Geant4 with VMWare

For Geant4 tutorial

Contents

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- VMware 설치
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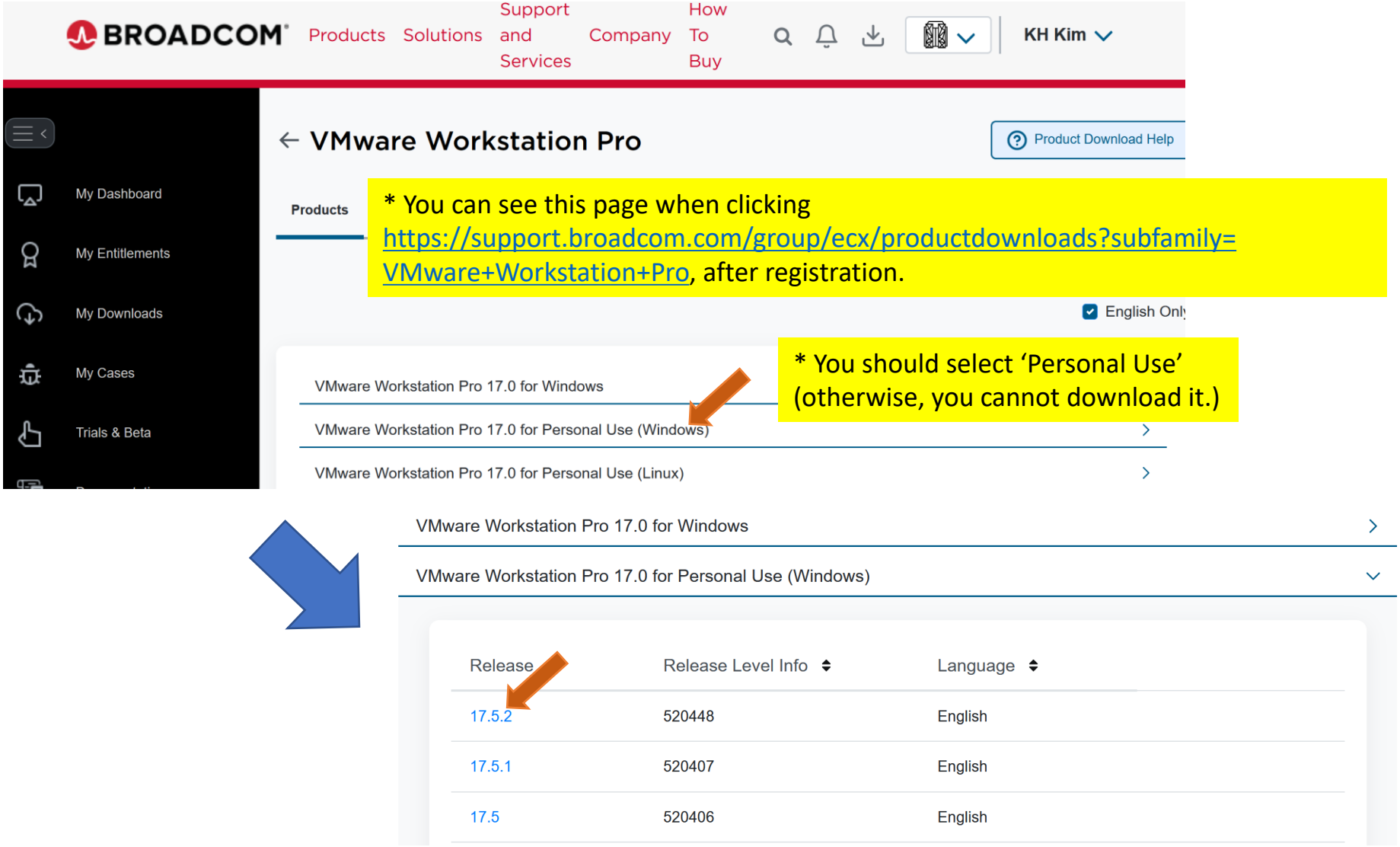
VMWare information

- Though you have previous vmware, reinstall of pro version is recommended.
- VMware workstation pro (personal use)
  - Price: Free
  - Download page
    - https://support.broadcom.com/group/ecx/productdownloads?subfamily=VMware+Workstation+Pro (Windows version VMware)
    - https://support.broadcom.com/group/ecx/productdownloads?subfamily=VMware+Fusion (Mac version VMware)
    - Should register ‘Broadcom’ to use VMware

VMware Installation (Windows)



VMware Workstation Pro for Personal Use (For Windows) 17.5.2

Product Download Help

Primary Downloads | Open Source

Search | 17.5.2 | 520448 | English

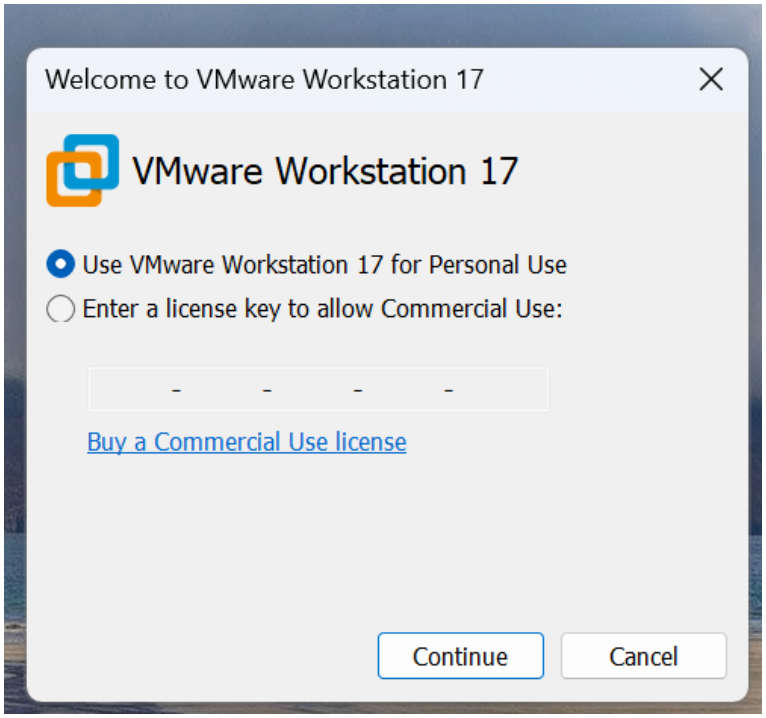
* Please check the box at here.

☐ I accepted Terms and .....

Expand All

VMware Workstation Pro for Personal Use (For Windows)	Release 17.5.2	Release Level Info 520448

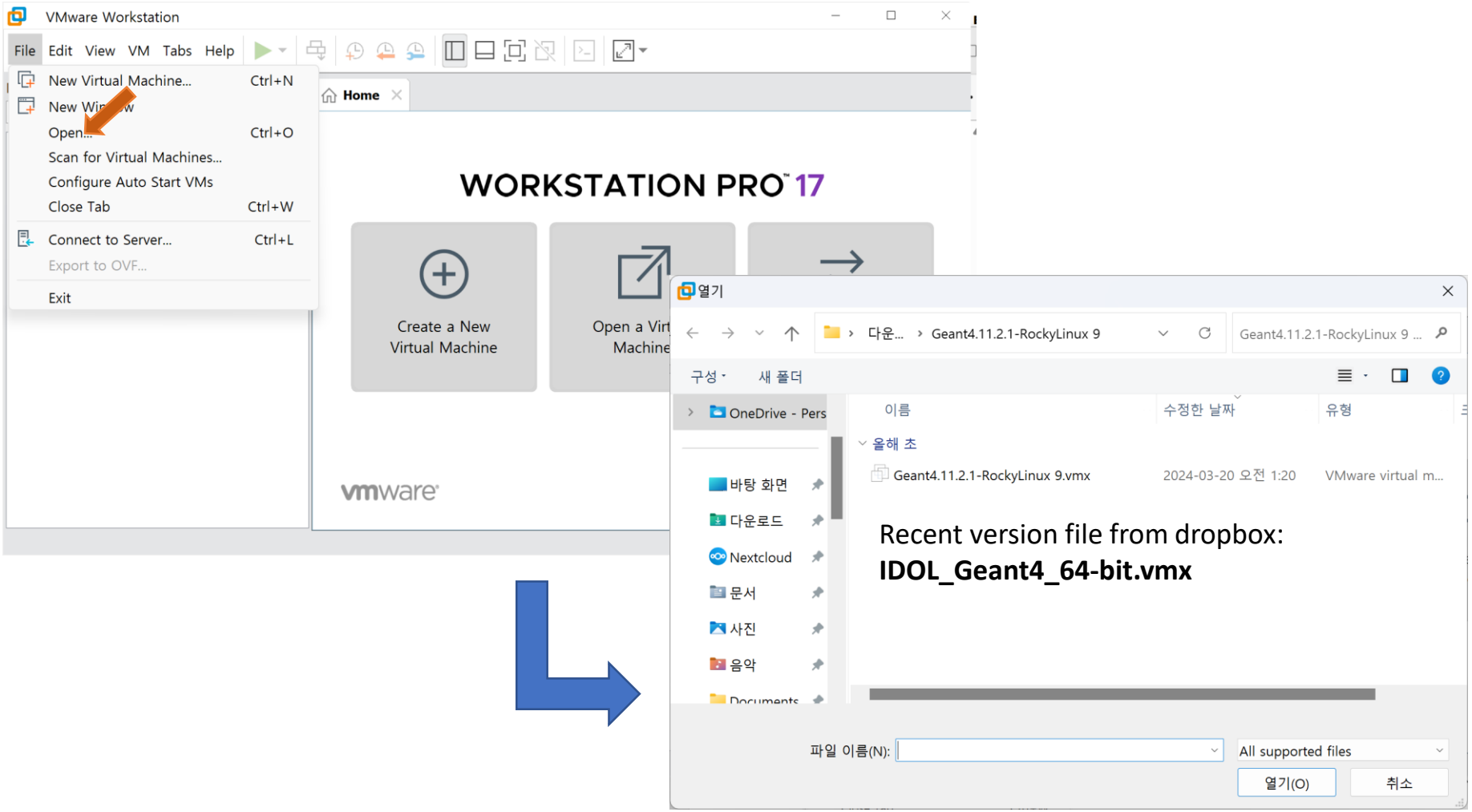
File Name	Last Updated	SHA2	MD5
VMware Workstation Pro for Windows VMware-workstation-full-17.5.2-23775571.exe(618.26 MB) Build Number: 23775571	May 10, 2024 11.06AM	2c3a40993a450dc9a059563d07664fc0fb85ae398a57d22b1b4bf0e602417bf7	c0a0353c1dade2089b55ce04ca942964

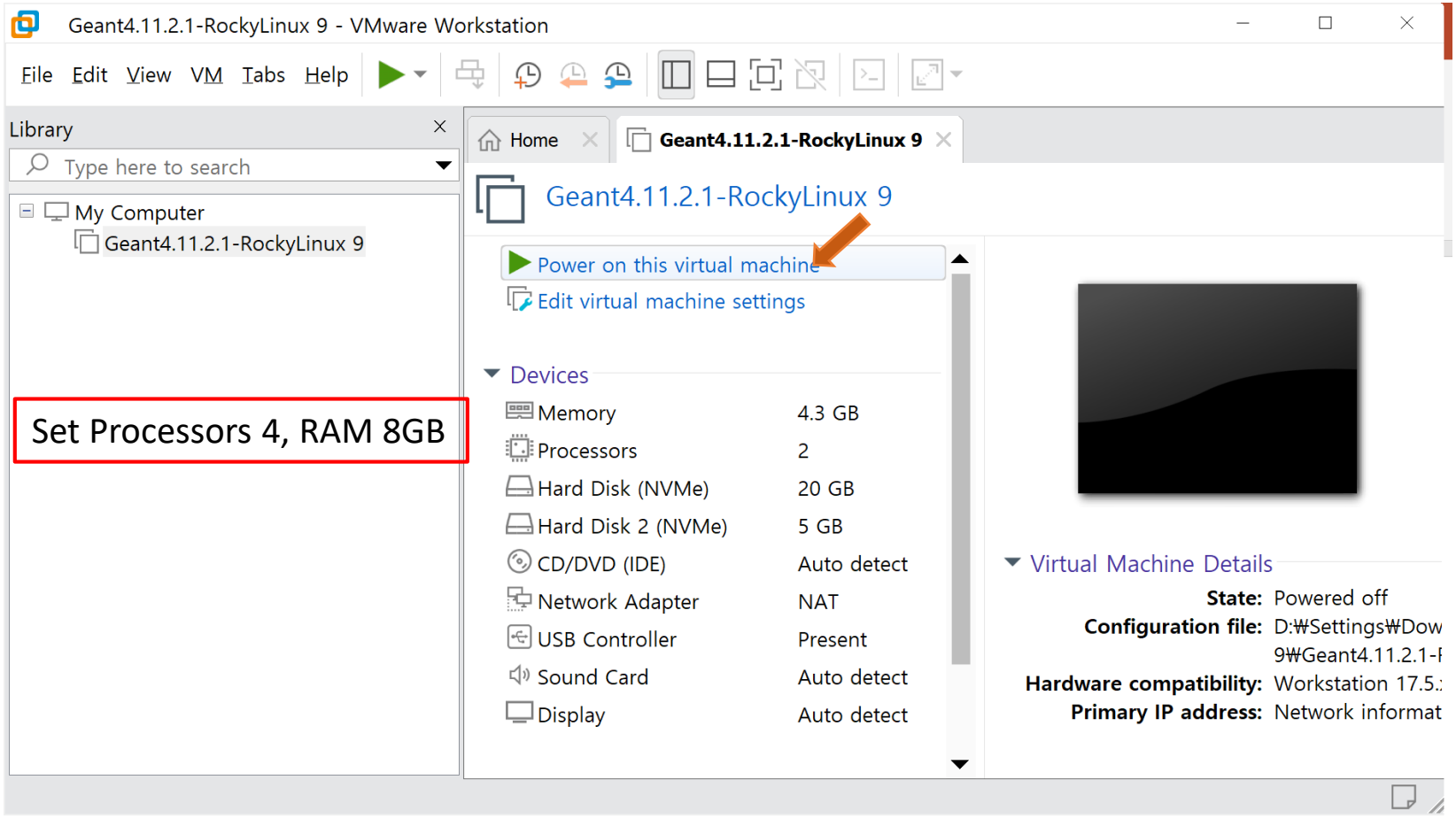


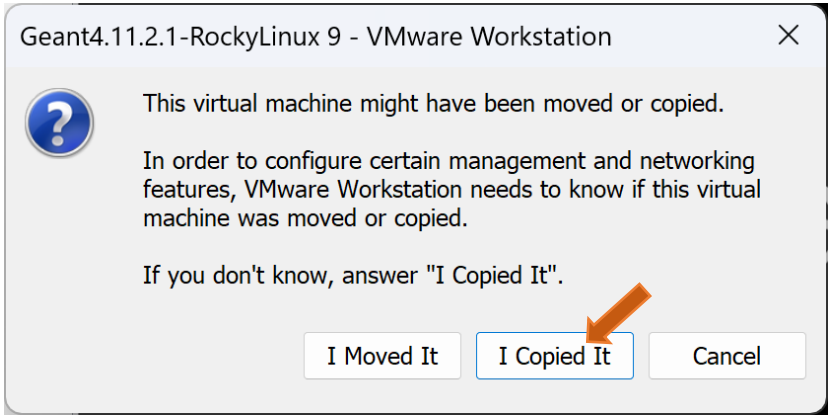
Recommend to install VMware pro at personal PC.

Running (Windows)

- Running VMware workstation pro




Geant4.11.2.1-RockyLinux 9 - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Geant4.11.2.1-RockyLinux 9
Set Processors 4, RAM 8GB
Home
Geant4.11.2.1-RockyLinux 9
Geant4.11.2.1-RockyLinux 9
Power on this virtual machine
Edit virtual machine settings
Devices
Memory 4.3 GB
Processors 2
Hard Disk (NVMe) 20 GB
Hard Disk 2 (NVMe) 5 GB
CD/DVD (IDE) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Display Auto detect
Virtual Machine Details
State: Powered off
Configuration file: D:₩Settings₩Dow
9₩Geant4.11.2.1-
Hardware compatibility: Workstation 17.5.
Primary IP address: Network informat


Geant4.11.2.1-RockyLinux 9 - VMware Workstation
This virtual machine might have been moved or copied.
In order to configure certain management and networking features, VMware Workstation needs to know if this virtual machine was moved or copied.
If you don't know, answer "I Copied It".
I Moved It
I Copied It
Cancel

If you have problem while running..

- Visual C++ Redistributable download
  - https://learn.microsoft.com/ko-kr/cpp/windows/latest-supported-vc-redist?view=msvc-170#latest-microsoft-visual-c-redistributable-version
  - Reboot required

Architecture	Link	Notes
ARM64	https://aka.ms/vs/17/release/vc_redist.arm64.exe	Permalink for latest supported ARM64 version
X86	https://aka.ms/vs/17/release/vc_redist.x86.exe	Permalink for latest supported x86 version
X64	https://aka.ms/vs/17/release/vc_redist.x64.exe	Permalink for latest supported x64 version. The X64 Redistributable package contains both ARM64 and X64 binaries. This package makes it easy to install required Visual C++ ARM64 binaries when the X64 Redistributable is installed on an ARM64 device.

Backup

Previous Geant4 Image download

- https://extra.lp2ib.in2p3.fr/G4/download/

Download the current release of Geant4 Virtual Machine

Current Stable Release :

- **VM du 13/03/2024** :
  Geant4.11.2.1=> PC Windows, Mac Intel processors, (with Vmware Player/Fusion)
  Geant4.11.2.1 => Mac Apple silicon chips (with Vmware Fusion)
  readme

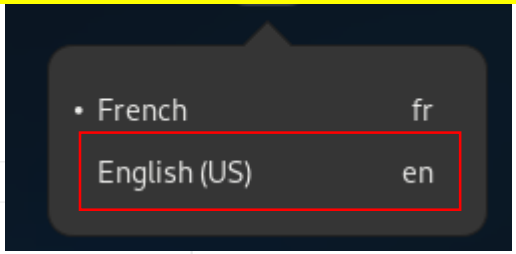
8.5GB .7z file, 15GB after extraction

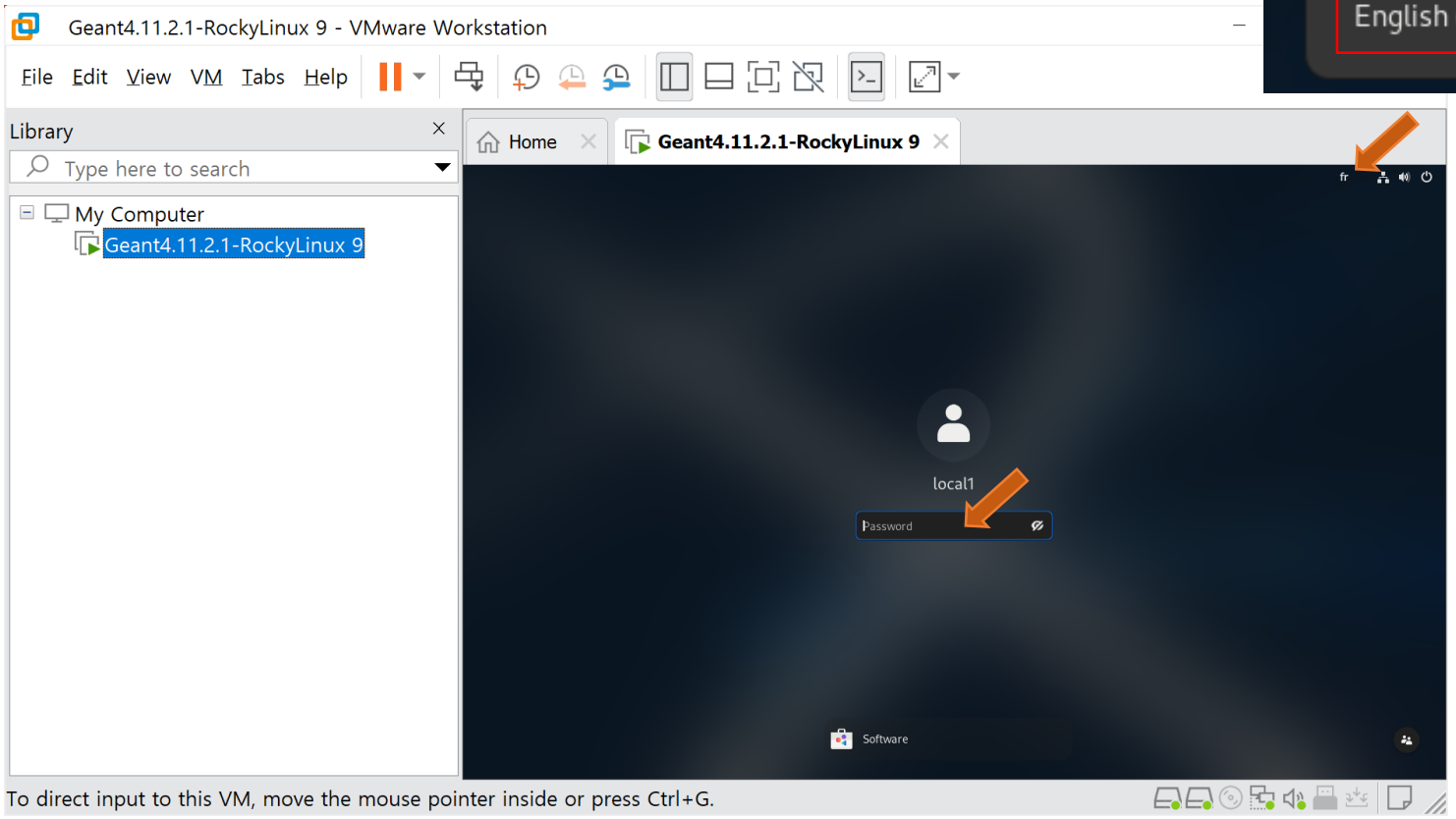
Previous Releases :

- VM du 20/12/2023 :
  Geant4.11.2.0=> PC Windows, Mac Intel processors, (with Vmware Player/Fusion)
  Geant4.11.2.0 => Mac Apple silicon chips (with Vmware Fusion)
  readme

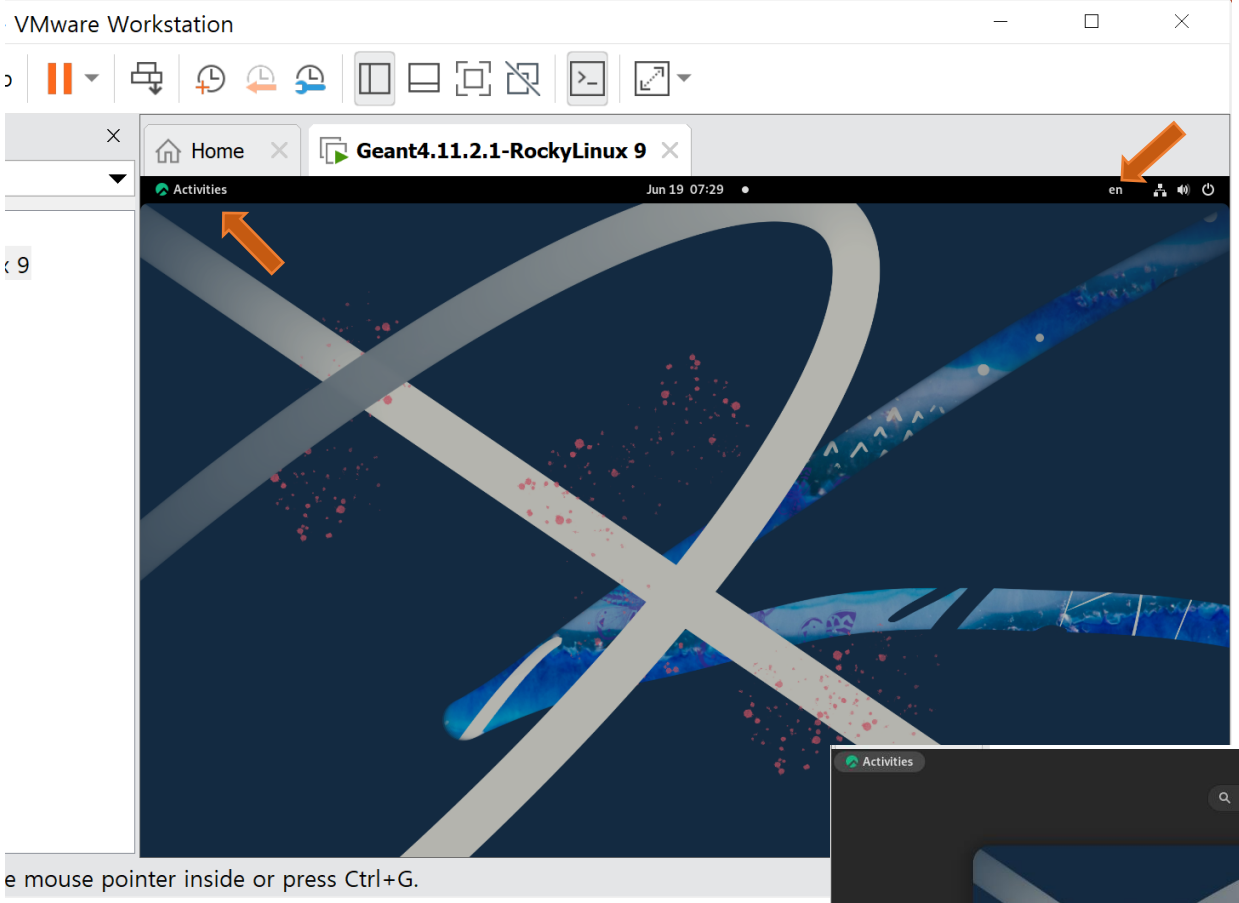
15GB .7z file, 27GB after extraction

1) You should change the keyboard layout from fr to en before typing password

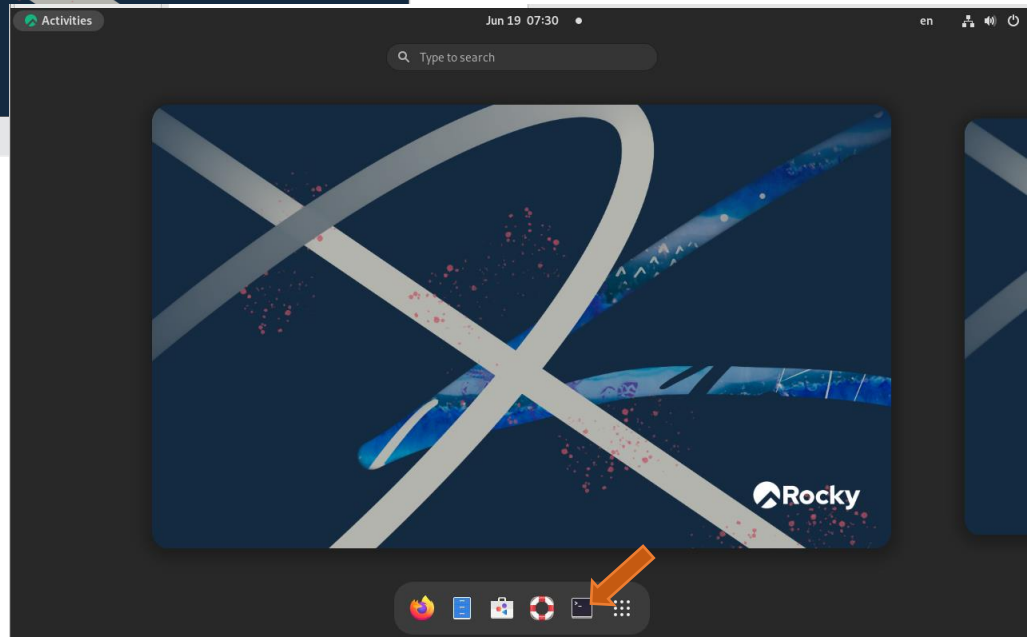




2) 자판 변경 후 password 입력 (계정명과 같음)
에러가 날 경우 자판을 변경했는지 확인하고 다시 입력
3) **로그인 한 후에도 자판 변경을 해줘야 합니다!**



1) Check language and change fr -> en
2) Activities -> terminal



* Geant4 installation folder: /usr/local/geant4.11.2.1

Run the basic example (B1)

mkdir test

cd test

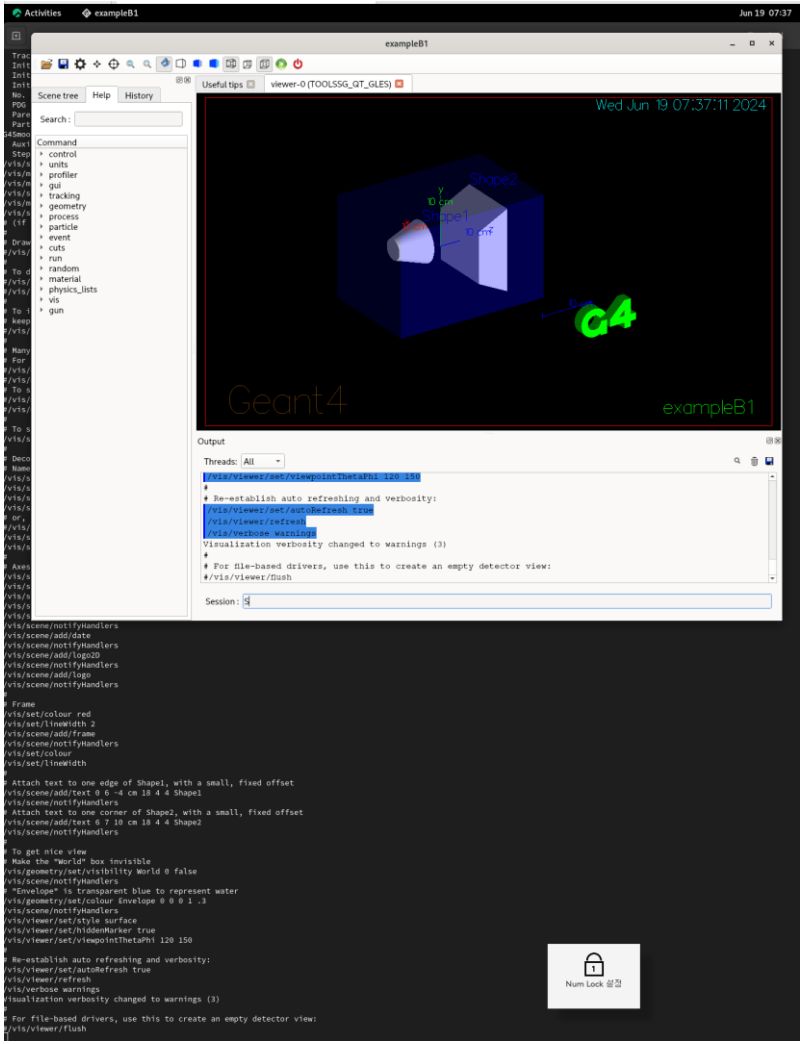
cp -r $G4EXAMPLES/basic/B1 ./

cd B1

mkdir build

cd build

cmake ../

make -j2

./exampleB1