

JMPB DOCUMENTATION



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INTRODUCTION

During this month we have been working on this project for MEBZ Do It Yourself Garage to computerize their business doing the c menu, database, web page and some computers which link each other to get shared folders.

In this document we show our final product and explain for each part of the project , how it looks and how it was made.

In this project we have created different groups and in each group have its respective leader and this are:



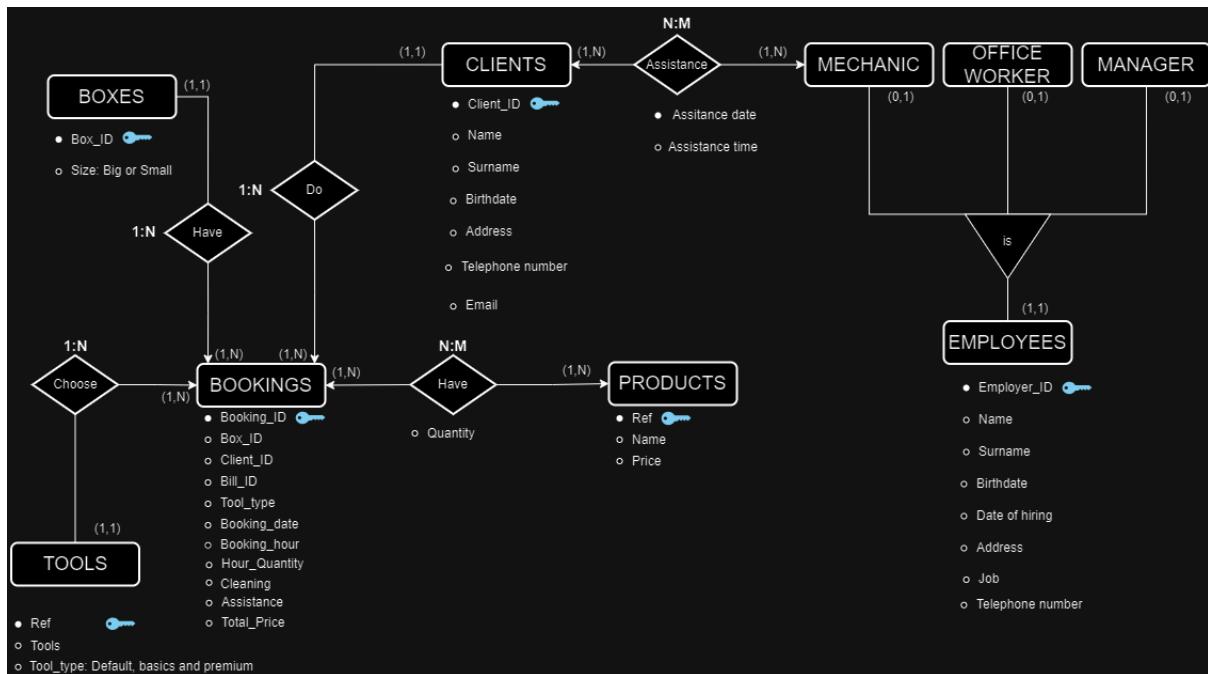
1. C Menu → Oier Letamendia
2. Data Base → Yeray Escabias, Iker Palomares and Oier Letamendia
3. Web page → Yeray Escabias
4. Systems → Iker Palomares



DATABASE

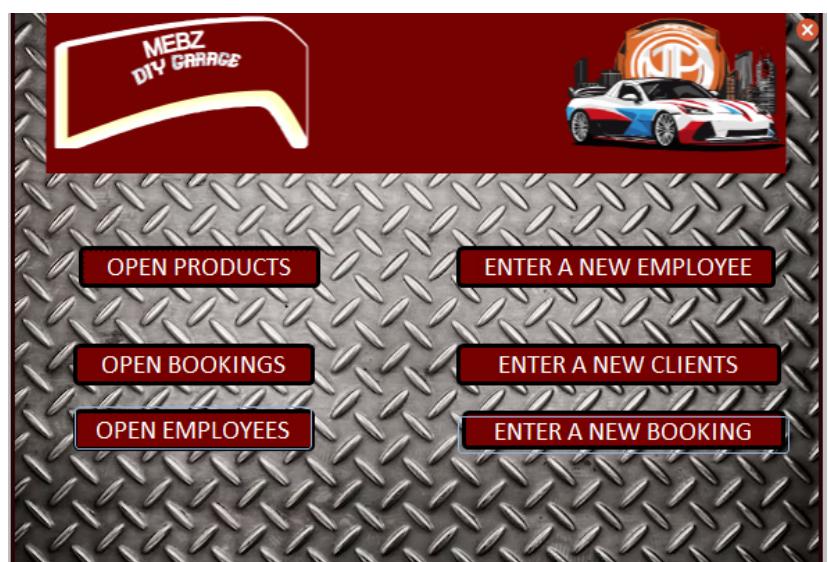
E/R Diagram

In the database, made in Access ,we made 8 different tables as we see in this E/R Diagram the tables are Boxes,Bookings,Tools,Products,Booking-Products,clients,Assistance and Employees.



MAIN MENU

When you open the Access the administrator and mechanics will see a basic menu, made with a macro, to navigate between the different forms and reports, also it has a button to exit the application.



When you open any of the left side options it will show the reports of employees , bookings and products tables. Here you can find the same register as the tables but in a better visual way and also the have their representative buttons to go to the main menu:

Bookings





Booking_ID	Box_ID	Client_ID	Booking_date	Bookin_hour	Bill_ID	Total_Price
10	1111	01265398A	19/11/2023	17:00:00	11	74,00 €
5	1112	98768987F	22/11/2023	9:30:00	12	39,00 €
6	1116	11232456G	21/11/2023	13:30:00	13	75,00 €

Products





Ref	Name	Price
11111	Paints	50,00 €
11112	Air Fresheners	3,00 €
11113	Fuses	4,00 €
11114	Brake Fluids	9,00 €

Employees





Employee-ID	Employee name	Surname	Birthdate	Hiring date	Address	Job	Telephone number
121212	Alex	Lejarreta	31/12/1996	23/02/2013	Eibar,C.Ardantza	Mechanic	612546814
131313	Maria	Martinez	08/03/2001	26/05/2016	Bilbo,C.Otxarkoa	Mechanic	615648754
141414	Carmen	Alonso	06/11/2000	14/03/2015	Zaldibiar,C.Alda	Office worker	632184764
151515	Juan	Romero	30/06/1990	02/11/2018	Berriz,C.Okango,	Office worker	631321564



Whereas in the right side you will find the forms, in those forms you can see the registers and navigate from one to other with buttons and as the reports you will have the buttons to return to the main menu. In this forms besides see the registers you can enter new ones and automatically will be added to the respective tables. This are the forms:

Bookings

Booking_ID	<input type="text" value="1"/>
Box_ID	<input type="text" value="1115"/>
Client_ID	<input type="text" value="34987829D"/>
Booking_date	<input type="text" value="17/12/2023"/>
Bookin_hour	<input type="text" value="16:45:00"/>   
Hour_quan	<input type="text" value="2"/>
Total_Price	<input type="text" value="72,00 €"/>

Employees							
Employee-ID	Employee name	Surname	Birthdate	Hiring date	Address	Job	Telephone number
12	Alex	Lejarreta	31/12/1996	23/02/2013	Eibar,C.Ardantz a,3	Mechanic	612546814
13	Maria	Martinez	08/03/2001	26/05/2016	Bilbo,C.Otxarko aga,4	Mechanic	615648754
14	Carmen	Alonso	06/11/2000	14/03/2015	Zaldbiar,C.Ald	Office worker	632184764

Clients

Client_ID	<input type="text" value="01265358A"/>
Name	<input type="text" value="Ana"/>
Surname	<input type="text" value="Cabieces"/>
Birthdate	<input type="text" value="03/03/1995"/>   
Address	<input type="text" value="Durango"/>
Telephone number	<input type="text" value="613546875"/>
Email	<input type="text" value="AnaCabieces@gmail.com"/>



TABLES AND REGISTER

This are the tables and the information that they save:

Assistance date	Assistance time	Client_ID	Employee_ID
19/11/2023	10:30:00	01265398A	131313
20/11/2023	9:30:00	12435657R	121212
21/11/2023	11:15:00	57838495J	121212
21/11/2023	12:50:00	12313132N	202020
21/11/2023	13:30:00	11232456G	191919
22/11/2023	10:55:00	67598749K	181818
22/11/2023	18:30:00	98768987F	171717
23/11/2023	17:30:00	31245678N	131313
23/11/2023	18:00:00	54429183F	191919
16/12/2023	17:00:00	12347429B	202020
17/12/2023	16:45:00	34987829D	131313

Ref	Tools	Tools_type
1	Cast Iron Level	Premium
2	Steel Level	Basic
3	Wrenches	Basic
4	Adjustable Wrenches	Basic
5	Fixed Keys	Basic
6	Allen Keys	Basic
7	English Keys	Basic
8	Pipe Wrenches	Basic
9	Seager Wrenches	Basic
10	Air Compressor P	Premium
11	Welding Machine	Basic
12	Hydraulic Jack P	Premium
13	Soldering Iron P	Premium
14	Pneumatic Screwdriver P	Premium
15	Electric Hoist P	Premium
16	Diagnostic Machine	Basic
17	Pneumatic Release Machine	Basic

Employee-ID	Employee name	Surname	Birthdate	Hiring date	Address	Job	Telephone number
121212	Alex	Lejarreta	31/12/1996	23/02/2013	Eibar,C.Ardant	Mechanic	612546814
131313	Maria	Martinez	08/03/2001	26/05/2016	Bilbao,C.Otxark	Mechanic	615648754
141414	Carmen	Alonso	06/11/2000	14/03/2015	Zaldbibar,C.Al	Office worker	632184764
151515	Juan	Romero	30/06/1990	02/11/2018	Berriz,C.Okang	Office worker	631321564
161616	Pepe	Mesa	25/09/1970	06/06/2017	Berriz,C.Gabio	Office worker	698874451
171717	Unai	Cañas	30/09/1986	25/04/2019	Ermua,C.San P	Mechanic	698746513
181818	Peña	Gonzalez	12/08/1984	29/01/2020	Ermua,C.Aldap	Mechanic	623564851
191919	Leire	Uribezubia	20/06/1969	30/06/2021	Ermua,C.Ongai	Mechanic	668963523
202020	Maite	Lopez	14/06/1995	10/02/2014	Mallabia,C.Art	Mechanic	668541312

Ref	Name	Price
11111	Paints	50,00 €
11112	Air Fresheners	3,00 €
11113	Fuses	4,00 €
11114	Brake Fluids	9,00 €
11115	Premium Diesel Oil	20,00 €
11116	Premium Gasoline Oil	25,00 €
11117	Regular Gasoline Oil	15,00 €
11118	Regular Diesel Oil	10,00 €
11119	15-inch Inflatable Tires	163,00 €
11120	19-inch Inflatable Tires	170,60 €
11121	22-inch Inflatable Tires	190,65 €
11122	15-inch Mixed Tires	200,00 €
11124	22-inch Mixed Tires	220,99 €
11125	15-inch Off-Road Tires	230,00 €
11126	19-inch Off-Road Tires	250,00 €
11127	22-inch Off-Road Tires	260,00 €
11128	15-inch Regular Tires	160,00 €
11129	15-inch Regular Tires	180,00 €
11130	15-inch Regular Tires	200,00 €
11131	19-inch Mixed Tires	210,00 €
11132	Air Compressor cleaner	10,00 €
*		0,00 €

Booking_ID	Box_ID	Client_ID	Bill_ID	Tool type	Booking_date	Bookin_hour	Hour_quan	Cleaning	Assistance?	Total_Price
1 1115	34987829D	26	Premium	17/12/2023	16:45:00	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	72,00 €
2 1112	12347429B	17	Premium	16/12/2023	17:00:00	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	59,00 €
3 1112	31245678N	21	Premium	23/11/2023	17:30:00	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	59,00 €
4 1115	54429183F	20	Premium	23/11/2023	18:00:00	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	76,00 €
5 1112	98768987F	12	Basic	22/11/2023	9:30:00	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	39,00 €
6 1116	11232456G	13	Own tools	21/11/2023	13:30:00	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	75,00 €
7 1112	67598749K	14	Premium	21/11/2023	8:45:00	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	351,00 €
8 1114	1233132N	15	Basic	21/11/2023	12:50:00	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	59,00 €
9 1115	57838495J	16	Basic	21/11/2023	13:30:00	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	67,00 €
10 1111	01265398A	11	Premium	19/11/2023	17:00:00	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	74,00 €
11 1115	12435657R	19	Basic	19/11/2023	18:45:00	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	37,00 €
12 1113	41239422T	22	Basic	18/11/2023	17:45:00	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19,00 €
13 1112	32461982S	23	Own tools	18/11/2023	10:45:00	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18,00 €
14 1111	38278432C	24	Own tools	17/11/2023	11:15:00	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16,00 €
15 1114	34874987E	25	Basic	16/11/2023	12:30:00	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	223,00 €
16 1113	54589376Y	18	Premium	16/11/2023	10:15:00	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	52,00 €
*	0						0	<input type="checkbox"/>	<input type="checkbox"/>	0,00 €



QUERYS

We made some queries to find things more easily or to take into account how many bookings are in one day.

This is the list of the queries, the first query is for the employees in our business who have worked for more than 10 years because they gain a plus money in the payroll and also the query for only the mechanic Crews table.

Then we have an exclusive basic tools list and we have the same for the premium tools list and the own tools list,

For bookings we have different queries first for the box bookings we have two different tables one for the big ones and another for the small ones. Then we have the information of the people who book the cleaning pack.

The last ones are to count how many books were in a day ,how many hours were in novembers booked and the last one to know from where the people come to the garage

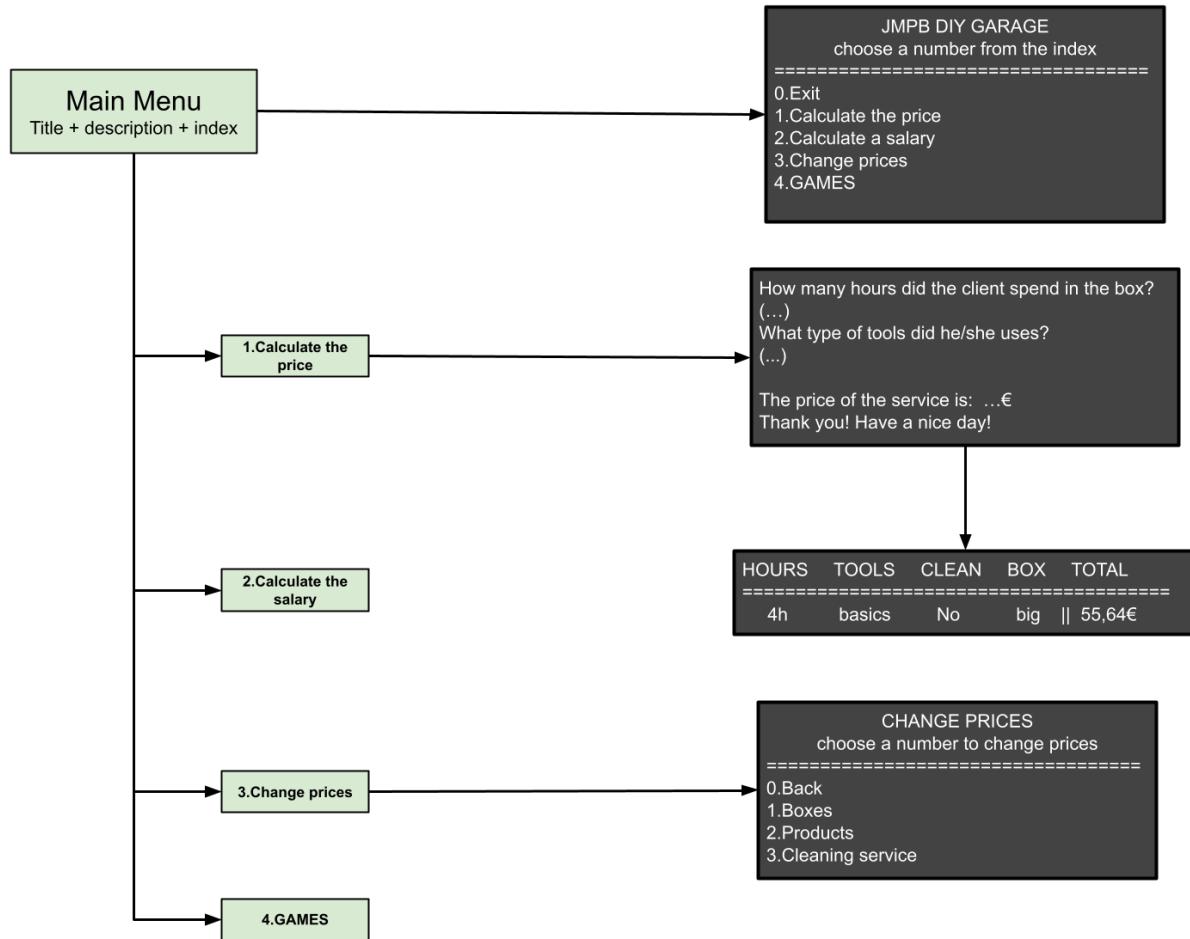
-  +10 years contract
-  Basic tolls list
-  Big boxees bookings
-  Bookings Per day
-  Cleaning pack adquired
-  Hour quantity per day n...
-  Mechanic crew
-  Own tools clients
-  Premium tools list
-  Procedence quantity
-  Small boxes booking



C MENU

INTRODUCTION

Our C menu is designed for the employees that work in our offices. The program offers a range of functionalities, including calculating service prices, managing employee salaries, visualizing and changing prices, and even provides a set of entertaining games.



STRUCTURE

The program is created with some “switch” structures to make it easier to choose the different options. Inside of these “Switches” we have created others to break down the options for each of the functionalities. For example, in the option “Change prices” there is another menu to choose the price that you want to modify.

The main variables are created and initialized in the main program, but there are others that are created in the middle of the program for a specific use. Internally, we use some functions in the first lines of the code, outside of the main part. We did that to organize the program better and be clear when making changes.

FUNCTIONS

We use different functions to enhance the clarity of the program. Some of them are designed to simplify the equations used to calculate prices. This allows us to write the complex calculations within the functions and keep the main program clearer.

```
// CHOOSE TOOLS
float chooseTools(float cal_tool, float basic_tools, float prime_tools)
[]

// CALCULATE SALARY
float calculateSalary(float hour_work, float salary)
[]

// CALCULATE PRICE
float calculatePrice(float cal_time, float cal_tool, float basic_tools, float prime_tools, float big_box, float small_box, int cal_help, int cal_box, int cal_clean)
[]

// CALCULATE INCREASE PERCENTAGE SALARY
float calculatePercentSalary(float original_salary, float new_price_salary)
[]

// CALCULATE INCREASE PERCENTAGE BASIC TOOL
float calculatePercentBasic(float original_basic_tool, float new_price_basic_tool)
[]

// CALCULATE INCREASE PERCENTAGE PRIME TOOL
float calculatePercentPrime(float original_prime_tool, float new_price_prime_tool)
[]

// CALCULATE INCREASE PERCENTAGE BIG BOX
float calculatePercentBig(float original_big_box, float new_price_big_box)
[]

// CALCULATE INCREASE PERCENTAGE SMALL BOX
float calculatePercentSmall(float original_small_box, float new_price_small_box)
[]

// CALCULATE INCREASE PERCENTAGE CLEAN
float calculatePercentClean(float original_clean, float new_price_clean)
[]
```



FUNCTIONALITIES

At the main menu we have six different functions: "Exit, Calculate the price, Calculate the salary, Visualize prices, Change prices and Games".

```
***** MEBZ DIY GARAGE ***
*** Choose an option ***
*****
0. EXIT
1. Calculate the price
2. Calculate the salary
3. Visualize prices
4. Change prices
5. GAMES
*****
```

0.Exit: The function is the number 0 to be able to expand the program without modifying the program in excess.

1.Calculate the price: The program asks some questions to the user to calculate the bill for the client.

2.Calculate the salary: This functionality is designed to calculate the salary of an employee based on the number of hours worked and the monthly salary.

3.Visualize prices: This option provides a clear and organized display of the current prices for various services, including box rentals, tool packs, cleaning services, and employee salaries. It offers transparency to the users about the existing pricing structure.

4.Change prices: This functionality allows users to modify prices based on specific needs or market conditions. The program guides the user through a submenu where they can choose the type of price they want to change, such as box rentals, tool packs, cleaning services, or employee salaries.



```

=====
===== CHANGE PRICES =====
=====
0. RETURN
1. Box prices
2. Tool pack prices
3. Cleaning tools price
4. Employee salary
=====
```

BOX	PRICE	UNITY
Big	15.00	eur/h
Small	10.00	eur/h

Which box do you want to change? (B for Big and S for small):
B

|Big ones! New price: 20
Percentage Increase for Big Boxes: 33.33%

Do you want to see the new price list? (Y for yes and N for No): Y

BOX	PRICE	UNITY
Big	20.00	eur/h
Small	10.00	eur/h

5.Games: The program offers a set of entertaining games to provide a recreational break for the users. The games include Blackjack, a rhombus pattern game, a number-guessing game, and a pyramid-building game.

```

=====
===== GAMES =====
=====
0. RETURN
1. BLACK JACK
2. ROMBOUS
3. GUESS A NUMBER
4. PYRAMID
=====
```



WEB PAGE

All the programs were divided by DIVs and also the location was set with floats ,margin and padding , also they follow the same estrcuture : at the top we have the header with the language selector where you can select between Euskera, Español and English. Below that part we can find the navigation side ,with the logo of our company and the nav to select the pages. Then we have the article where the content of the pages is and each page is different. At the bottom we have the last part of the side,the footer that is going to variate into three formats the contact one with our social medias and the gmail ,the contact only with the gmail one and the blank one, every footer has a button to go at the top of the page.

The home page side in the article side we can find at the top a marquee which is an images loop of our garage, then we have a piece of information about the business and at the bottom we can find the location map and the booking to go to the booking page.

The facilities page the article appears a map of the place to find all the parts of the garage, then you can find all the descriptions of facilities of our garage.

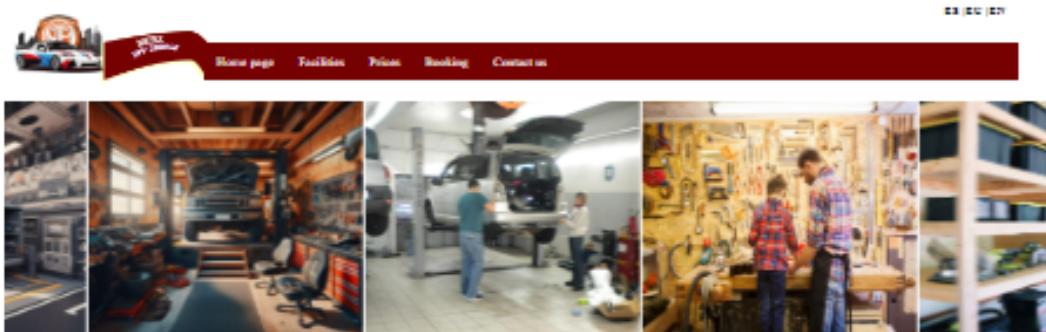
The prices page is about the prices of our products and facilities which are accompanied with a picture of the product or facilities and their own price at the products side we added a link which redirects you to a whole list of products and their prices.

The bookings side we can find a form to fill ,which has all the required information so you can make a reservation.

The last page is the contact us page, here we have a form to fill in case the customer has any doubt to contact with us. At the right side we can find the location of the garage and the social medias and the gmail in case they want to come or follow us in our social medias.



PHOTOS



ABOUT US

We are a new small company in Eibar/Hendaia about Do It Yourself garage, the company started in 2016 and in 2018 we got our first license and we made our unique brand of products. Now we are making it bigger for to provide those tools to other provinces.

Now you'll find the best selection of tools, tips and products to repair , modify ... your car. If you have doubts, we have the best crew of mechanics in whole Basque Country with the best formation to solve you every single problem.



LOCATION



BOOKING

Go ahead and make a reservation on the DIY garage's website, taking control of your own vehicle repairs can be a rewarding and cost-effective experience.



CONTACT

EMAIL:

MEBZ@DIY_Garage.com

@MEBZ_DIYGarage



@MEBZ_Garage



@MEBZ_Garage





[Home page](#) [Facilities](#) [Prices](#) [Booking](#) [Contact](#)

EN ES DE PT

Facilities

Explore our workshop, quality machinery and a supportive environment made for both novice and advanced automotive enthusiasts. Whether you're tinkering with your car as a hobby or a professional, our infrastructure is designed to cater to your needs.

Map of the facilities:

Welcome to our garage! To help you navigate our facilities and discover the range of services we offer, we've created this detailed map of our location. This map will provide an overview of our workshop and guide you through key areas where our expert mechanics work tirelessly to keep your vehicle in top shape. Explore with confidence!



Click on the photo to see it bigger

Description of the facilities

Our facilities have the best facilities of the whole province! You'll find two types of boxes: Small boxes and Big ones. Besides them, we have our precision tools and cleaning cleaning packs, in case you haven't your favorite tools, here you'll find ours and you could get it at the best prices.

Description of the boxes

Big one

This big box has 120x2 and 20 cm) here you have the space that you need and more. Every box have their own lift and hydraulic jack, apart from the basic tools, which are fixed like keyrings, non-slip mats and more.

Small one

This big box has 90x2 and 15cm here you have the a considerable space to work. Those boxes have the same tools as big ones.

Description of the tools and cleaning

Precision / Basic tools

In our tools pack you'll find the basic tools (from hammer to an allen wrench) and the professional ones, from our companion to a solder.

Cleaning tools

In our cleaning tools you'll find the best selection for cleaning, like a vacuum cleaner, glass and interior cleaners, rags...

If you have any doubt write an email to us

[MEBZ@DIY_Garage.com](#)

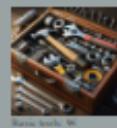
[Home page](#) [Facilities](#) [Prices](#) [Booking](#) [Contact](#)

EN ES DE PT

Prices

Welcome to the world of automotive DIY at our Garage! In this section, discover transparent pricing for our Do-It-Yourself Garage, offering tool rentals, workshop options, and everything you need for your automotive projects. Experience the thrill of customizing your workspace at flexible and clear-cut prices!

Facilities



Our best products



[Whole tools list](#)

If you have any doubt write an email to us

[MEBZ@DIY_Garage.com](#)



MEBZ
DIY GARAGE

UNI
EIBAR
ERMUA





Bookings

Why book a bay at DIY Garage? Our facilities feature high-quality tools, diagnostic equipment, lifts, and a secure environment for you to work comfortably. Additionally, our knowledgeable staff will be available to provide guidance and assistance should you need it.

Name: <input type="text"/>	First Surname: <input type="text"/>	Second Surname: <input type="text"/>	Birth Date: dd/mm/aaaa <input type="text"/>	Email address: <input type="text"/>
Date of reservation: dd/mm/aaaa <input type="text"/>	Hour reservation: <input type="text"/>	Hour quantity: <input type="text"/>	Box type: --SELECT-- <input type="button" value="▼"/>	
Tools: --SELECT-- <input type="button" value="▼"/>	Cleaning pack: <input type="checkbox"/>			
Crew's help : Yes <input type="radio"/> No <input type="radio"/>		Something else? <input type="text"/>		
<input type="button" value="Send"/> <input type="button" value="Clear"/>				

If you have any doubt write an email to us

MEBZ@DIY_Garage.com



ABOUT US

We are a new small company in Baskal Herria about Do It Yourself garage, the company started in 2016 and in 2018 we get our first boxes and we made our unique brand of products. Now we are making it bigger for to provide those tools to other provinces.

Here you'll find the best selection of boxes, tools and products to repair , modify ... your car, if you have doubts, we have the best crew of mechanics in whole Basque Country with the best formulation to solve you every single problem.

We have some facilities to make your visit a great and satisfying experience. You will be able to find three different buildings: Small Boxes, Big Boxes, and Offices.

Small Boxes:
The purpose of these boxes is to repair small and medium vehicles, such as motorcycles or medium-sized cars. If you have this type of vehicle, it will be enough for you!

Big Boxes:
These are designed for vehicles of considerable or large size. They are perfect for repairing trucks or large vehicles, like vans.

CONTACT US

Fill in these fields to get in touch with us, and we'll address your questions.

Full name:

Email:

Subject:

Message:

Thank you!

LOCATION



CONTACT

EMAIL

MEBZ@DIY_Garage.com



SYSTEMS

HARDWARE

We plan to install on the PC of the MEBZ company windows 10 pro, we already have explained that is the best OS for the workers. The computers will have this hardware:

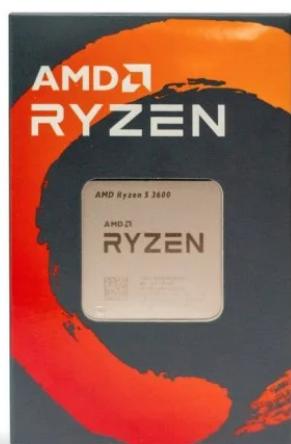
Asrock A520M-HVS



Aerocool CS-105 USB 3.0 Negra/Roja con Ventana



AMD Ryzen 5 3600 3.6GHz 32MB



Crucial CT16G4DFRA32A DDR4 3200Mhz PC4-25600 16GB CL22



NOX Hummer Alpha 600W 80 Plus Bronze





Samsung 870 QVO SSD 1TB SATA3

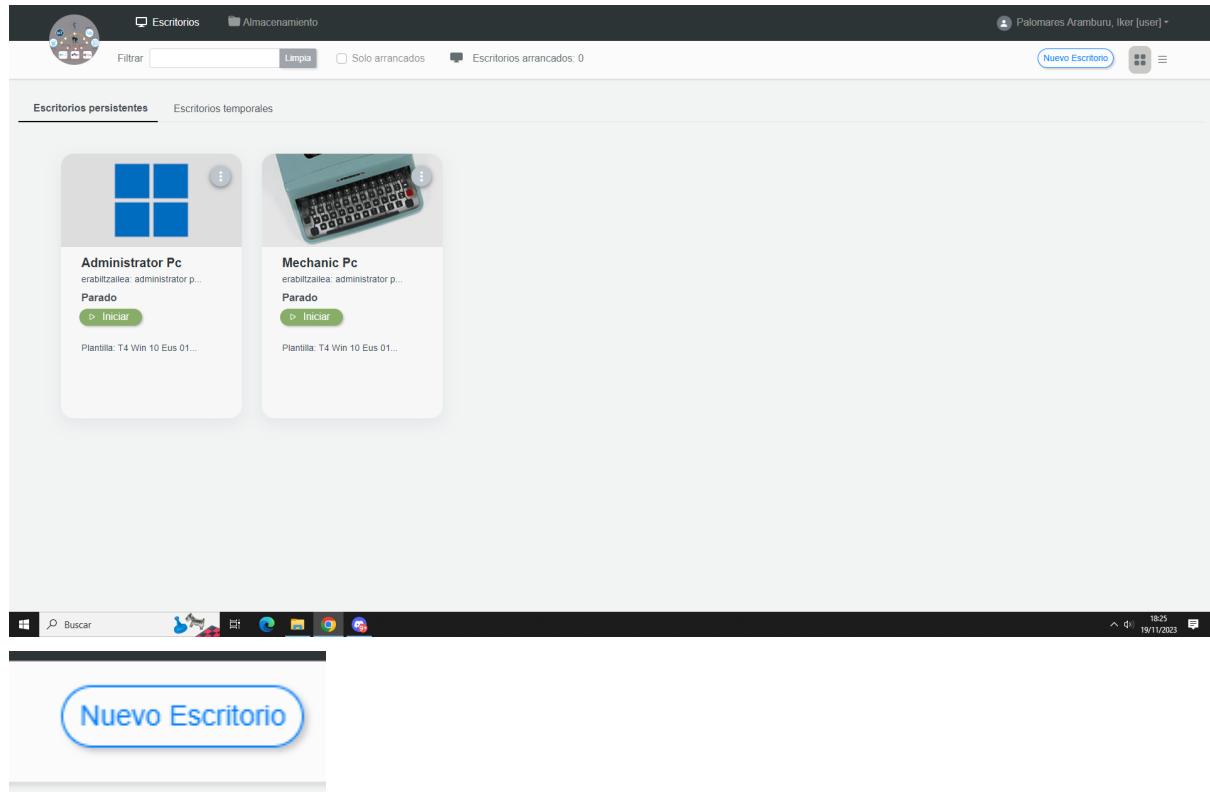


MSI AMD Radeon RX 6500 XT MECH 2X OC 4GB GDDR6

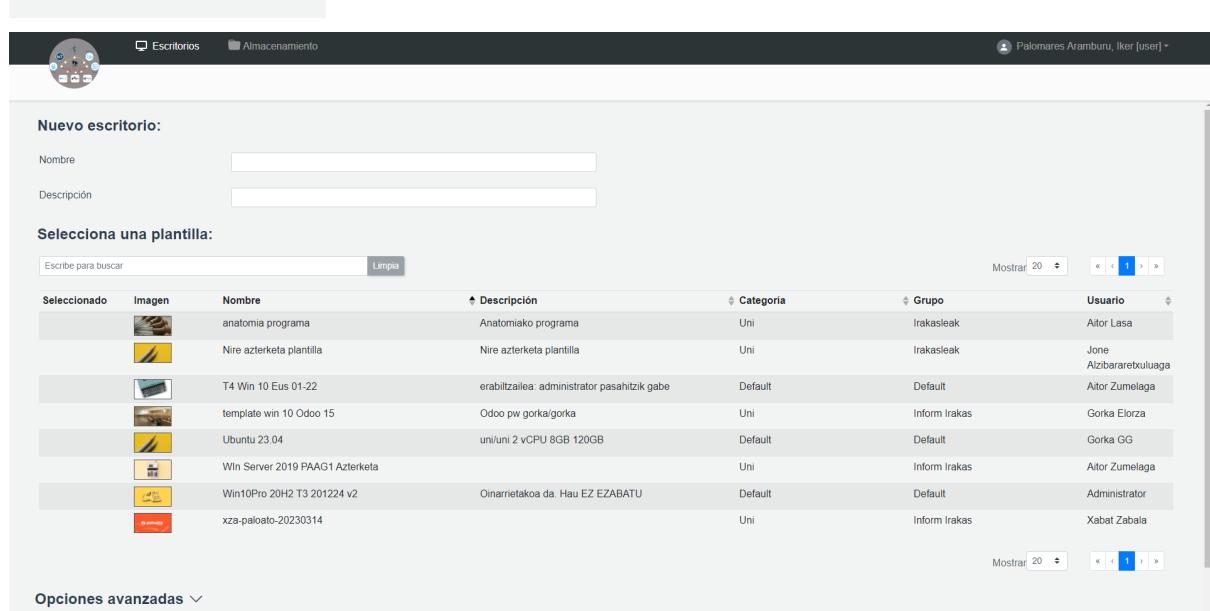


VIRTUAL MACHINES

The first thing is to make a virtual machine



Nuevo Escritorio



Nuevo escritorio:

Nombre:

Descripción:

Selección una plantilla:

Seleccionado	Imagen	Nombre	Descripción	Categoría	Grupo	Usuario
		anatomia programa	Anatomiko programa	Uni	Irakasleak	Aitor Lasa
		Nire azterketa plantilla	Nire azterketa plantilla	Uni	Irakasleak	Jone Alzibararebuluaga
		T4 Win 10 Eus 01-22	erabiltzailea: administrator pasahitzik gabe	Default	Default	Aitor Zumelaga
		template win 10 Odoo 15	Odoo pw gorka/gorka	Uni	Inform Irakas	Gorka Elorza
		Ubuntu 23.04	uni/uni 2 vCPU 8GB 120GB	Default	Default	Gorka GG
		Win Server 2019 PAAG1 Azterketa		Uni	Inform Irakas	Aitor Zumelaga
		Win10Pro 20H2 T3 201224 v2	Oinarriakoa da. Hau EZ EZABATU	Default	Default	Administrator
		xza-palocato-20230314		Uni	Inform Irakas	Xabat Zabala

Opciones avanzadas ▾

Find Windows options



Nuevo escritorio:

Nombre: Proba

Descripción:

Selecciona una plantilla:

Seleccionado	Imagen	Nombre	Descripción	Categoría	Grupo	Usuario
		T4 Win 10 Eus 01-22	erabiltzailea: administrator pasahitzik gabe	Default	Default	Aitor Zumelaga
		template win 10 Odoo 15	Odoo pw gorka/gorka	Uni	Inform Irakas	Gorka Elorza
		Win Server 2019 PAAG1 Azterketa		Uni	Inform Irakas	Aitor Zumelaga
		Win10Pro 20H2 T3 201224 v2	Oinarietako da. Hau EZ EZABATU	Default	Default	Administrator

Opciones avanzadas ▾

Mostrar: 20 | < > | Crea | Cancela

We will use the first one, select it and press crea



Here we edit with the pen





Redes

Default x | Wireguard VPN x

Default - 52.54.00.11:c2.69 , Wireguard VPN - 52.54.00.09:26:ff

Here quit wireguard and put your team

Redes

Default x |

- Default
- Intel PRO/1000 isolated
- PAAG31-T1
- PAAG31-T2
- PAAG31-T3
- PAAG31-T4**
- PAAG31-T5
- PAAG31-T6
- PAAG31-T7
- Personalia1
- Wireguard VPN

Boot

Hard Disk x v

Remenber to change this to CD

Isos

win

- Virtio ISO drivers only Windows 10 x64 0.1.164
- Virtio ISO drivers Windows 0.1.164
- es_windows_server_2016_x64_dvd_9717978.iso
- Win10_22H2_Spanish_x64

Here follow this order first operative system then drivers

Isos

Win10_22H2_Spanish_x64 x | Virtio ISO drivers only Windows 10 x64 0.1.164 x

Virtio ISO drivers Windows 0.1.164 x

And to finish this part press envia



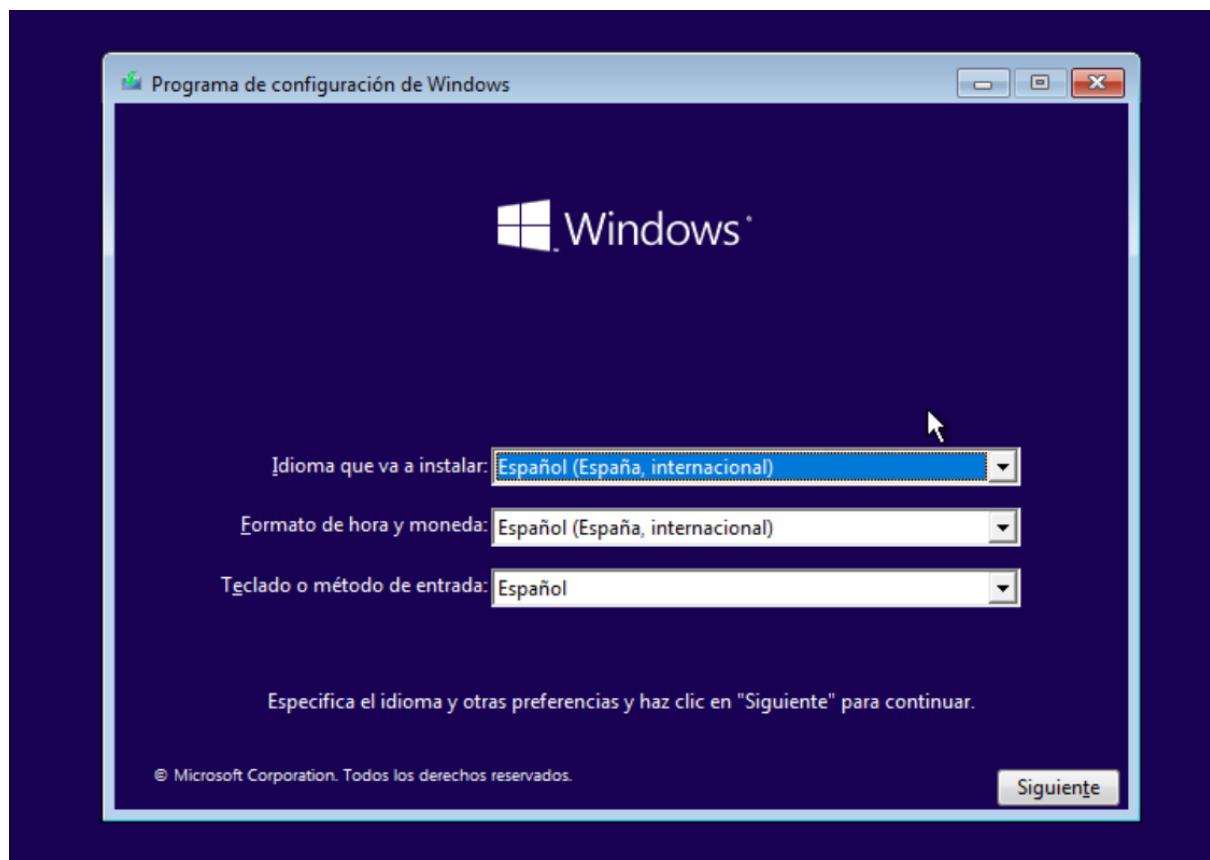
Press iniciar to start



Press any key to boot from CD or DVD..

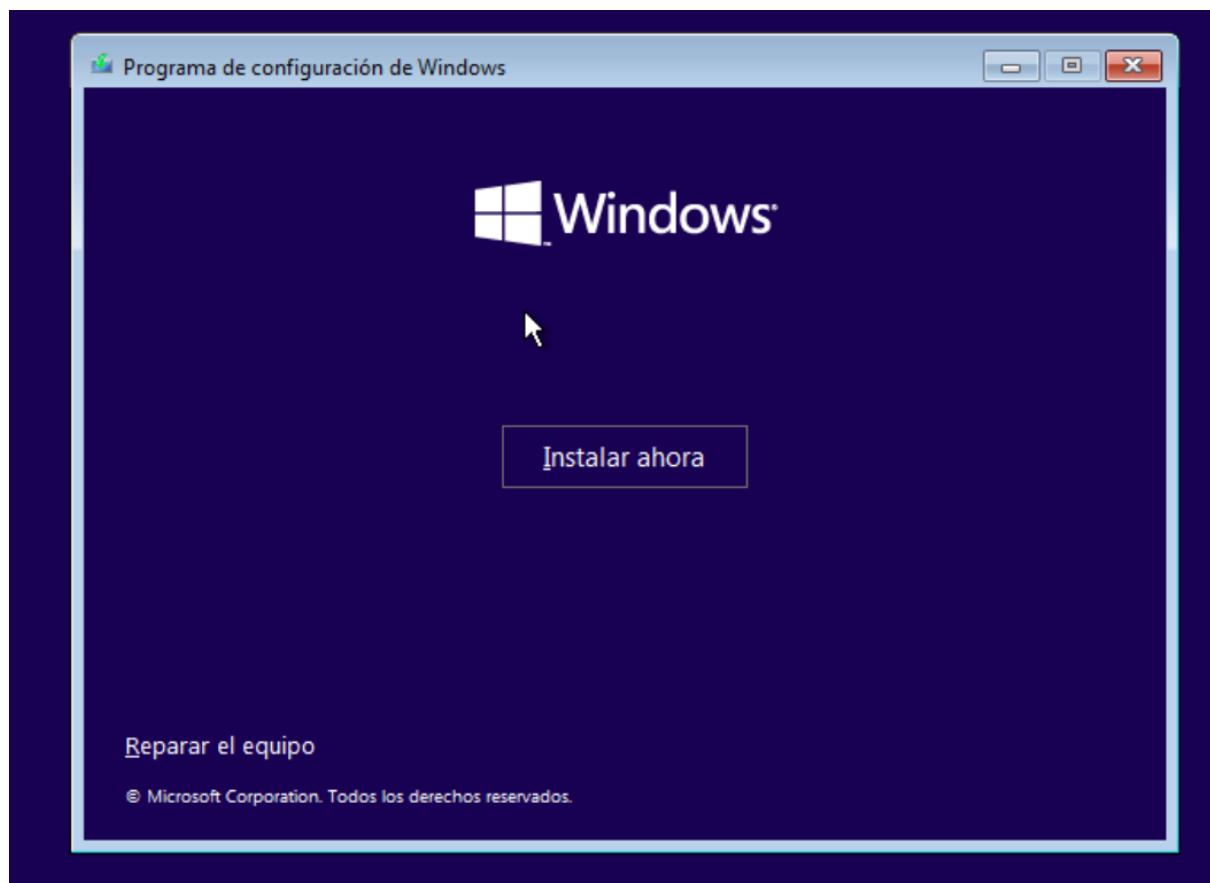
You have to enter fast in the machine and press any key otherwise it will restart





Press siguiente and then instalar ahora

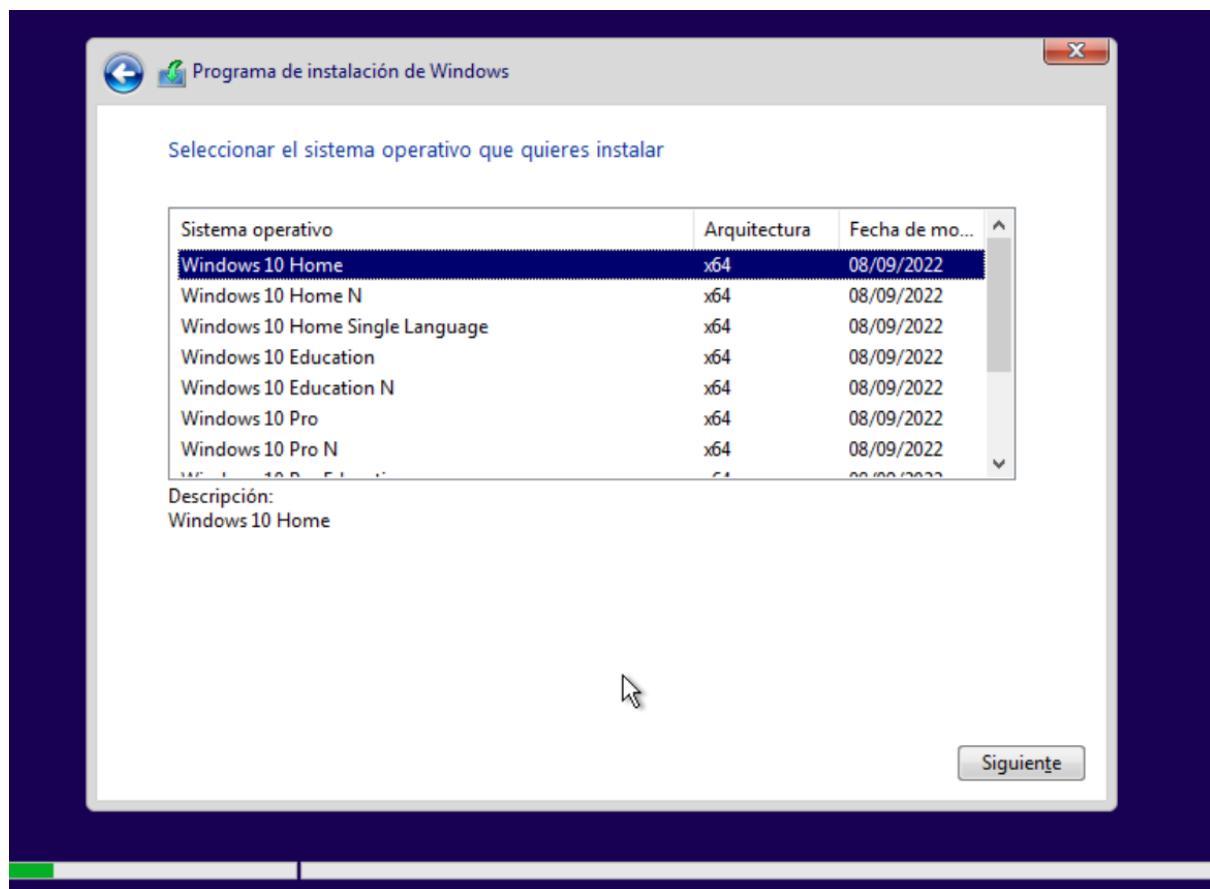






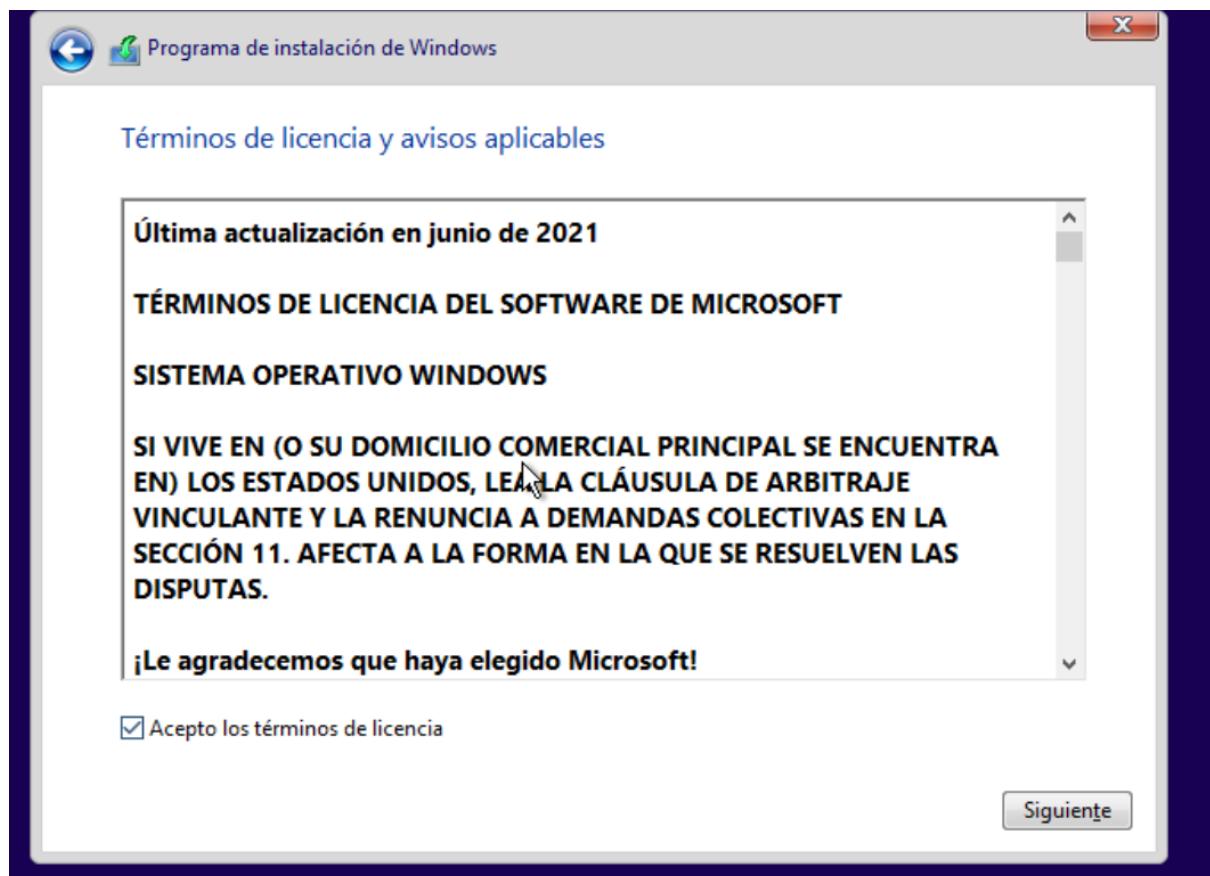
Press “No tengo clave de producto”





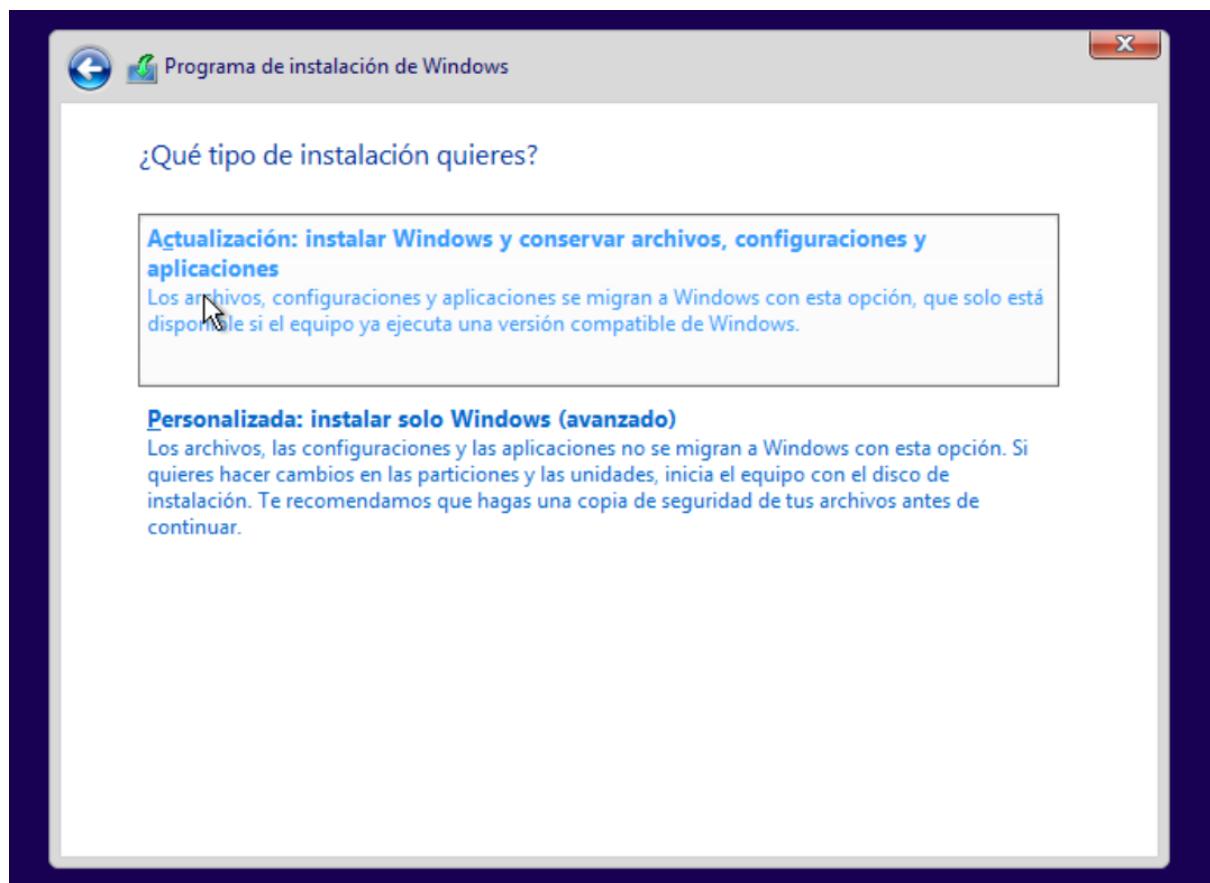
We will use windows 10 pro





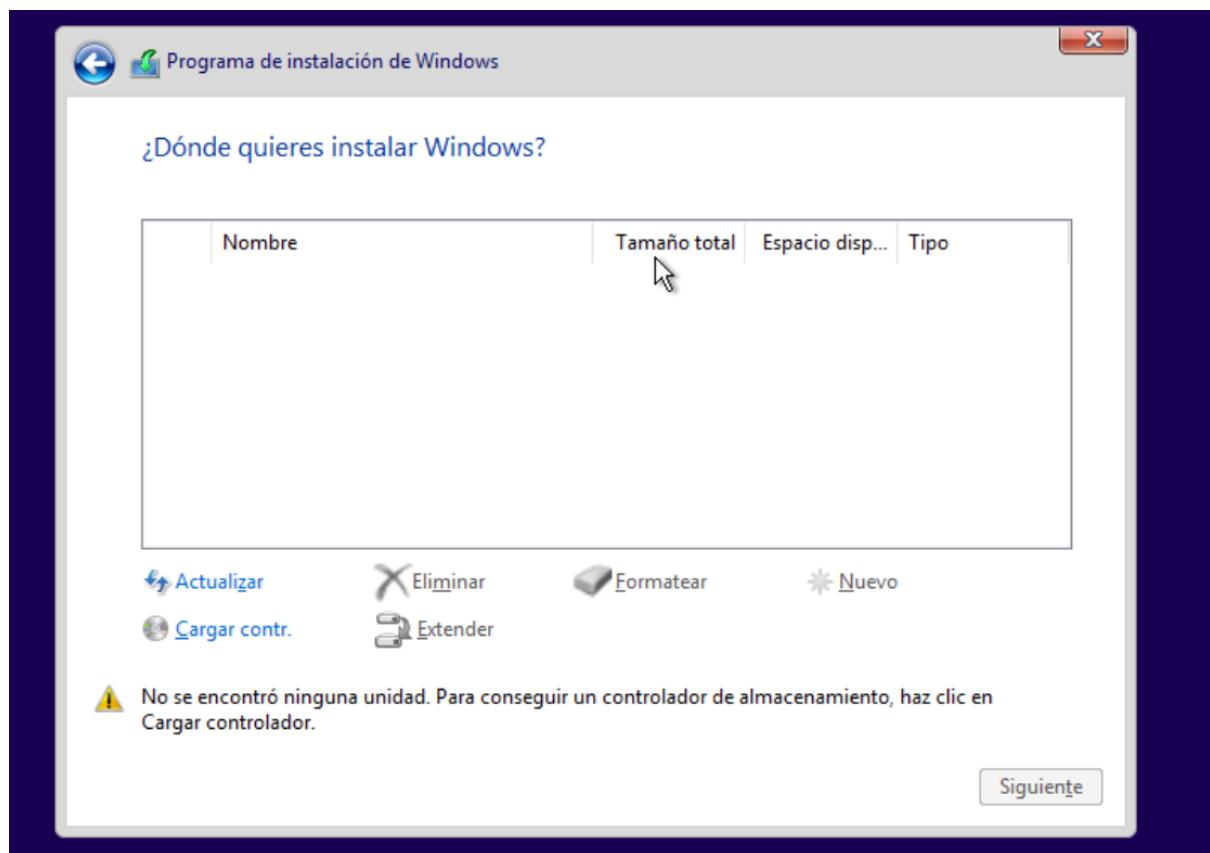
Press siguiente





Press personalizada



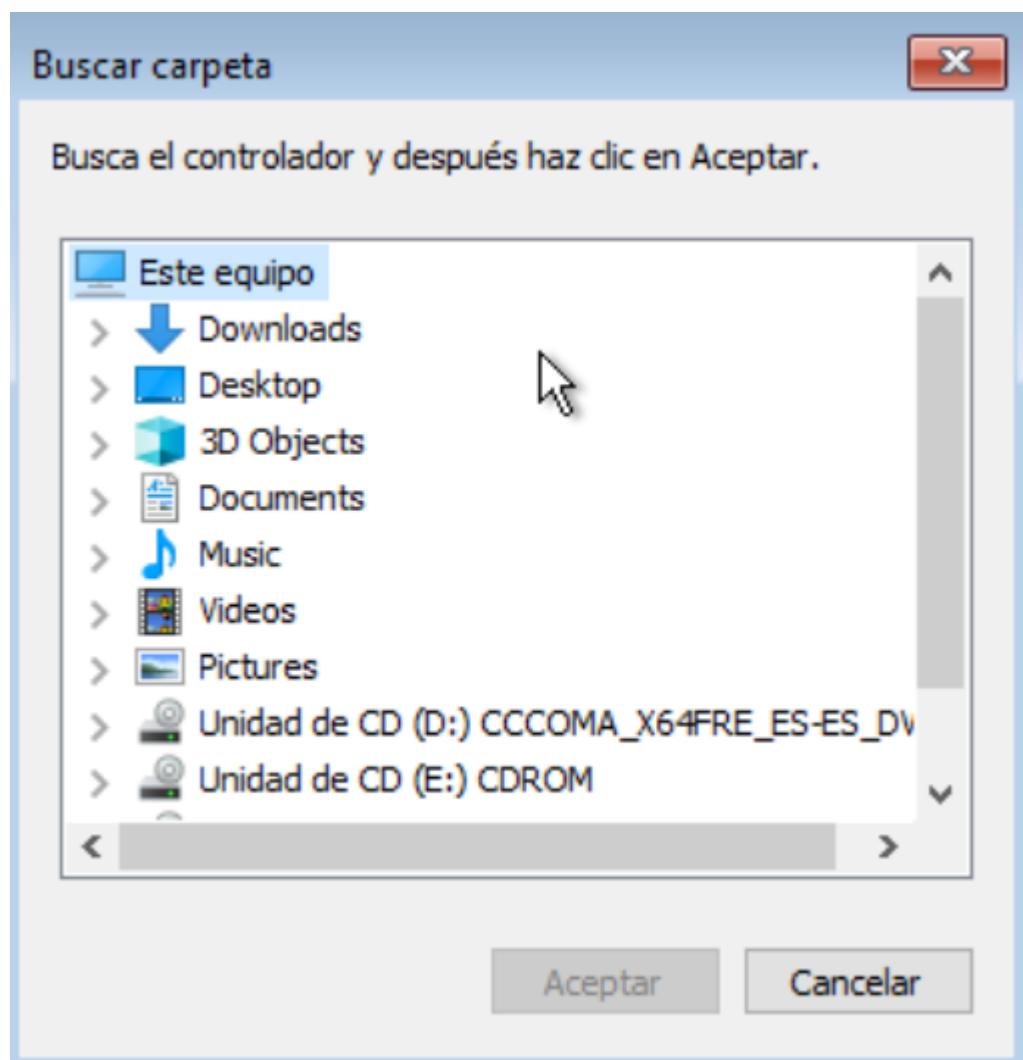


Press cargar contr.

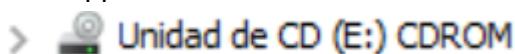


Press examinar

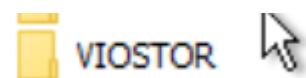




It will appear this



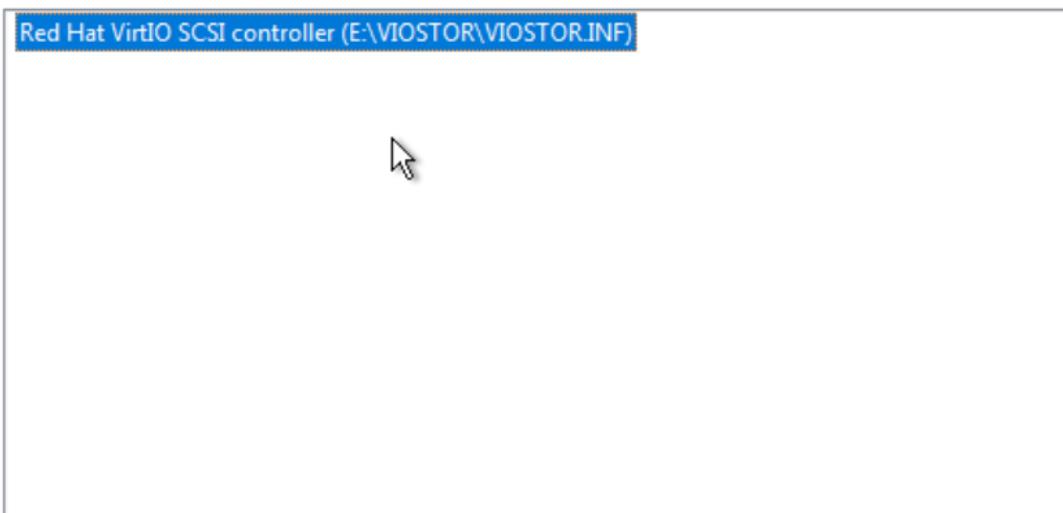
Inside that



Press this



Selecciona el controlador que quieras instalar



Ocultar controladores que no son compatibles con el hardware de este equipo.

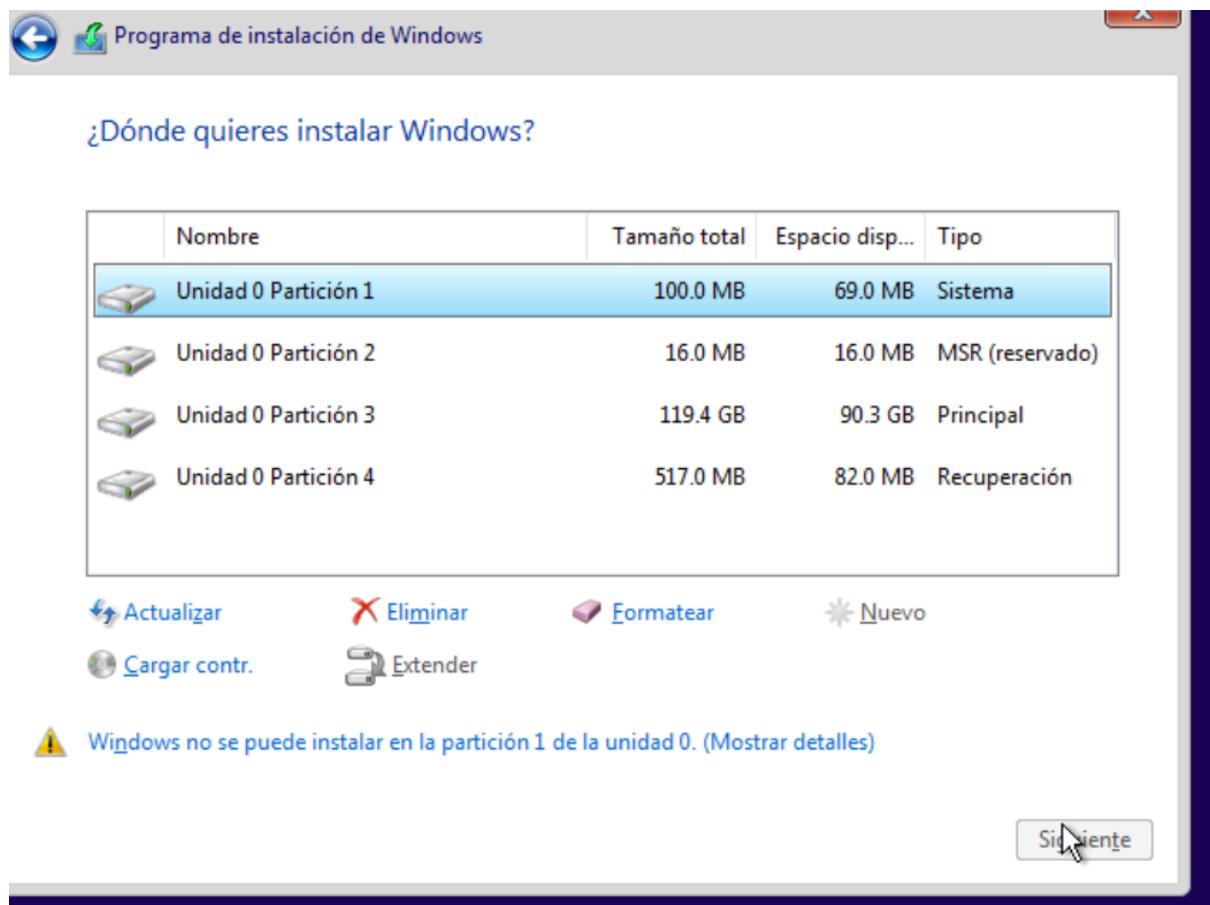
[Examinar](#)

[Volver a detectar](#)

[Siguiente](#)

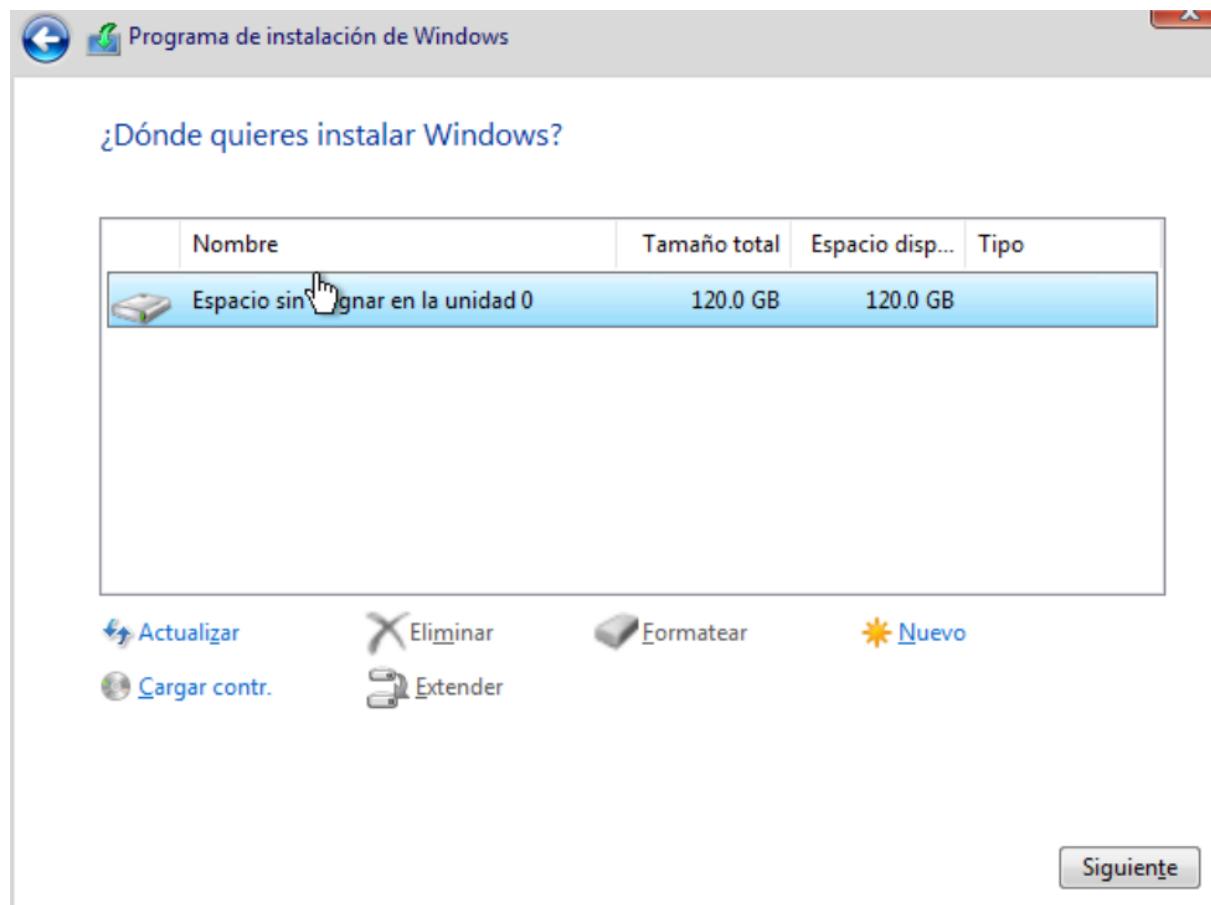
It will be like this and press siguiente





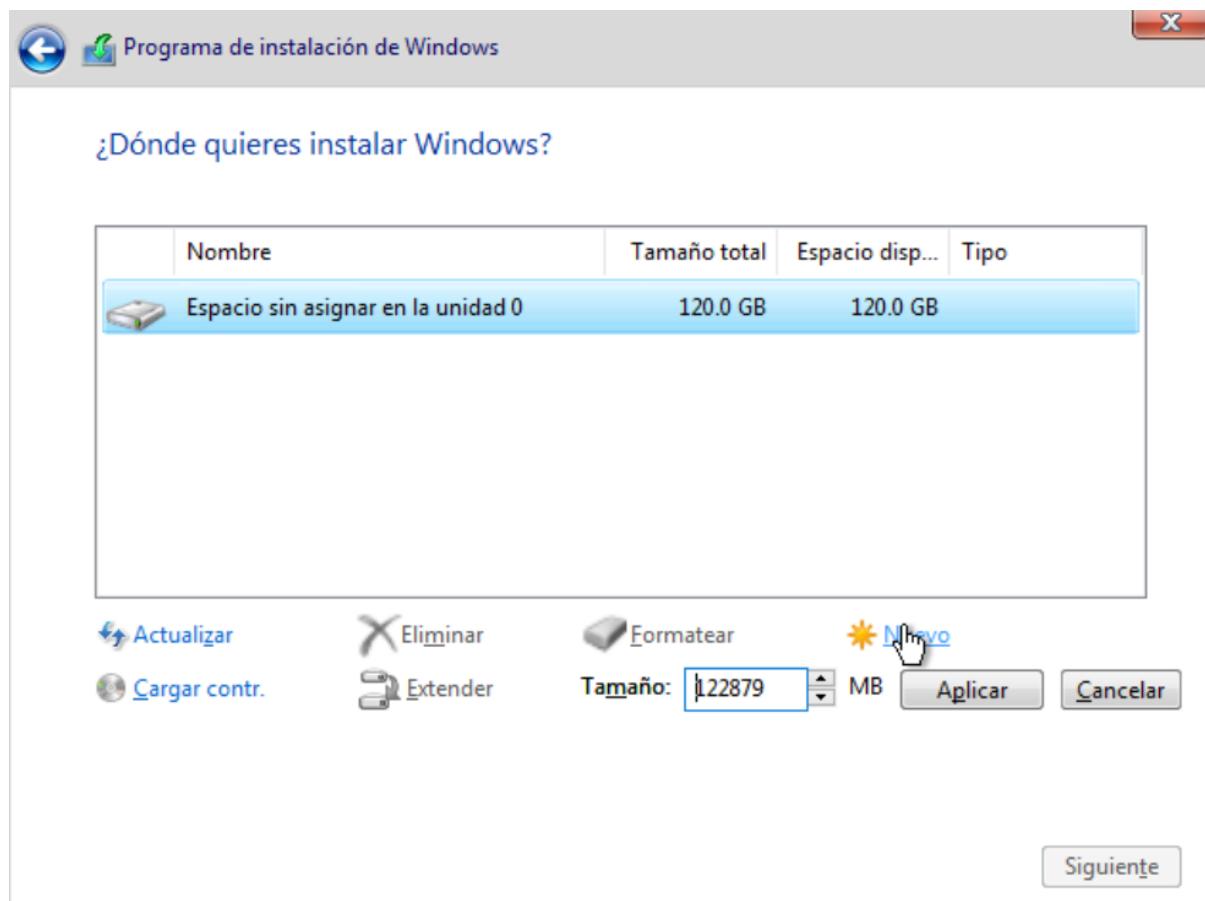
Here we can see the partitions, we can left the partitions like that or make new ones





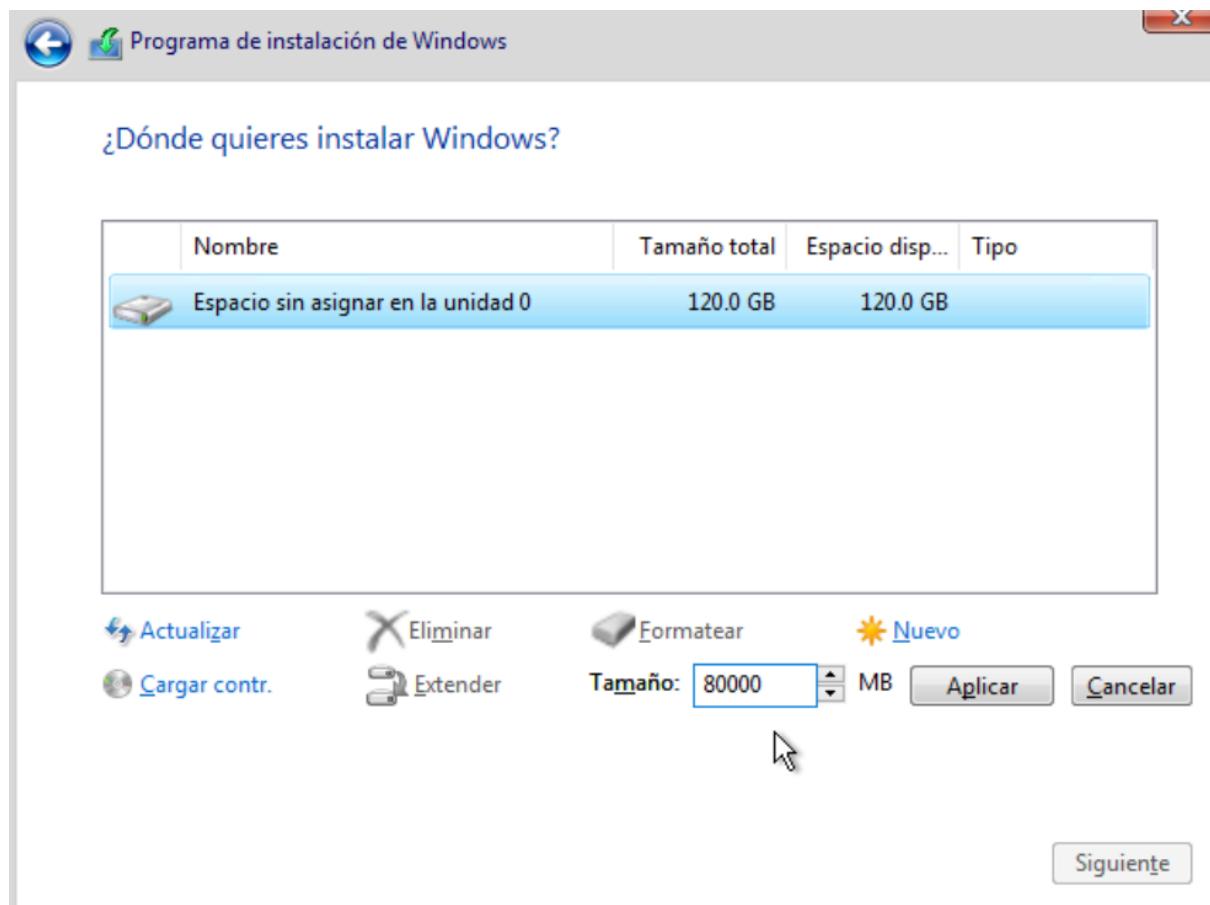
After erasing everything we will press nuevo and make new partitions





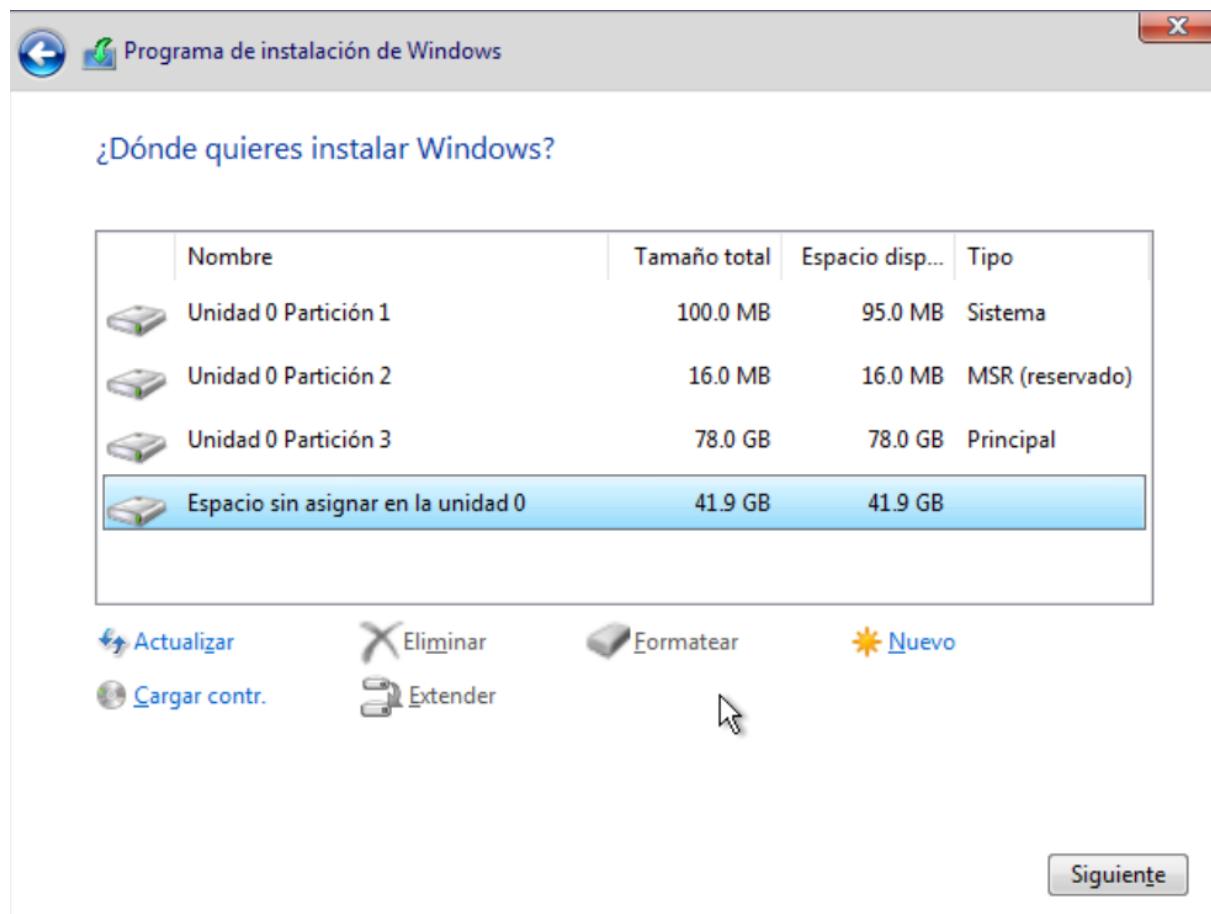
We will choose 80 GB for the windows partition





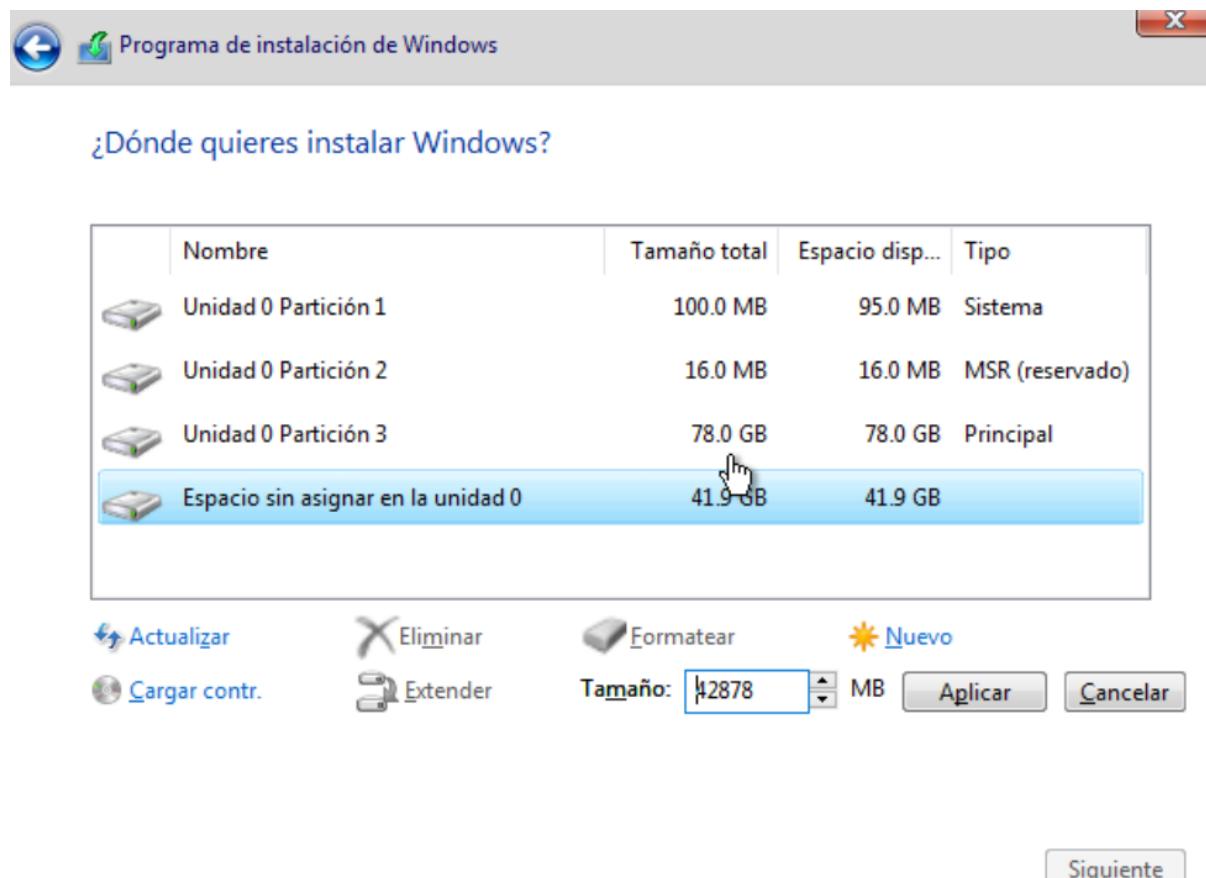
Horrela geratuko da





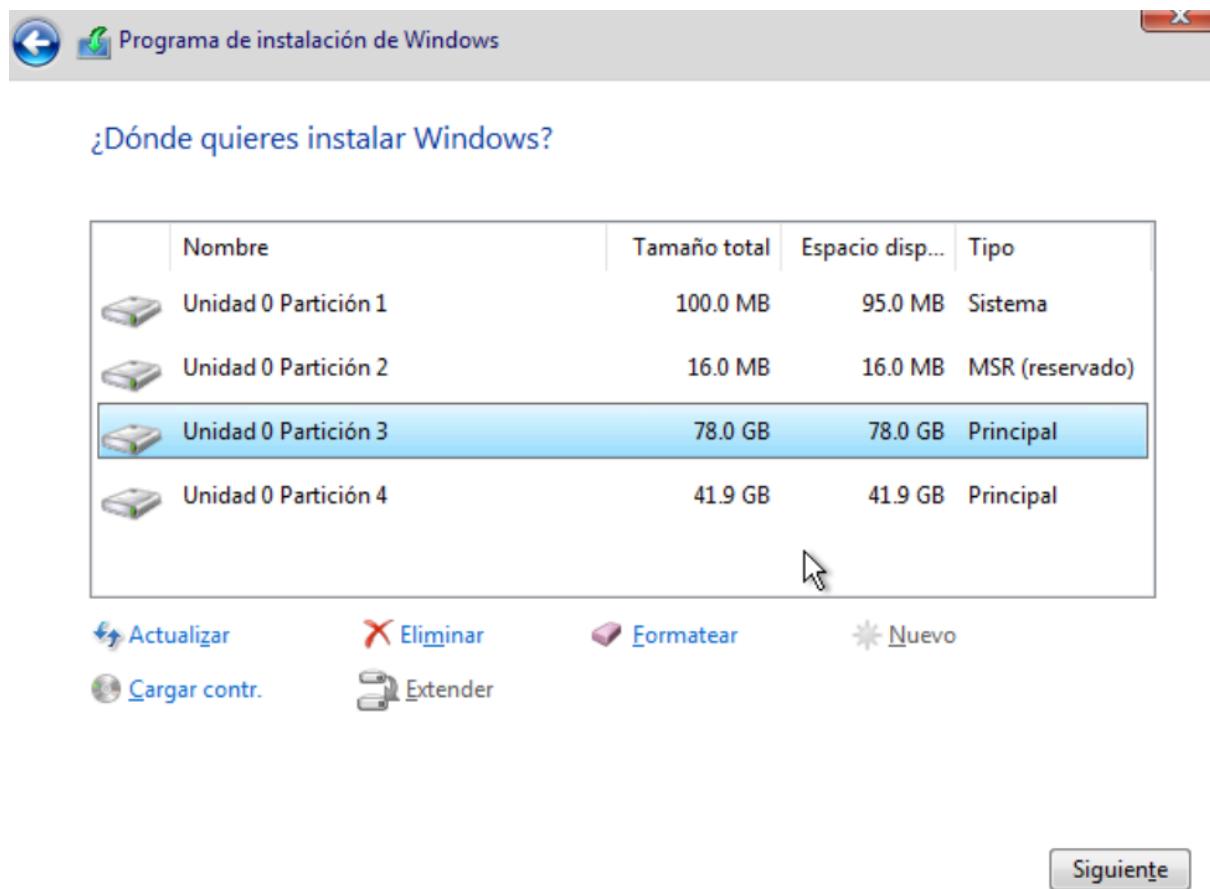
Here we press nuevo again





and then aplicar





we choose the biggest partition for installing windows so click 3 and then siguiente





you will get this screen and then the virtual machine will restart, so we have to close the machine







Proba

erabiltzailea: administrator p...

C Apagando

Forzar parada

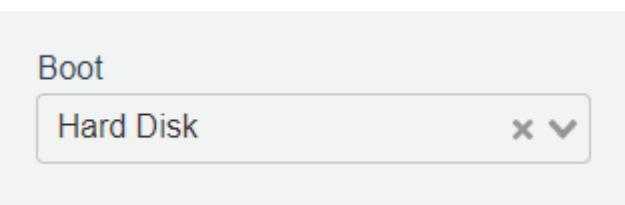
Plantilla: T4 Win 10 Eus 01...

Acceder con visor:

VNC en navegador



And now we edit the boot



We change it from cd back to hard disk and restart the machine





Now we have to install windows



Empecemos con la región, ¿de acuerdo?

Eritrea

Eslovaquia

Eslovenia

España

Sí

Choose the option that you prefer we choose this



¿Es esta la distribución de teclado adecuada?

Si usas otra distribución del teclado, puedes agregarla a continuación.

Español

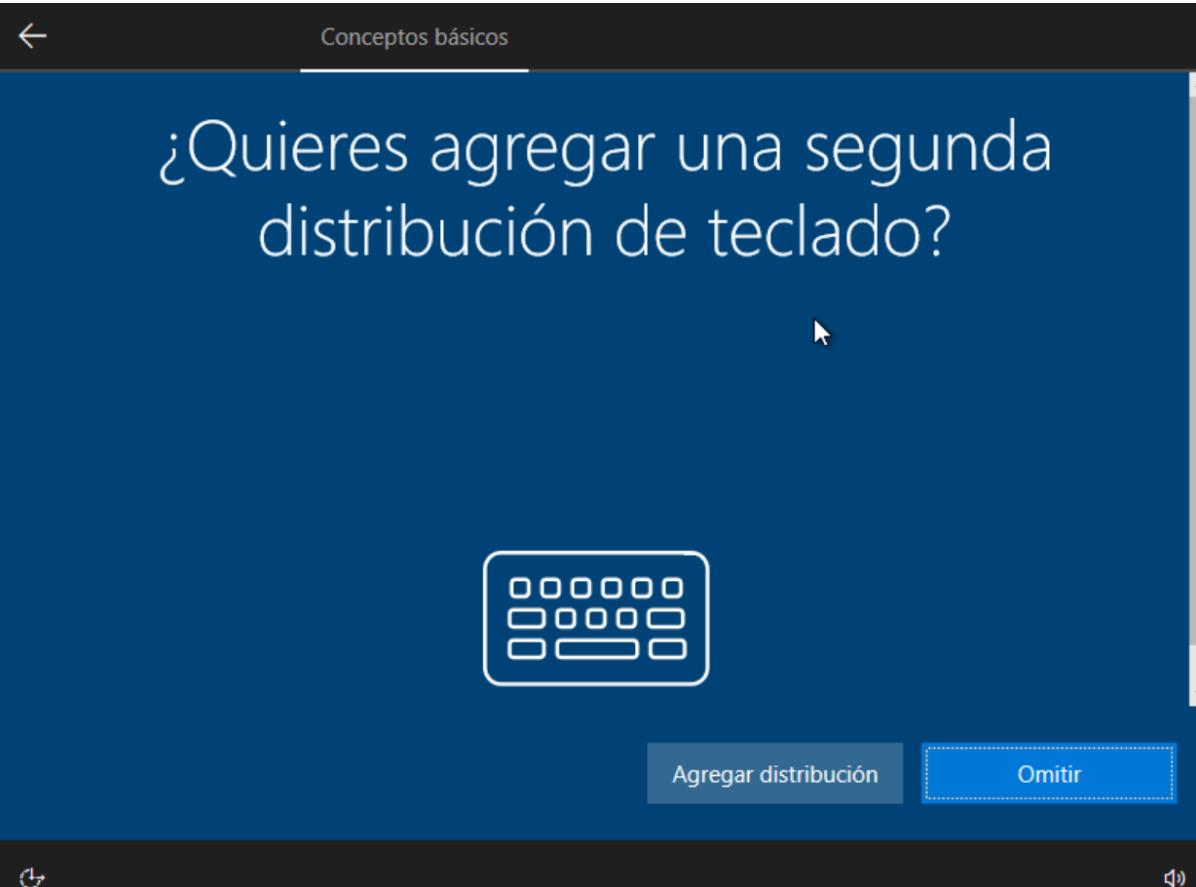
Latinoamérica

Variación del español

Albanés

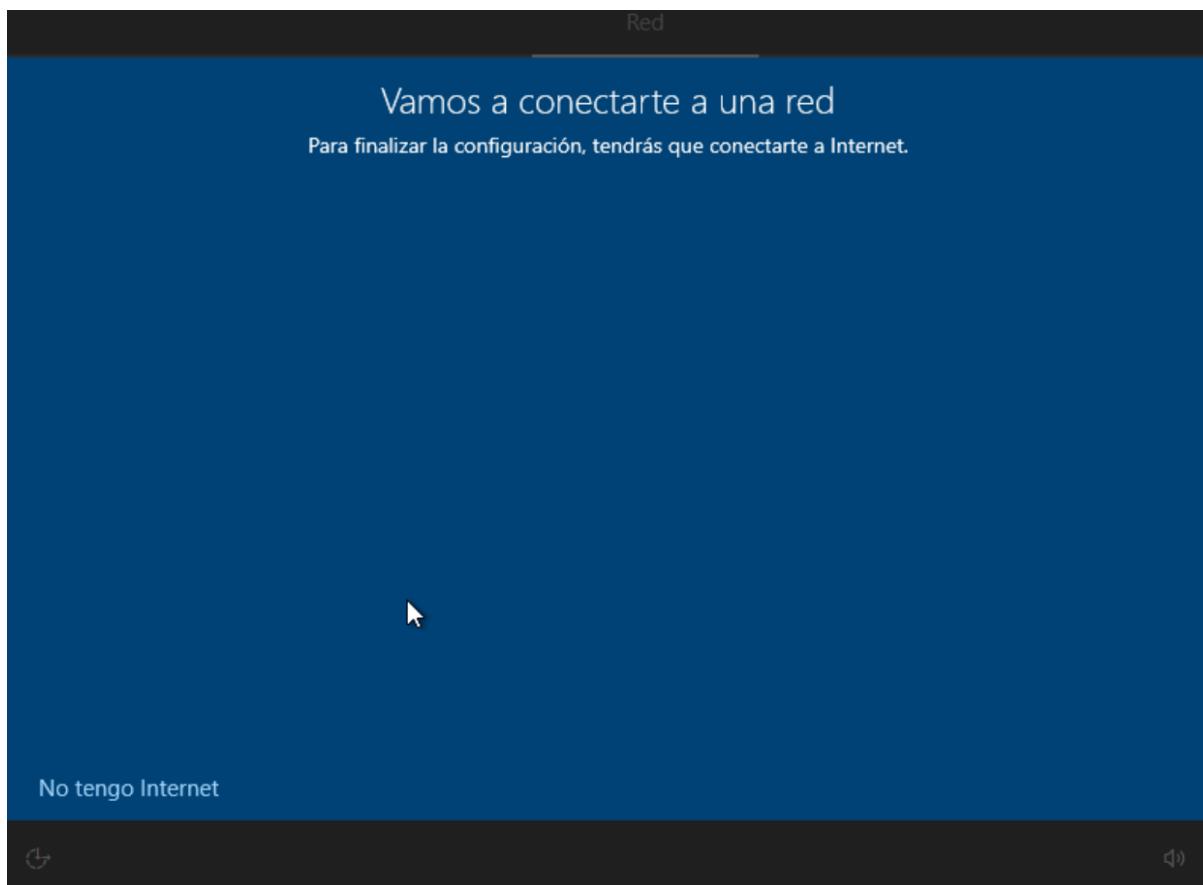
Sí





Here we press Omitir





We press no tengo internet

Hay mucha más información por descubrir si te conectas a Internet

Accede a la gama completa de aplicaciones que te ayudan a trabajar y jugar a gusto cuando te conectas a una red e inicias sesión con Microsoft. Además de poder navegar en Internet, recibir correos electrónicos y trabajar con todos los dispositivos, también obtendrás características y seguridad mejoradas.

Configuración completa con cuenta de Microsoft

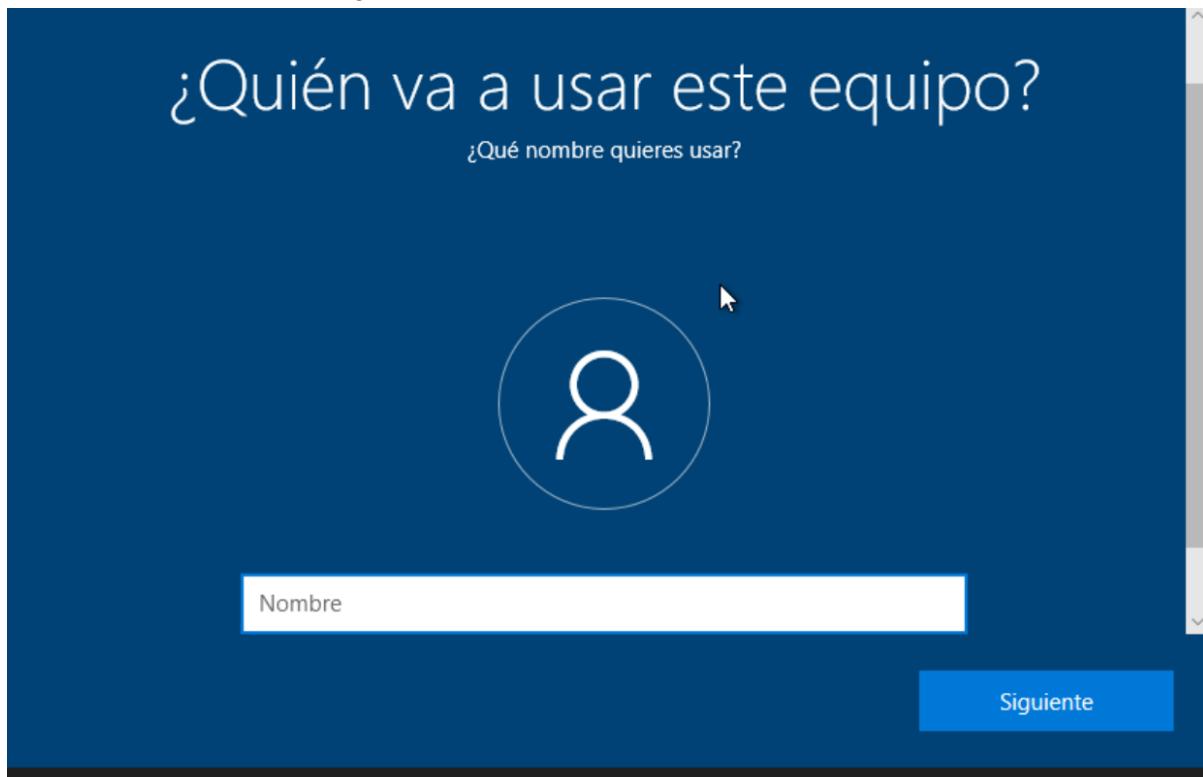
Seguridad avanzada y privacidad Protege el dispositivo y los datos personales	✓
Acceso gratuito a Office Online, Outlook, Skype y mucho más Office Online, Outlook, Skype, almacenamiento gratuito en la nube de OneDrive y mucho más	✓

Continuar con la configuración limitada

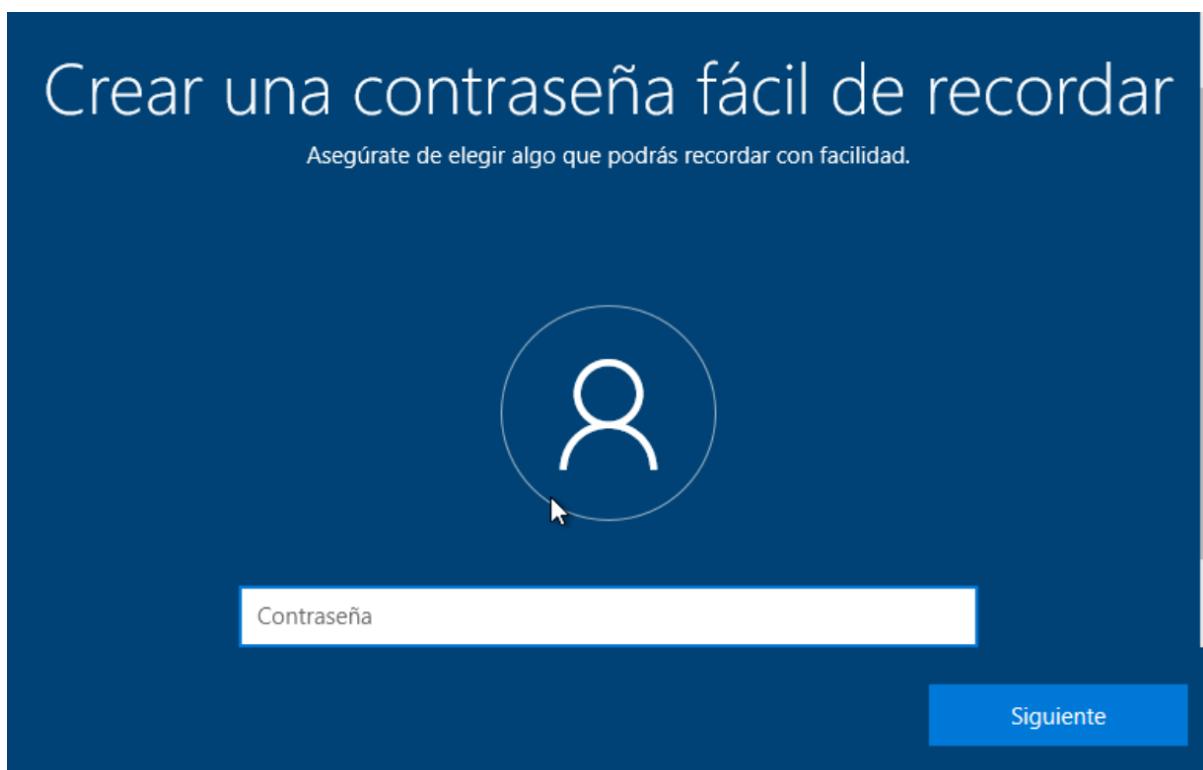
Conectar ahora



Here continuar con la configuración limitada

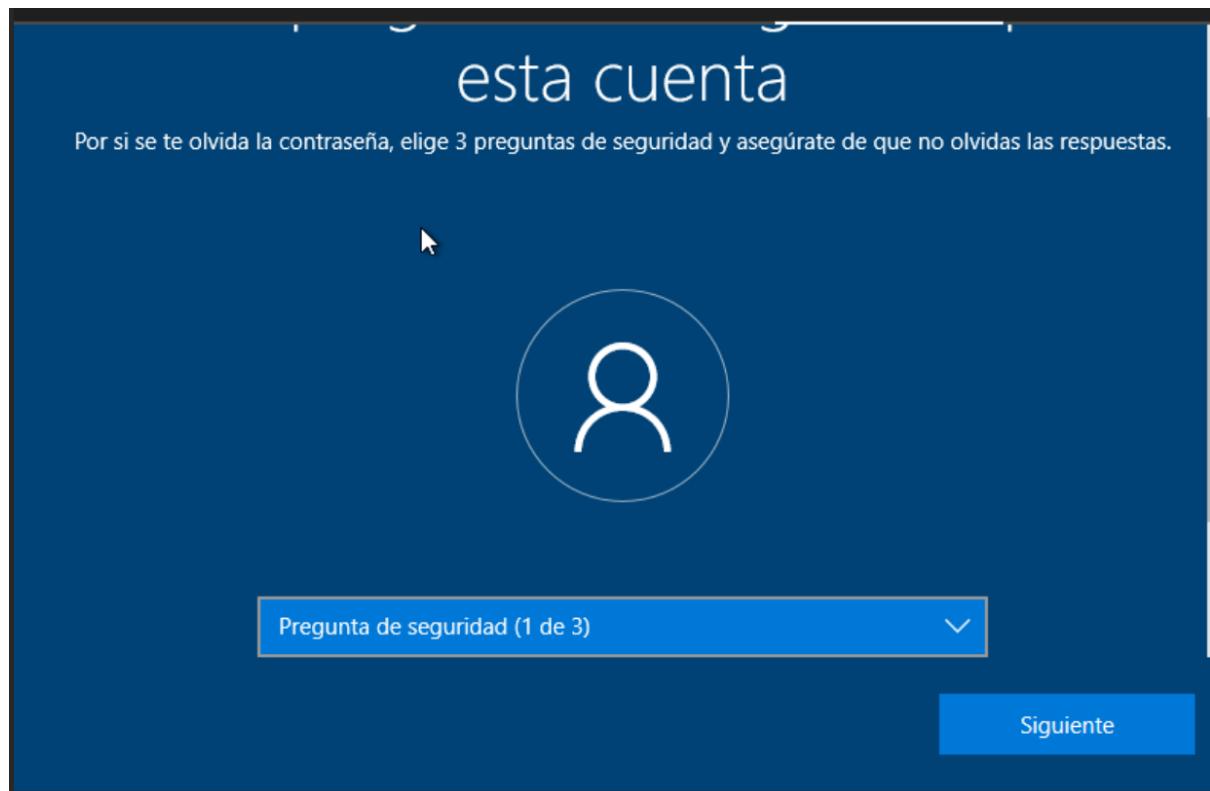


Enter the name of the user



Here the password and then re enter the same password when you are asked





Here you choose the security question and answers

A screenshot of a Windows location settings dialog box. The title is "Permitir que Microsoft y las aplicaciones usen tu ubicación". A descriptive text explains the benefits of enabling location services. Two radio buttons are shown: "Sí" (selected) and "No". At the bottom are "Más información" and "Aceptar" buttons.

This option and the next ones better if you choose no or the less intrusive option



Permitir que Microsoft y las aplicaciones usen tu ubicación

Elige la configuración y selecciona "Aceptar" para guardarla. Haz clic en el enlace "Más información" para obtener detalles sobre la configuración, cómo cambiarla, cómo funciona SmartScreen de Microsoft Defender, así como las transferencias y usos de datos relacionados.

las aplicaciones soliciten tu ubicación y permite que Microsoft use los datos de ubicación.



No

No podrás obtener servicios basados en la ubicación como, por ejemplo, indicaciones y el tiempo, ni podrás disfrutar de otros servicios que requieran tu ubicación para funcionar.

Más información

Aceptar

Encontrar mi dispositivo

Elige la configuración y selecciona "Aceptar" para guardarla. Haz clic en el enlace "Más información" para obtener detalles sobre la configuración, cómo cambiarla, cómo funciona SmartScreen de Microsoft Defender, así como las transferencias y usos de datos relacionados.



Sí

Activa "Encontrar mi dispositivo" y usa los datos de ubicación del dispositivo para que puedas encontrarlo si se te pierde. Para poder usar esta característica tienes que iniciar sesión en Windows con una cuenta de Microsoft.



No

Windows no podrá ayudarte a realizar el seguimiento del

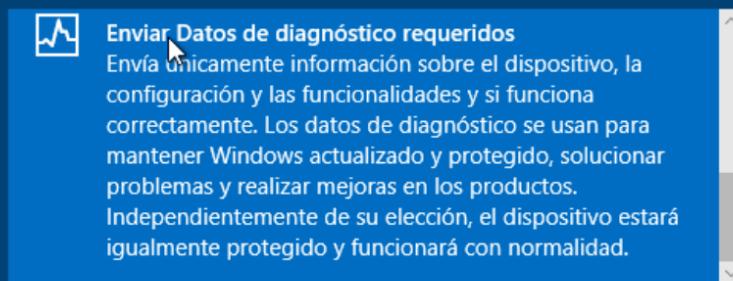
Más información

Aceptar



Enviar datos de diagnóstico a Microsoft

Elige la configuración y selecciona "Aceptar" para guardarla. Haz clic en el enlace "Más información" para obtener detalles sobre la configuración, cómo cambiarla, cómo funciona SmartScreen de Microsoft Defender, así como las transferencias y usos de datos relacionados.

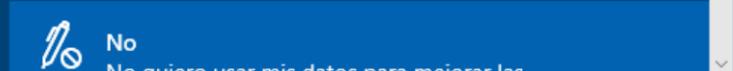
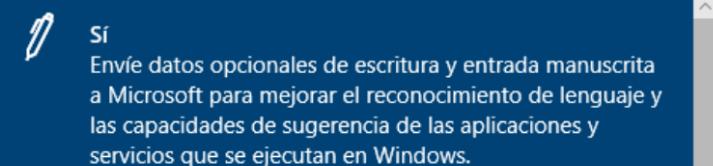


[Más información](#)

[Aceptar](#)

Mejorar las entradas manuscritas y la escritura

Elige la configuración y selecciona "Aceptar" para guardarla. Haz clic en el enlace "Más información" para obtener detalles sobre la configuración, cómo cambiarla, cómo funciona SmartScreen de Microsoft Defender, así como las transferencias y usos de datos relacionados.



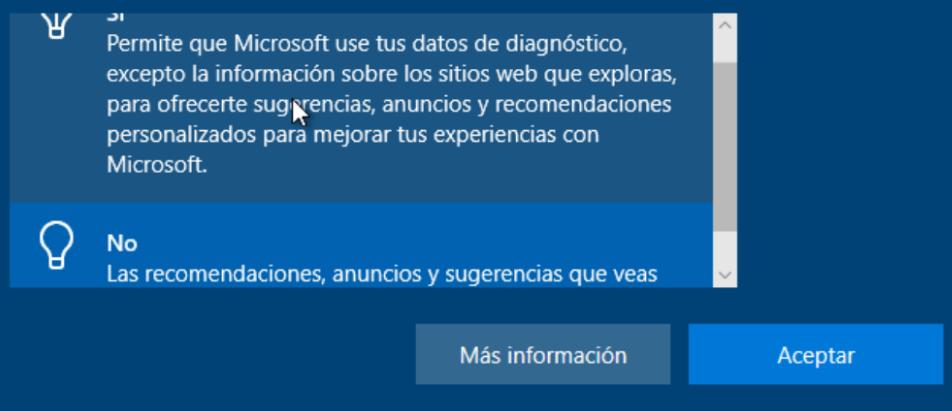
[Más información](#)

[Aceptar](#)



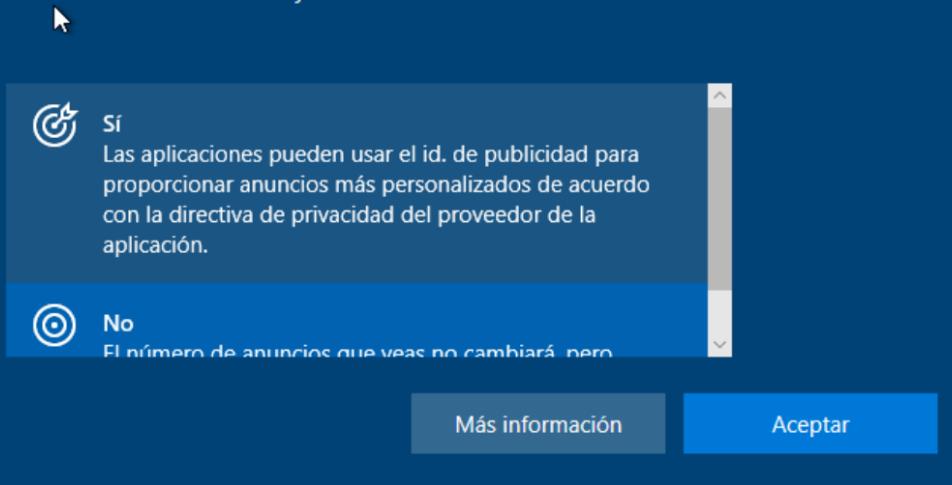
Obtener experiencias personalizadas gracias a los datos de diagnóstico

Elige la configuración y selecciona "Aceptar" para guardarla. Haz clic en el enlace "Más información" para obtener detalles sobre la configuración, cómo cambiarla, cómo funciona SmartScreen de Microsoft Defender, así como las transferencias y usos de datos relacionados.



Permitir que las aplicaciones usen el id. de publicidad

Elige la configuración y selecciona "Aceptar" para guardarla. Haz clic en el enlace "Más información" para obtener detalles sobre la configuración, cómo cambiarla, cómo funciona SmartScreen de Microsoft Defender, así como las transferencias y usos de datos relacionados.



Deja que Cortana te ayude a hacer todo

Para ello, Cortana necesita acceso a parte de tu información personal



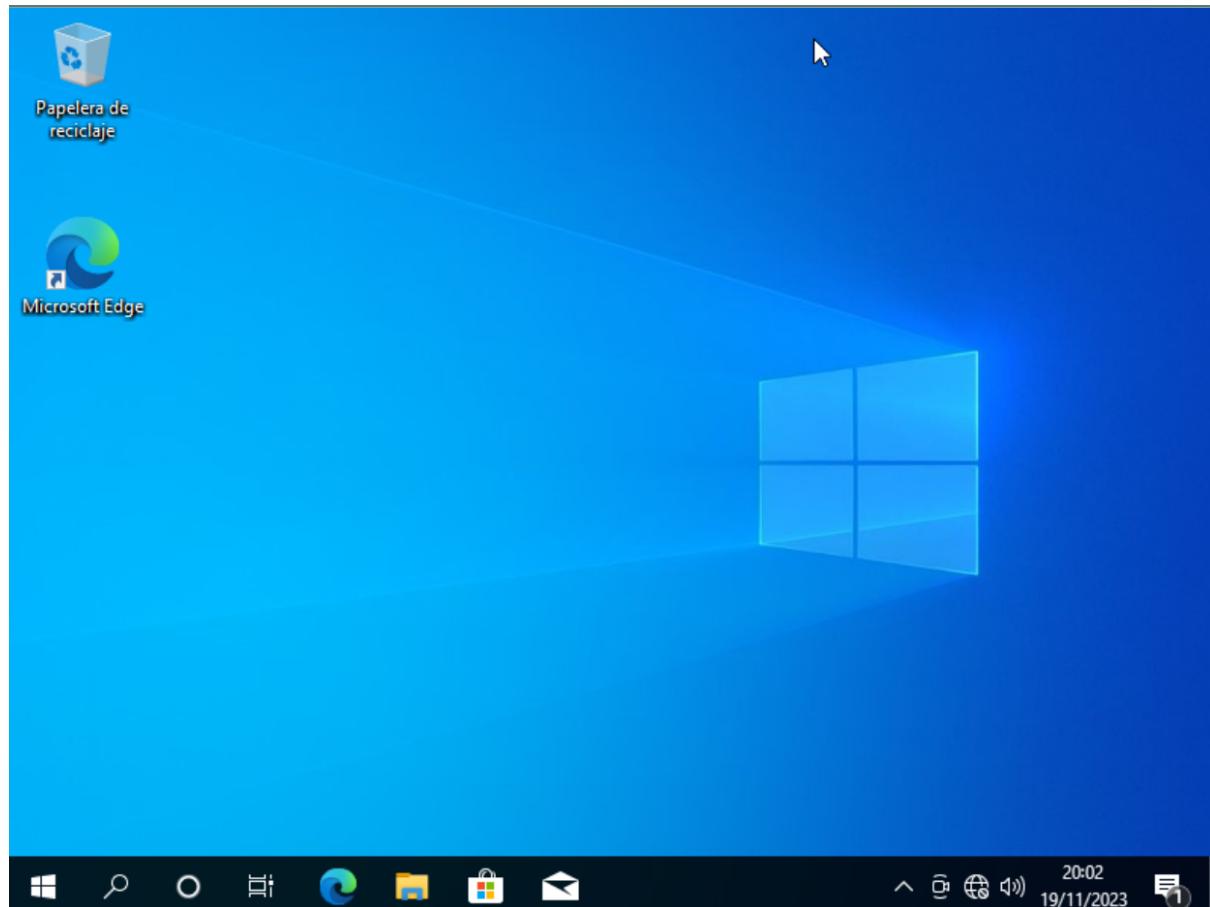
Más información

Ahora no

Aceptar

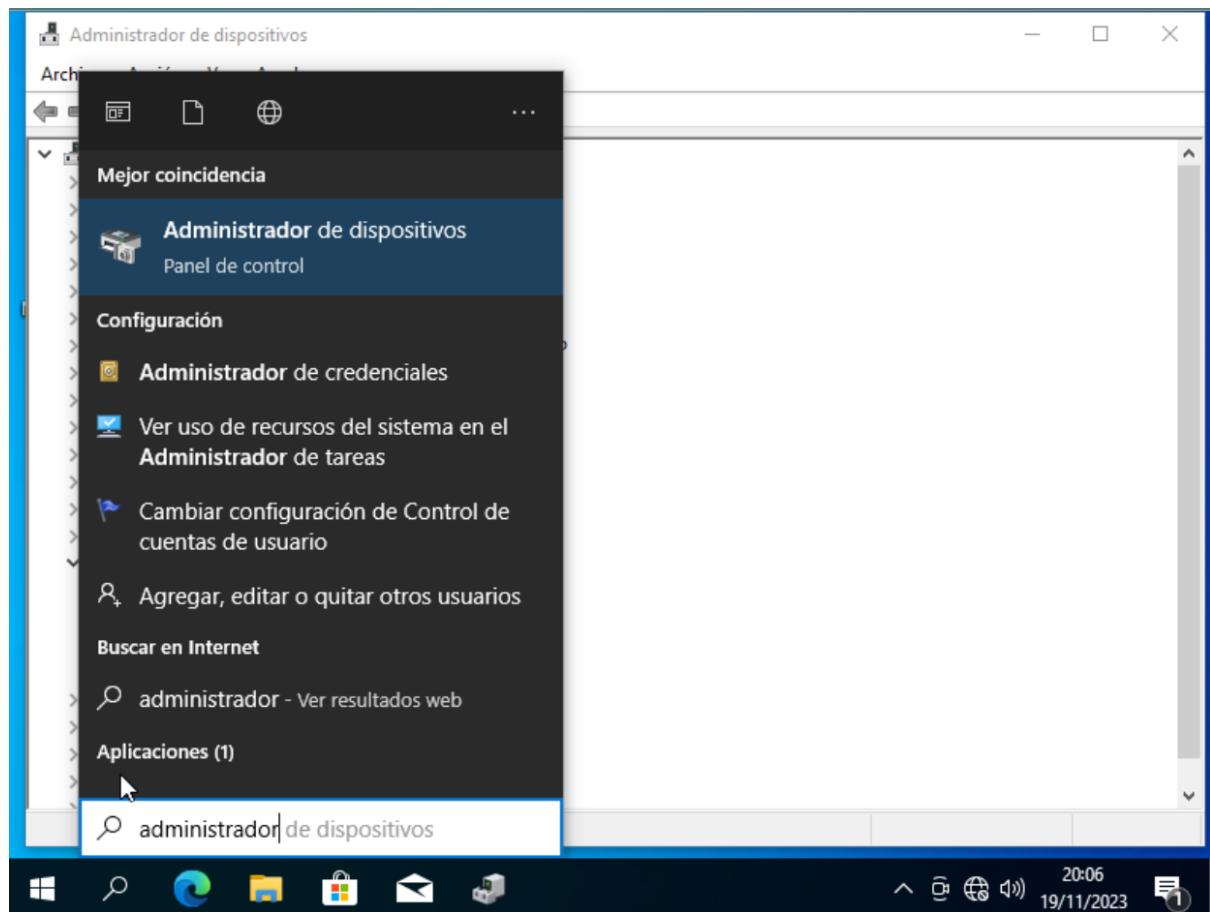
Here if you don't want cortana to bother you choose ahora no





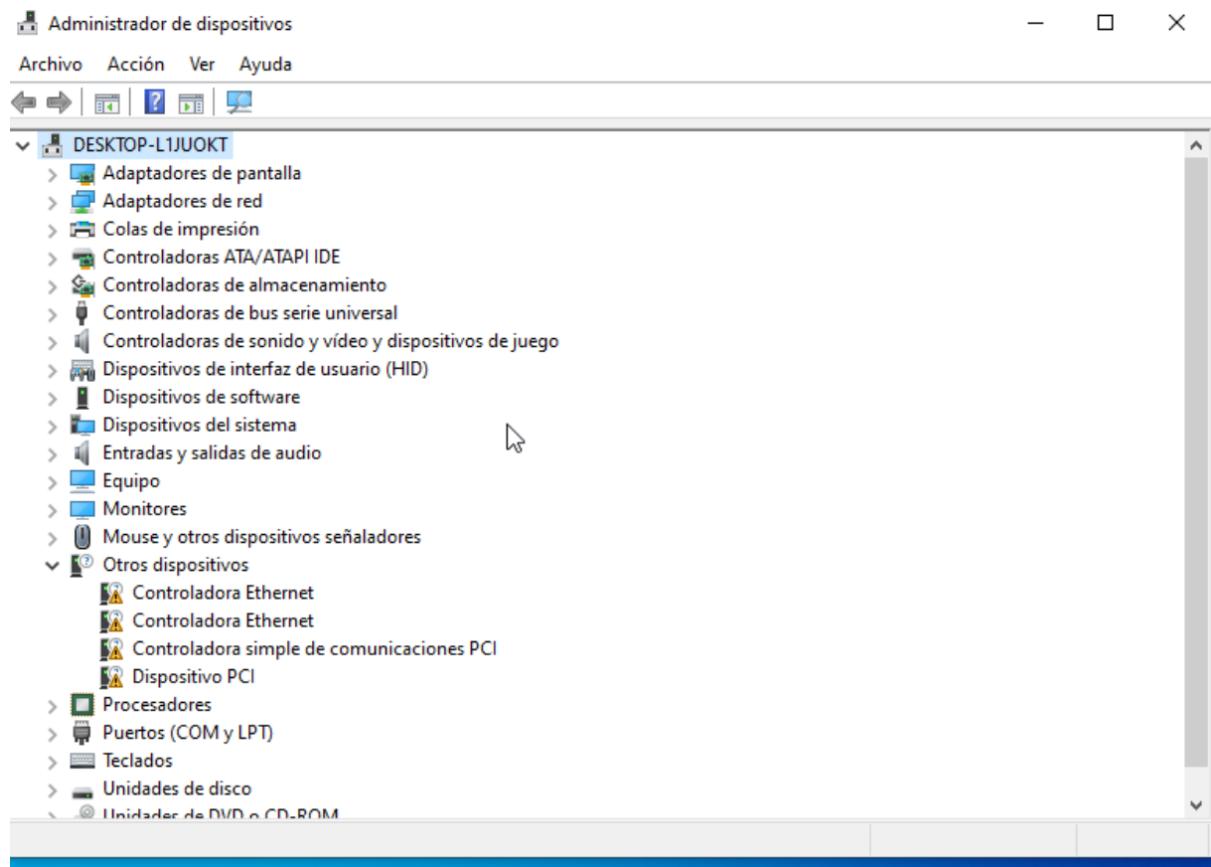
Now we have to install de the net driver





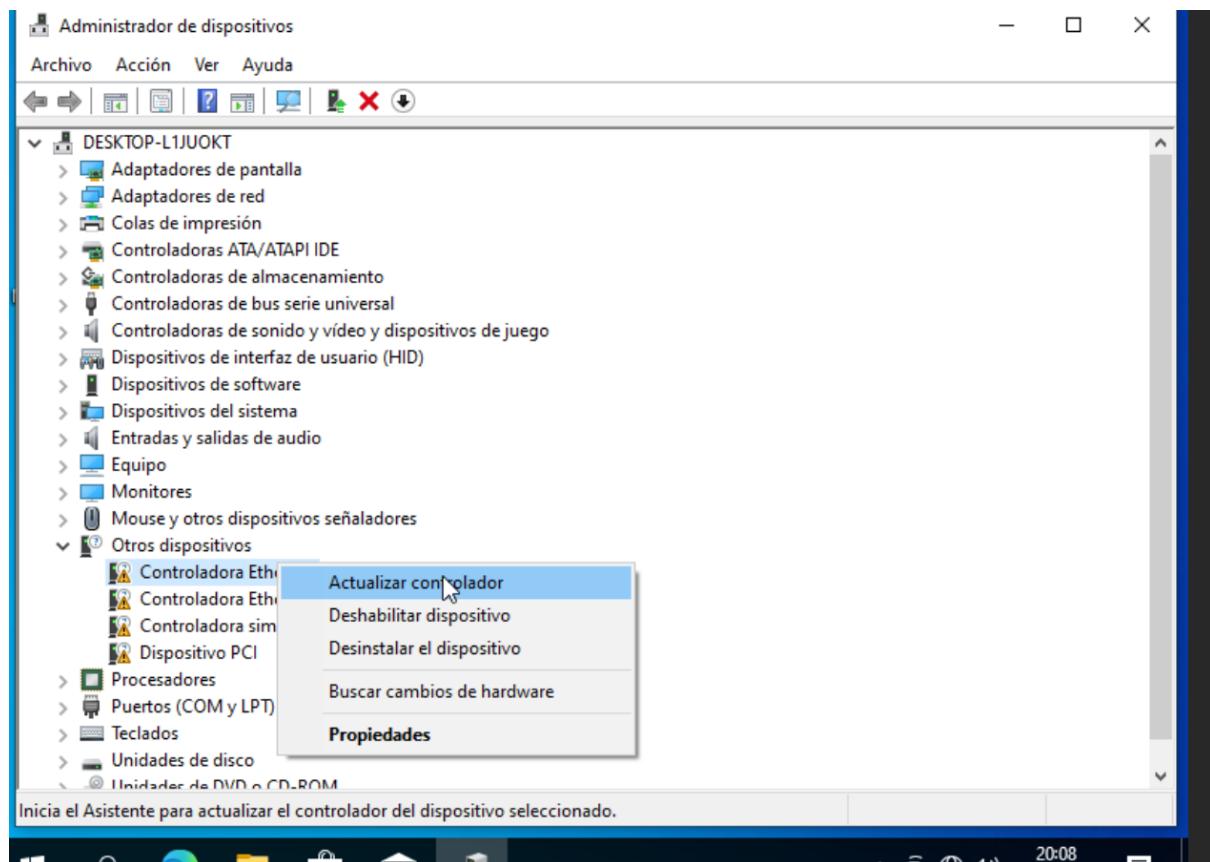
We use the windows menu and search for administrador de dispositivos





Right click on controladora ethernet





Click on actualizar controlador



X

←  Actualizar controladores - Controladora Ethernet

¿Cómo quieres buscar controladores?

→ Buscar controladores automáticamente

Windows buscará el mejor controlador disponible en el equipo y lo instalará en el dispositivo.

→ Examinar mi PC en busca de controladores

Busca e instala un controlador manualmente.

Cancelar

Click on examinar mi PC



← Actualizar controladores - Controladora Ethernet

Buscar controladores en el equipo

Buscar controladores en esta ubicación:

C:\Users\Proba\Documents

Examinar...

Incluir subcarpetas

→ Elegir en una lista de controladores disponibles en el equipo

Esta lista mostrará los controladores disponibles compatibles con el dispositivo y todos los controladores que estén en la misma categoría que el dispositivo.

Siguiente

Cancelar

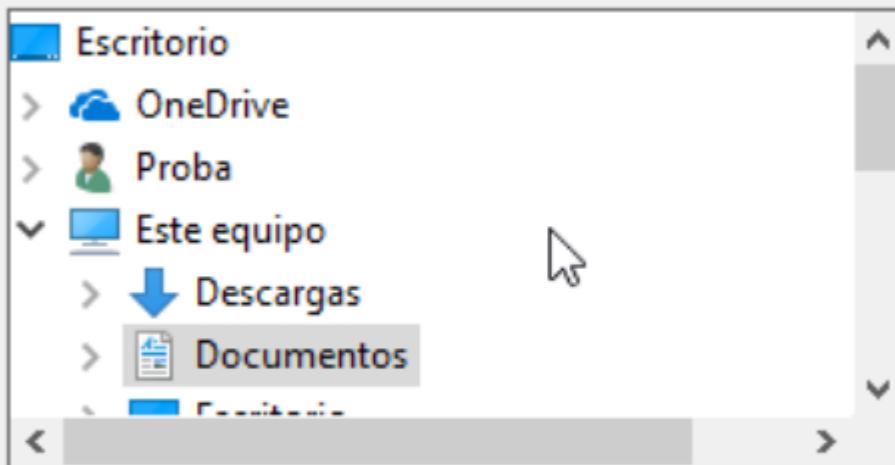
Click on the examinar button



Buscar carpeta

X

Seleccione la carpeta que contiene los controladores para su hardware.



Carpeta: Documentos

Aceptar

Cancelar

Search for this



Buscar carpeta

X

Seleccione la carpeta que contiene los controladores para su hardware.

- >  Disco local (C:)
- >  Unidad de CD (D:) CCCOMA_X64FRE_ES
- >  Unidad de CD (E:) CDROM
- >  Unidad de CD (F:) virtio-win-0.1.1
- >  Bibliotecas 
- >  Red

Carpeta:

Aceptar

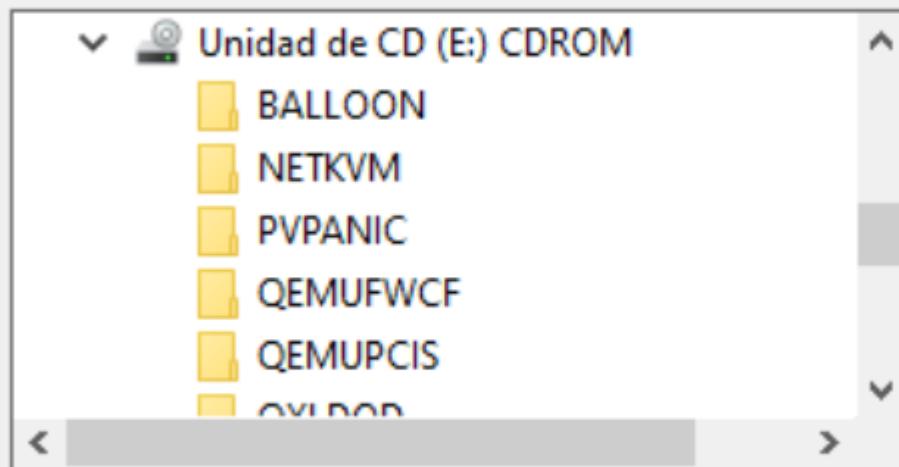
Cancelar



Buscar carpeta

X

Seleccione la carpeta que contiene los controladores para su hardware.



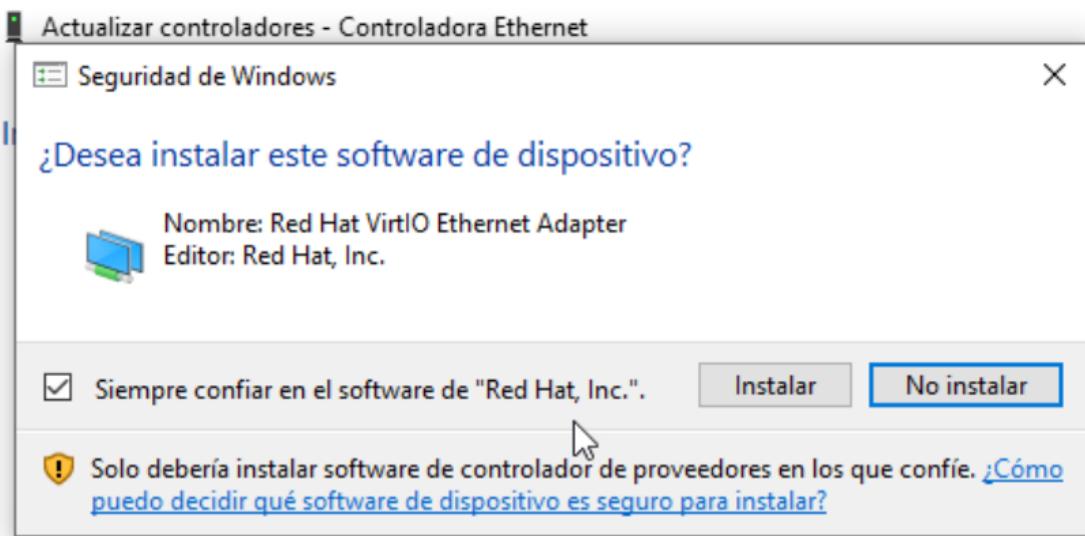
Carpeta: Unidad de CD (F:) virtio-win-0.1.1

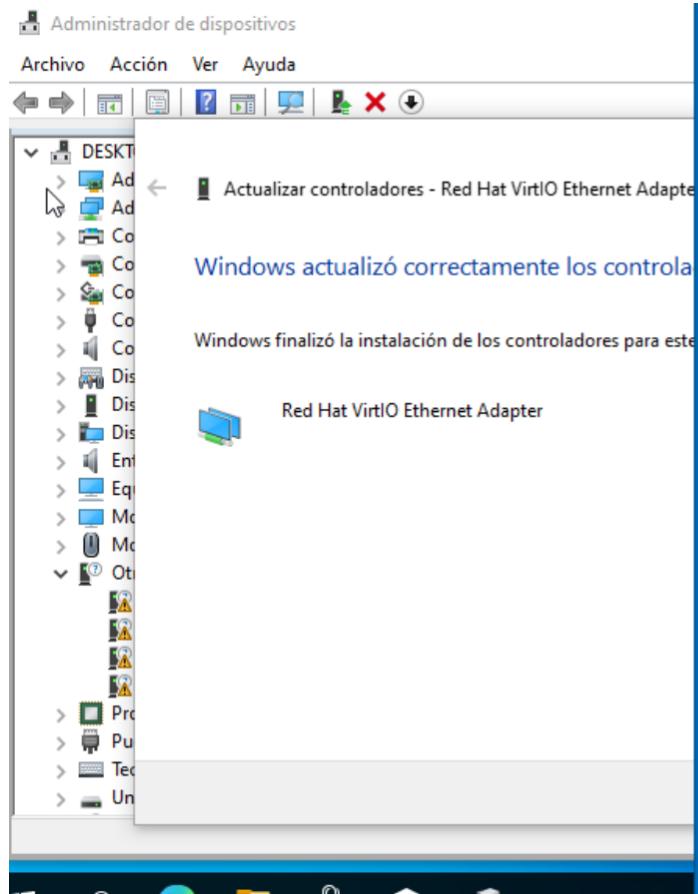
Aceptar

Cancelar

Click on NETKVM and then instalar







Click si

Redes



Red

¿Quieres permitir que otros PC y dispositivos de esta red puedan detectar tu PC?

Te recomendamos que permitas esto en tus redes domésticas y de trabajo, pero no en las públicas.

Sí

No



X

← Actualizar controladores - Red Hat VirtIO Ethernet Adapter

Windows actualizó correctamente los controladores

Windows finalizó la instalación de los controladores para este dispositivo:

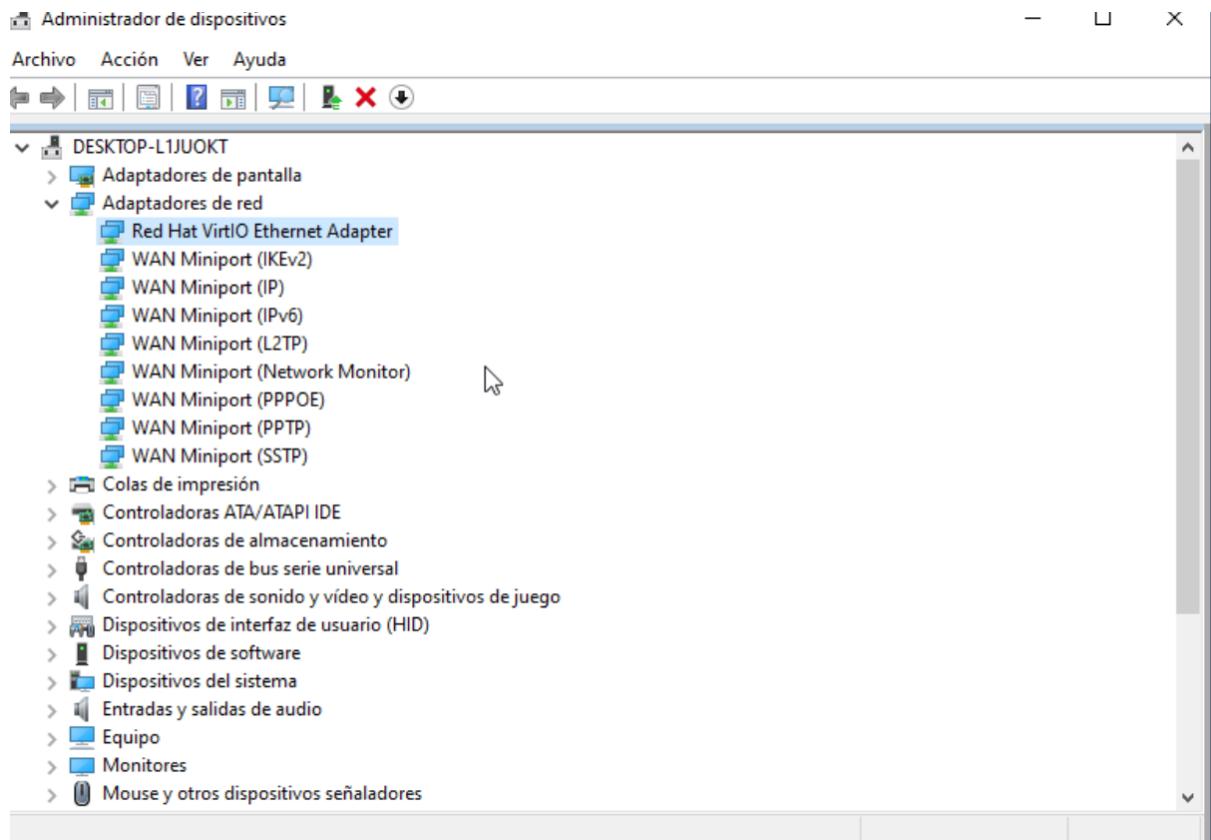


Red Hat VirtIO Ethernet Adapter

Cerrar

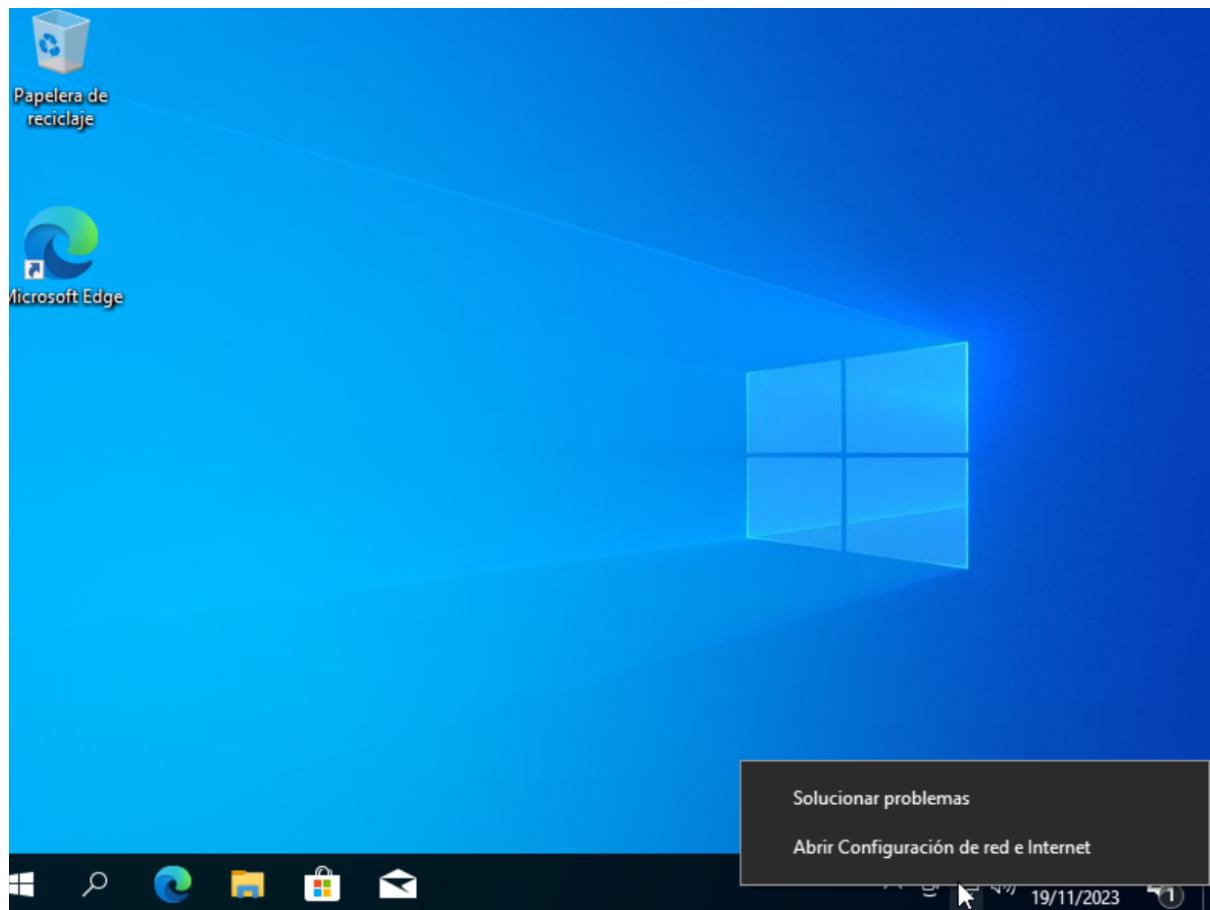
Click cerrar





Now for the shared folder we need to give our pc an IP address





Right click on the net icon and then click abrir configuración



Configuración

— □ ×

Buscar una configuración 

Red e Internet

 Estado

 Ethernet 

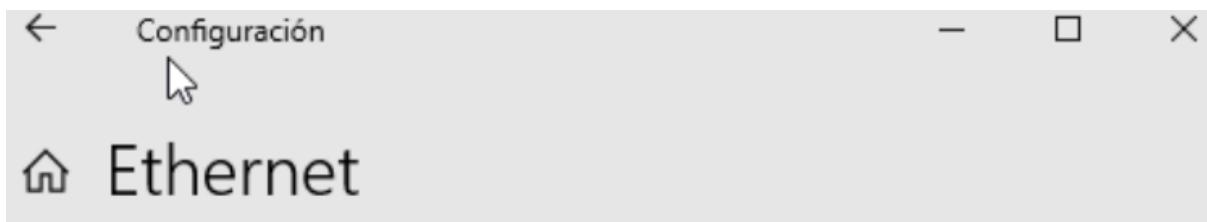
 Acceso telefónico

 VPN

 Proxy

Click there





Opciones de configuración relacionadas

[Cambiar opciones del adaptador](#)

[Cambiar opciones de uso compartido avanzadas](#)

[Centro de redes y recursos compartidos](#)

[Firewall de Windows](#)



[Obtener ayuda](#)



[Enviar comentarios](#)

Click opciones del adaptador





Configuración



Ethernet



Red

Conectado

Opciones de configuración relacionadas

Cambiar opciones del adaptador



[Cambiar opciones de uso compartido avanzadas](#)

[Centro de redes y recursos compartidos](#)

[Firewall de Windows](#)

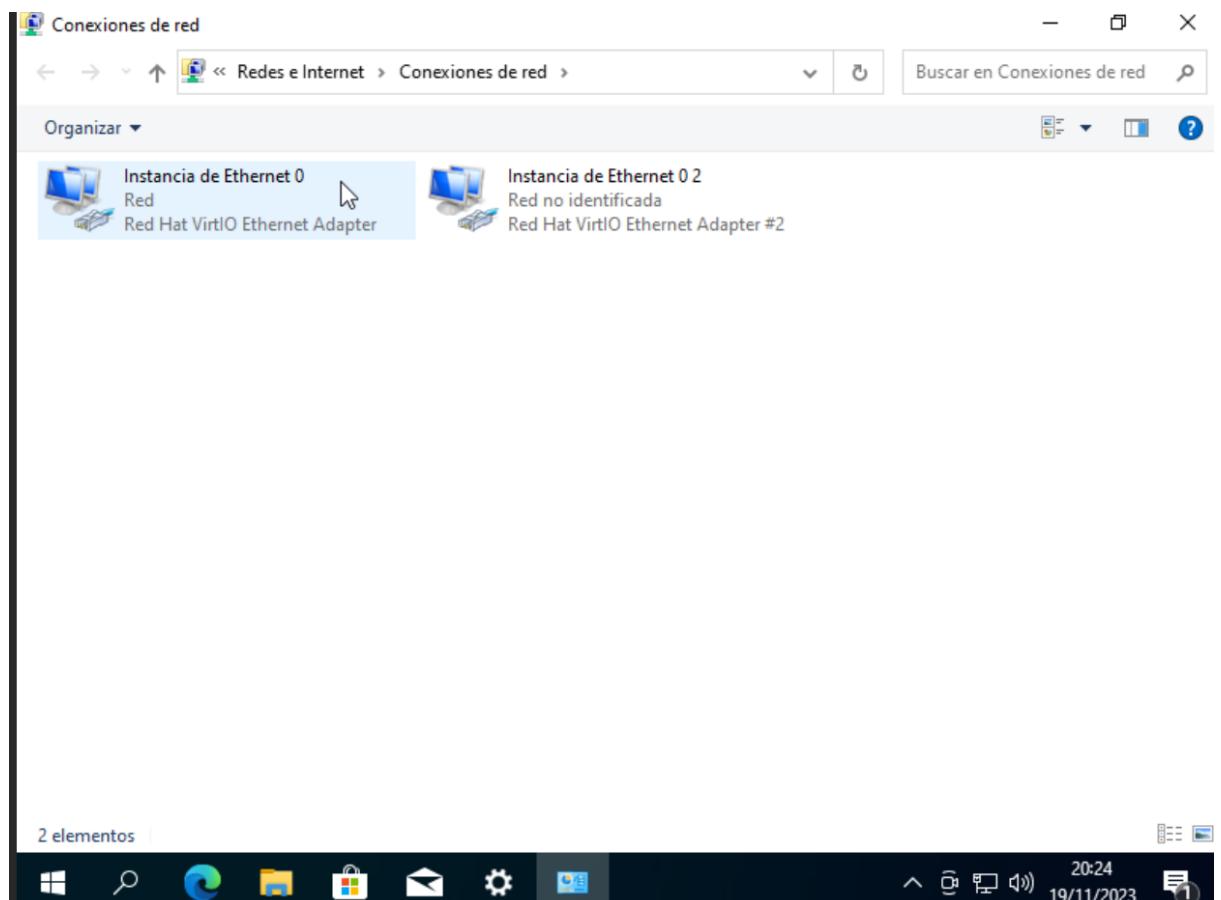


[Obtener ayuda](#)



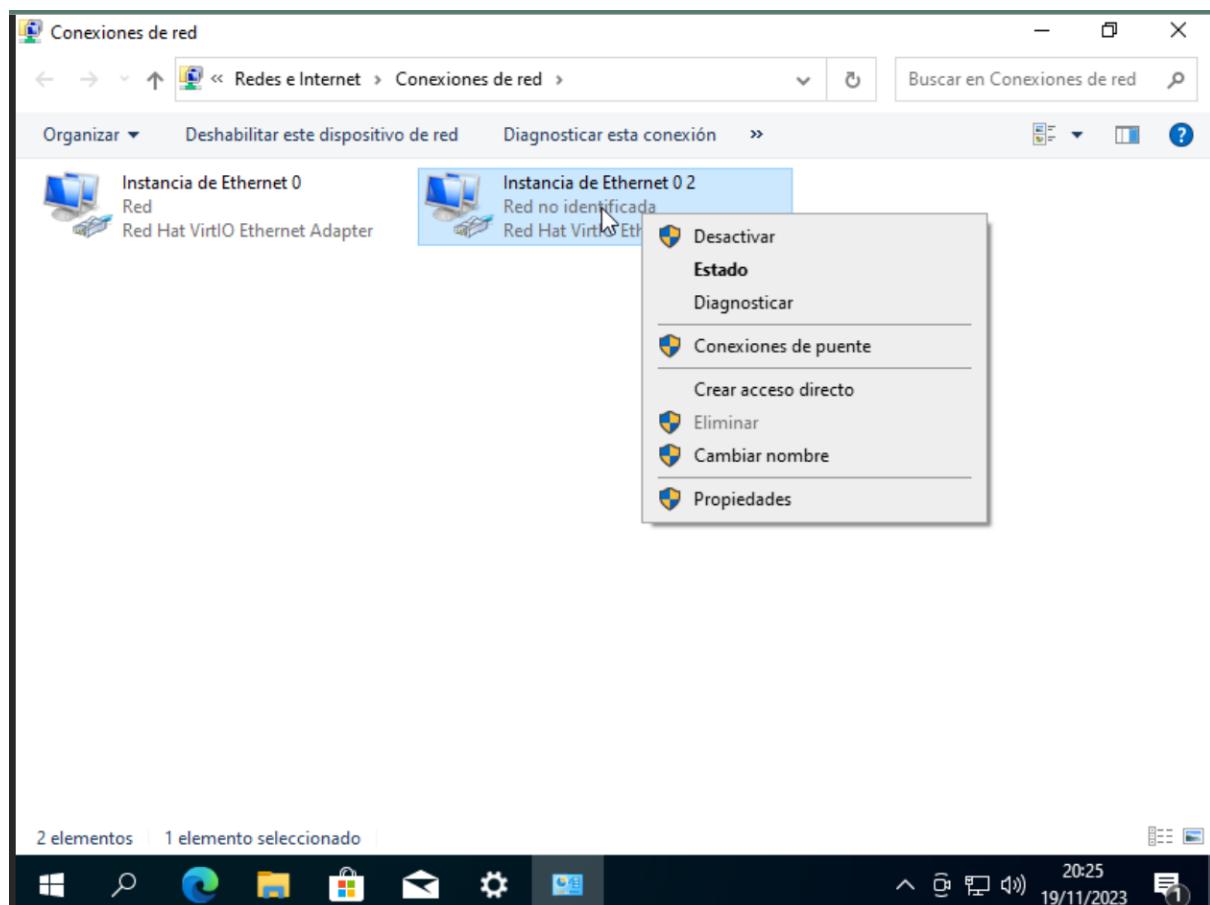
[Enviar comentarios](#)





Right click on the second one





Click on propiedades



Propiedades de Instancia de Ethernet 0 2

X

Funciones de red Uso compartido

Conectar con:

 Red Hat VirtIO Ethernet Adapter #2

Configurar...

Esta conexión usa los siguientes elementos:

- Cliente para redes Microsoft
- Uso compartido de archivos e impresoras para redes M
- Programador de paquetes QoS
- Protocolo de Internet versión 4 (TCP/IPv4)
- Protocolo de multiplexor de adaptador de red de Micros
- Controlador de protocolo LLDP de Microsoft
- Protocolo de Internet versión 6 (TCP/IPv6)



Instalar...

Desinstalar

Propiedades

Descripción

Protocolo TCP/IP. El protocolo de red de área extensa predeterminado que permite la comunicación entre varias redes conectadas entre sí.

Aceptar

Cancelar

Click on that option and then propiedades



Propiedades: Protocolo de Internet versión 4 (TCP/IPv4)

X

General Configuración alternativa

Puede hacer que la configuración IP se asigne automáticamente si la red es compatible con esta funcionalidad. De lo contrario, deberá consultar con el administrador de red cuál es la configuración IP apropiada.

Obtener una dirección IP automáticamente

Usar la siguiente dirección IP:

Dirección IP:

Máscara de subred:

Puerta de enlace predeterminada:

Obtener la dirección del servidor DNS automáticamente

Usar las siguientes direcciones de servidor DNS:

Servidor DNS preferido:

Servidor DNS alternativo:

Validar configuración al salir

Opciones avanzadas...

Aceptar

Cancelar

Here we choose an IP that is in our net, this for example



Propiedades: Protocolo de Internet versión 4 (TCP/IPv4)

X

General

Puede hacer que la configuración IP se asigne automáticamente si la red es compatible con esta funcionalidad. De lo contrario, deberá consultar con el administrador de red cuál es la configuración IP apropiada.

Obtener una dirección IP automáticamente

Usar la siguiente dirección IP:

Dirección IP:

192 . 168 . 40 . 10

Máscara de subred:

255 . 255 . 255 . 0

Puerta de enlace predeterminada:

. . . .

Obtener la dirección del servidor DNS automáticamente

Usar las siguientes direcciones de servidor DNS:

Servidor DNS preferido:

. . . .

Servidor DNS alternativo:

. . . .

Validar configuración al salir

Opciones avanzadas...

Aceptar

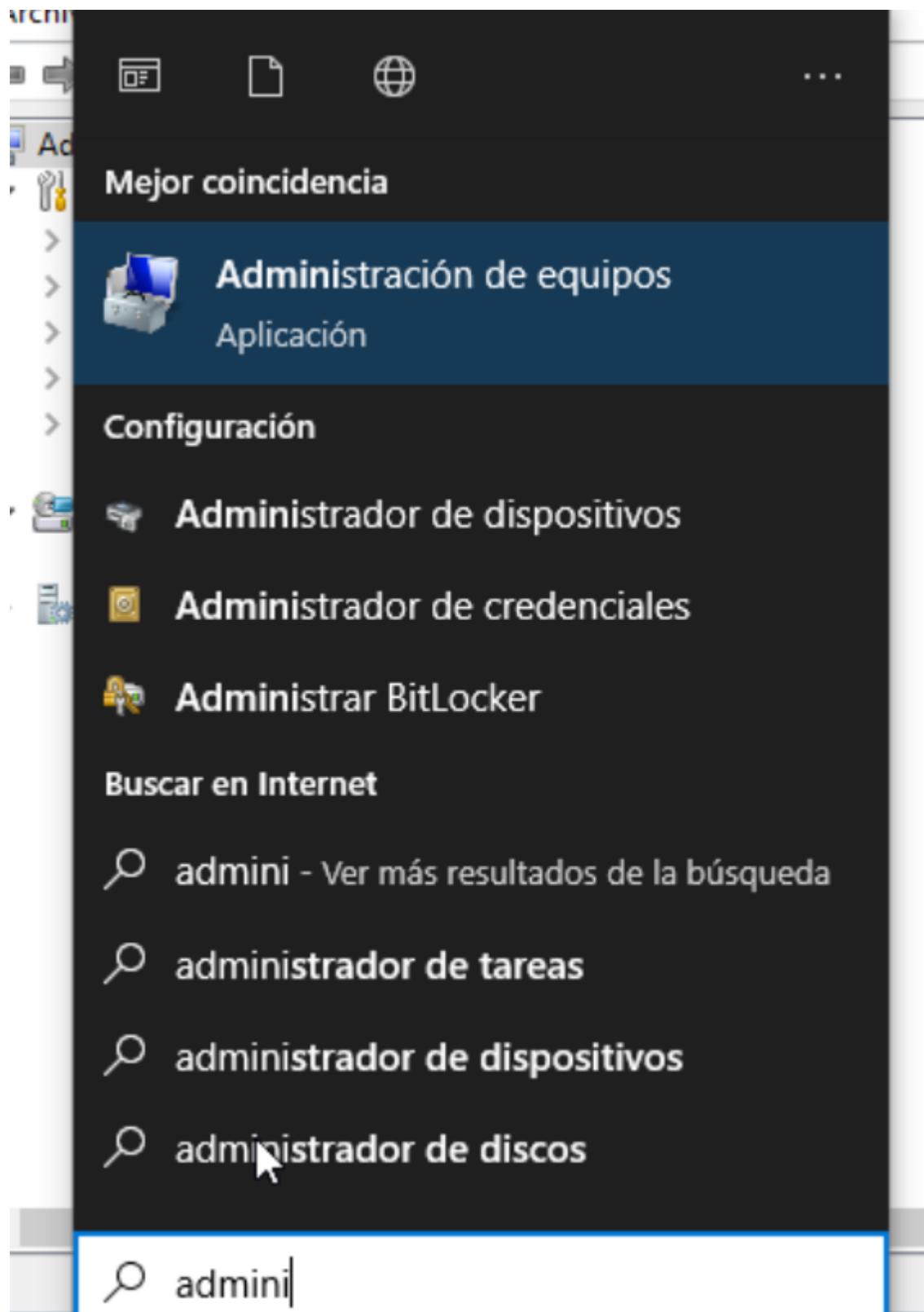
Cancelar

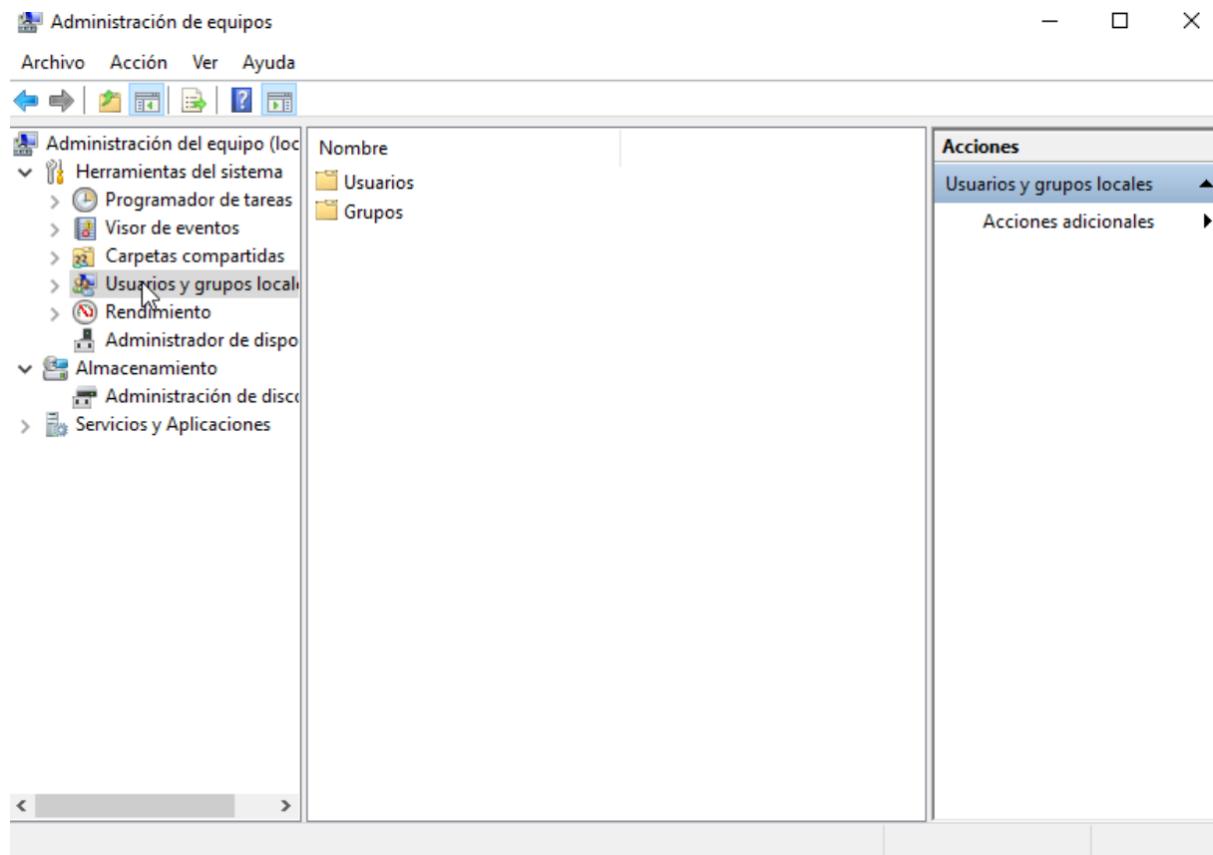
US ELEMENTO SELECCIONADO

Now we made an user in our machine that is the same as the user who have to access the folder

Again we have to search in the windows menu







We go to users



Administración de equipos

Archivo Acción Ver Ayuda

Administración del equipo (local)

- Herramientas del sistema
 - Programador de tareas
 - Visor de eventos
 - Carpetas compartidas
- Usuarios y grupos locales
 - Usuarios
 - Grupos
- Rendimiento
 - Administrador de dispositivos
- Almacenamiento
 - Administración de discos
- Servicios y Aplicaciones

Nombre Nombre completo Descripción

Nombre	Nombre completo	Descripción
Administrador		Cuenta integrada para la administración del sistema.
DefaultAcco...		Cuenta de usuario administrador predeterminada.
Invitado		Cuenta integrada para el acceso invitado.
Proba		Una cuenta de usuario que se ha creado recientemente.
WDAGUtility...		

Acciones

Usuarios Acciones adicionales

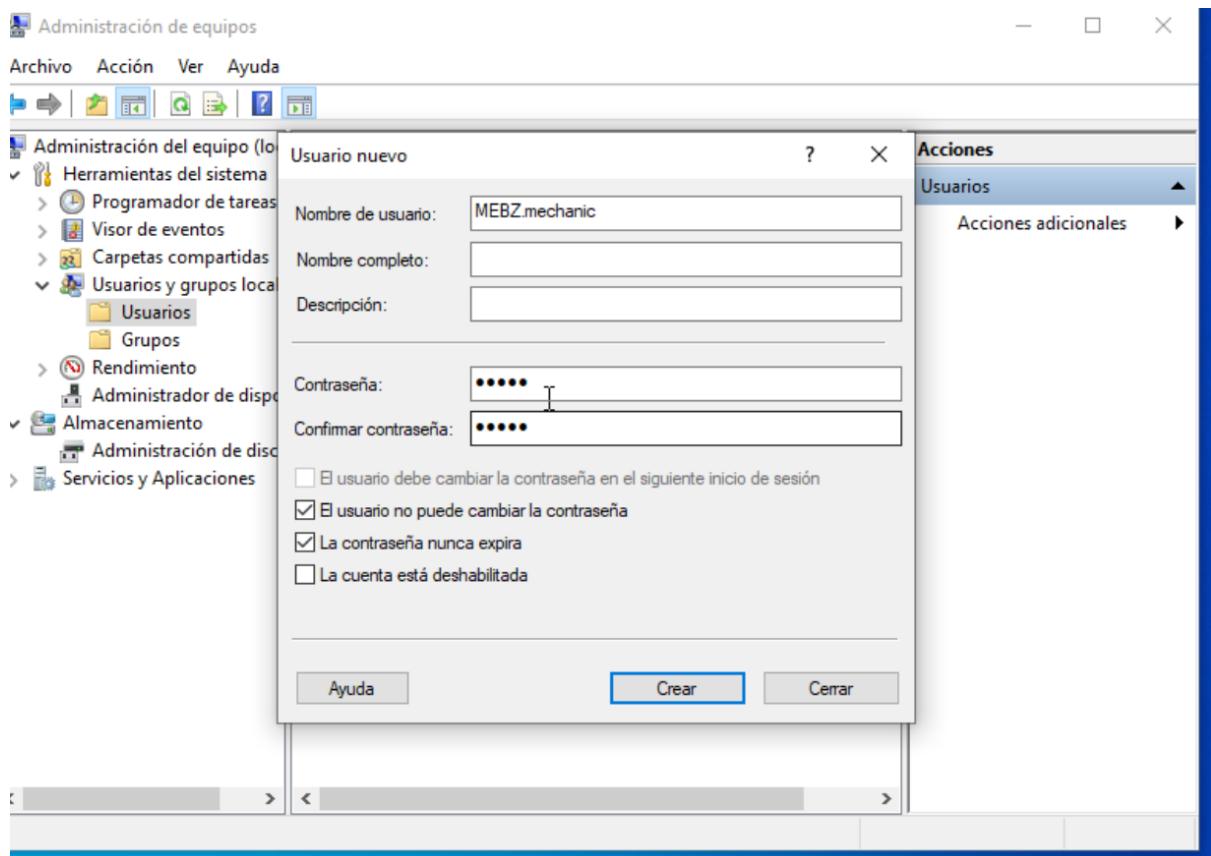
Usuario nuevo...

- Actualizar
- Exportar lista...
- Ver >
- Organizar iconos >
- Alinear iconos
- Ayuda

ea una nueva cuenta de usuarios locales.

In users we right click and choose usuario nuevo





We enter the username and the password then we press crear and then cerrar



The screenshot shows the Windows Server 2012 Local Users and Groups snap-in. The left pane displays a tree view of system tools, with 'Administración del equipo (local)' expanded, showing 'Herramientas del sistema', 'Programador de tareas', 'Visor de eventos', 'Carpetas compartidas', 'Usuarios y grupos locales' (which is expanded to show 'Usuarios' and 'Grupos'), 'Rendimiento', 'Administrador de dispositivos', 'Almacenamiento', 'Administración de discos', and 'Servicios y Aplicaciones'. The right pane has three main sections: 'Nombre' (Name), 'Nombre completo' (Full Name), and 'Descripción' (Description). The 'Acciones' (Actions) pane on the right lists 'Usuarios' and 'Acciones adicionales' (Additional actions) for the selected user 'MEBZ.mechanic'. The user 'MEBZ.mechanic' is highlighted in blue.

Now we make the folder and for that we choose the place where we create the folder
For example disco local c



Archivo Inicio Compartir Vista Herramientas de unidad

Este equipo > Disco local (C:) >

Buscar en Disco local (C:)

Nombre	Fecha de modificación	Tipo	Tamaño
Archivos de programa	19/11/2023 19:43	Carpeta de archivos	
Archivos de programa (x86)	08/09/2022 5:14	Carpeta de archivos	
PerfLogs	07/12/2019 10:14	Carpeta de archivos	
Usuarios	19/11/2023 20:14	Carpeta de archivos	
Windows	19/11/2023 19:46	Carpeta de archivos	

Acceso rápido:

- Escritorio
- Descargas
- Documentos
- Imágenes
- Música
- Vídeos

OneDrive

Este equipo

Red

1 elementos

Right click



Screenshot of a Windows File Explorer window showing the contents of the local disk (C:). The 'Este equipo' folder is selected in the navigation pane. A context menu is open over the 'Carpeta' item in the 'Nuevo' section.

Administrador Disco local (C:)

Nombre Fecha de modificación Tipo Tamaño

Nombre	Fecha de modificación	Tipo	Tamaño
Archivos de programa	19/11/2023 19:43	Carpeta de archivos	
Archivos de programa (x86)	08/09/2022 5:14	Carpeta de archivos	
PerfLogs	07/12/2019 10:14	Carpeta de archivos	
Usuarios	19/11/2023 20:14	Carpeta de archivos	
Windows	19/11/2023 19:46	Carpeta de archivos	

Ver Ordenar por Agrupar por Actualizar

Pegar Pegar acceso directo

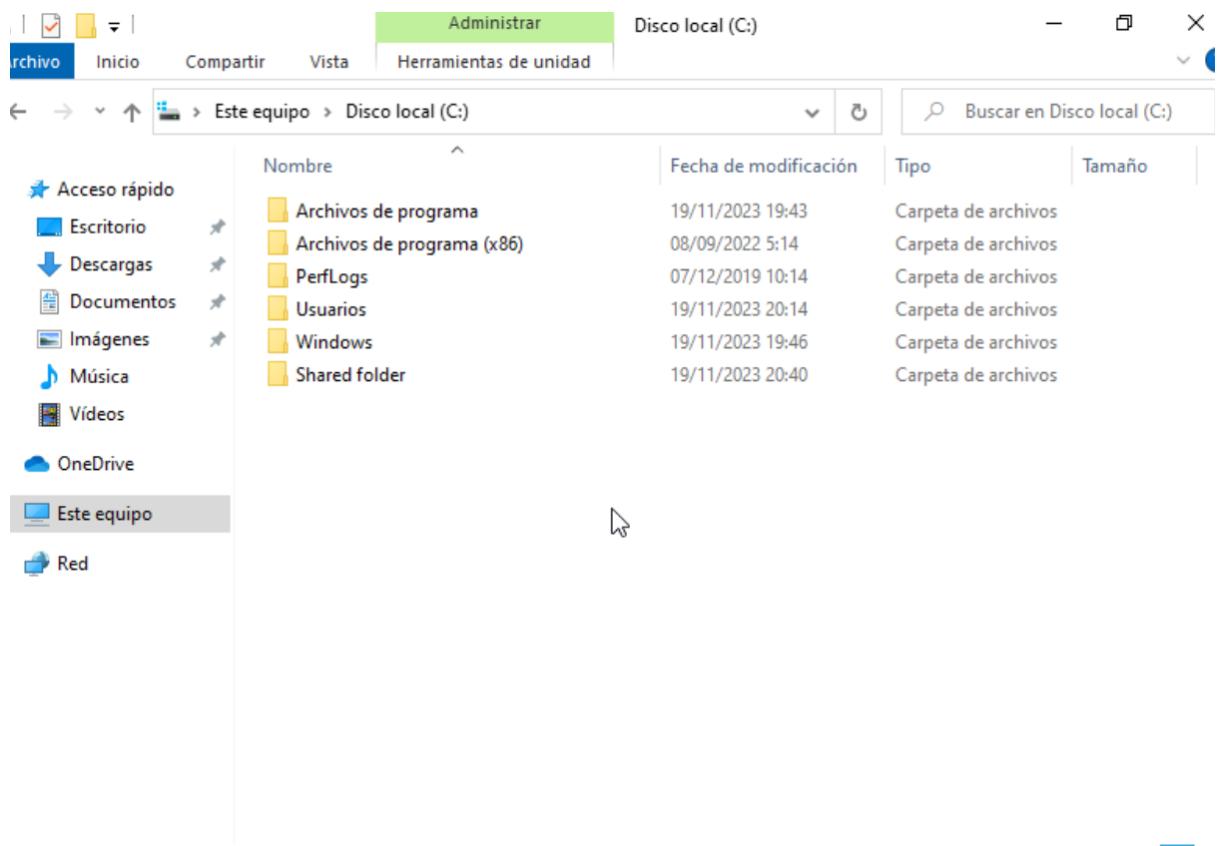
Conceder acceso a

Nuevo Carpeta Propiedades

5 elementos

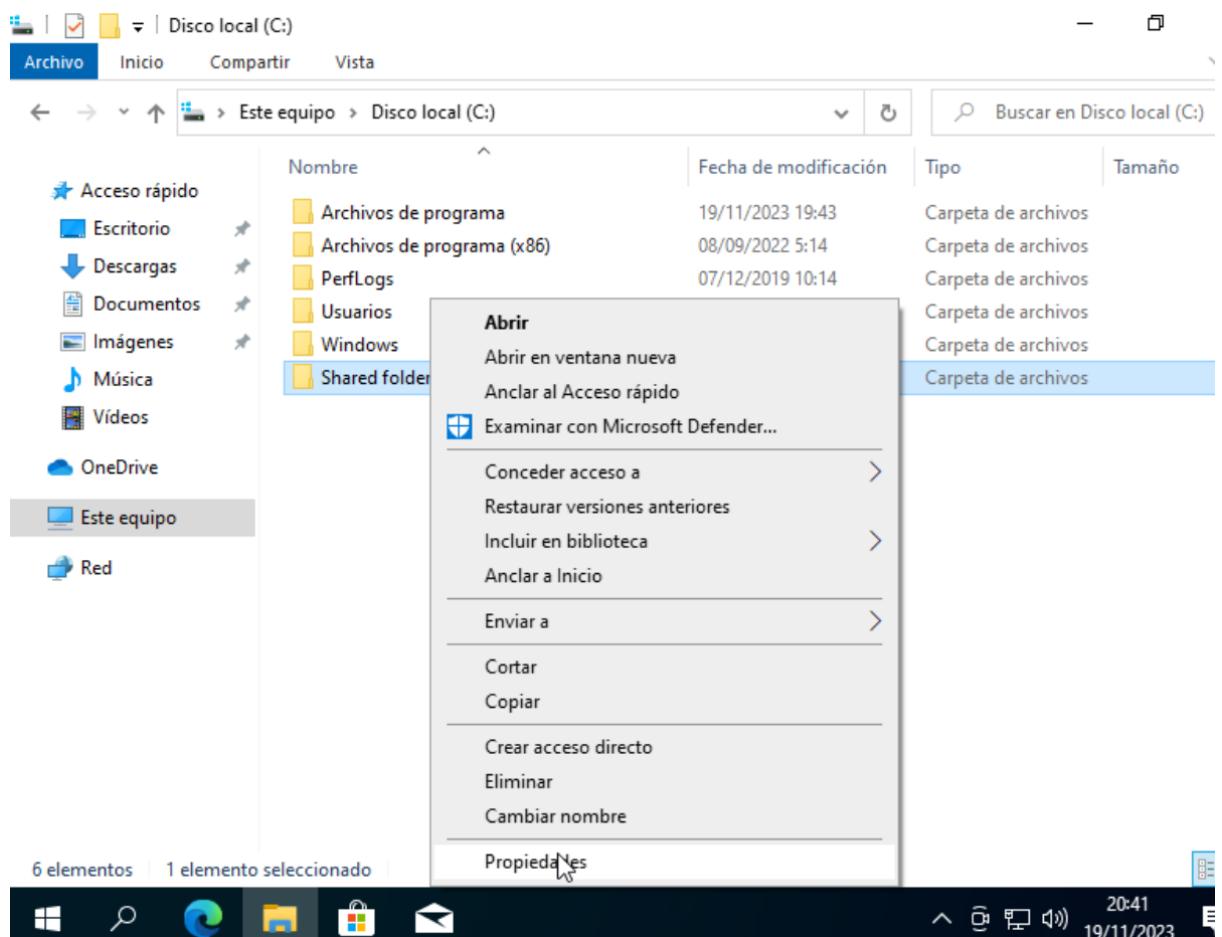
20:40 19/11/2023





Right click on the folder and click propiedades





Propiedades: Shared folder

X

General

Compartir

Seguridad

Versiónes anteriores

Personalizar



Shared folder

Tipo: Carpeta de archivos

Ubicación: C:\

Tamaño: 0 bytes

Tamaño en disco: 0 bytes

Contiene: 0 archivos, 0 carpetas

Creado: domingo, 19 de noviembre de 2023, 20:40:32

Atributos: Solo lectura (solo para archivos de la carpeta)

Oculto

Opciones avanzadas...

Aceptar

Cancelar

Aplicar

Click on compartir





Propiedades: Shared folder



General

Compartir

Seguridad

Versiones anteriores

Personalizar

Uso compartido de carpetas y archivos de red



Shared folder

No compartido

Ruta de acceso de red:

No compartido

Compartir...

Uso compartido avanzado

Establezca permisos personalizados, cree múltiples recursos compartidos y defina otras opciones avanzadas para compartir.



Uso compartido avanzado...

Protección por contraseña

Las personas deben tener una cuenta de usuario y una contraseña en este equipo para obtener acceso a las carpetas compartidas.

Para cambiar esta configuración, use el [Centro de redes y recursos compartidos](#).

Aceptar

Cancelar

Aplicar

Click on Compartir....



MEBZ
DIY GARAGE



X

← Acceso a la red

Elija a las personas con las que desea compartir

Escriba un nombre y haga clic en Agregar, o haga clic en la flecha para buscar usuarios.

A screenshot of a user search interface. At the top right is a blue 'Agregar' button. To its left is a dropdown arrow pointing down. Below the dropdown is a list of users: 'MEBZ.mechanic', 'Proba', 'Todos', and 'Crear un nuevo usuario...'. The 'Agregar' button is highlighted with a light blue border.

[Tengo problemas para compartir](#)

Choose the user

← Acceso a la red

Elija a las personas con las que desea compartir

Escriba un nombre y haga clic en Agregar, o haga clic en la flecha para buscar usuarios.

A screenshot of a user selection interface. It features a search bar at the top right with a blue 'Agregar' button. Below the search bar is a table with two columns: 'Nombre' and 'Nivel de permiso'. The first row shows 'MEBZ.mechanic' with 'Lectura' (Reading) permission level. There is a downward arrow next to the permission level column header.

Nombre	Nivel de permiso
MEBZ.mechanic	Lectura ▾

Click on compartir



Detección de redes y uso compartido de archivos

X



¿Está seguro de que desea activar la detección de redes y el uso compartido de archivos para todas las redes públicas?

- No, convertir la red a la que estoy conectado en una red privada.

La detección de redes y el uso compartido de archivos se activará para las redes privadas, como, por ejemplo, las redes en hogares y áreas de trabajo.

- Sí, permitir la detección de redes y el uso compartido de archivos para todas las redes públicas.

[Cancelar](#)

Click yes

X



Acceso a la red

La carpeta está compartida.

Puedes [enviar por correo electrónico](#) a cualquier persona vínculos a estos elementos compartidos o [copiar](#) los vínculos y pegarlos en otra aplicación.

Elementos individuales

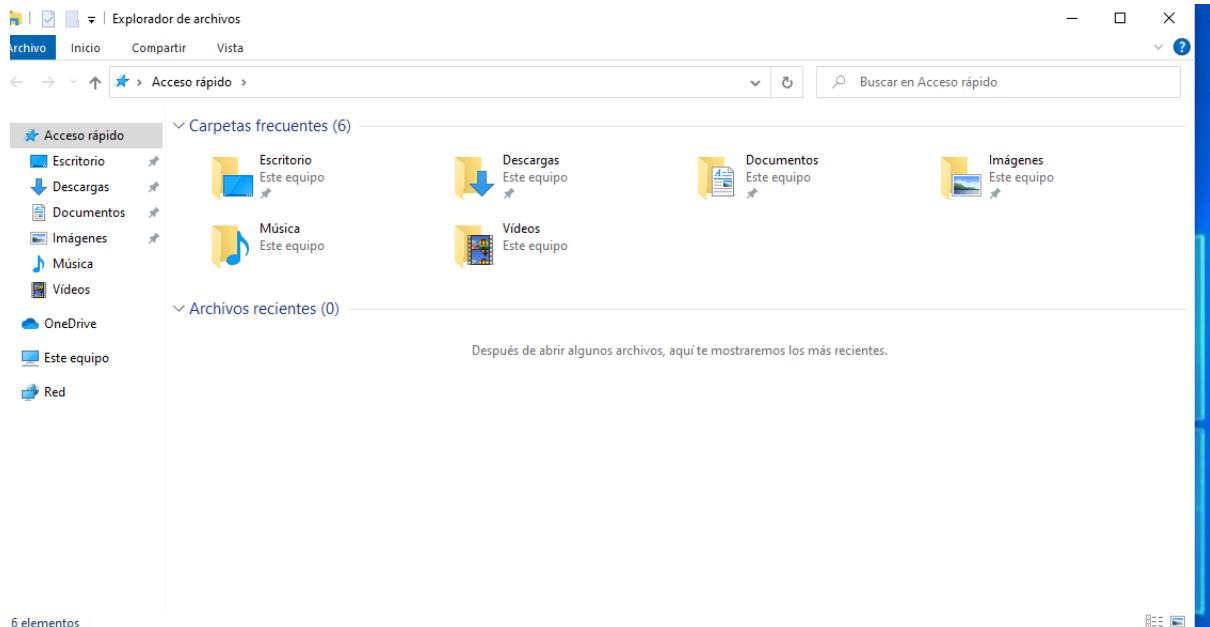
- Shared folder
\\DESKTOP-L1JUOKT\Shared folder

[Mostrar todos los recursos compartidos de red en este equipo.](#)

[Listo](#)



Click listo and now enter we the machine you have shared the folder but don't close the one that is sharing



Click on red and in this browser search for the pc it can be the name or the IP

