

Manual para la instalación del PyCPT en el SO Windows

Bch. Javier Chiong Ravina

PASOS

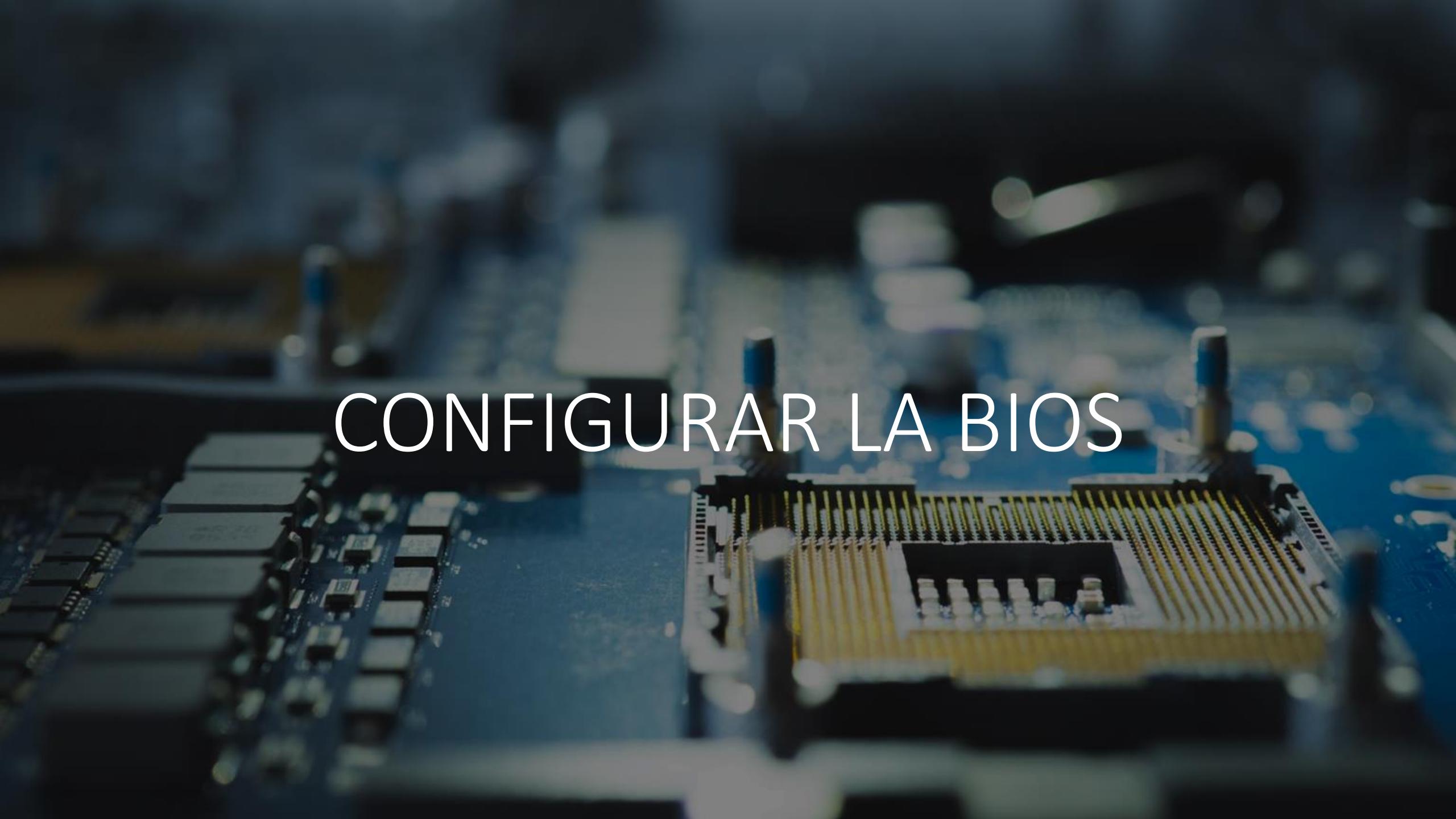
Configuración de la BIOS

Descarga e instalación de VirtualBox

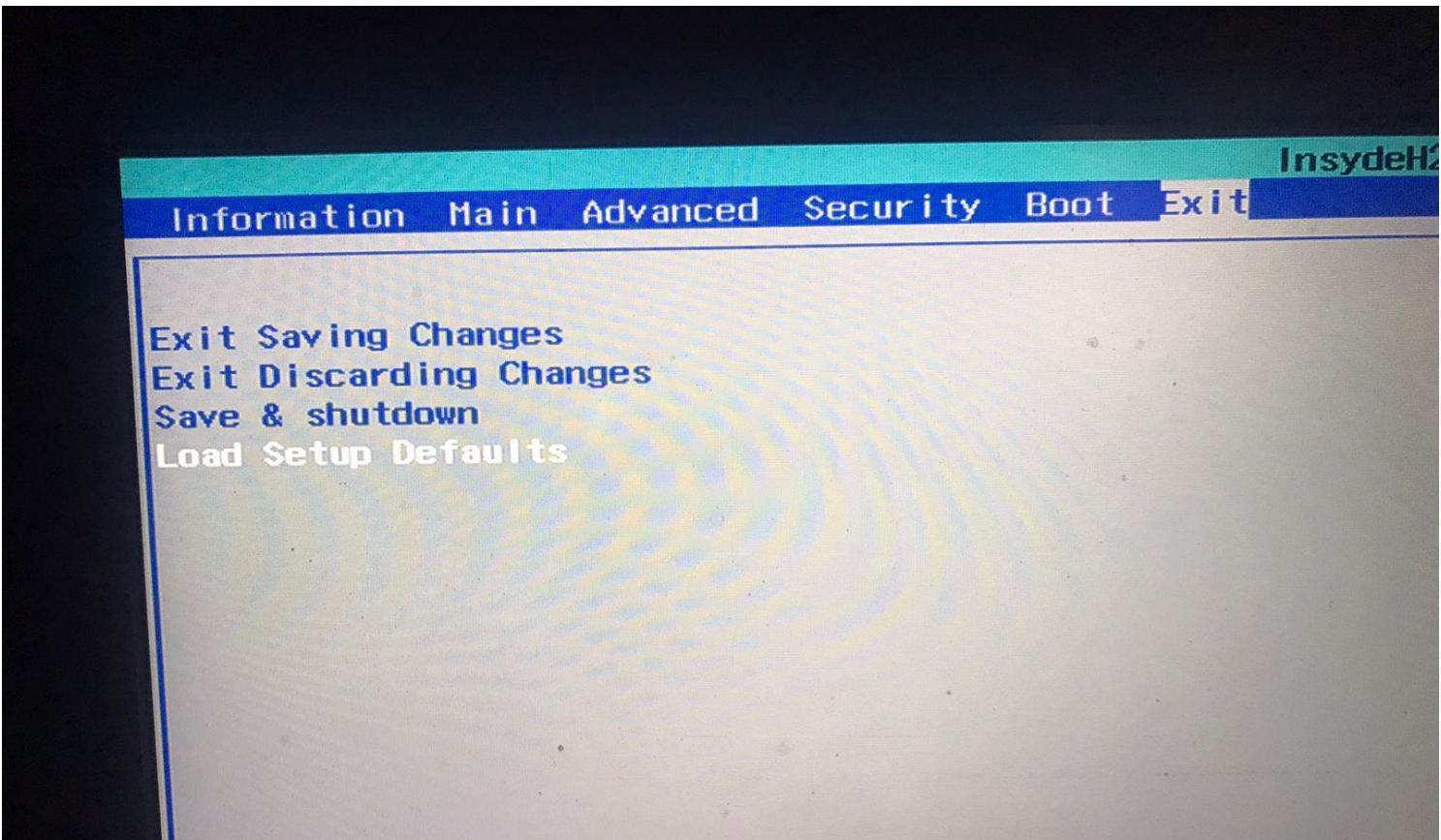
Descarga e instalación de las extensiones de Virtual Box

Instalación del IRI PyCPT Ubuntu

Acceso al script principal de PyCPT



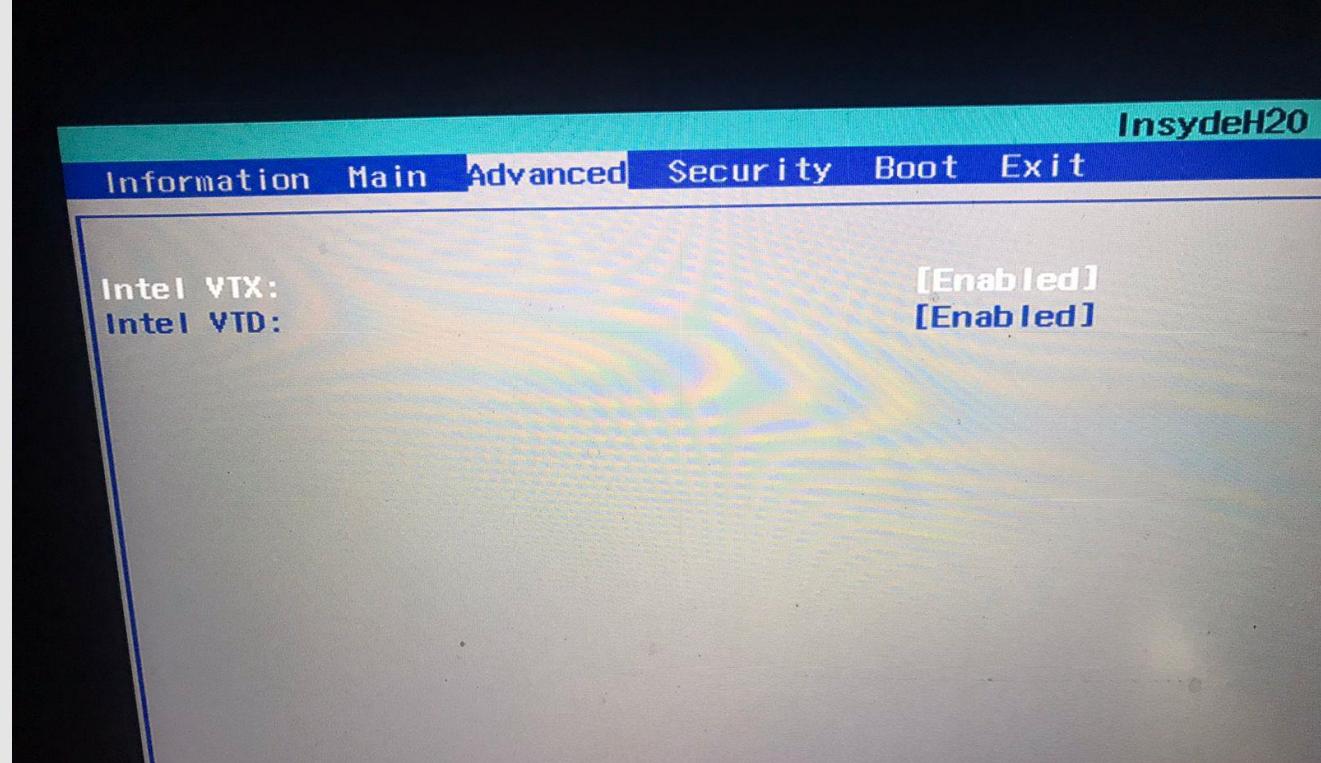
CONFIGURAR LA BIOS



Configuración de la Bios

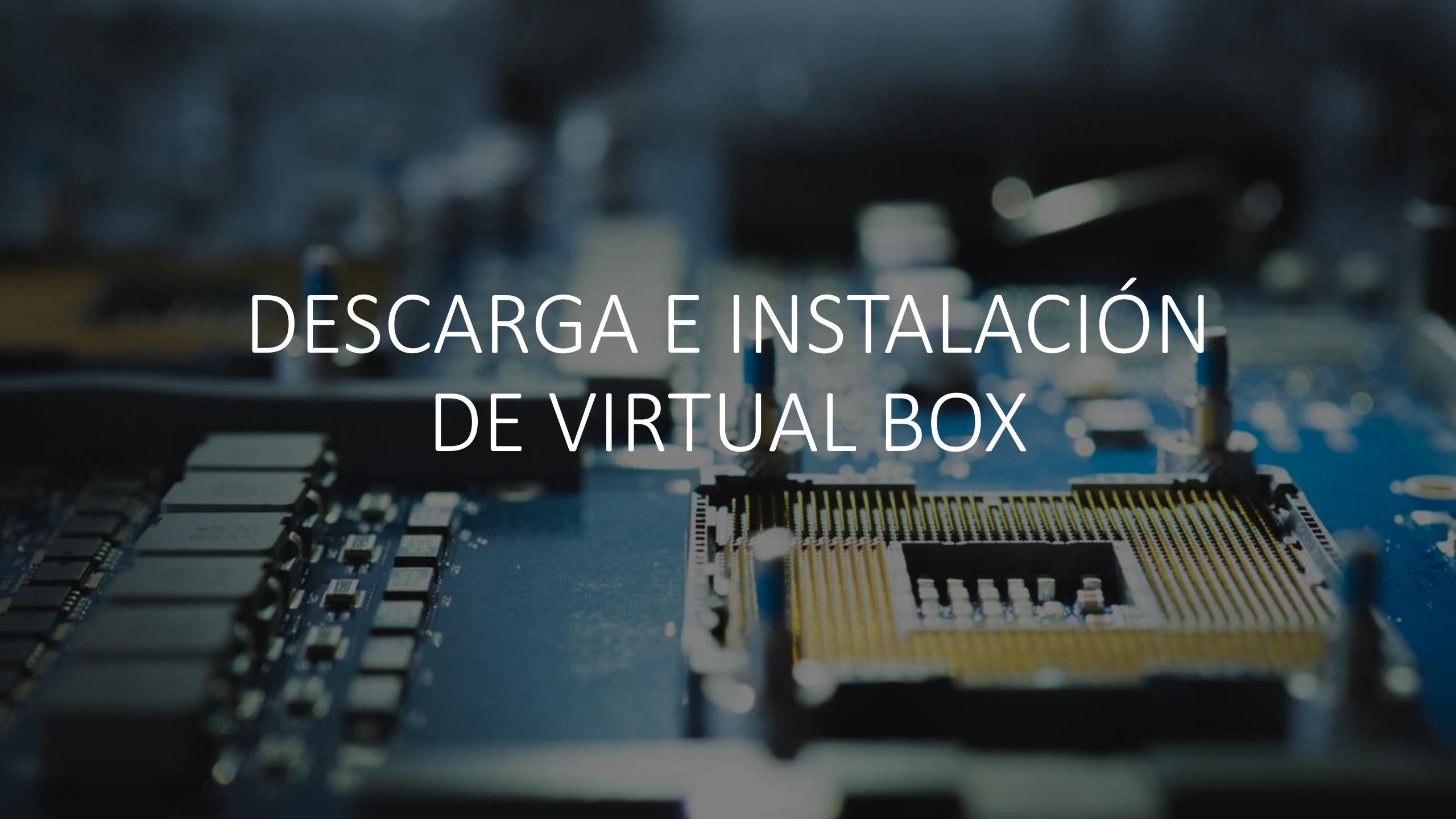
- Reiniciar la computadora
- Acceder a la BIOS (presionar delete/F1/F2 dependiendo del sistema)
- Seleccionar: Restore Defaults, Restore Optimized Defaults o Load Setup Defaults (dependiendo de la Bios) luego seleccionar Save & Exit
- Apagar la computadora

Habilitando las extensiones de virtualización en BIOS

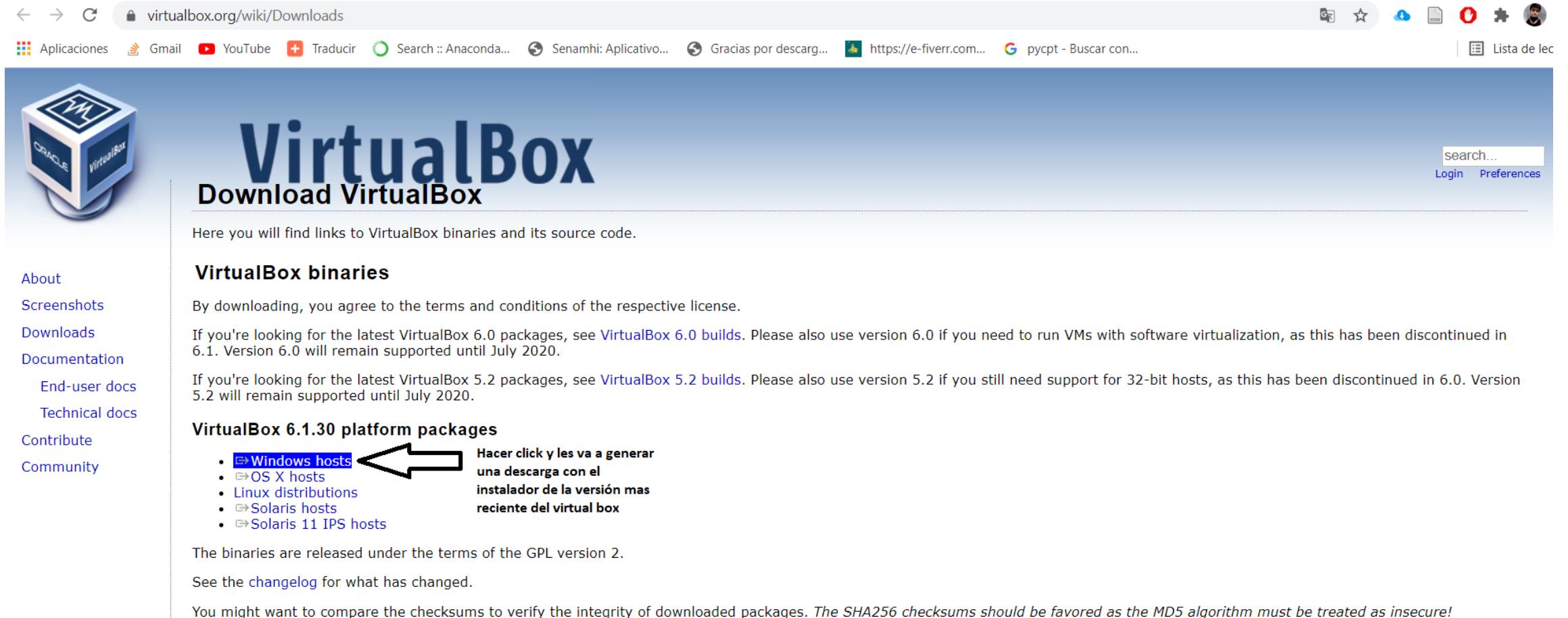


- Encender la computadora e ingresar a la BIOS
- Abrir el menu Processor. Puede estar oculto en la opciones de Chipset, Advanced Configuration CPU, Northbridge
- Activar la opcion Intel Visualization Technology (Intel VT ó AMD-V). Las extensions de virtualizacion pueden estar etiquetas como Virtualization Extensions, Vanderpool, etc. Dependendiendo de la OEM y BIOS.
- Activar Intel VTd o AMD IOMMU, si las opciones estan disponibles.
- Seleccionar Save & Exit
- Apagar la computadora

DESCARGA E INSTALACIÓN DE VIRTUAL BOX



Acceder al link Windows hosts y descargar el archivo del instalador



virtualbox.org/wiki/Downloads

Aplicaciones Gmail YouTube Traducir Search :: Anaconda... Senamhi: Aplicativo... Gracias por descarg... https://e-fiverr.com... pycpt - Buscar con...

Lista de lec

search... Login Preferences

VirtualBox

Download VirtualBox

Here you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

If you're looking for the latest VirtualBox 6.0 packages, see [VirtualBox 6.0 builds](#). Please also use version 6.0 if you need to run VMs with software virtualization, as this has been discontinued in 6.1. Version 6.0 will remain supported until July 2020.

If you're looking for the latest VirtualBox 5.2 packages, see [VirtualBox 5.2 builds](#). Please also use version 5.2 if you still need support for 32-bit hosts, as this has been discontinued in 6.0. Version 5.2 will remain supported until July 2020.

VirtualBox 6.1.30 platform packages

- [Windows hosts](#) 
- [OS X hosts](#)
- [Linux distributions](#)
- [Solaris hosts](#)
- [Solaris 11 IPS hosts](#)

Hacer click y les va a generar una descarga con el instalador de la versión mas reciente del virtual box

The binaries are released under the terms of the GPL version 2.

See the [changelog](#) for what has changed.

You might want to compare the checksums to verify the integrity of downloaded packages. *The SHA256 checksums should be favored as the MD5 algorithm must be treated as insecure!*

Ejecutar el instalador y hacer click en next

← → C bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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Lista de lectura

View History

IRI PyCPT / Windows PyCPT Ubuntu Installation

In order to use PyCPT under Windows, this is the method we recommend. It uses VirtualBox with an Ubuntu installation configured.

Minimum Requirements

Oracle VM VirtualBox 6.1.30 Setup

Welcome to the Oracle VM VirtualBox 6.1.30 Setup Wizard

The Setup Wizard will install Oracle VM VirtualBox 6.1.30 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.

Install Virtual Box

Download VirtualBox

Download the current/latest version of Oracle VM VirtualBox

- Under VirtualBox X
- Under VirtualBox X

Install

Version 6.1.30 Ejecutar el instalador y hacer click en next Next > Cancel



Dar click en next hasta que nos aparezca esta ventana, luego dar click en yes

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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View History

IRI PyCPT / Windows PyCPT Ubuntu Installation

In order to use PyCPT under Windows, this is the method we recommend. It uses VirtualBox with an Ubuntu installation configured.

Minimum Requirements

Oracle VM VirtualBox 6.1.30

Warning:
Network Interfaces

Installing the Oracle VM VirtualBox 6.1.30 Networking feature will reset your network connection and temporarily disconnect you from the network.

Proceed with installation now?

Install Virtual Box

Download Virtual Box

Download the current/latest version of Oracle VM VirtualBox

- Under VirtualBox X
- Under VirtualBox X

Install

Version 6.1.30

Dar click en siguiente hasta que nos aparezca esta ventana. Luego dar click en Yes.

Yes No

• Install the VirtualBox-...-Win.exe
• Install the Extension Pack

Download the IRI PyCPT Ubuntu Installation

The IRI PyCPT Ubuntu comes as an 7.3GB VirtualBox appliance which can be imported into your running VirtualBox system.

From the IRI Google Drive NextGen Folder download *IRI PyCPT Ubuntu 20.04.ova*

Dar click en install para instalar el virtual box

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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View History

IRI PyCPT / Windows PyCPT Ubuntu Installation

In order to use PyCPT under Windows, this is the method we recommend. It uses VirtualBox with an Ubuntu installation configured.

Minimum Requirements

Oracle VM VirtualBox 6.1.30 Setup

Ready to Install

The Setup Wizard is ready to begin the Custom installation.

Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

We at least 50GB free space available on your HD, otherwise you will run into performance issues.

Install Virtual Box

Download Virtual Box

Download the current/latest version of Oracle VM VirtualBox.

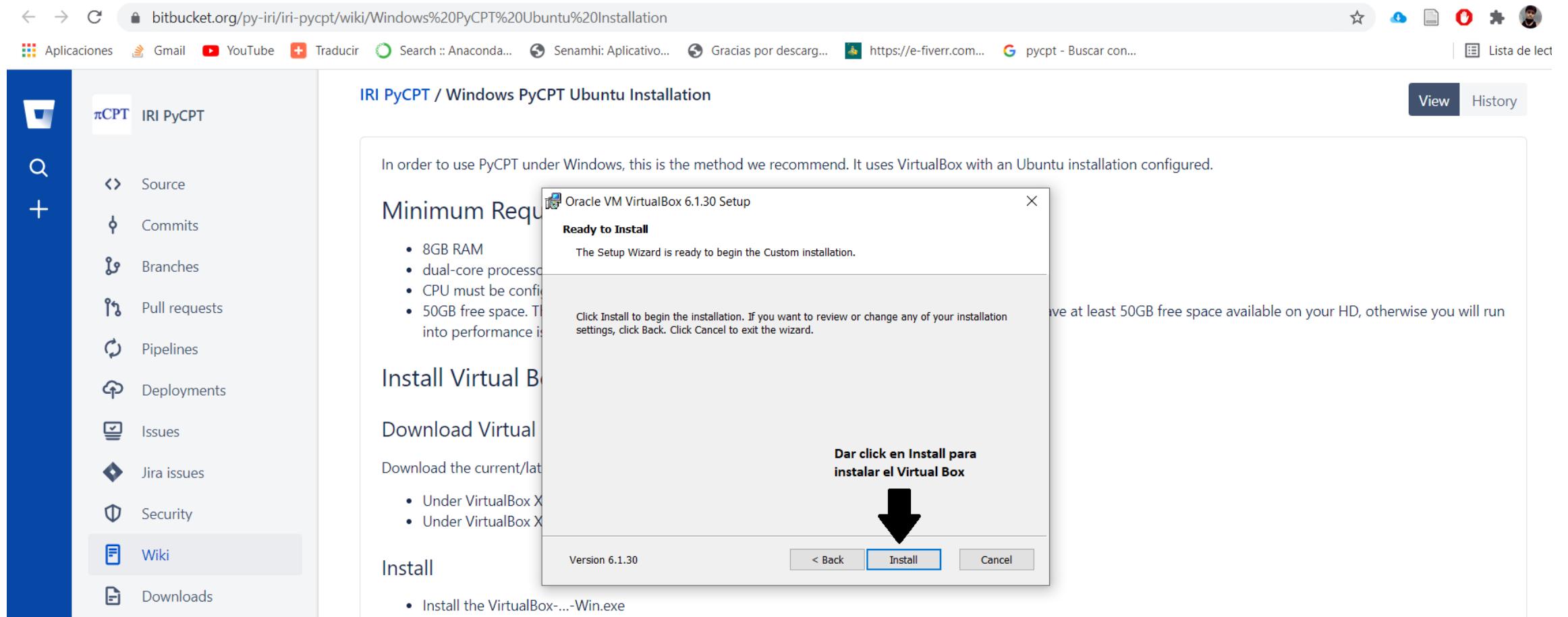
- Under VirtualBox X
- Under VirtualBox X

Install

Version 6.1.30

< Back **Install** Cancel

Dar click en Install para instalar el Virtual Box



Dar click en instalar

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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View History

IRI PyCPT / Windows PyCPT Ubuntu Installation

In order to use PyCPT under Windows, this is the method we recommend. It uses VirtualBox with an Ubuntu installation configured.

Minimum Requirements

- 8GB RAM
- dual-core processor
- CPU must be Celeron or faster
- 50GB free space available on your HD, otherwise you will run into performance issues

Install VirtualBox

Download VirtualBox 6.1.30

Download the current version of Oracle VM VirtualBox 6.1.30

- Under VirtualBox X
- Under VirtualBox X

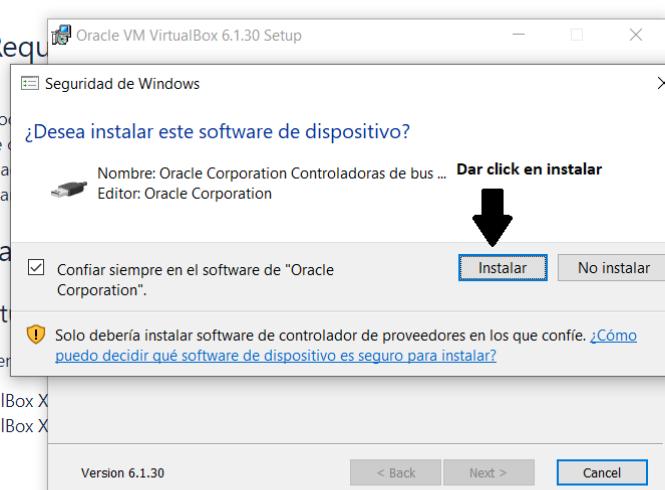
Install

- Install the VirtualBox....-Win.exe
- Install the Extension Pack

Download the IRI PyCPT Ubuntu Installation

The IRI PyCPT Ubuntu comes as an 7.3GB VirtualBox appliance which can be imported into your running VirtualBox system.

From the [IRI Google Drive NextGen Folder](#) download [IRI PyCPT Ubuntu 20.04.ova](#)



Dar click en Finish

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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Lista de lec

View History

In order to use PyCPT under Windows, this is the method we recommend. It uses VirtualBox with an Ubuntu installation configured.

Minimum Requirements

Oracle VM VirtualBox 6.1.30 Setup

Oracle VM VirtualBox 6.1.30 installation is complete.

Click the Finish button to exit the Setup Wizard.

Start Oracle VM VirtualBox 6.1.30 after installation

Install Virtual Box

Download VirtualBox

Download the current/latest version of Oracle VM VirtualBox

- Under VirtualBox X
- Under VirtualBox X

Install

Version 6.1.30

< Back Finish Cancel

Dar click en finish



DESCARGA E INSTALACIÓN DE LAS EXTENSIONES DE VIRTUAL BOX



Dar click al enlace en azul para descargar el instalador de los complementos de la extensión del Virtual Box

The binaries are released under the terms of the GPL version 2.
See the [changelog](#) for what has changed.
You might want to compare the checksums to verify the integrity of downloaded packages. *The SHA256 checksums should be favored as the MD5 algorithm must be treated as insecure!*

- [SHA256 checksums](#), [MD5 checksums](#)

Note: After upgrading VirtualBox it is recommended to upgrade the guest additions as well.

VirtualBox 6.1.30 Oracle VM VirtualBox Extension Pack

- [All supported platforms](#)  Dar click al enlace

Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP, disk encryption, NVMe and PXE boot for Intel cards. See [this chapter from the User Manual](#) for an introduction to this Extension Pack. The Extension Pack binaries are released under the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#). Please install the same version extension pack as your installed version of VirtualBox.

VirtualBox 6.1.30 Software Developer Kit (SDK)

- [All platforms](#)

User Manual

The VirtualBox User Manual is included in the VirtualBox packages above. If, however, you would like to take a look at it without having to install the whole thing, you also access it here:

- [User Manual \(HTML version\)](#)

You may also like to take a look at our [frequently asked questions list](#).

VirtualBox older builds

The binaries in this section for VirtualBox before version 4.0 are all released under the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#). As of VirtualBox 4.0, the Extension Pack is released under the VirtualBox Personal Use and Evaluation License and the other packages are released under the terms of the GPL version 2. By downloading, you agree to the terms and conditions of the respective license.

- [VirtualBox older builds](#)

Ejecutar el instalador e instalar las extensiones del Virtual Box

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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Lista de lectura

Minimum Requirements

- 8GB RAM
- dual-core processor
- CPU must be configured with Virtualization enabled instructions

Oracle VM VirtualBox Administrador

Archivo Máquina Ayuda

Herramientas

Preferencias Importar Exportar Nueva Añadir

IRI PyCPT Ubuntu 20.04 Apagada

VirtualBox - Pregunta

Está a punto de instalar un paquete de extensión de VirtualBox. Los paquetes de extensión complementan la funcionalidad de VirtualBox y pueden contener software a nivel de sistema que puede ser potencialmente dañino para su sistema. Revise la descripción y proceda solo si ha obtenido el paquete de extensión de una fuente de confianza.

Nombre: Oracle VM VirtualBox Extension Pack
Versión: 6.1.30r148432
Descripción: Oracle Cloud Infrastructure integration, USB 2.0 and USB 3.0 Host Controller, Host Webcam, VirtualBox RDP, PXE ROM, Disk Encryption, NVMe.

Instalar Cancelar

Hacer click en Instalar

Import the Appliance

In the running VirtualBox application, select File->Import Appliance * select Local File System * Use the File box to locate the OVA file that you downloaded previously.

You will be prompted for the resources you want to allocate from your computer. Do not use more than 1/2 of your total memory and not more than 1/2 of your available cores.

Dar click en aceptar para finalizar la instalación

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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Lista de lectu

Minimum Requirements

- 8GB RAM
- dual-core processor
- CPU must be configured with Virtualization enabled [instructions](#)

Oracle VM VirtualBox Administrador

Archivo Máquina Ayuda

Herramientas

IRI PyCPT Ubuntu 20.04 Apagada

Bienvenido a VirtualBox!

La parte izquierda de esta ventana contiene herramientas globales y una lista de todas las máquinas virtuales que has creado en su sistema. Puedes crear nuevas máquinas virtuales en su sistema. Para ello, haz clic en el elemento "Nuevo" de la barra de herramientas o presiona la tecla F1 para obtener más información.

VirtualBox - Información

El paquete de extensión Oracle VM VirtualBox Extension Pack se ha instalado correctamente.

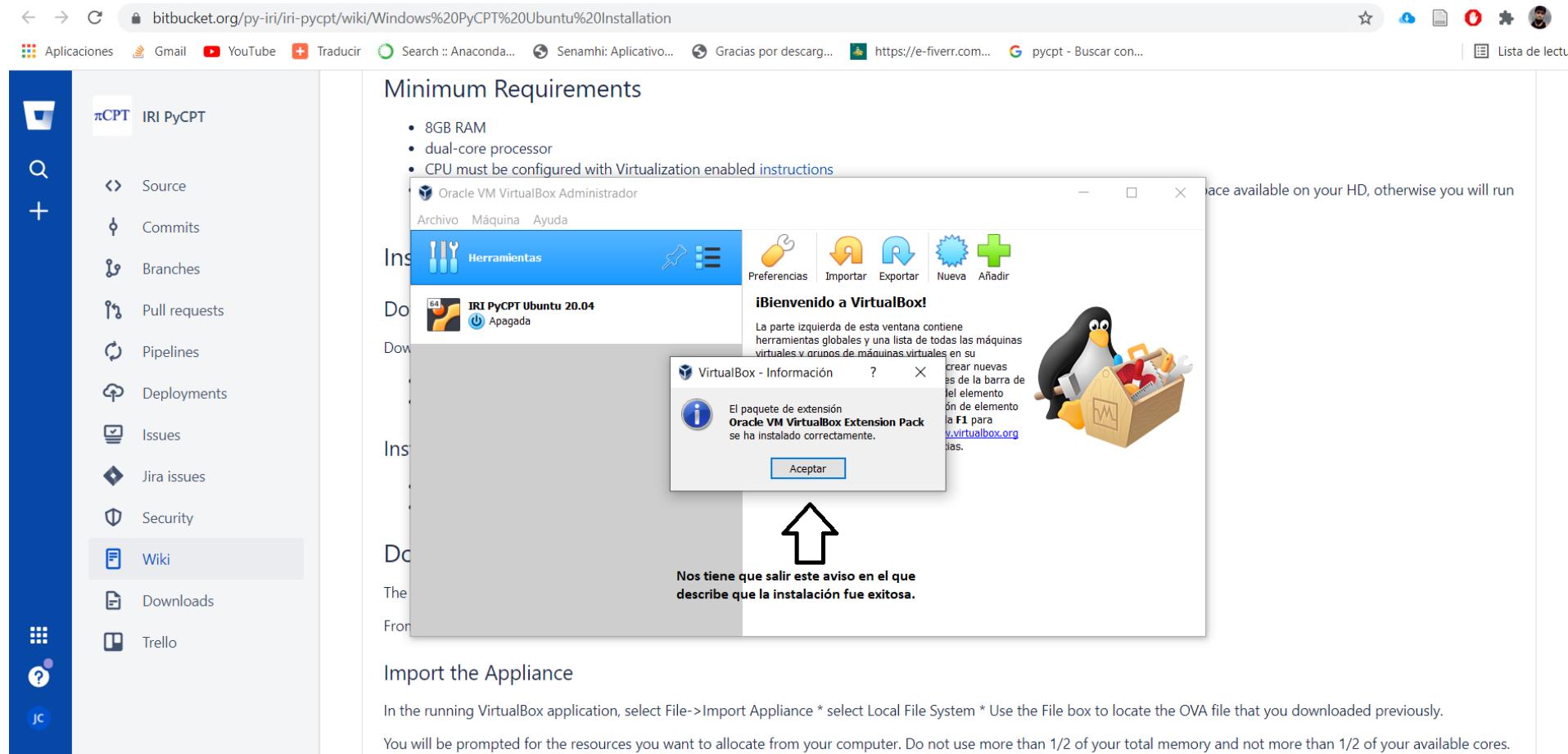
Aceptar

Nos tiene que salir este aviso en el que describe que la instalación fue exitosa.

Import the Appliance

In the running VirtualBox application, select File->Import Appliance * select Local File System * Use the File box to locate the OVA file that you downloaded previously.

You will be prompted for the resources you want to allocate from your computer. Do not use more than 1/2 of your total memory and not more than 1/2 of your available cores.



INSTALACIÓN DEL IRI PYCPT UBUNTU

Dar click en el enlace que nos llevara a descargar el instalador del Iri PyCPT

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

Aplicaciones Gmail YouTube Traducir Search :: Anaconda... Senamhi: Aplicativo... Gracias por descarg... https://e-fiverr.com... pycpt - Buscar con...

Lista de lec

IRI PyCPT

- Source
- Commits
- Branches
- Pull requests
- Pipelines
- Deployments
- Issues
- Jira issues
- Security
- Wiki

Install Virtual Box

Download Virtual Box

Download the current/latest version of VirtualBox for your computer from [VirtualBox](#)

- Under VirtualBox X.X.XX platform packages: select the appropriate package: **Windows hosts**
- Under VirtualBox X.X.XX Oracle VM VirtualBox Extension Pack, select: **All supported platforms**

Install

- Install the VirtualBox-...-Win.exe
- Install the Extension Pack

Download the IRI PyCPT Ubuntu Installation

The IRI PyCPT Ubuntu comes as an 7.3GB VirtualBox appliance which can be imported into your running VirtualBox system.

From the [IRI Google Drive NextGen Folder](#) download *IRI PyCPT Ubuntu 20.04.ova*

Dar click en el enlace azul que nos llevara al instalador del Iri Pycpt en google drive

El enlace nos lleva a un drive en donde vamos a poder descargar el archivo

The screenshot shows a Google Drive interface. On the left is a sidebar with navigation links like 'Nuevo', 'Mi unidad', 'Ordenadores', etc. The main area shows a folder named 'Compartido conmigo > NextGen'. Inside this folder, there is a file named 'IRI PyCPT Ubuntu 20.04.ova'. A context menu is open over this file, with the 'Descargar' (Download) option highlighted at the bottom. A large black arrow points from the text 'Hacer click en Descargar en el archivo IRI PyCPT' to the 'Descargar' button in the menu. To the right of the file listing, there is a detailed view panel showing file properties: 'Propietario: Jeffrey Turmelle', 'Última modificación: 27 oct 2021', 'Tamaño de archivo: 6,99 GB', and a 'Detalles' tab showing access rights.

Drive

Buscar en Drive

Nuevo

Mi unidad

Ordenadores

Compartido conmigo

Reciente

Destacados

Papelera

Almacenamiento

5,17 GB de 15 GB usado

Comprar espacio

Compartido conmigo > NextGen

Nombre ↑

Vista previa

Abrir con

Compartir

Obtener enlace

Mostrar ubicación del archivo

Añadir acceso directo a Drive

Mover a

Añadir a Destacados

Cambiar nombre

Hacer una copia

Notificar uso inadecuado

Bloquear jefft@iri.columbia.edu

Descargar

Hacer click en Descargar en el archivo IRI PyCPT

Propietario: Jeffrey Turmelle

Última modificación: 27 oct 2021

Tamaño de archivo: 6,99 GB

Jeffrey Turmelle

5 nov 2021

IRI PyCPT Ubuntu 20.04.ova

Detalles

Actividad

Quién tiene acceso

Propiedades del sistema

Tipo: Archivo comprimido

Tamaño: 6,99 GB

Almacenamiento: 6,99 GB Propiedad de IRI, Columbia University

Ubicación: NextGen

Una vez descargado el Iri PyCPT ejecutamos el virtual box y damos click en Importar

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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Lista de lectu

The IRI PyCPT Ubuntu comes as an 7.3GB VirtualBox appliance which can be imported into your running VirtualBox system.

From the IRI Google Drive NextGen Folder download [IRI PyCPT Ubuntu 20.04.ova](#)

Import the Appliance

In the running VirtualBox application, select File->Import Appliance * select Local File System * Use the File box to locate the OVA file that you downloaded previously.

You will be prompted for the resources you want to allocate from your computer. Do not use more than 1/2 of your total memory and not more than 1/2 of your available cores. 4096MB should be enough RAM.

Start the new Appliance

Login: iri
Password: monell

Hacer click en Importar

Install the Guest OS

While the Ubuntu Virtual Machine boots up, you will see the following screen:

This should immediately appear:

Once installed, you will see the following screen:

Ubuntu 20.04 LTS

- CPT Source Code
- Python Anaconda
- CPT 16.5.8 is bu
- CPT 16.5.9 is bu
- CPT 17.5.1 is ins
- CPT 17.5.2 is ins
- CPT_BIN_DIR is

Add a shared folder

Hacer click en Importar

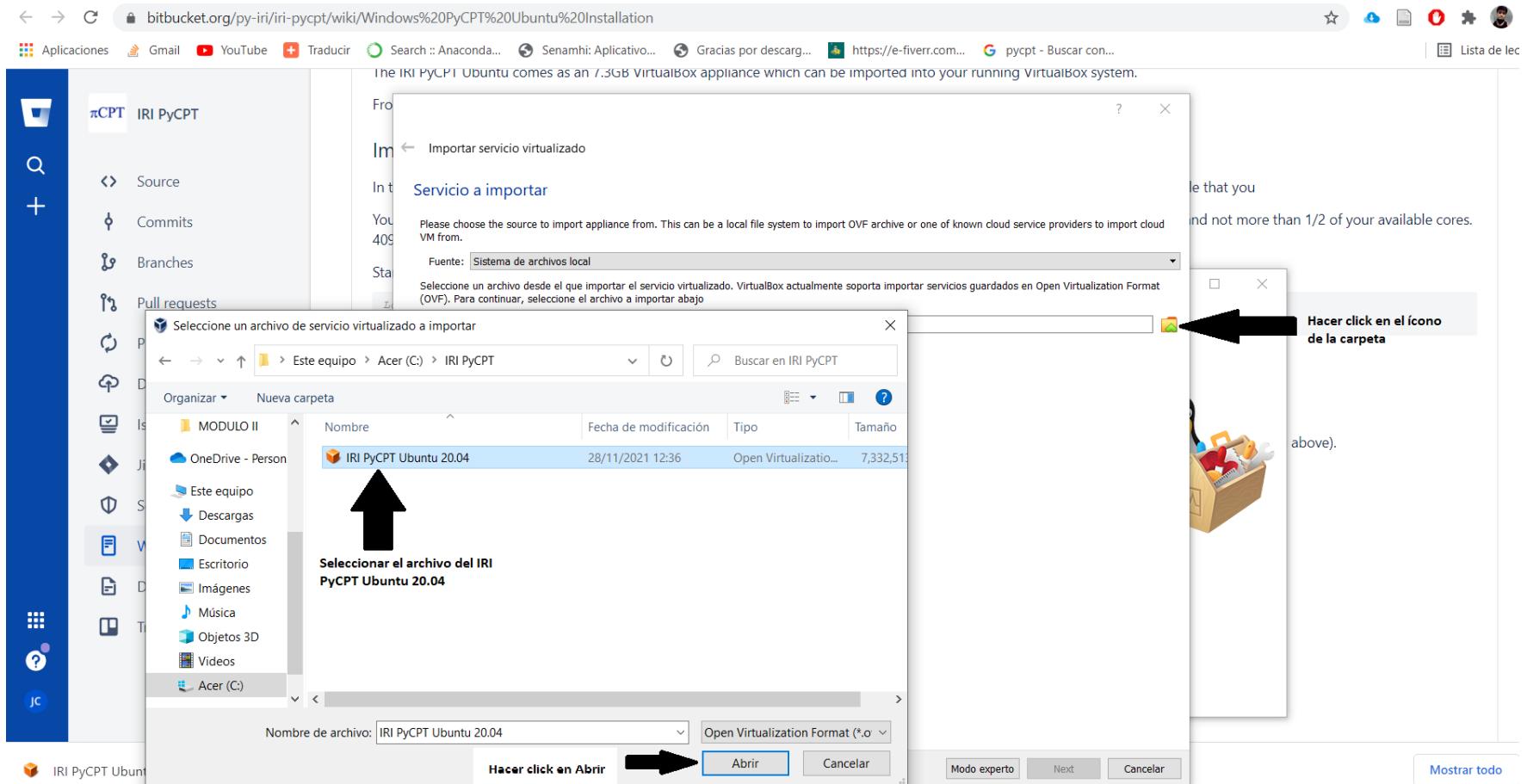
Importar servicio virtualizado (Ctrl+I)

iBienvenido a virtualbox!

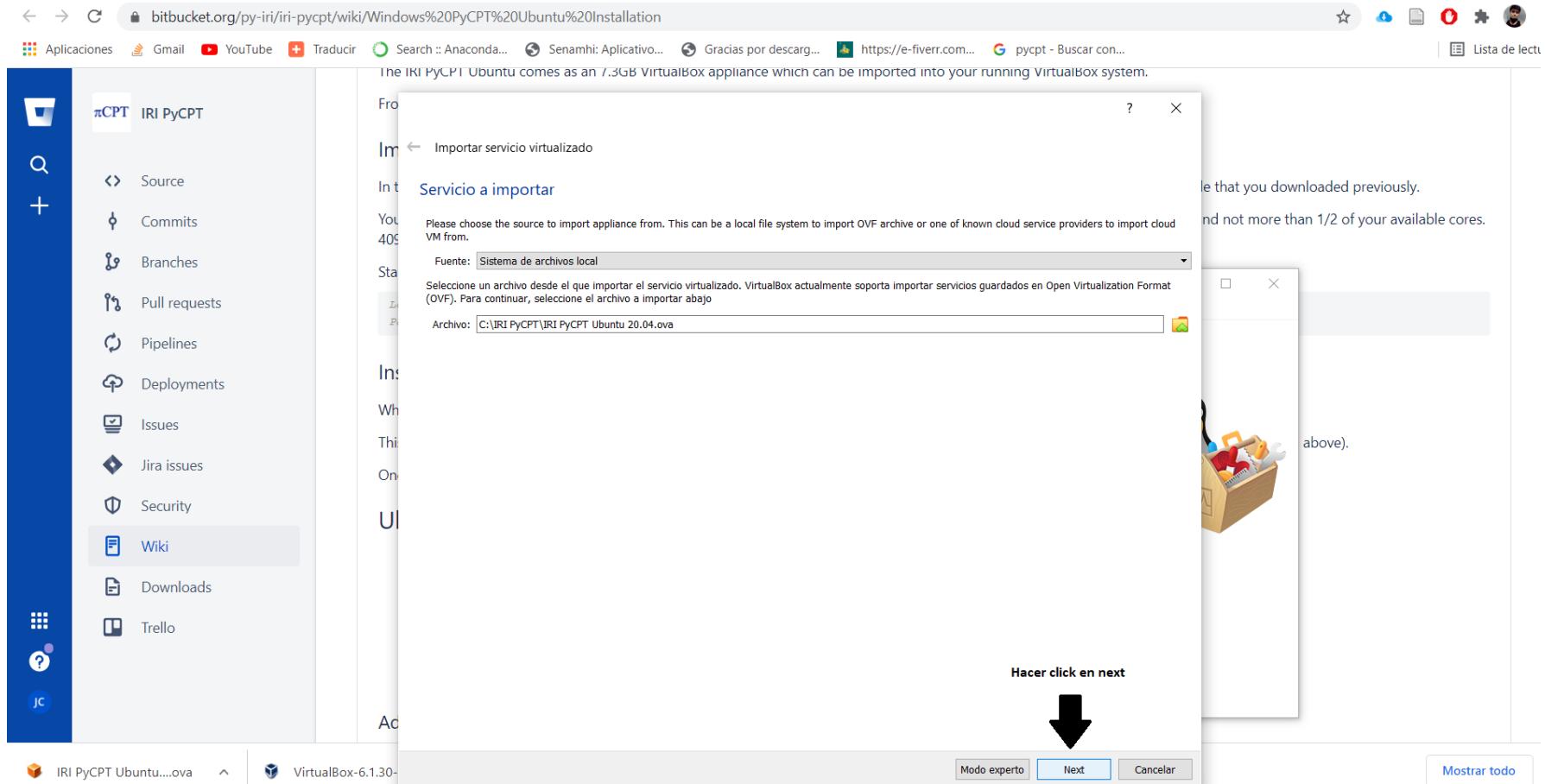
La parte izquierda de esta ventana contiene herramientas globales y una lista de todas las máquinas virtuales y grupos de máquinas virtuales en su computadora. Puede importar, añadir y crear nuevas MVs usando los botones correspondientes de la barra de herramientas. Puede abrir un «popup» del elemento seleccionado actualmente usando el botón de elemento correspondiente. Puede presionar la tecla F1 para obtener ayuda instantánea o visitar [www.virtualbox.org](#) para más información y las últimas noticias.



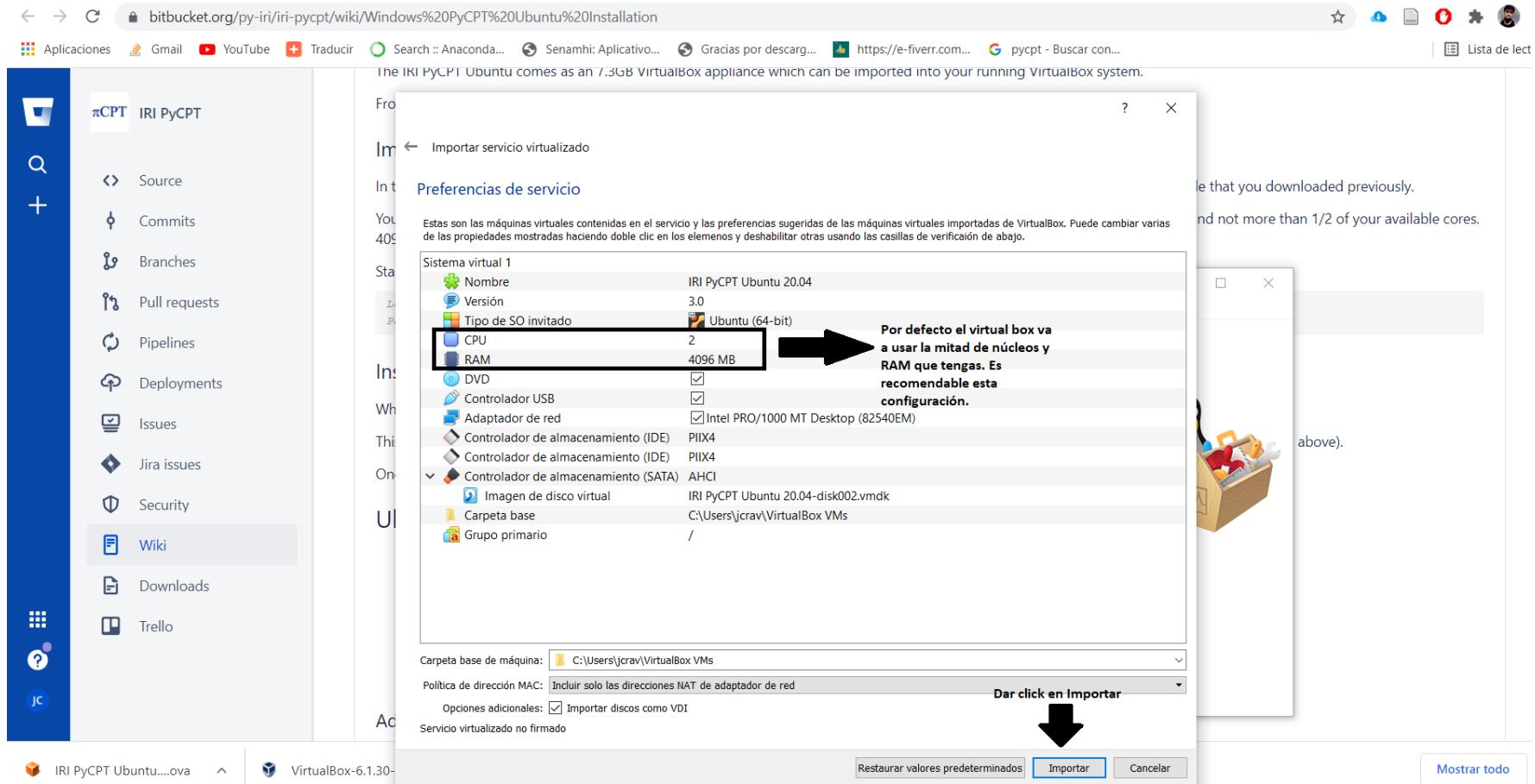
Hacemos click en el icono de la carpeta y seleccionamos el archivo IRI PyCPTP que nos descargamos. Finalmente damos click en abrir.



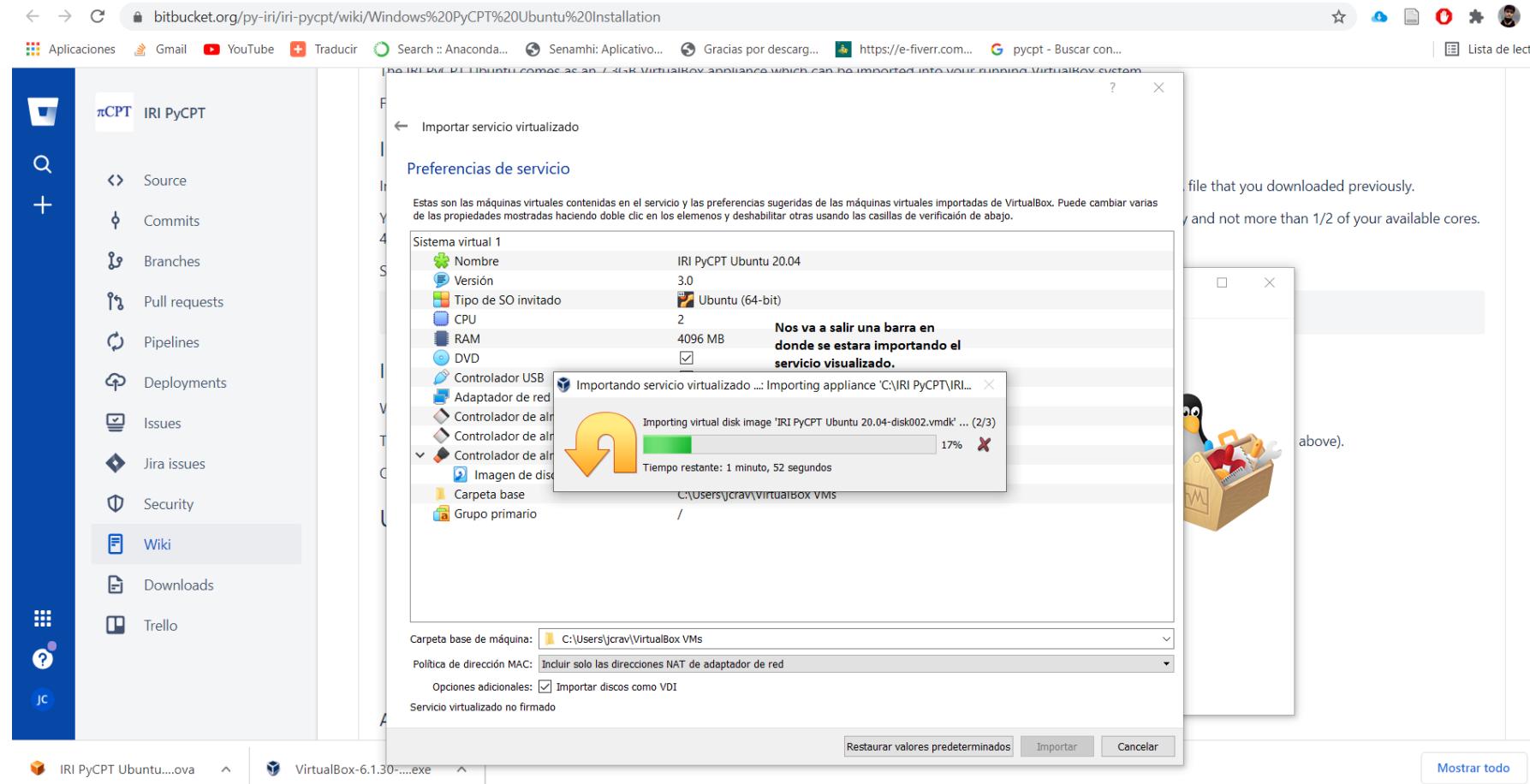
Hacemos click en next



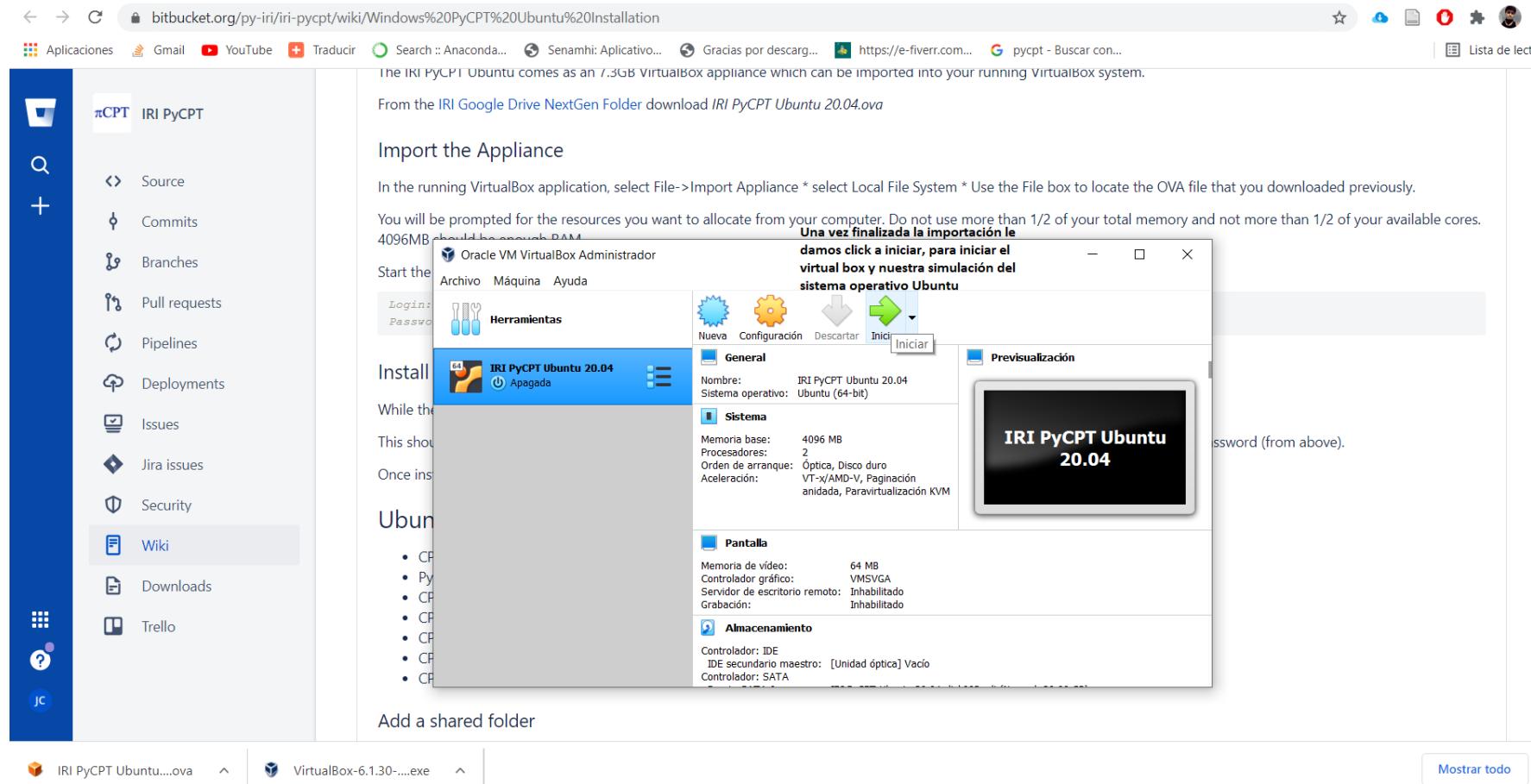
Por defecto el virtual box va a usar la mitad de nucleos y memoria RAM que posee tu PC. Se recomienda dejar la configuración. Dar click en importar



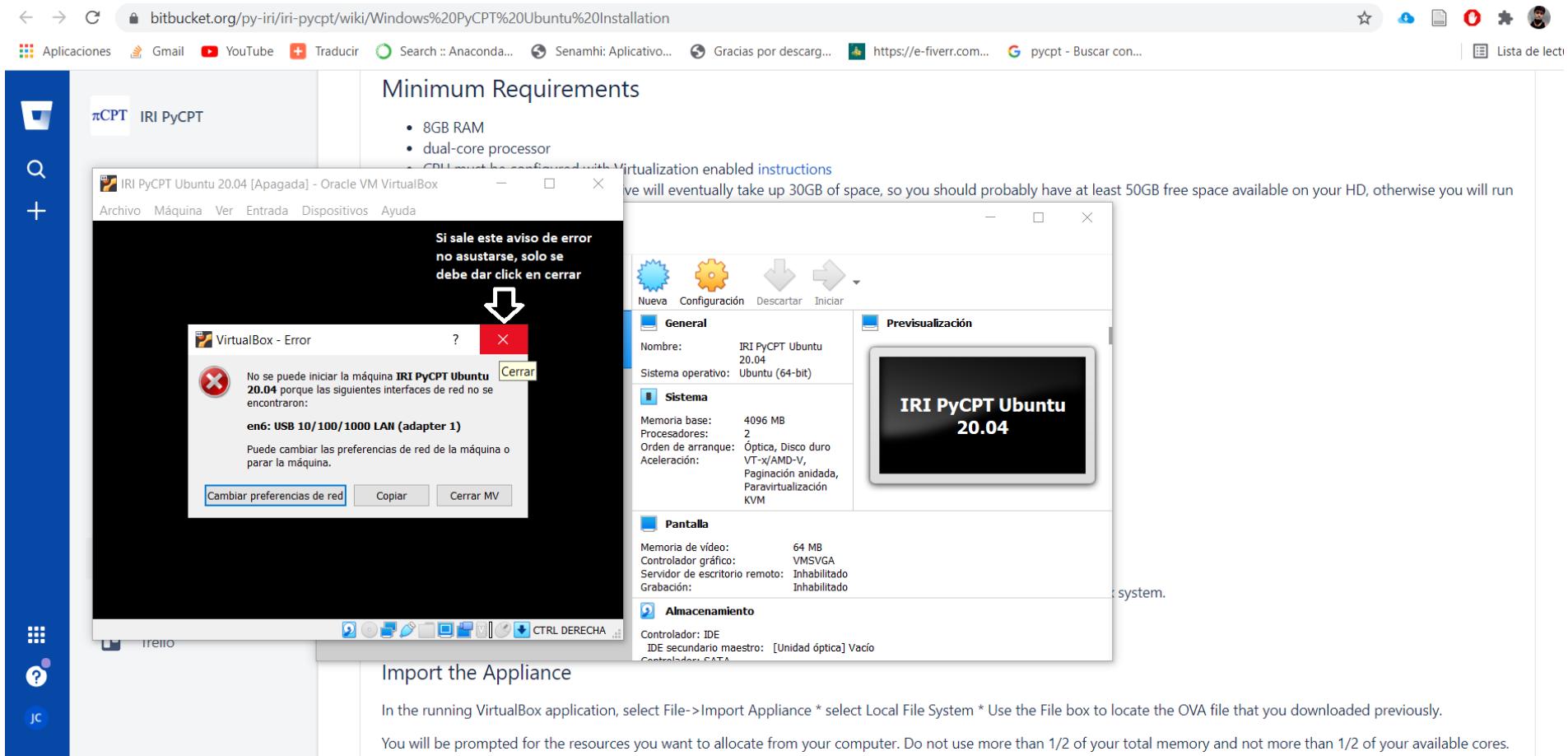
Nos saldra esta barra en donde se estara importando el IRI PyCPT en el Virtual Box. Esperamos a que cargue.



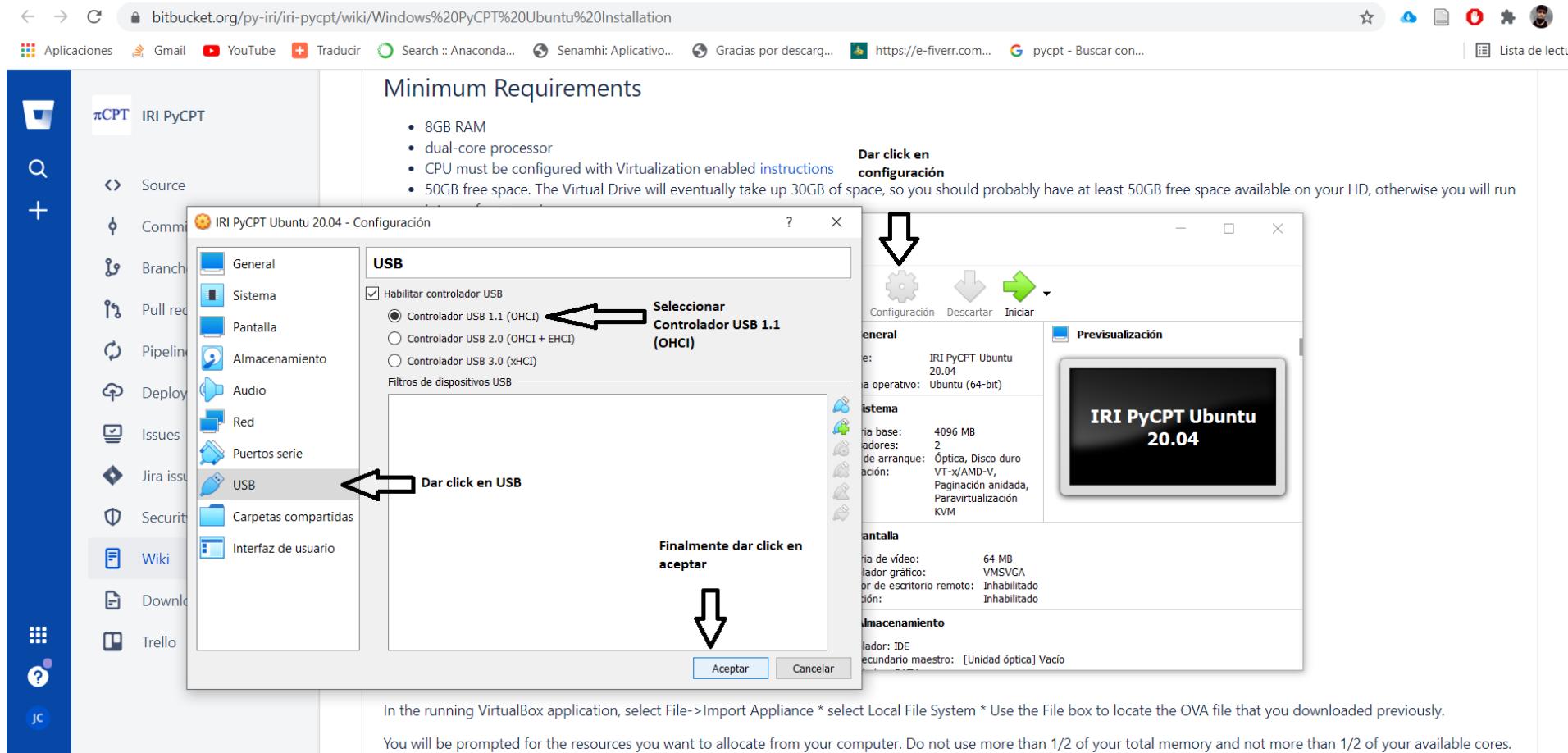
Una vez finalizada la importación damos click a Iniciar, para iniciar el virtual box y la simulación del SO Ubuntu



Nos saldrá un aviso de error, no asustarse. Solo lo cerramos.



Luego en el virtual box vamos a configuración -> USB y seleccionamos la opción Controlador USB 1.1 OHCI y damos click en aceptar



Luego nuevamente damos click en iniciar y ahora si no nos saldra ningún error

bitbucket.org/py-iri/iri-pycpt/wiki/Windows%20PyCPT%20Ubuntu%20Installation

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Lista de lectura

Minimum Requirements

- 8GB RAM
- dual-core processor
- CPU must be configured with Virtualization enabled instructions
- 50GB free space. The Virtual Drive will eventually take up 30GB of space, so you should probably have at least 50GB free space available on your HD, otherwise you will run into performance issues

Install Virtua

Download Virtua

Download the current version of the IRI PyCPT Ubuntu 20.04 Apagada

- Under VirtualBox
- Under VirtualBox

Install

- Install the VirtualBox Extension Pack
- **Install the Exported Appliance**

Download t

The IRI PyCPT Ubuntu 20.04 Appliance can be downloaded from the IRI Google Cloud Storage.

Import the Appliance

In the running VirtualBox application, select File->Import Appliance * select Local File System * Use the File box to locate the OVA file that you downloaded previously. You will be prompted for the resources you want to allocate from your computer. Do not use more than 1/2 of your total memory and not more than 1/2 of your available cores.

Oracle VM VirtualBox Administrador

Herramientas

Nueva Configuración Descargar Iniciar Iniciar

IRI PyCPT Ubuntu 20.04 Apagada

General

Nombre: IRI PyCPT Ubuntu 20.04
Sistema operativo: Ubuntu (64-bit)

Sistema

Memoria base: 4096 MB
Procesadores: 2
Orden de arranque: Óptica, Disco duro
Aceleración: VT-x/AMD-V, Página anidada, Paravirtualización KVM

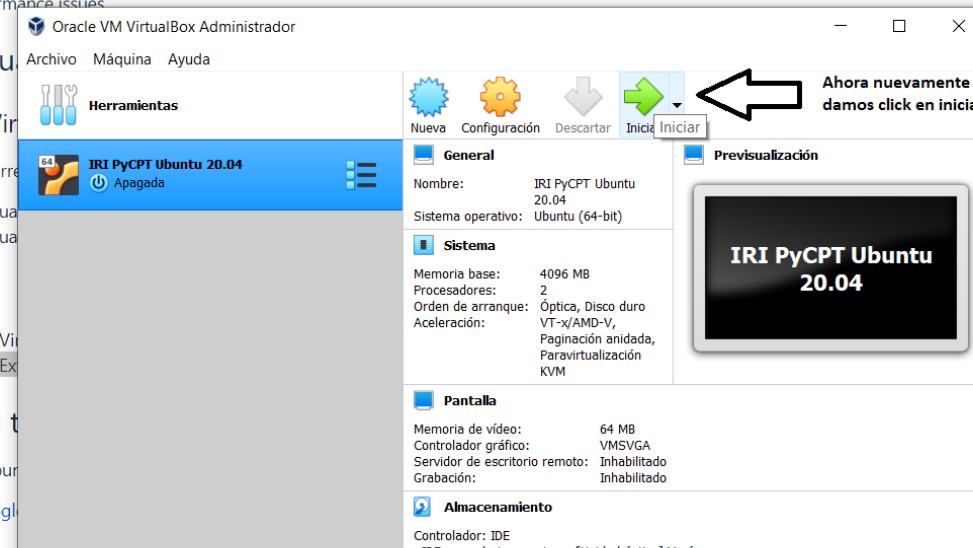
Pantalla

Memoria de video: 64 MB
Controlador gráfico: VMSVGA
Servidor de escritorio remoto: Inhabilitado
Grabación: Inhabilitado

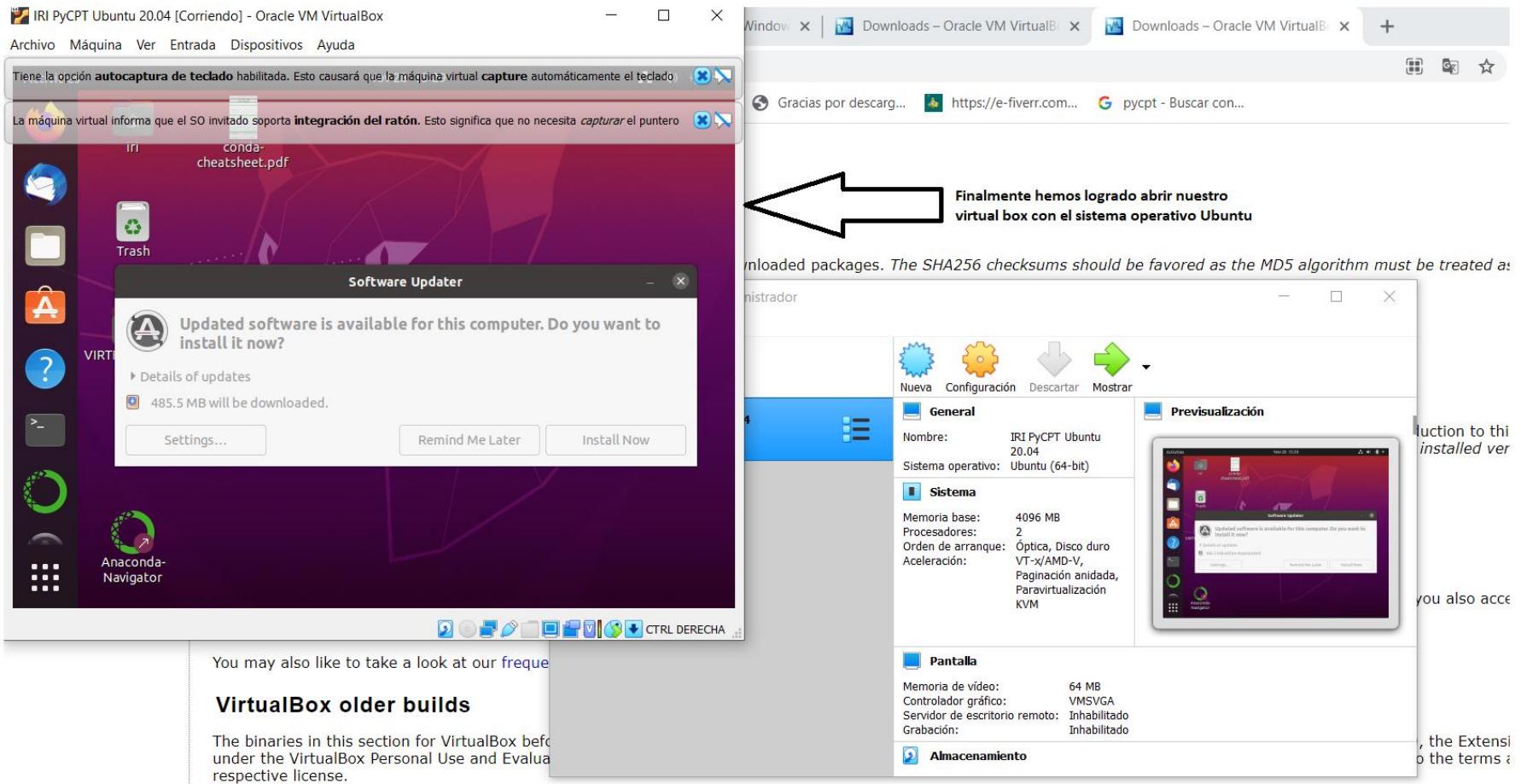
Almacenamiento

Controlador: IDE
IDE secundario maestro: [Unidad óptica] Vacío

Ahora nuevamente damos click en iniciar



Acabamos de iniciar nuestro Virtual box con el SO Ubuntu



Si estamos inactivos por un período de tiempo, la pantalla se va a oscurecer y cuando volvamos a querer acceder nos pedira una clave. La clave es monell cpt!!

The image shows a screenshot of a GitHub repository page for 'IRI PyCPT'. On the left, there's a sidebar with various project management links like Source, Commits, Branches, Pull requests, Pipelines, Deployments, Issues, Jira issues, Security, Wiki (which is selected), Downloads, and Trello. The main content area displays instructions for setting up a VirtualBox appliance. A large window titled 'IRI PyCPT Ubuntu 20.04 [Corriendo] - Oracle VM VirtualBox' is open, showing a terminal window with the text 'Login: iri' and 'Password: monell cpt!!'. Below the terminal, a message in Spanish says: 'Colocar el password: monell cpt!! Siempre que tu sesión este inactiva te va a pedir la contraseña.' An arrow points from this message to a redacted password field in the terminal window. The desktop background is dark with a circular profile picture and the word 'IRI'.

Posteriormente nos creamos una cuenta en la página del IRI

The screenshot shows a web browser window with the URL irid.ledo.columbia.edu/auth/login. The page displays the IRI logo at the top. Below it is a login form with fields for 'Email' and 'Password', and a 'Sign in' button. To the right of the form, there is a text area containing the Spanish sentence 'Debemos crearnos una cuenta en la página del IRI'. A large black arrow points from this text area towards the left side of the page, specifically towards the login form. Below the login form, there is a section titled 'or sign in with:' featuring icons for Google, GitHub, and Bitbucket.

irid.ledo.columbia.edu/auth/login

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Lista de lec

IRI

Email

Password

Sign in

Debemos crearnos una cuenta en la página del IRI

or sign in with:

Google GitHub Bitbucket

Don't have an account?
Forgot password?

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Nos saldra el siguiente aviso cuando hayamos creado la cuenta

A screenshot of a web browser window. The address bar shows the URL `iridl.Ideo.columbia.edu/auth#`. The page content displays a success message: "Hello **jcrav.jc@gmail.com** at **google.com**! You have successfully logged in! Your primary account email is **jcrav.jc@gmail.com**. [Log out](#)". A black arrow points from the text "Nos saldra este aviso cuando hayamos creado nuestra cuenta" to the success message. The browser interface includes a toolbar with various icons and a tab bar with other open tabs.

Hello **jcrav.jc@gmail.com** at **google.com**!
You have successfully logged in!
Your primary account email is **jcrav.jc@gmail.com**.
[Log out](#)

Nos saldra este aviso cuando
hayamos creado nuestra cuenta

Luego necesitamos generar nuestra key. Accedemos a la pagina de bitbucket.org/py-irt/iri-pycpt/wiki/Home y damos click en el enlace que se muestra con la flecha negra.

The screenshot shows a Bitbucket wiki page for the PyCPT repository. The left sidebar has a blue header with the repository name "πCPT IRI PyCPT". Below it are links for Source, Commits, Branches, Pull requests, Pipelines, Deployments, Issues, Jira issues, Security, Wiki (which is selected and highlighted in grey), and Downloads. The main content area shows the "Wiki" page for "IRI PyCPT / Home". It includes sections for "Welcome to the PyCPT wiki!", "What's PyCPT?", "Installation", and "PyCPT structure". In the "Installation" section, there is a note about creating a ".IRIDLAUTH" file and a link to generate a key. A large black arrow points to the link text "Please do not share your key". To the right of the arrow, a black box contains the Spanish text "luego visitamos la pagina y le damos click a este link".

bitbucket.org/py-irt/iri-pycpt/wiki/Home

Py IRI / PyCPT Source / IRI PyCPT

Wiki

[IRI PyCPT / Home](#)

Welcome to the PyCPT wiki!

What's PyCPT?

PyCPT is a Python library that provides interface and extra functionalities to IRI's Climate Predictability Tool (CPT), with a special focus on mass-production of seasonal and sub-seasonal forecast skill assessment maps and probabilistic flexible forecasts.

Installation

The user will need to install Anaconda (Python3), the Climate Predictability Tool and the Python extension of CPT (PyCPT). Detailed instructions are available in [this document](#)

For Windows users, we presently recommend to install a Virtual Machine with all needed packages. Instructions and necessary resources can be found [here](#)

[ONLY needed for the s2s version] Create the file .IRIDLAUTH in the main PyCPT folder. It must contain only one line with the Data Library S2S key (104 characters) obtained via [this link] (<https://iridl.ldeo.columbia.edu/auth/genkey>) **Please do not share your key**

PyCPT structure

PyCPT is broadly divided in four steps.

luego visitamos la pagina y le damos click a este link

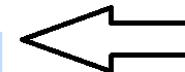
Volvemos a ingresar nuestra cuenta

← → C 🔒 iridl.ideo.columbia.edu/auth/login?redirect=https%3A%2F%2Firidl.ideo.columbia.edu%2Fauth%2Fgenkey



jcrav.jc@gmail.com
.....|

Sign in



Volvemos a ingresar a
la cuenta.

or sign in with:



[Don't have an account?](#)

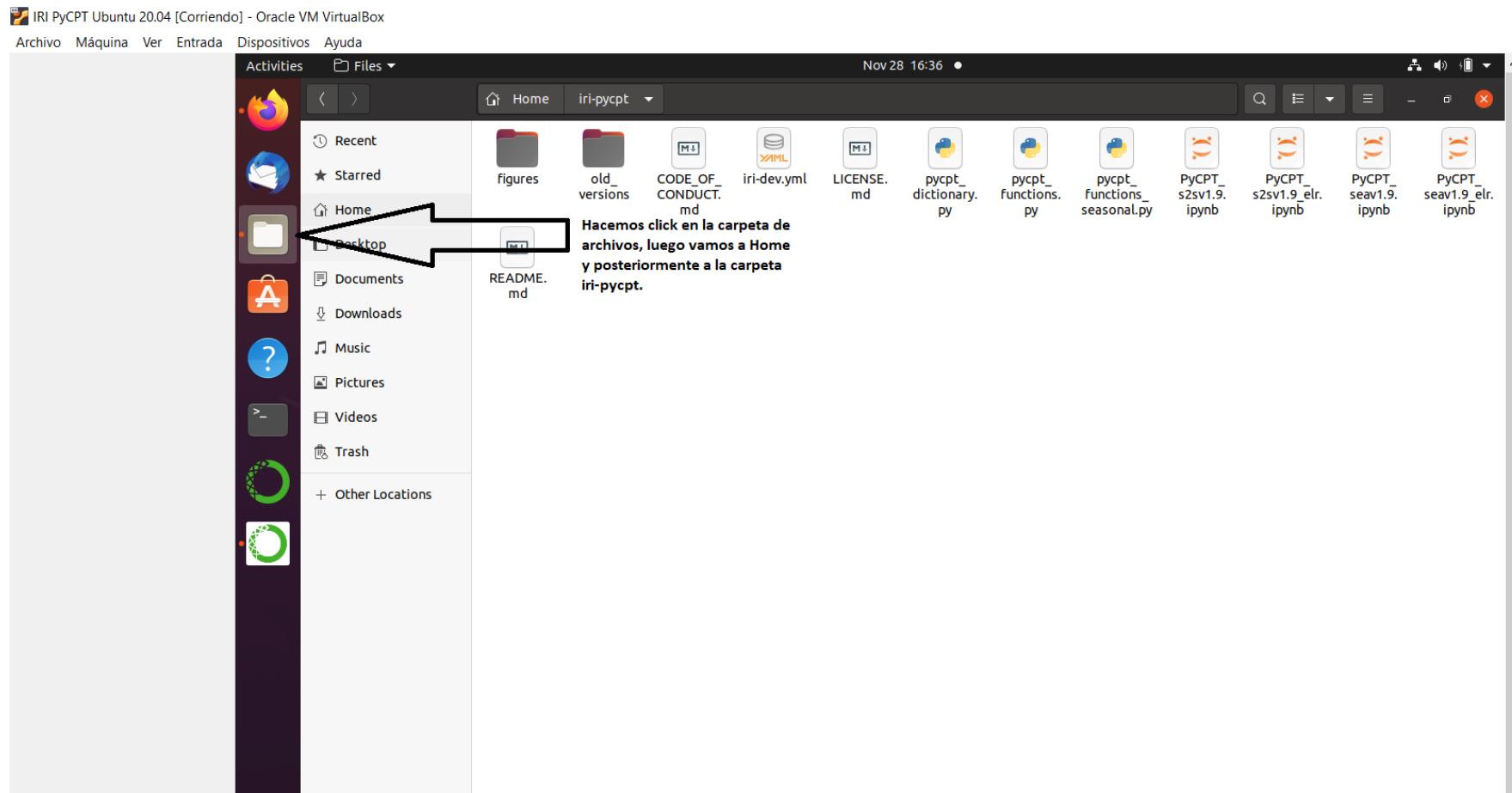
[Forgot password?](#)

By signing in, you agree to the [Terms of Service](#) and [Privacy Policy](#)

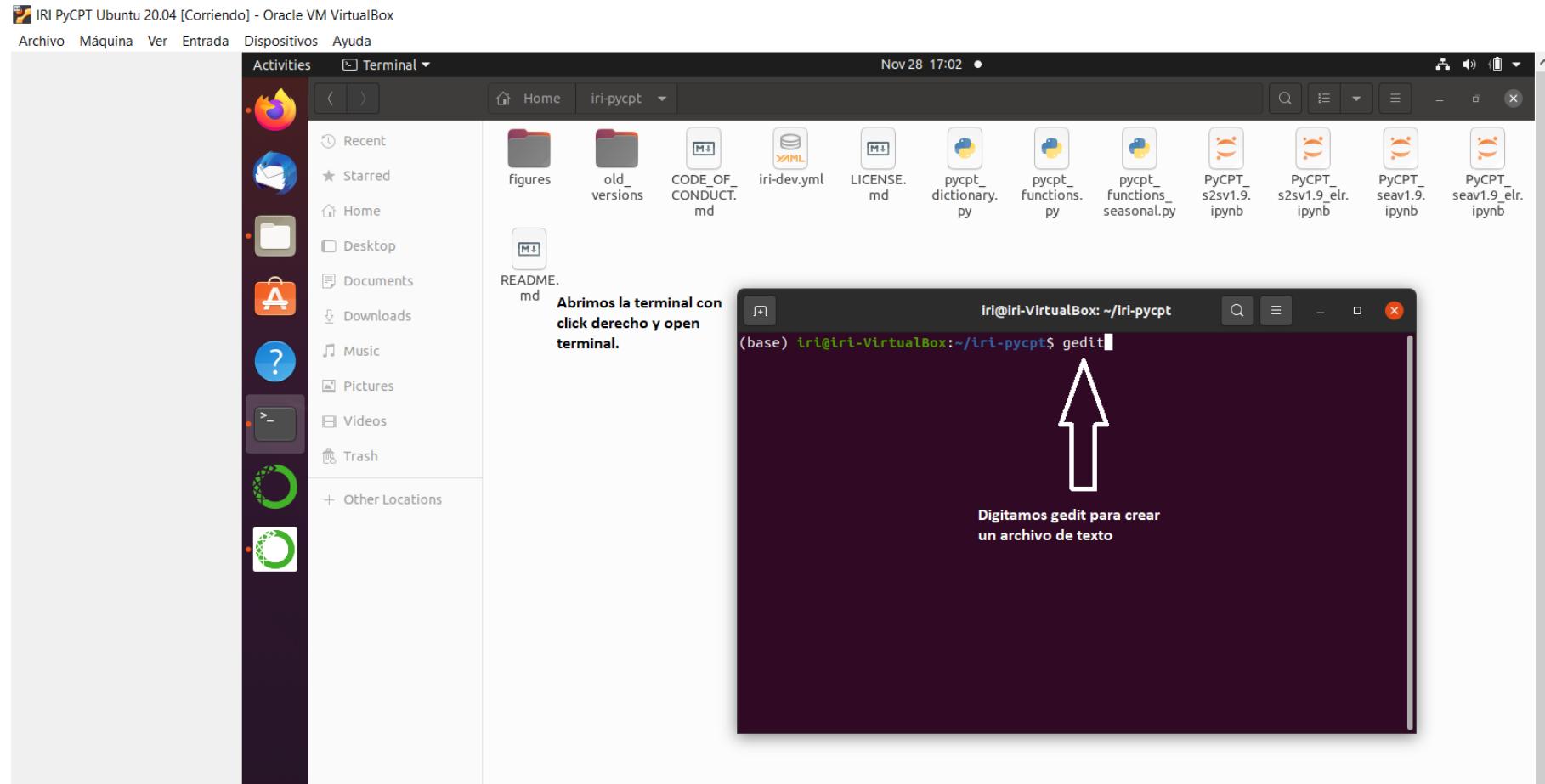
Al ingresar nos van a dar una clave de 104 caracteres.



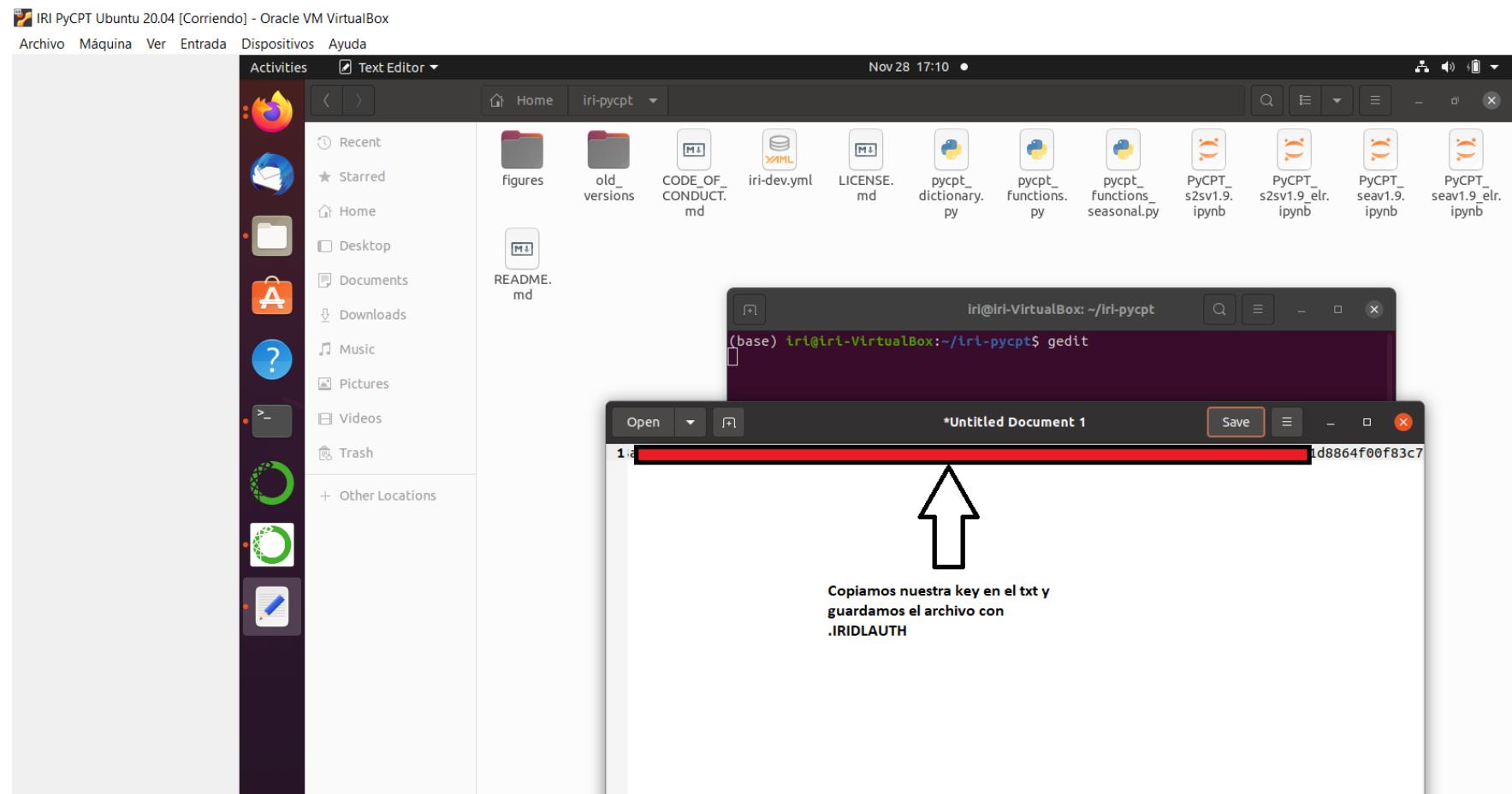
Volvemos a nuestro Virtual Box SO Ubuntu, Nos situamos en la carpeta iri-pycpt que va a estar creada por defecto y va a contener los scripts y archivos importantes.



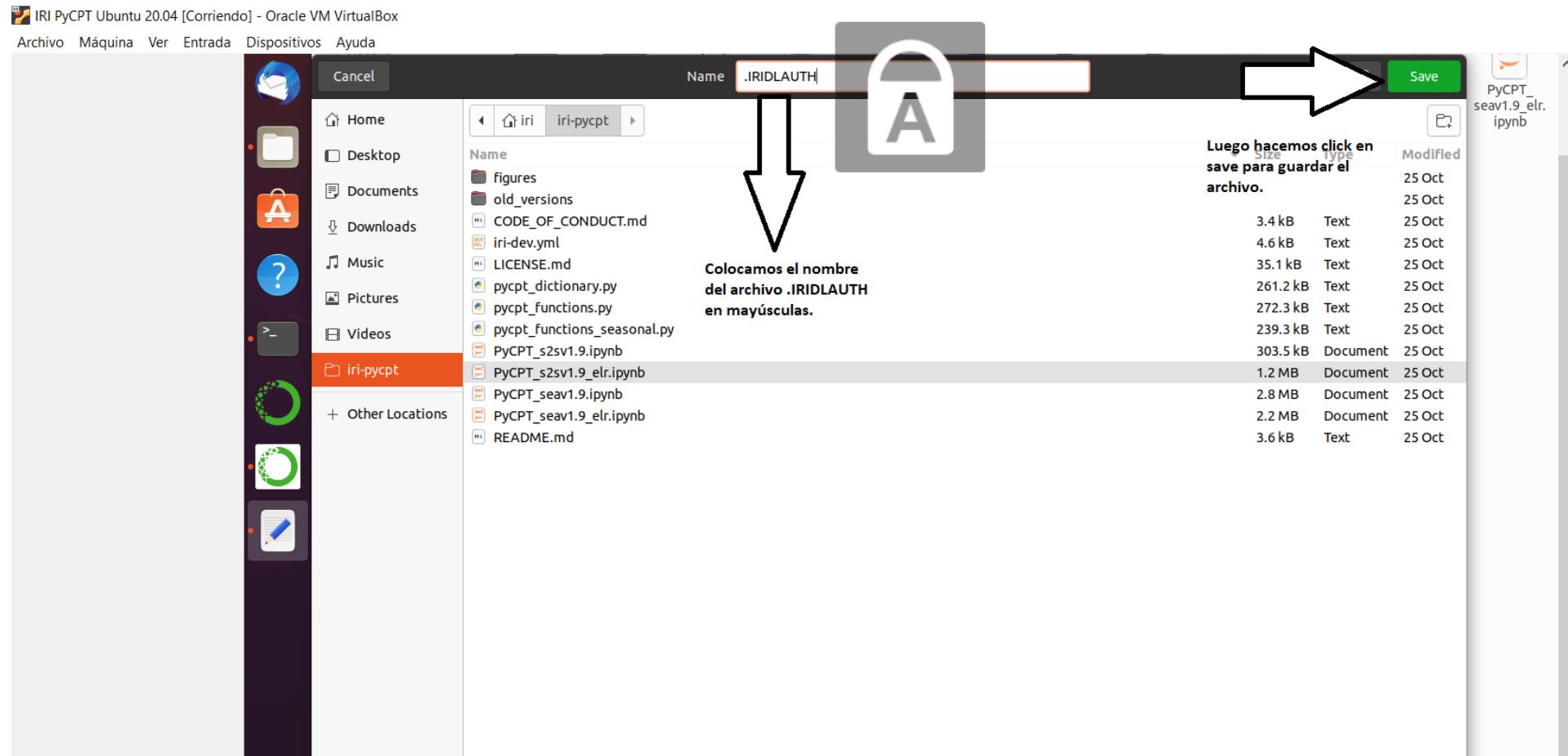
Dentro de la misma carpeta IRI PyCPT accedemos a la terminal con click derecho -> open terminal y digitamos gedit para crear un archivo de texto



Creamos nuestro archivo de texto y copiamos los dígitos de nuestra clave generada de 104 dígitos al archivo de texto.



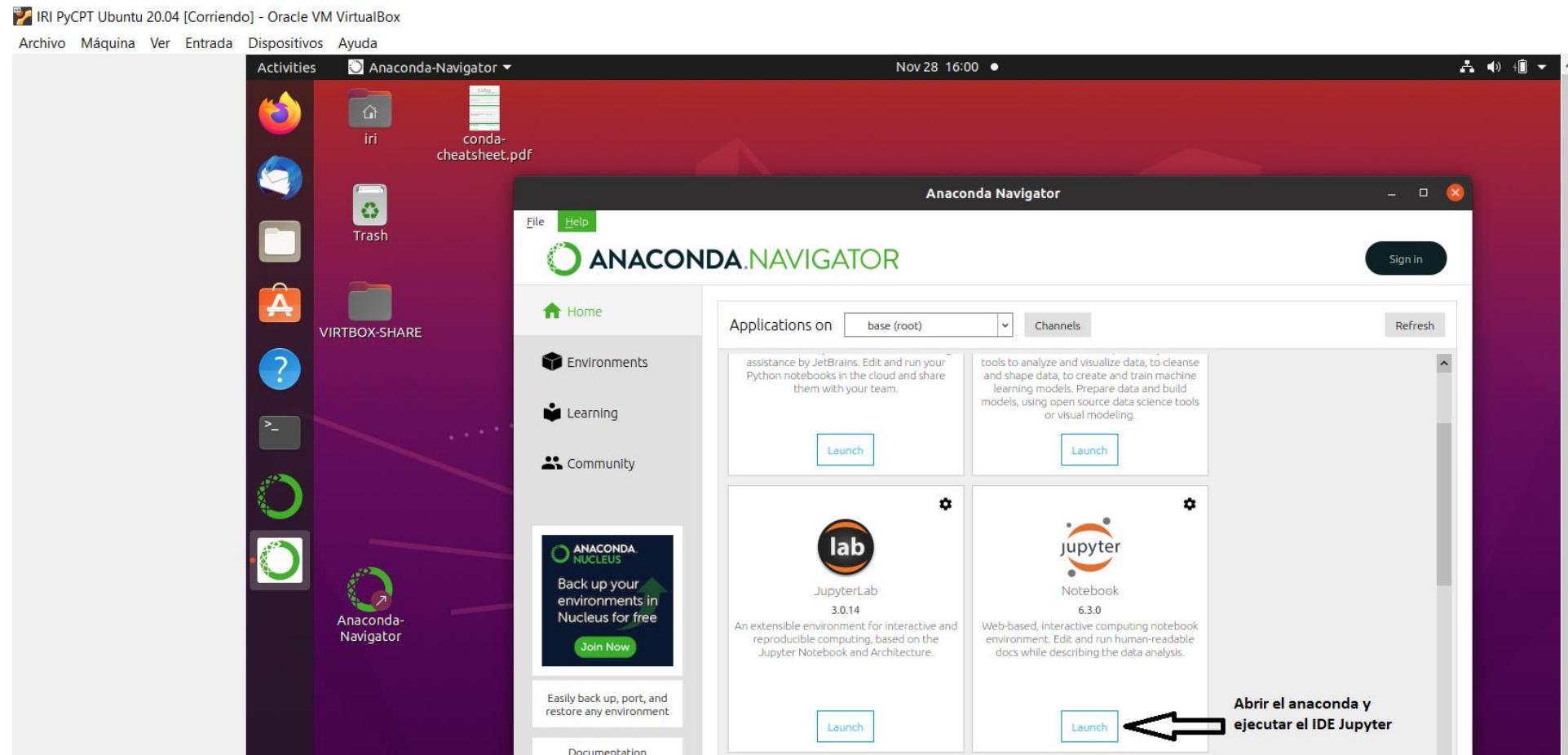
Guardamos el archivo de texto con el nombre .IRIDLAUTH



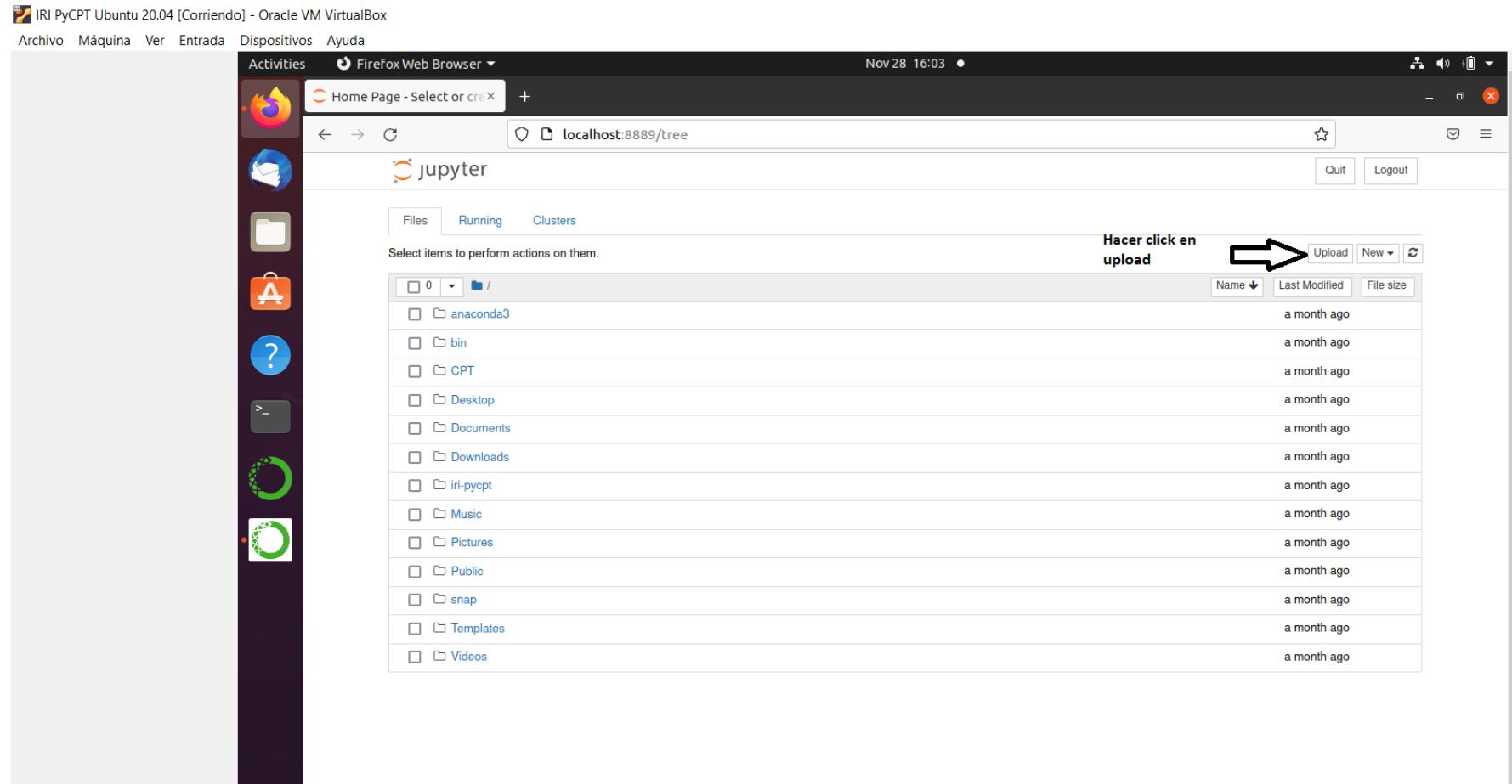


ACCESO AL SCRIPT PRINCIPAL
DEL PYCPT

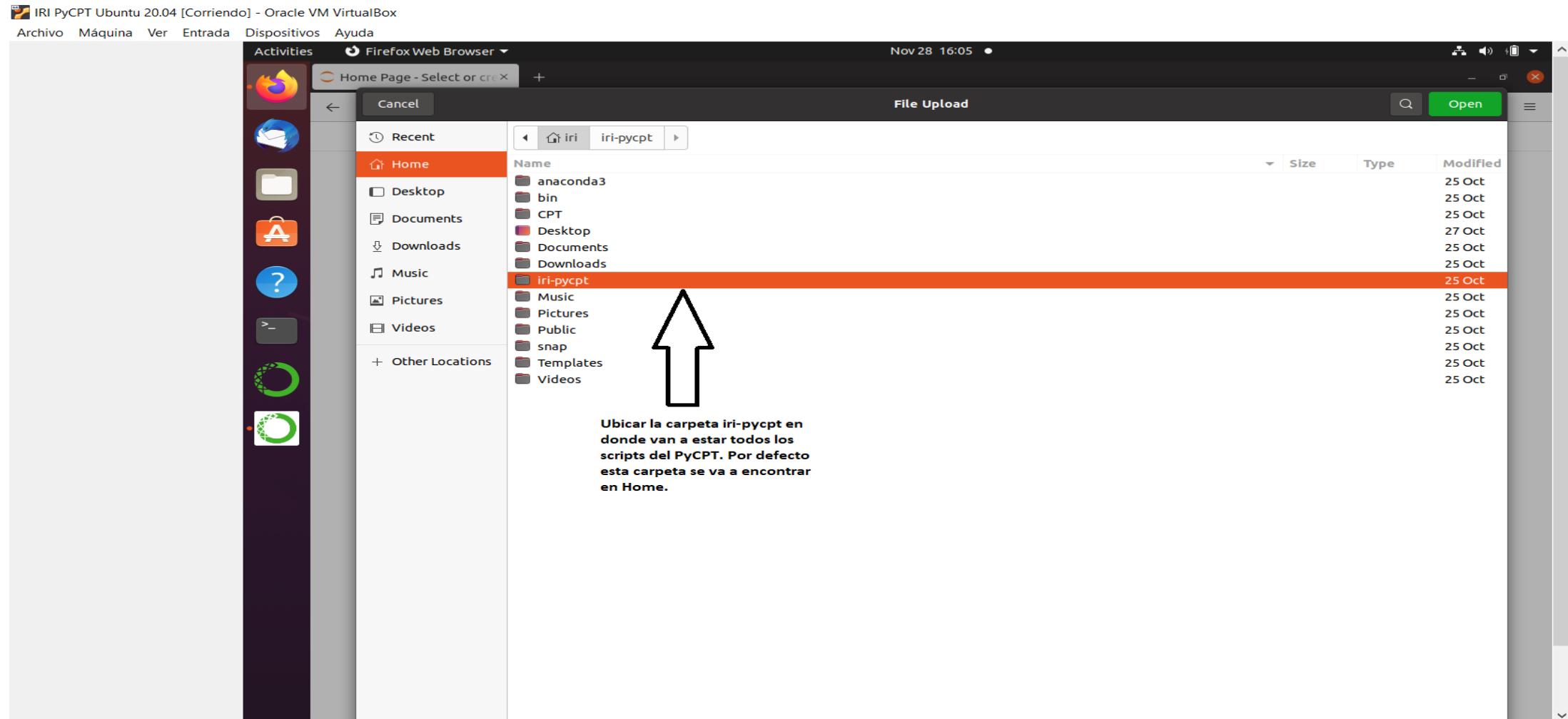
Abrimos el Anaconda Navigator. Damos click en launch y ejecutamos el IDE Jupyter



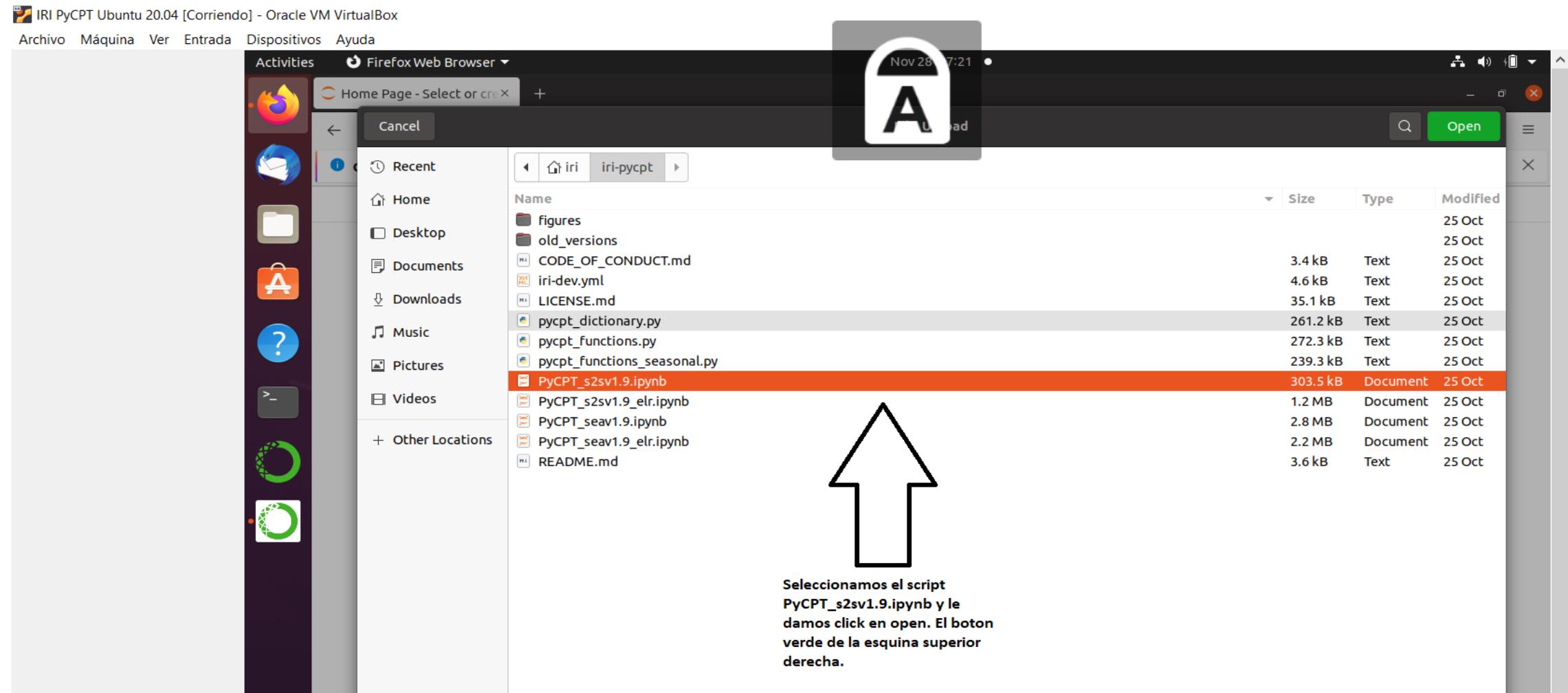
Hacemos click en upload para cargar el script de nuestro interes



Buscamos el script en la carpeta iri-pycpt



Seleccionamos el script PyCPT_s2sv1.9.ipynb y damos click a open



Finalmente hemos accedido al script principal del PyCPT

