THE BRIDGE
DIGITAL
TALENT
ACCELERATOR

U0M1 - Fundamentos de Hardware y Sistemas Operativos

D1 – Hardware y VMs

D2 – Sistemas Linux

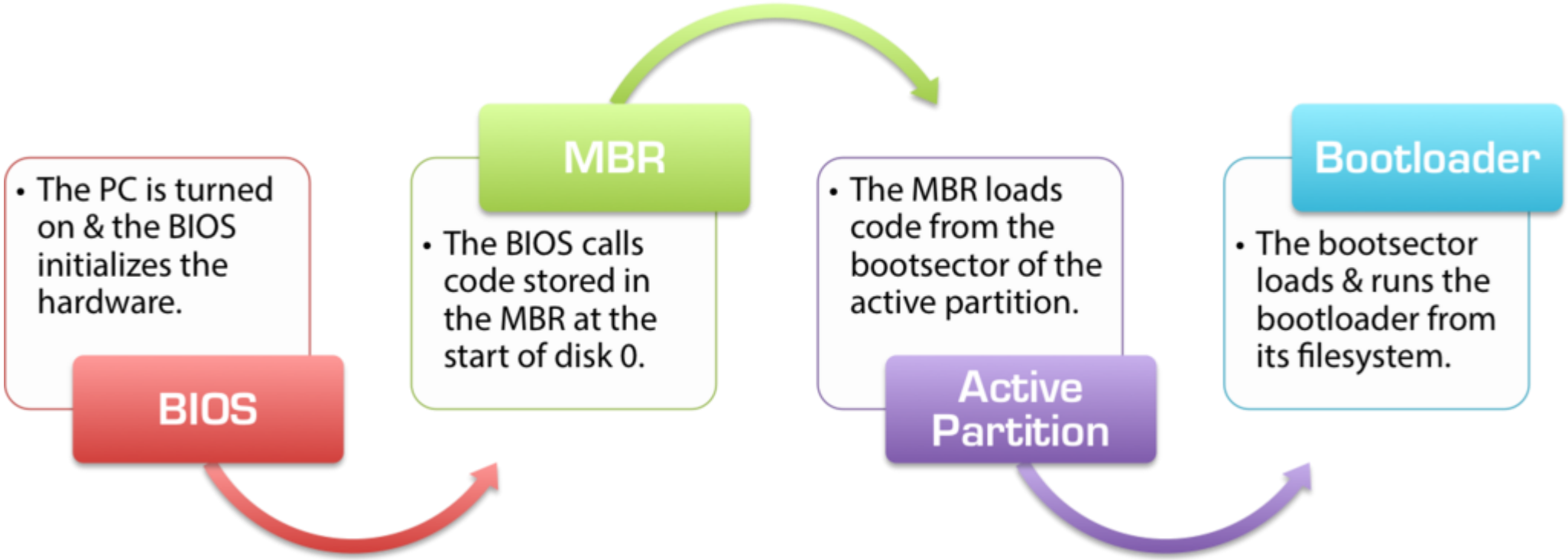
D3 – Sistemas Windows, OSX y Cloud

D1 - Intro

BOOT PROCESS

https://www.youtube.com/watch?v=PSnGuvylWBI

D1 - Hardware y VMs



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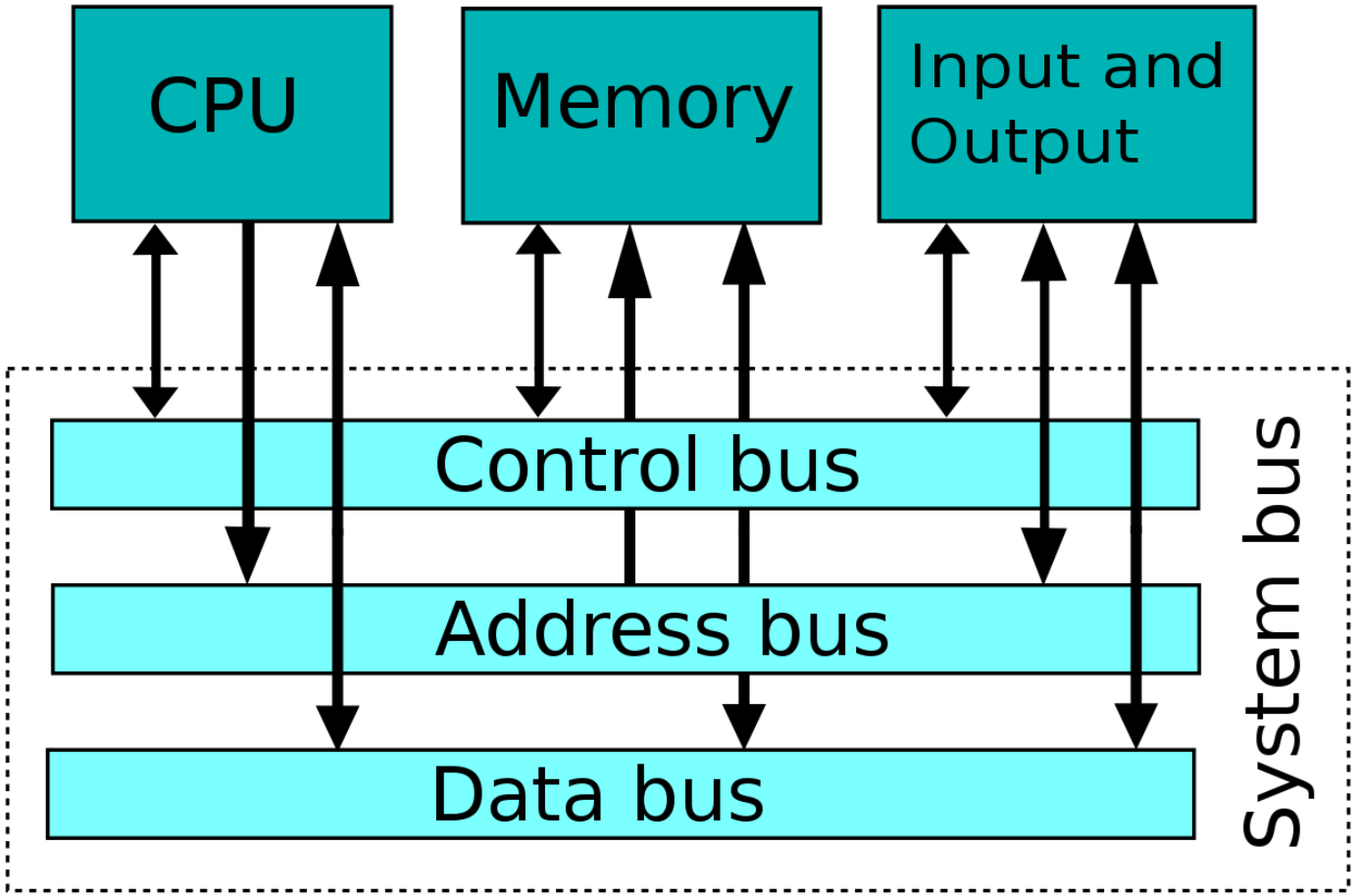
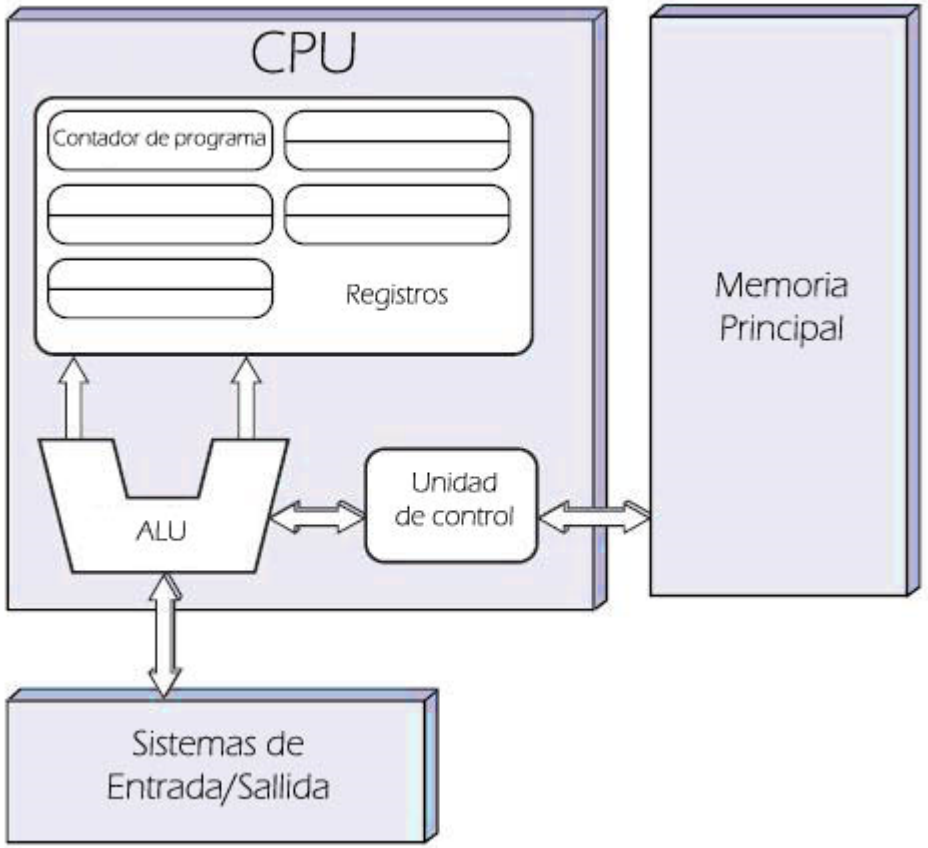
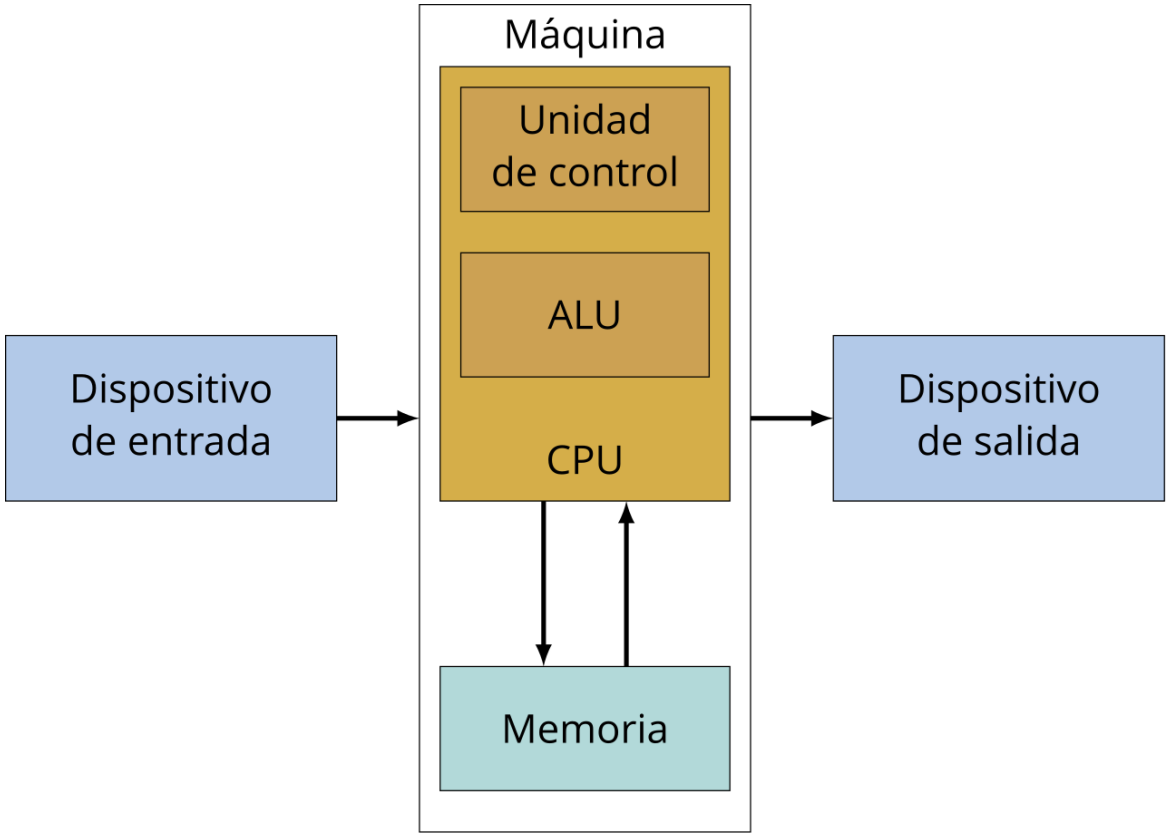
D1 - Conceptos de hardware y máquinas virtuales

D1 - Hardware y VMs

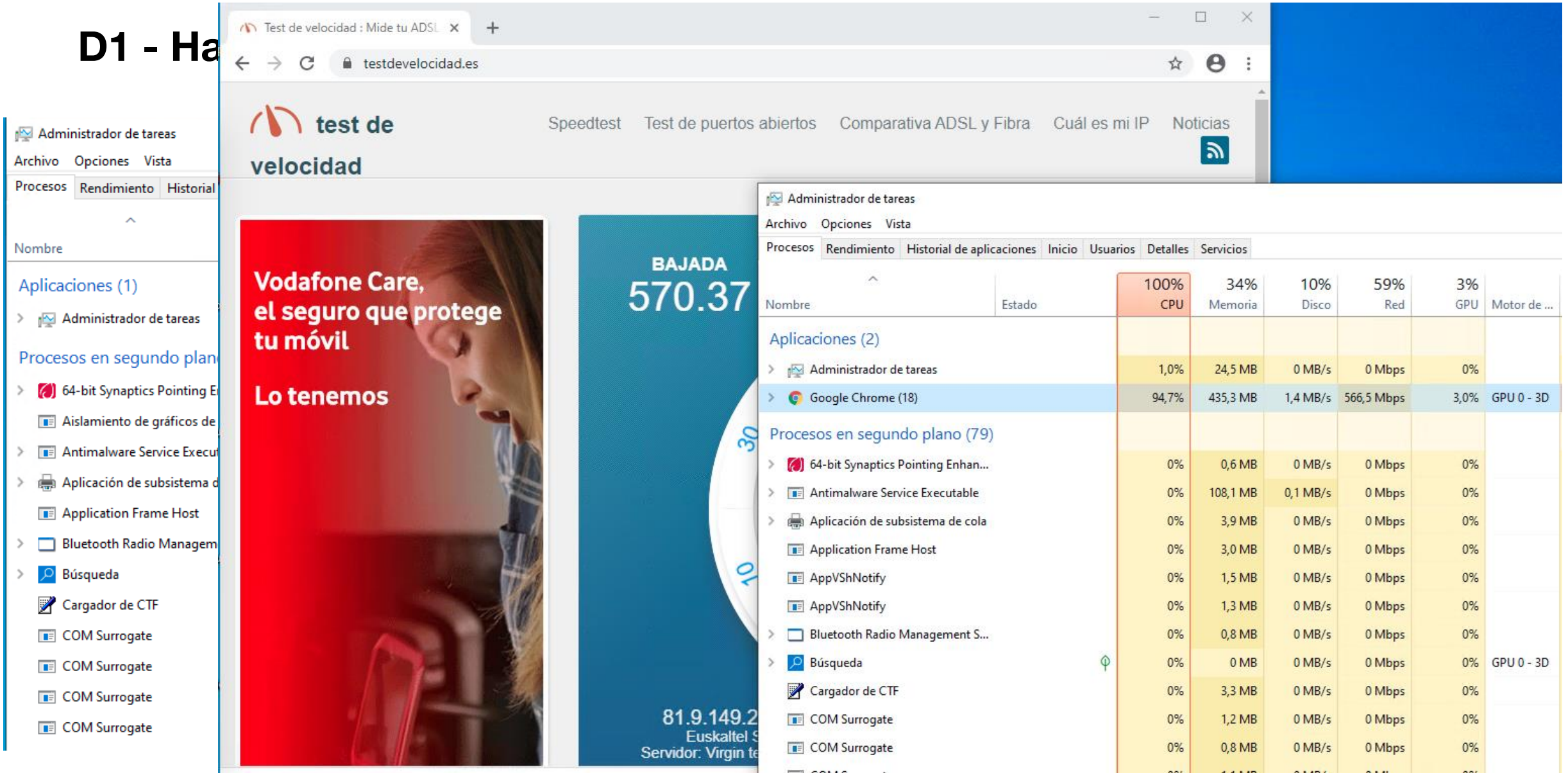


D1 - Hardware y VMs





D1 - Ha


Administrador de tareas
Archivo Opciones Vista
Procesos Rendimiento Historial
Nombre
Aplicaciones (1)
Administrador de tareas
Procesos en segundo plan
64-bit Synaptics Pointing E
Aislamiento de gráficos de
Antimalware Service Execut
Aplicación de subsistema d
Application Frame Host
Bluetooth Radio Managem
Búsqueda
Cargador de CTF
COM Surrogate
COM Surrogate
COM Surrogate
COM Surrogate
Test de velocidad : Mide tu ADSL
testdevelocidad.es
test de velocidad
Speedtest
Test de puertos abiertos
Comparativa ADSL y Fibra
Cuál es mi IP
Noticias
Vodafone Care, el seguro que protege tu móvil
Lo tenemos
BAJADA
570.37
81.9.149.2
Euskaltel
Servidor: Virgin te
Administrador de tareas
Archivo Opciones Vista
Procesos Rendimiento Historial de aplicaciones Inicio Usuarios Detalles Servicios
Nombre Estado 100% CPU 34% Memoria 10% Disco 59% Red 3% GPU Motor de ...
Aplicaciones (2)
Administrador de tareas 1,0% 24,5 MB 0 MB/s 0 Mbps 0%
Google Chrome (18) 94,7% 435,3 MB 1,4 MB/s 566,5 Mbps 3,0% GPU 0 - 3D
Procesos en segundo plano (79)
64-bit Synaptics Pointing Enhan... 0% 0,6 MB 0 MB/s 0 Mbps 0%
Antimalware Service Executable 0% 108,1 MB 0,1 MB/s 0 Mbps 0%
Aplicación de subsistema de cola 0% 3,9 MB 0 MB/s 0 Mbps 0%
Application Frame Host 0% 3,0 MB 0 MB/s 0 Mbps 0%
AppVShNotify 0% 1,5 MB 0 MB/s 0 Mbps 0%
AppVShNotify 0% 1,3 MB 0 MB/s 0 Mbps 0%
Bluetooth Radio Management S... 0% 0,8 MB 0 MB/s 0 Mbps 0%
Búsqueda 0% 0 MB 0 MB/s 0 Mbps 0% GPU 0 - 3D
Cargador de CTF 0% 3,3 MB 0 MB/s 0 Mbps 0%
COM Surrogate 0% 1,2 MB 0 MB/s 0 Mbps 0%
COM Surrogate 0% 0,8 MB 0 MB/s 0 Mbps 0%

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D1 - Hardware y VMs

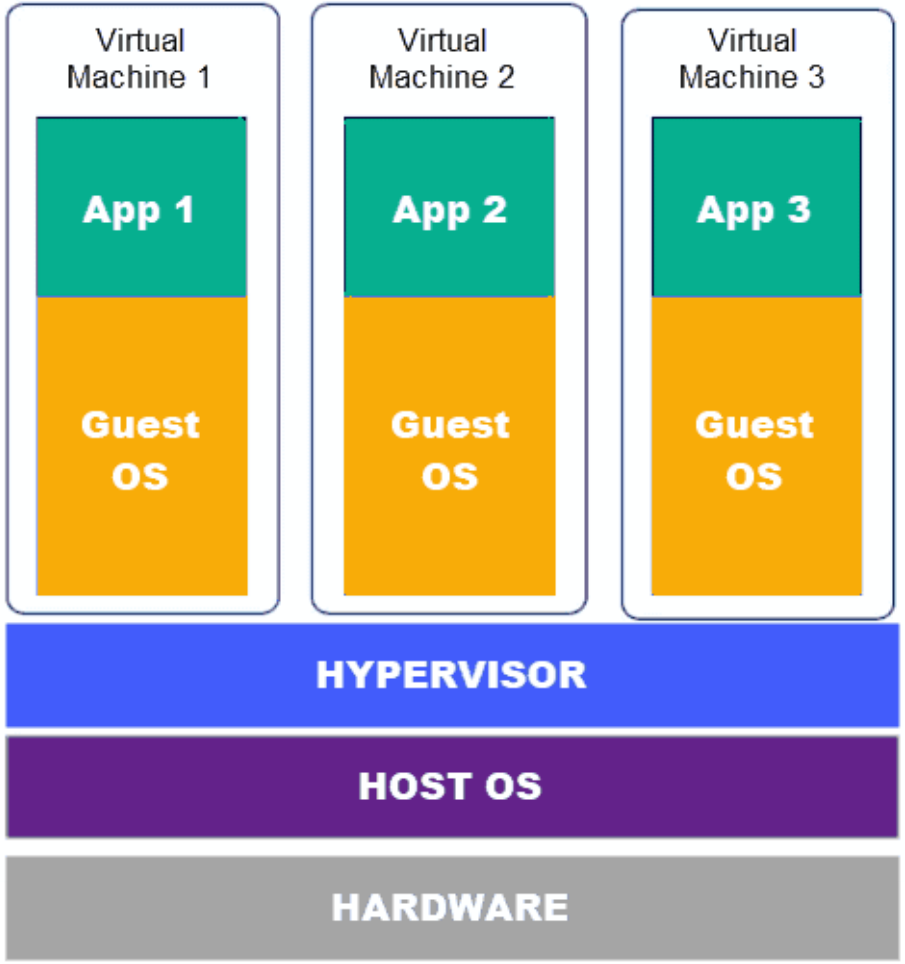
vmware®

Parallels®

GENYMOTION
By Genymobile

Amazon EC2

D1 - Hardware y VMs



https://phoenixnap.com/

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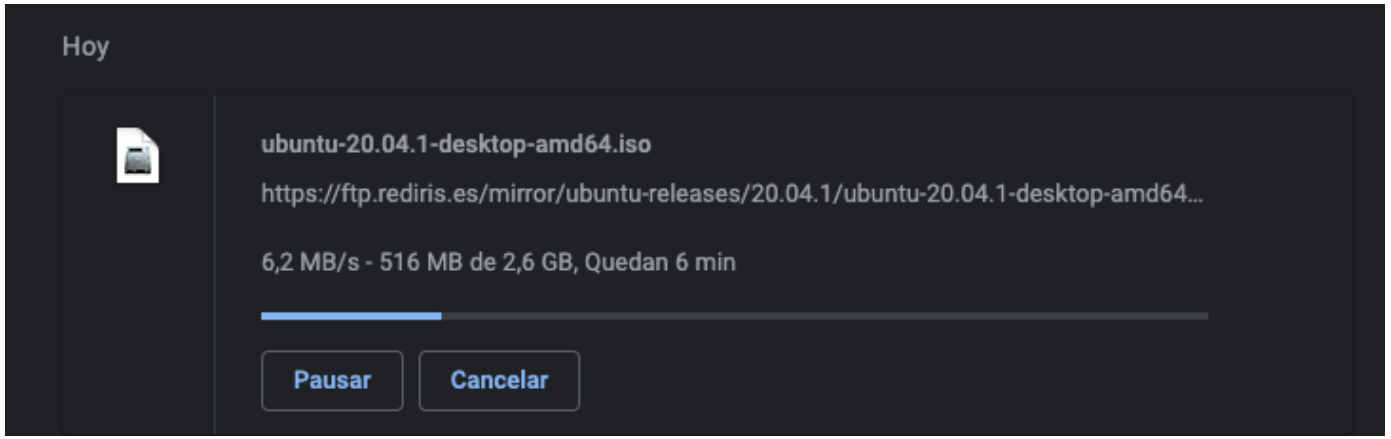
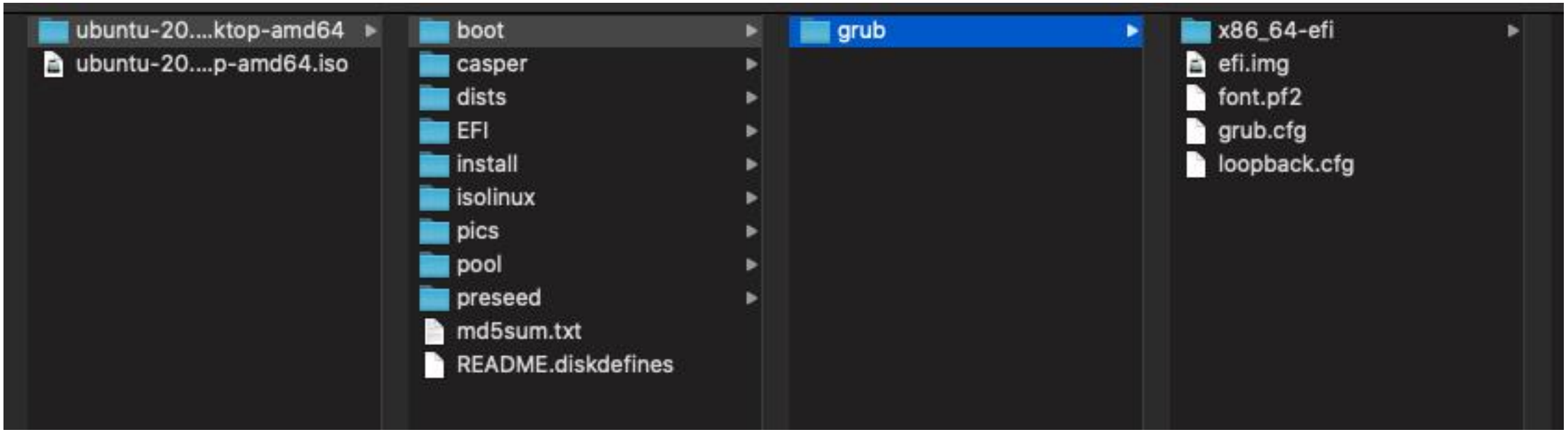
Creación de una VM de Kali Linux en Virtualbox

D1 - Hardware y VMs – ISO vs OVA

ISO





Users > auditor > Desktop > OVA > MSEdge - Win10 > MSEdge - Win10.ovf

```
<?xml version="1.0"?>
<Envelope ovf:version="1.0" xml:lang="en-US" xmlns="http://schemas.dmtf.org/ovf/envelope/1" xmlns:ovf="http://schemas.dmtf.org/ovf/envelope/1" xmlns:rasd="http://schemas.dmtf.org/wbem/wscim/
  <References>
    <File ovf:id="file1" ovf:href="MSEdge - Win10-disk001.vmdk"/>
  </References>
  <DiskSection>
    <Info>List of the virtual disks used in the package</Info>
    <Disk ovf:capacity="42949672960" ovf:diskId="vmdisk1" ovf:fileRef="file1" ovf:format="http://www.vmware.com/interfaces/specifications/vmdk.html#streamOptimized" vbox:uuid="4d34d7e9-5597-
  </DiskSection>
  <NetworkSection>
    <Info>Logical networks used in the package</Info>
    <Network ovf:name="NAT">
      <Description>Logical network used by this appliance.</Description>
    </Network>
  </NetworkSection>
  <VirtualSystem ovf:id="MSEdge - Win10">
    <Info>A virtual machine</Info>
    <OperatingSystemSection ovf:id="102">
      <Info>The kind of installed guest operating system</Info>
      <Description>Other_64</Description>
      <vbox:OSType ovf:required="false">Windows10_64</vbox:OSType>
    </OperatingSystemSection>
    <VirtualHardwareSection>
      <Info>Virtual hardware requirements for a virtual machine</Info>
      <System>
        <vssd:ElementName>Virtual Hardware Family</vssd:ElementName>
        <vssd:InstanceID>0</vssd:InstanceID>
        <vssd:VirtualSystemIdentifier>MSEdge - Win10</vssd:VirtualSystemIdentifier>
        <vssd:VirtualSystemType>virtualbox-2.2</vssd:VirtualSystemType>
      </System>
      <Item>
        <rasd:Caption>1 virtual CPU</rasd:Caption>
        <rasd:Description>Number of virtual CPUs</rasd:Description>
        <rasd:ElementName>1 virtual CPU</rasd:ElementName>
        <rasd:InstanceID>1</rasd:InstanceID>
        <rasd:ResourceType>3</rasd:ResourceType>
        <rasd:VirtualQuantity>1</rasd:VirtualQuantity>
      </Item>
      <Item>
        <rasd:AllocationUnits>MegaBytes</rasd:AllocationUnits>
        <rasd:Caption>4096 MB of memory</rasd:Caption>
```

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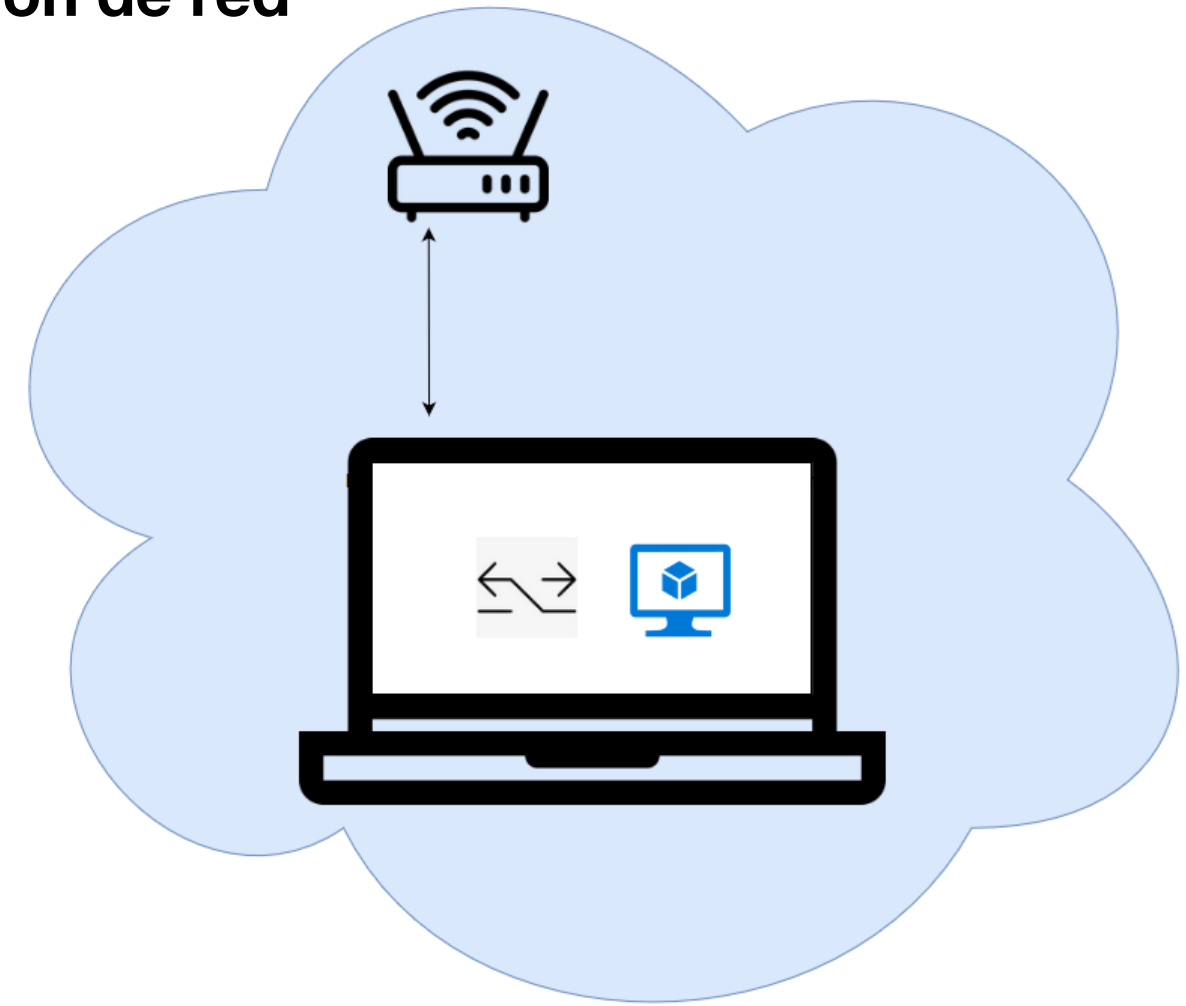
Importar / Exportar OVA

D1 - Hardware y VMs – Configuración de red

Host Only

D1 - Hardware y VMs – Configuración de red

NAT

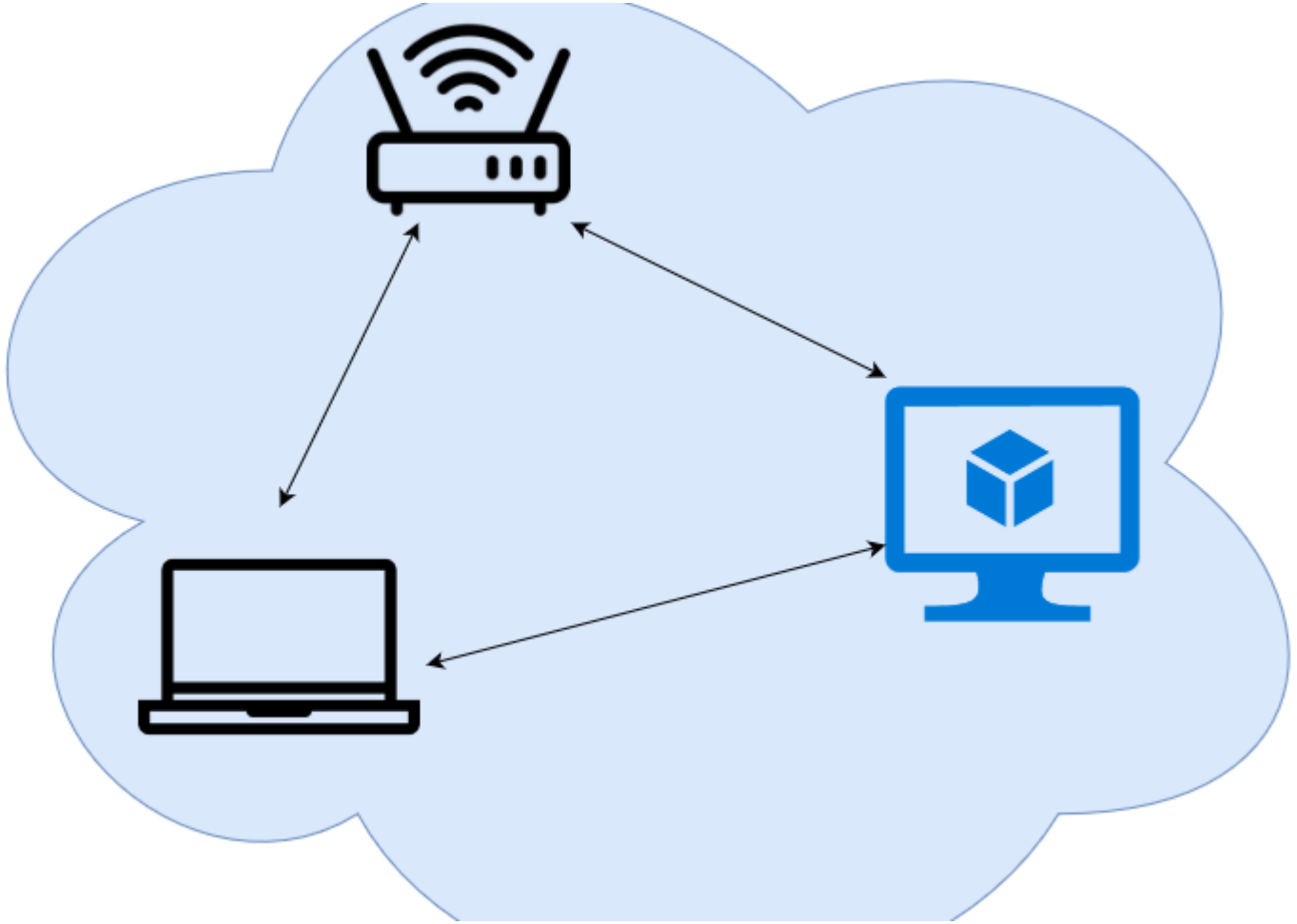


D1 - Hardware y VMs – Configuración de red

Red NAT

D1 - Hardware y VMs – Configuración de red

Bridge



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