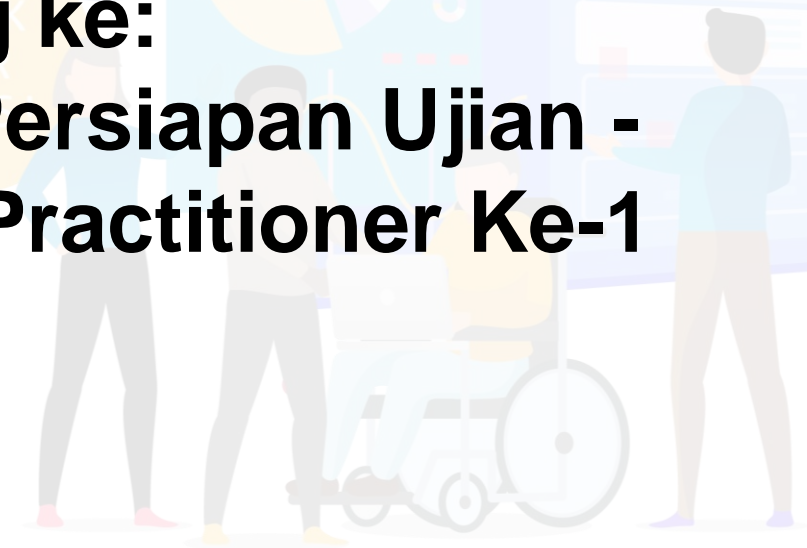
- Note bisa diakses dari manapun “http://34.230.1.206:8888”. Dan bisa terbuka dengan token yang didapat dari slide sebelumnya



Tugas Individu

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**Langsung ke:
Big Data Analytics - Persiapan Ujian -
AWS Certified Cloud Practitioner Ke-1**





DIGITAL
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Big Data Analytics



Terimakasih

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