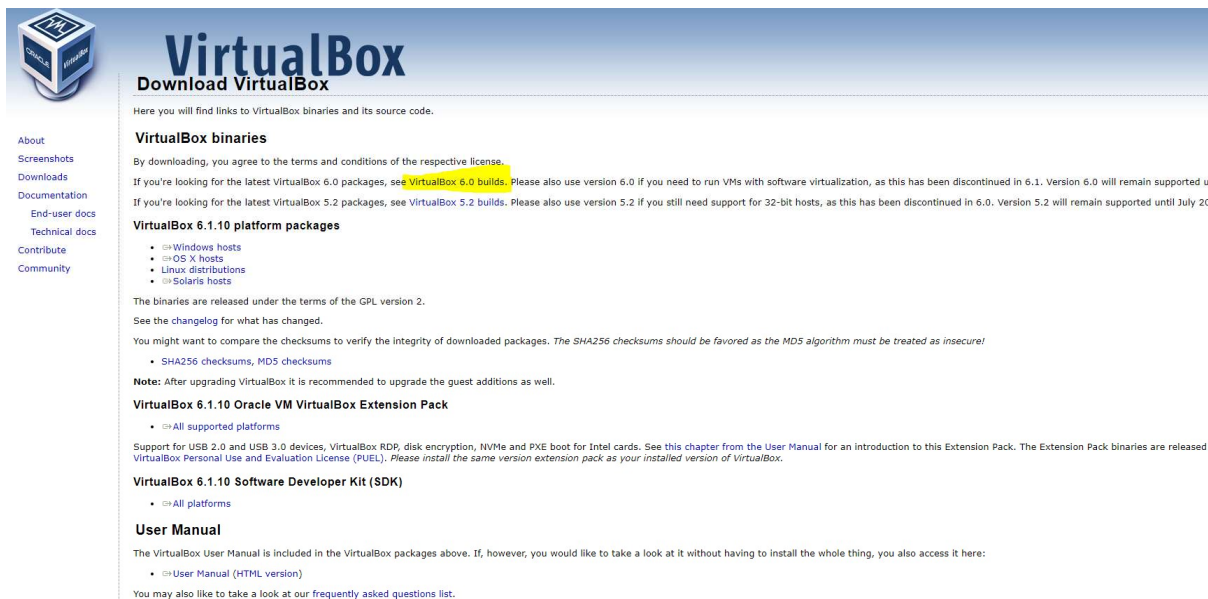



How to create a “virtual IGEL” with VirtualBox

1. Go to Virtualbox.org and download the correct version, the most recent one is VB6.1, this tutorial is based on VB6.0



2. To download, click on the “Download VirtualBox 6.1” button on the middle of your screen, then click on Virtual 6.0 builds, then on “Windows hosts” under Virtualbox 6.0.22





VirtualBox



Download VirtualBox (Old Builds): VirtualBox 6.0

The Extension Packs in this section are released under the VirtualBox Personal Use and Evaluation License. All other license.

- 6.0 SDK (6.0.22)
- VirtualBox 6.0.22** (released May 15 2020)
 - Windows hosts
 - OS X hosts
 - Solaris hosts
 - Linux Hosts:
 - Oracle Linux 8 / Red Hat Enterprise Linux 8 / CentOS 8
 - Oracle Linux 7 / Red Hat Enterprise Linux 7 / CentOS 7
 - Oracle Linux 6 / Red Hat Enterprise Linux 6 / CentOS 6
 - Ubuntu 19.10 / 20.04
 - Ubuntu 18.04 / 18.10 / 19.04
 - Ubuntu 16.04
 - Ubuntu 14.04 / 14.10 / 15.04
 - Debian 10
 - Debian 9
 - Debian 8
 - openSUSE 15.0
 - openSUSE 13.2 / Leap 42
 - Fedora 31
 - Fedora 29 / 30
 - Fedora 26 / 27 / 28
 - All distributions
 - Extension Pack
 - Sources
 - MD5 checksums, SHA256 checksums
- VirtualBox 6.0.20** (released April 14 2020)
 - Windows hosts
 - OS X hosts
 - Solaris hosts
 - Linux Hosts:
 - Oracle Linux 8 / Red Hat Enterprise Linux 8 / CentOS 8
 - Oracle Linux 7 / Red Hat Enterprise Linux 7 / CentOS 7
 - Oracle Linux 6 / Red Hat Enterprise Linux 6 / CentOS 6
 - Ubuntu 19.10 / 20.04
 - Ubuntu 18.04 / 18.10 / 19.04
 - Ubuntu 16.04
 - Ubuntu 14.04 / 14.10 / 15.04

- Once downloaded, install the file and follow the instructions, it's rather self-explaining, if needed, just refer to the below video on youtube that explains everything in detail.
<https://www.youtube.com/watch?v=8mns5yqMfZk>
- Just make sure that you pay attention to the network settings so that your VM's have access to the internet through the host, as that's needed to activate the IGEL license later on in this manual, maybe this one can help in that : https://www.youtube.com/watch?v=QO_Tv02ND-k
- Once installed you have the Virtualbox infrastructure running, now you need to download the IGEL OS11 image we're going to use from : www.myigel.biz
- Click on "IGEL_OS_11" (marked yellow)

← → ↻ ⓘ Not secure | myigel.biz/?forcedownload

Index of . / public /

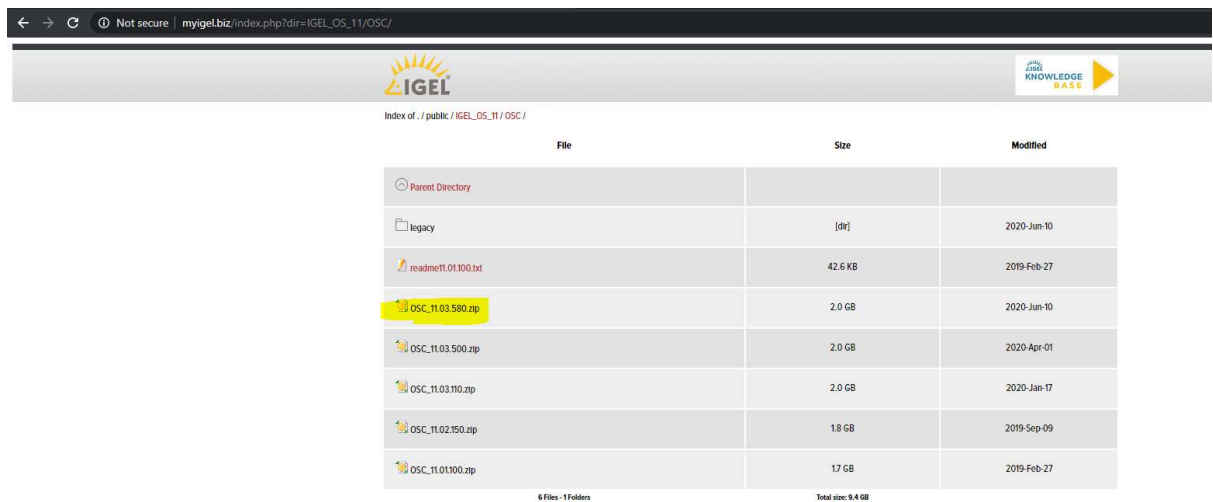
| File | Size | Modified |
|----------------------------------|-------|-------------|
| PREVIOUS_SERIES | [dir] | 2012-Feb-17 |
| OSC_FOR_WINDOWS | [dir] | 2020-May-06 |
| IGEL_ZERO | [dir] | 2017-Apr-19 |
| IGEL_UNIVERSAL_MANAGEMENT_SUITE | [dir] | 2018-Oct-15 |
| IGEL_UNIVERSAL_DESKTOP_FIRMWARE | [dir] | 2017-May-15 |
| IGEL_UNIVERSAL_DESKTOP_CONVERTER | [dir] | 2016-Nov-23 |
| IGEL_UNIFIED_MANAGEMENT_AGENT | [dir] | 2019-Feb-20 |
| IGEL_UDC_OS_DEPLOYMENT_APPLIANCE | [dir] | 2020-May-19 |
| IGEL_OS_11 | [dir] | 2019-Feb-15 |
| IGEL_CLOUD_GATEWAY | [dir] | 2019-Oct-15 |

0 Files - 10 Folders Total size: 0.0 B

7. Click on “OSC”

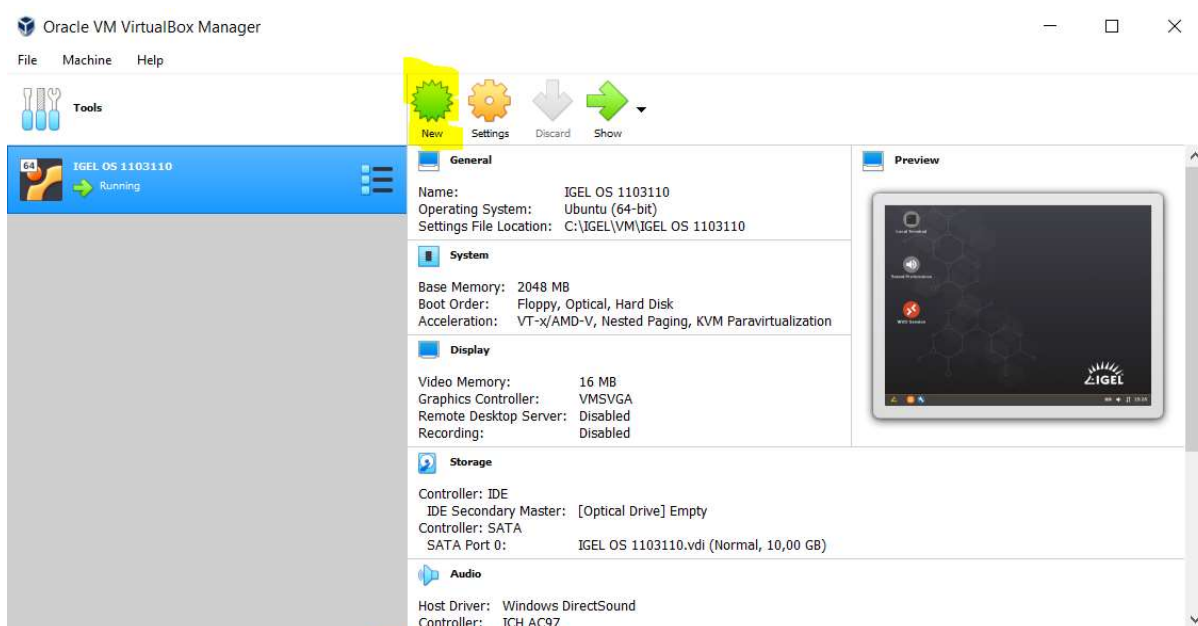


8. Then download “OSC_11.03.580.zip”

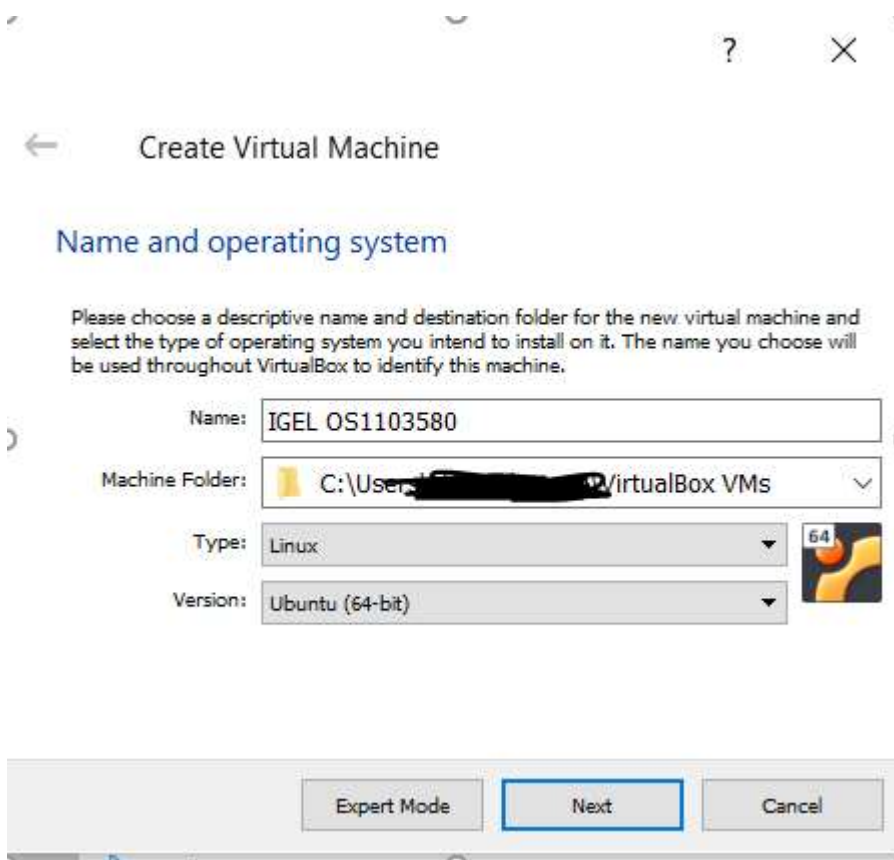


9. Unzip the result on your harddrive and remember the directory 😊

10. Now start Virtualbox and click on “New” in the top of the application (yellow)



11. Give your VM a name, select the machine folder (default is ok), choose type Linux and Uuntu 64-bit (IMPORTANT), click Next



12. Change the memory size to 2048MB minimum and click Next

The screenshot shows the 'Create Virtual Machine' dialog box with the 'Memory size' step selected. The title bar includes a question mark and a close button. A back arrow is in the top left. The main heading is 'Memory size'. Below it, text reads: 'Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine. The recommended memory size is **1024 MB**.' A horizontal slider is shown with a blue handle. The slider has '4 MB' at the left end and '16384 MB' at the right end. A text box to the right of the slider contains the value '2048' and 'MB'. At the bottom right, there are 'Next' and 'Cancel' buttons.

13. Default value is ok, click Next

The screenshot shows the 'Create Virtual Machine' dialog box with the 'Hard disk' step selected. The title bar includes a question mark and a close button. A back arrow is in the top left. The main heading is 'Hard disk'. Below it, text reads: 'If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.' Another line of text reads: 'If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.' Below this, text states: 'The recommended size of the hard disk is **10,00 GB**.' There are three radio button options: 'Do not add a virtual hard disk', 'Create a virtual hard disk now' (which is selected), and 'Use an existing virtual hard disk file'. Below the options is a text box containing 'IGEL OS 1103110.vdi (Normal, 10,00 GB)' and a folder icon. At the bottom right, there are 'Create' and 'Cancel' buttons.

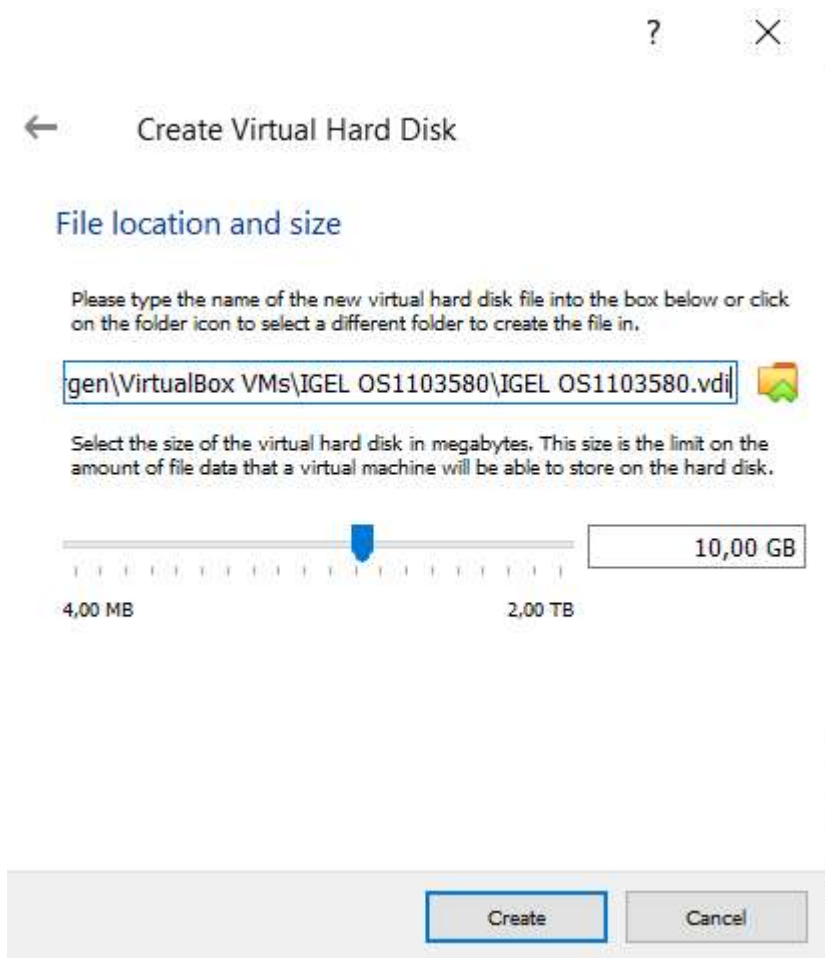
14. Again, keep default and click Next

The screenshot shows a window titled 'Create Virtual Hard Disk' with a back arrow on the left and help/question mark and close buttons on the right. The main heading is 'Hard disk file type'. Below it, a text box explains: 'Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.' There are three radio button options: 'VDI (VirtualBox Disk Image)' which is selected, 'VHD (Virtual Hard Disk)', and 'VMDK (Virtual Machine Disk)'. At the bottom, there are three buttons: 'Expert Mode', 'Next' (which is highlighted with a blue border), and 'Cancel'.

15. And another time default and Next

The screenshot shows the same 'Create Virtual Hard Disk' window, now at the second step titled 'Storage on physical hard disk'. The text box explains: 'Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size)'. It then provides two paragraphs of information: 'A **dynamically allocated** hard disk file will only use space on your physical hard disk as it fills up (up to a maximum **fixed size**), although it will not shrink again automatically when space on it is freed.' and 'A **fixed size** hard disk file may take longer to create on some systems but is often faster to use.' There are two radio button options: 'Dynamically allocated' which is selected, and 'Fixed size'. At the bottom, there are two buttons: 'Next' (highlighted with a blue border) and 'Cancel'.

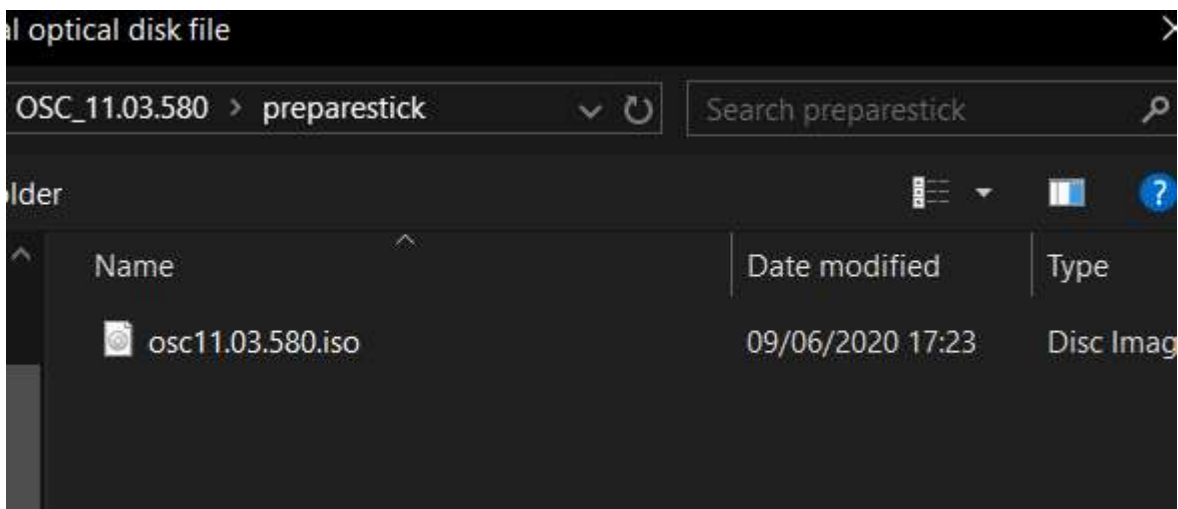
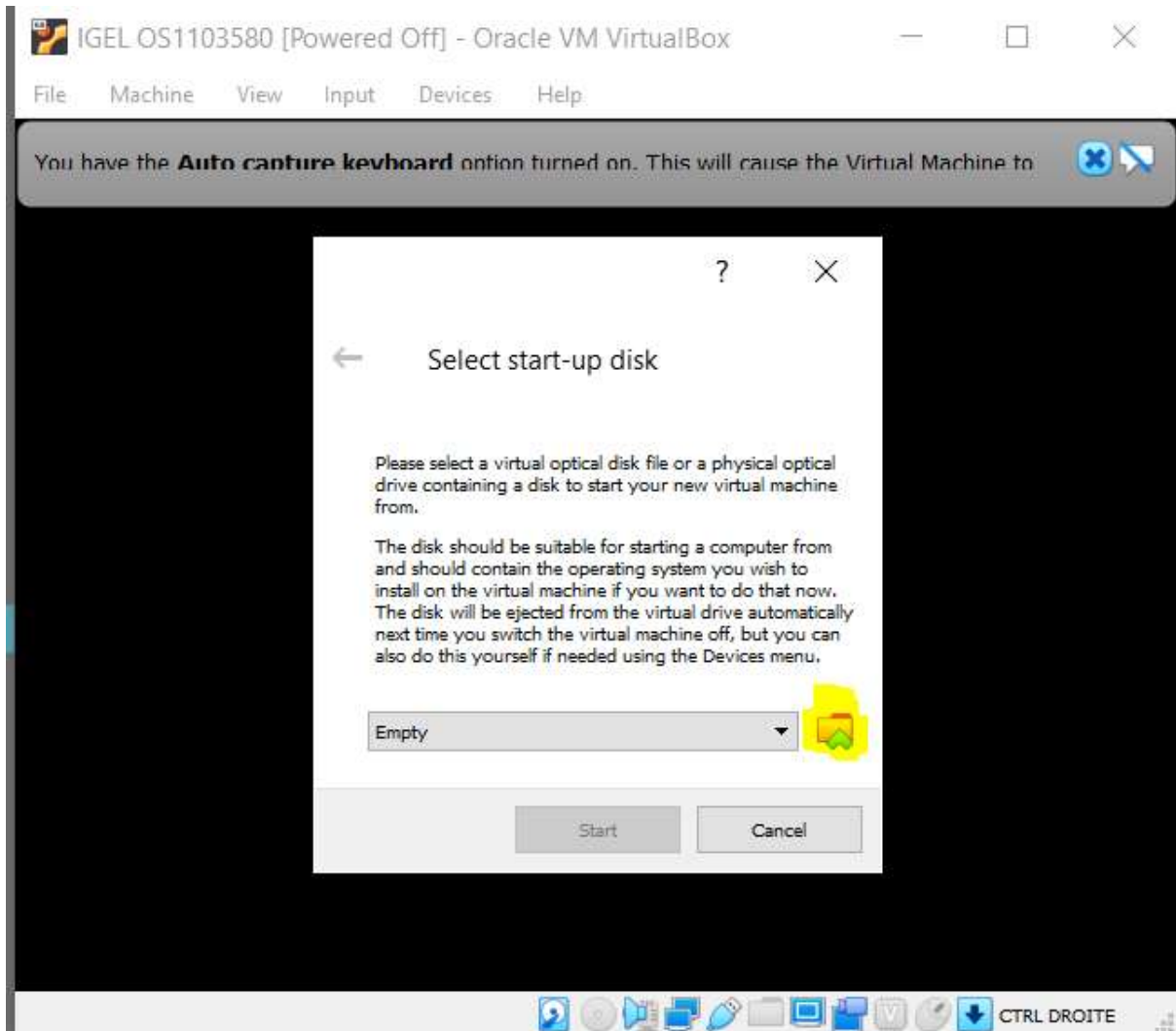
16. Keep 10GB as disk and click Create

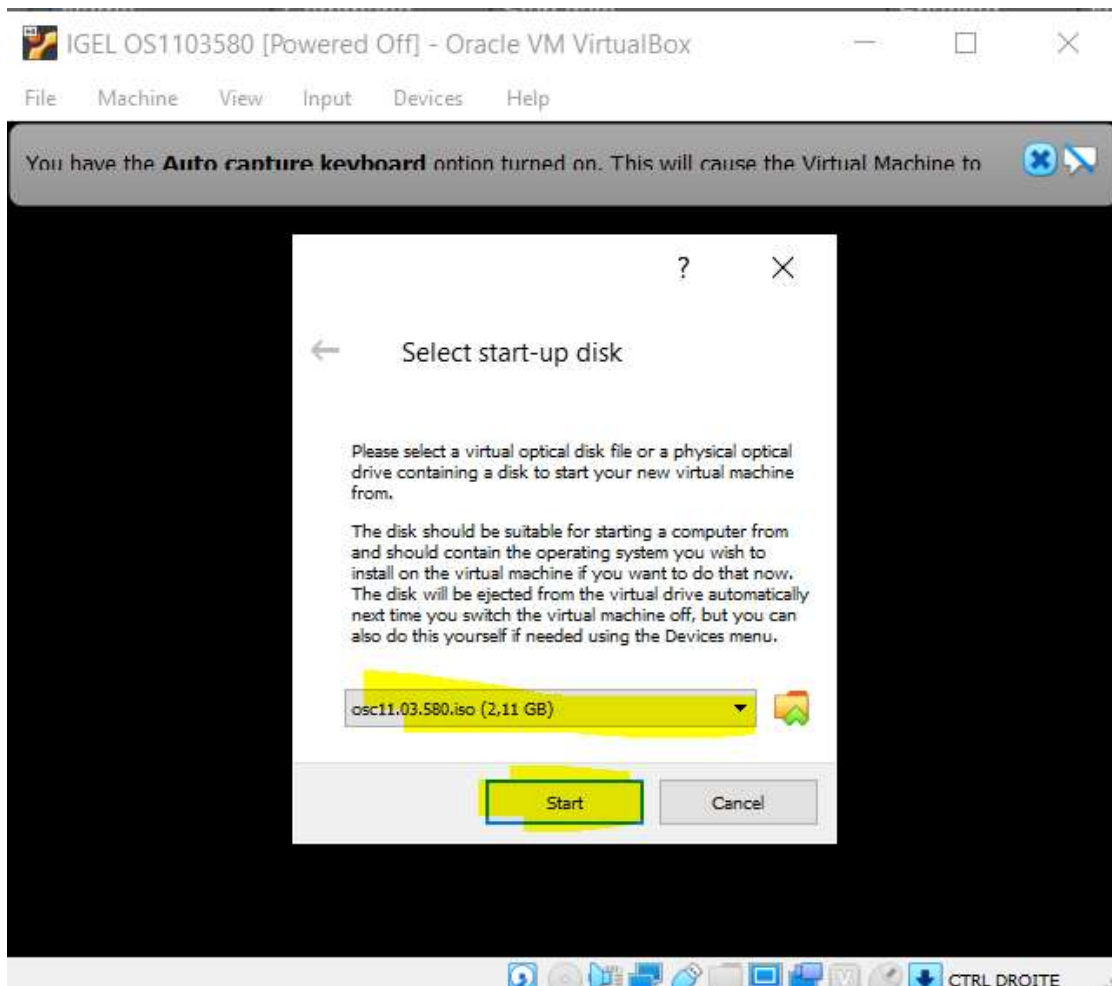


17. Your virtual machine is now created, click on your new machine on the left and click on the “Start” arrow

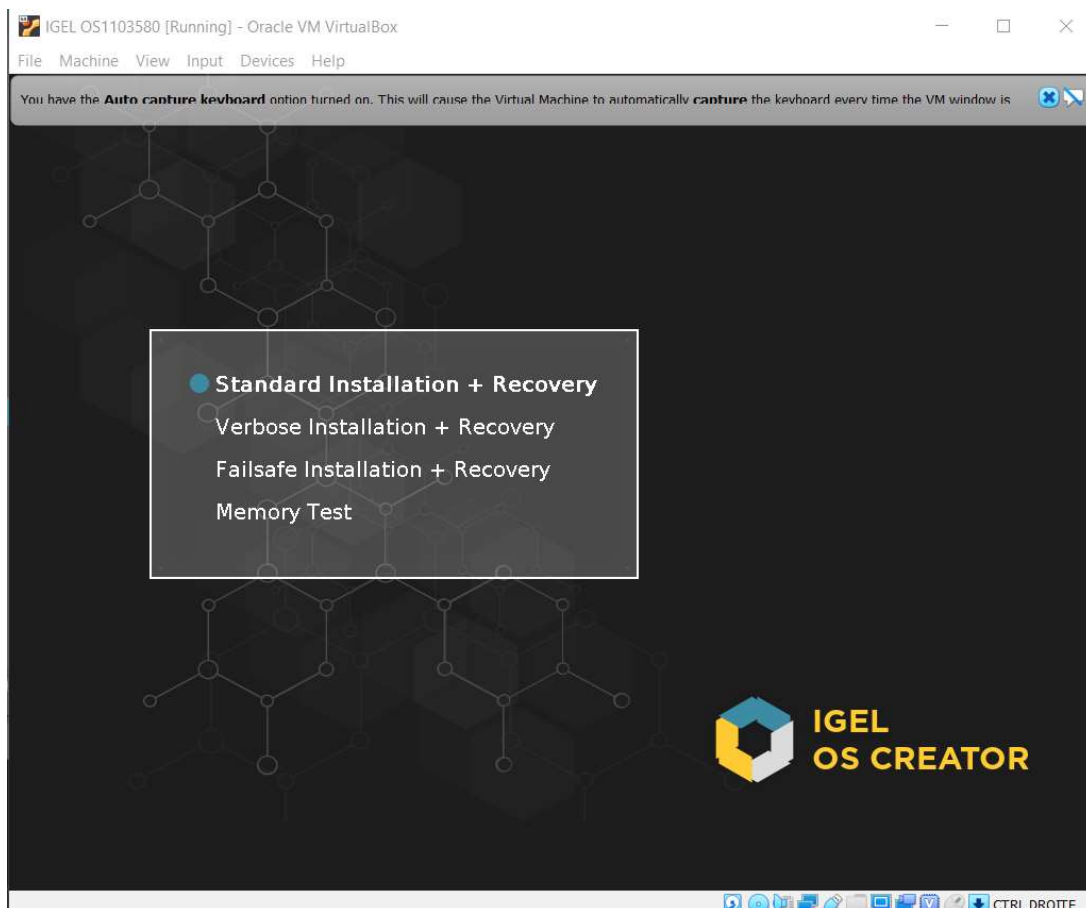


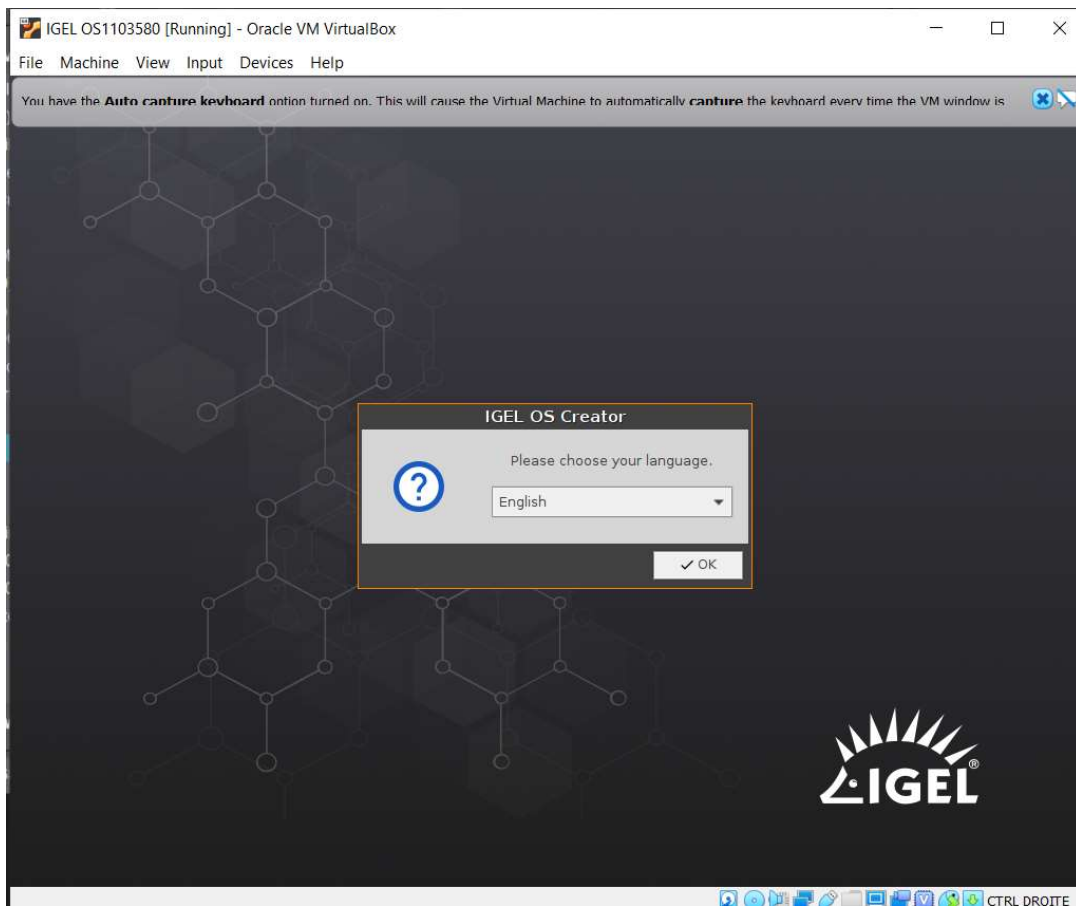
18. The machine boots, use the “folder” icon to navigate to the directory you remembered from step 9 and select the ISO file and click Start



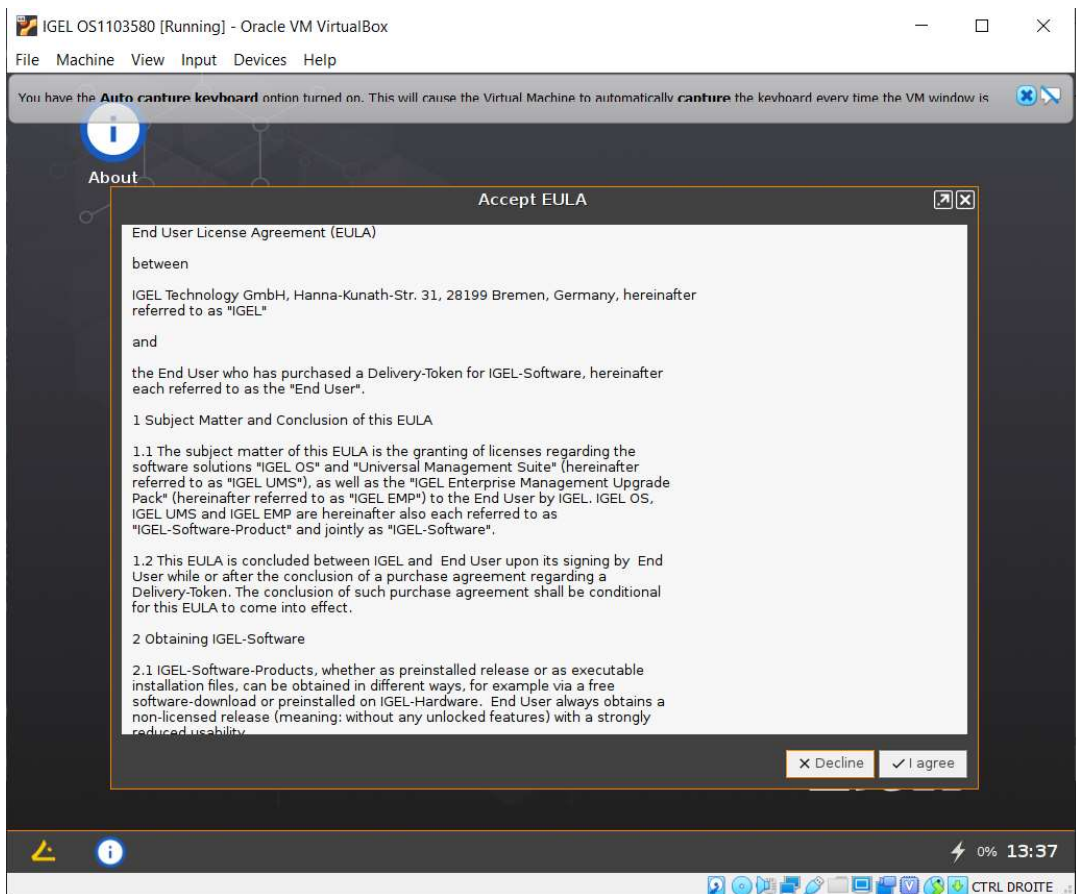


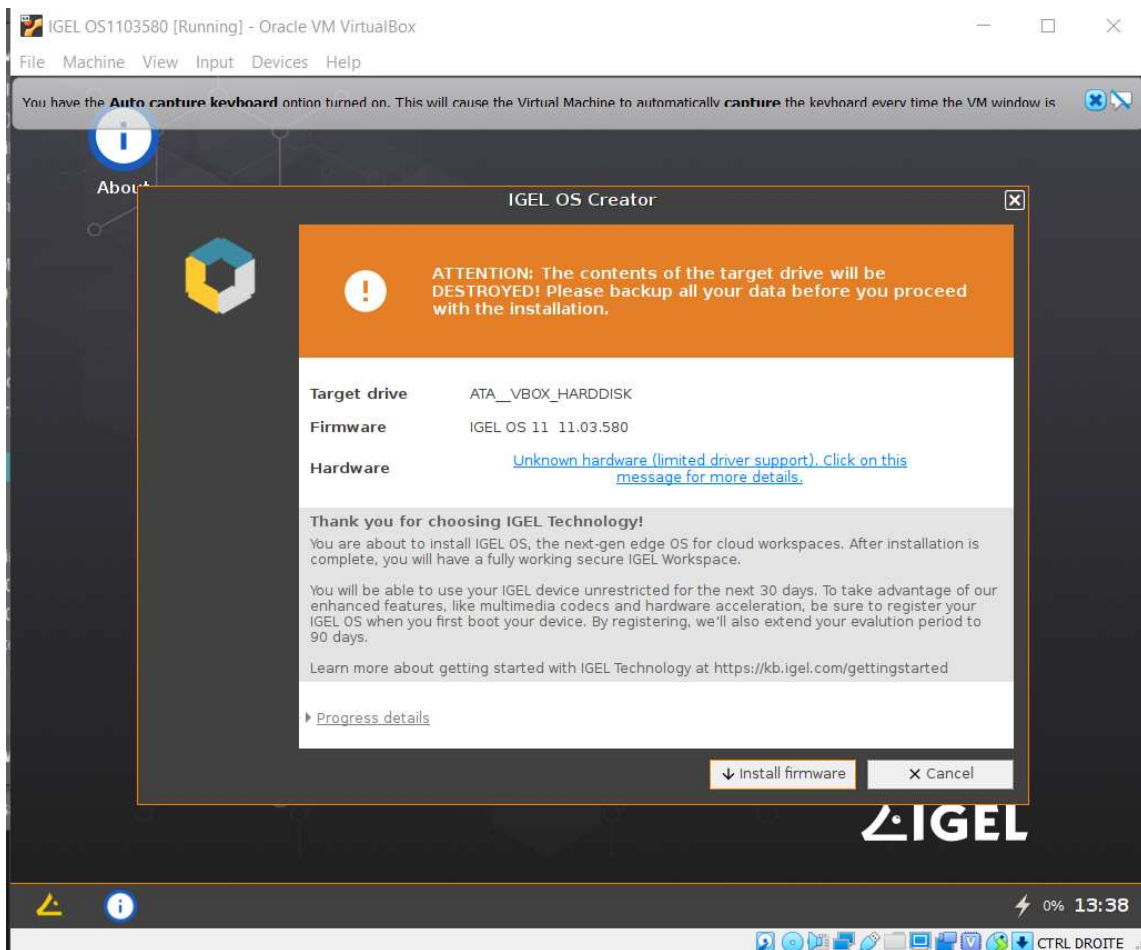
19. Click on the top option (default) "Standard installation and recovery", choose English as language and click OK



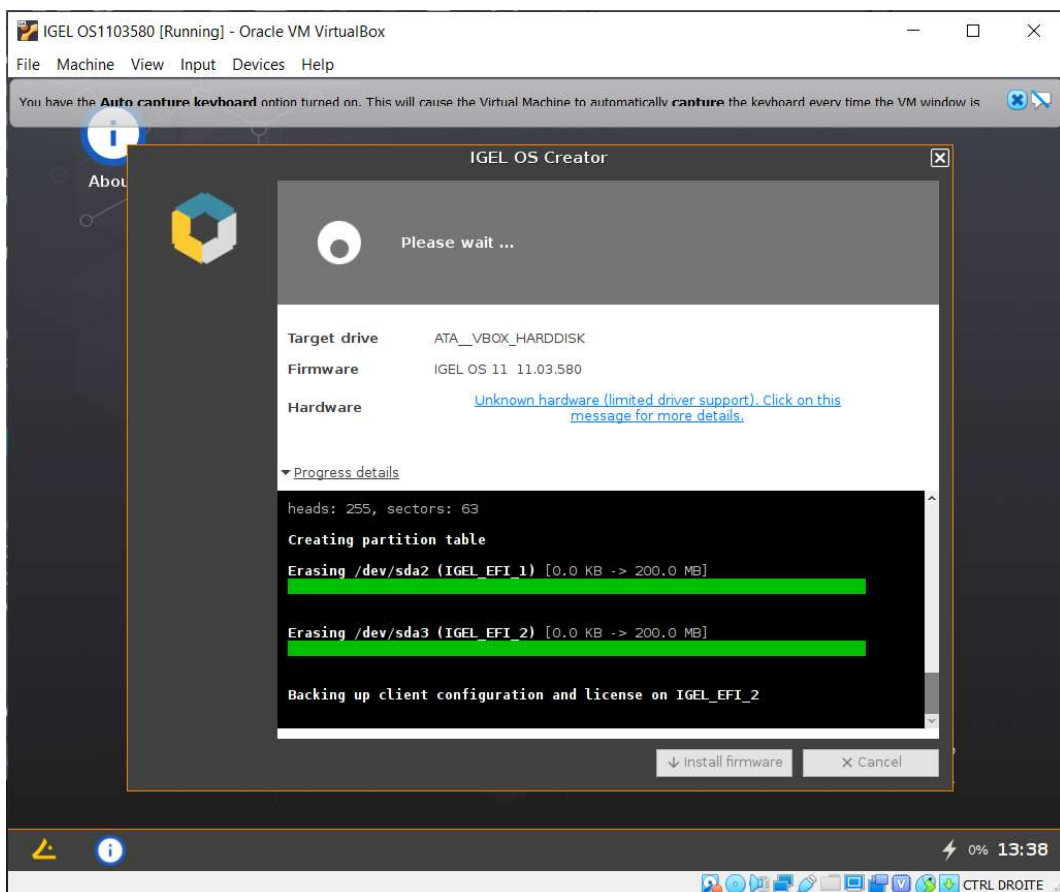


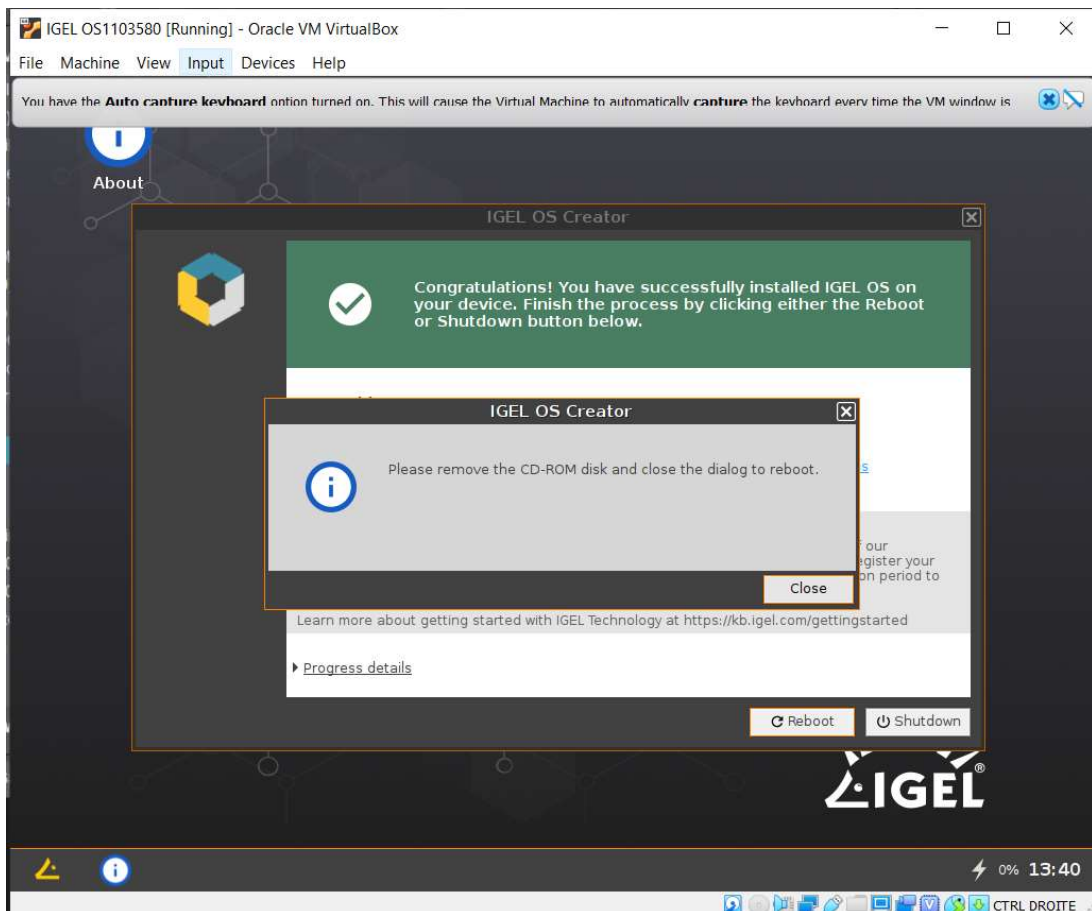
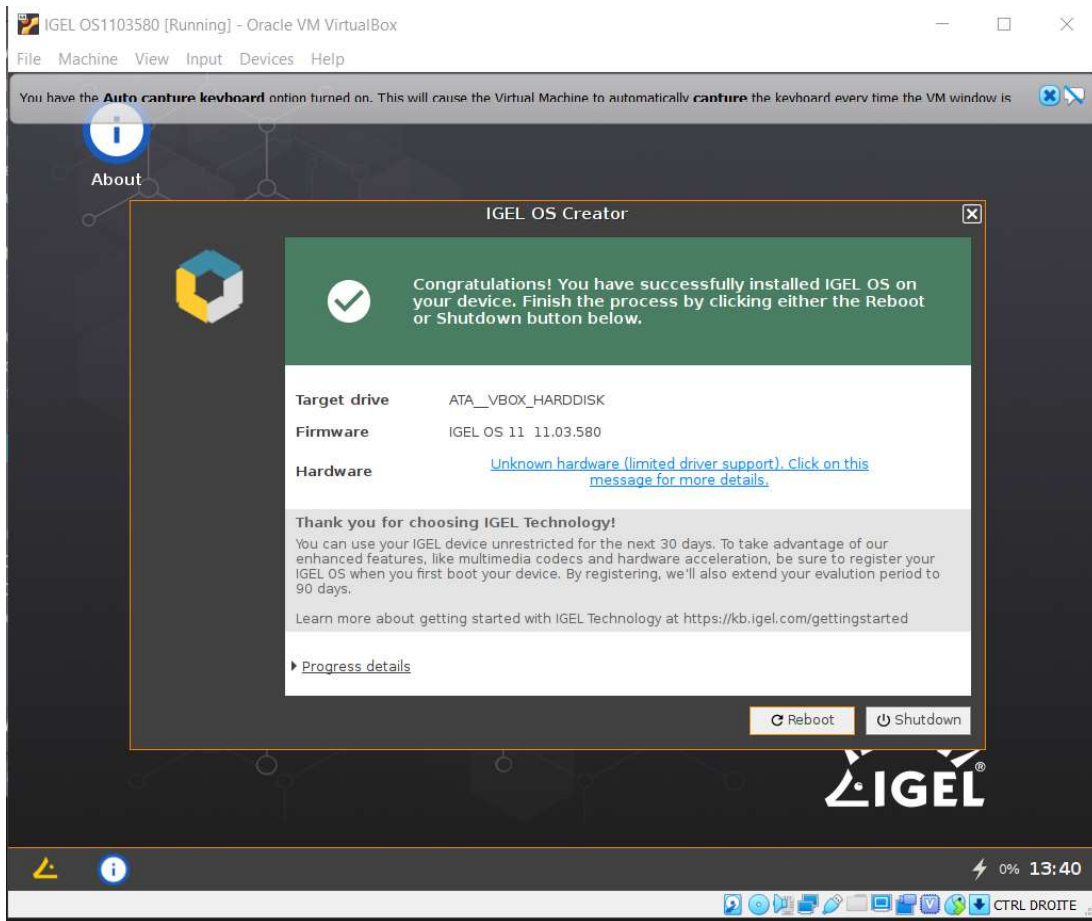
20. Accept the EULA and click on install firmware after you've read the warnings about deleted files 😊



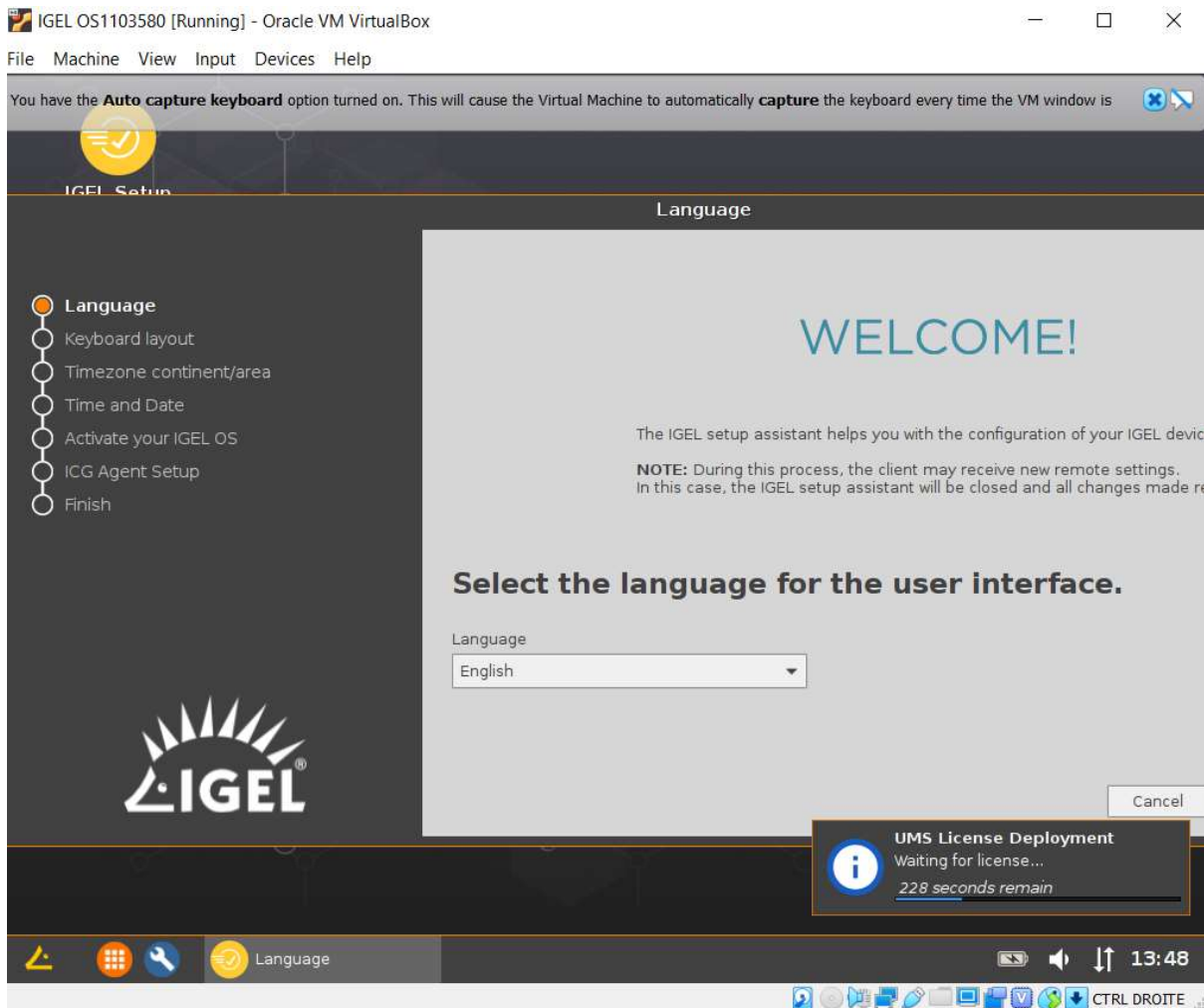


21. Wait for the installation to finish, can take up to a few minutes depending on the speed of your VM and host, click on reboot and close (ignore the CDROM message)





22. After reboot the machine will launch as any new IGEL OS and will guide you through the setup wizard (ignore the UMS license deployment message on the printscreen, should not show in your case).



23. Just follow the instructions during the wizard
- Choose English as language
 - Accept the EULA
 - Choose your keyboard layout -> AZERTY BE = Dutch(Belgium)
 - Choose timezone -> Area = Europe / Location = Brussels
 - Fix date and time, click on apply, then Next
 - Choose to "Register for Demo License"
 - Click on Get Started under "Are you implementing an IGEL solution for your company" and fill out your details, don't forget to accept the terms and conditions
 - Click on "activate your UD Pocket"
 - You should get a message that the license has been fetched
 - Click on Next
 - Skip the Cloud Gateway Agent Setup for now
 - Click Restart