



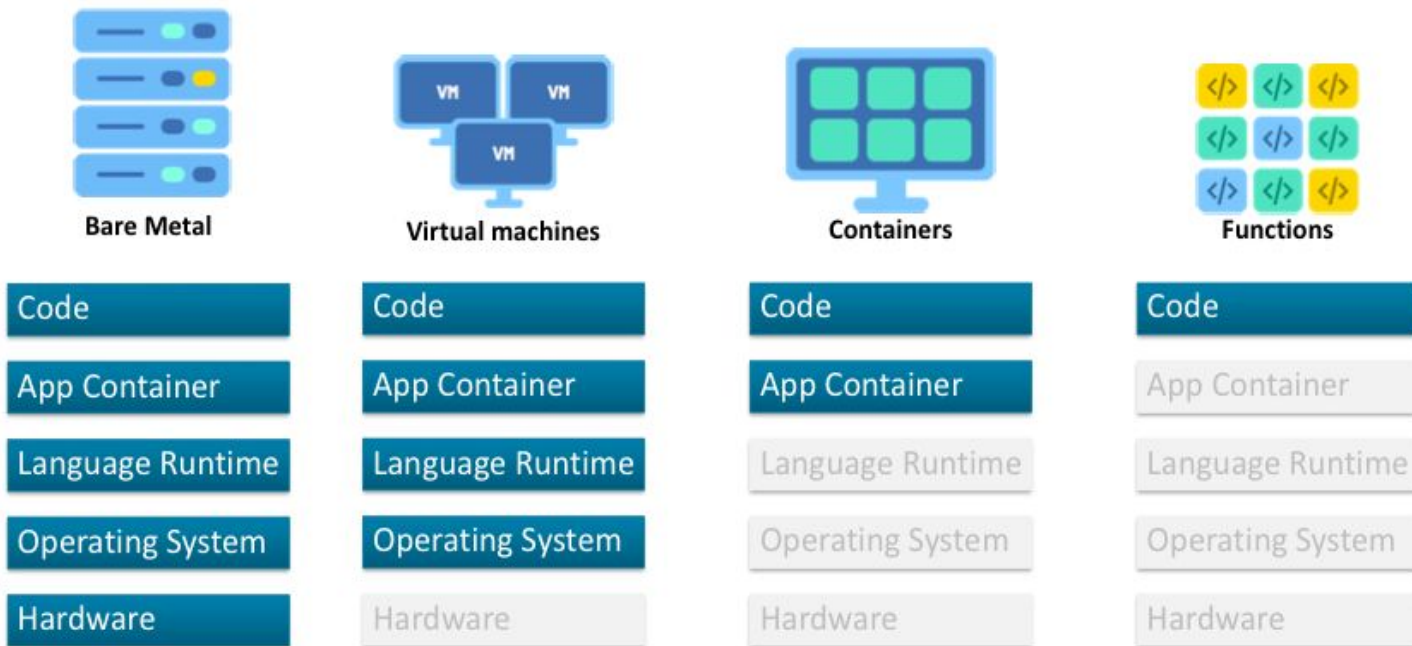
Creando tu entorno de laboratorio para el bootcamp

Por: Sheyla Leacock

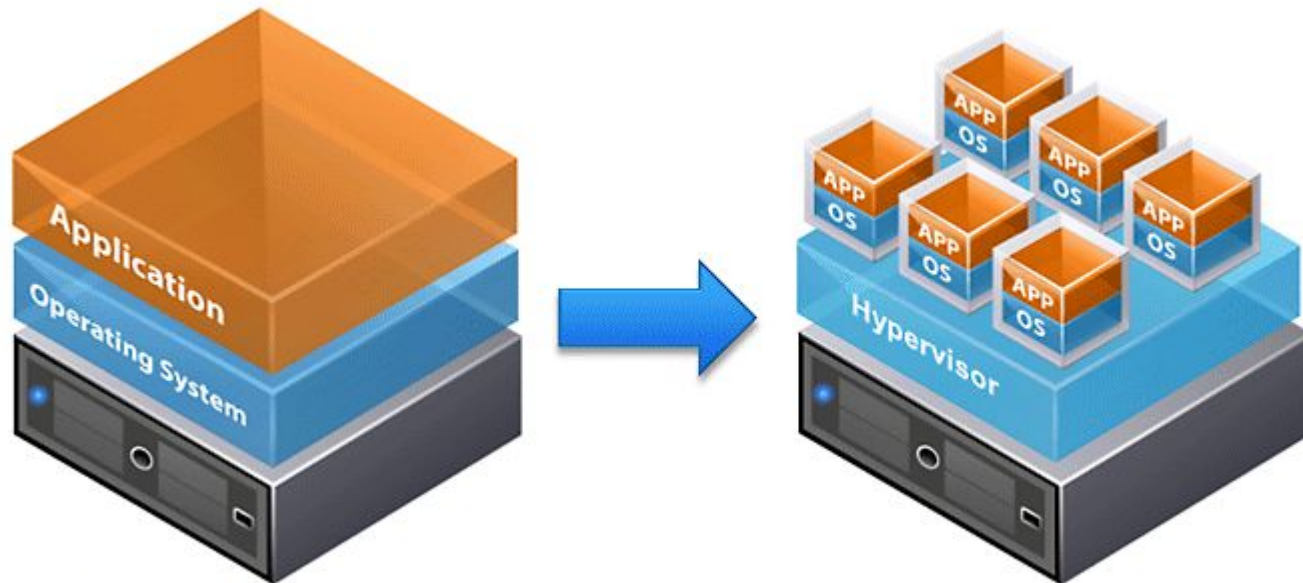


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¿Cómo construir tu HomeLab?



Virtualización



Traditional Architecture

Virtual Architecture



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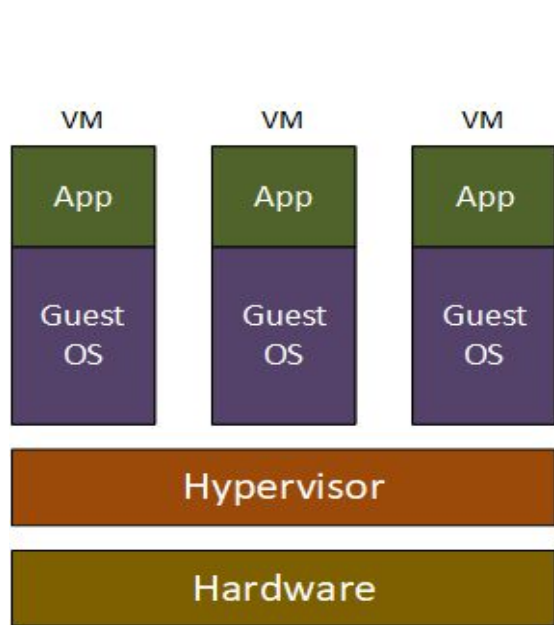
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Tipos de Hipervisores

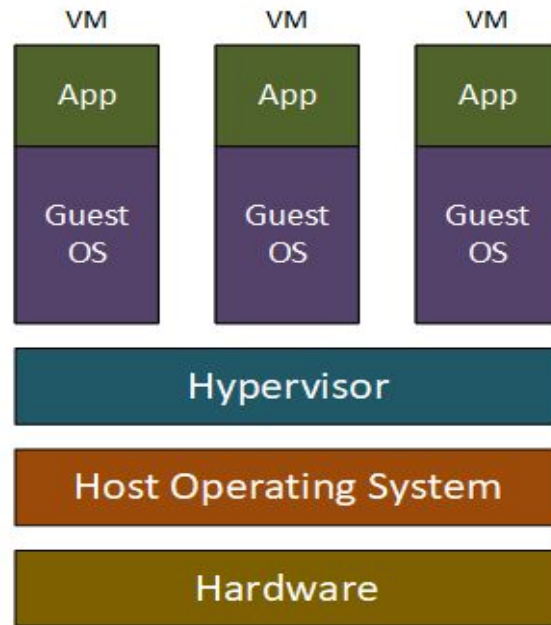
CITRIX®

vmware® ESXi

Microsoft Hyper-v



Type 1 Hypervisor



Type 2 Hypervisor

KVM



VirtualBox

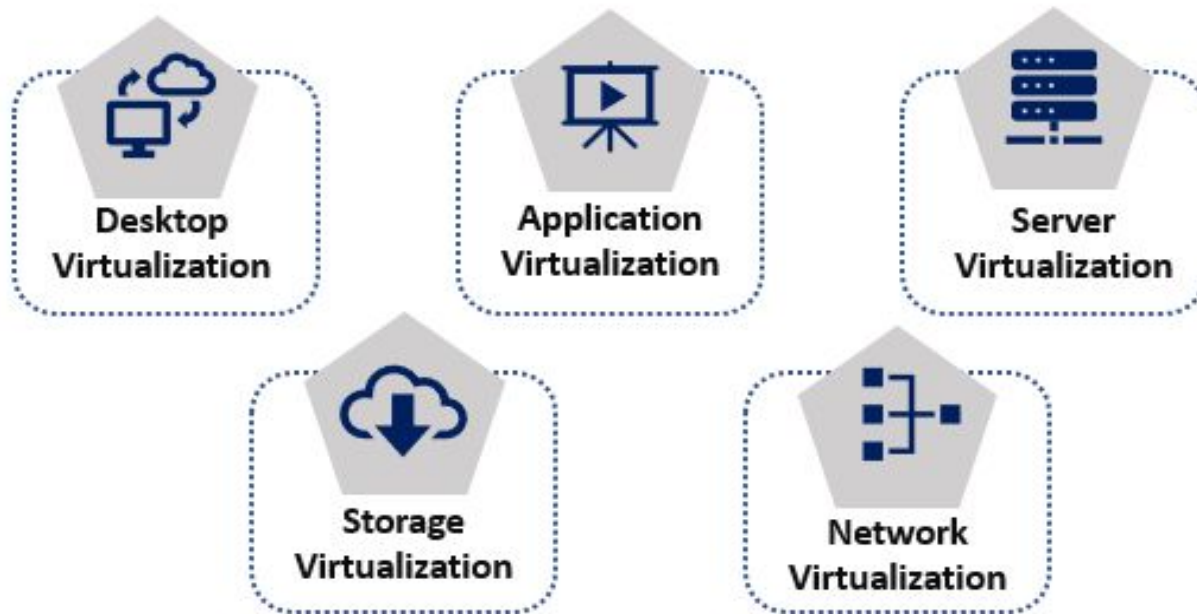
Parallels®



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¿Qué podemos virtualizar?



www.educba.com

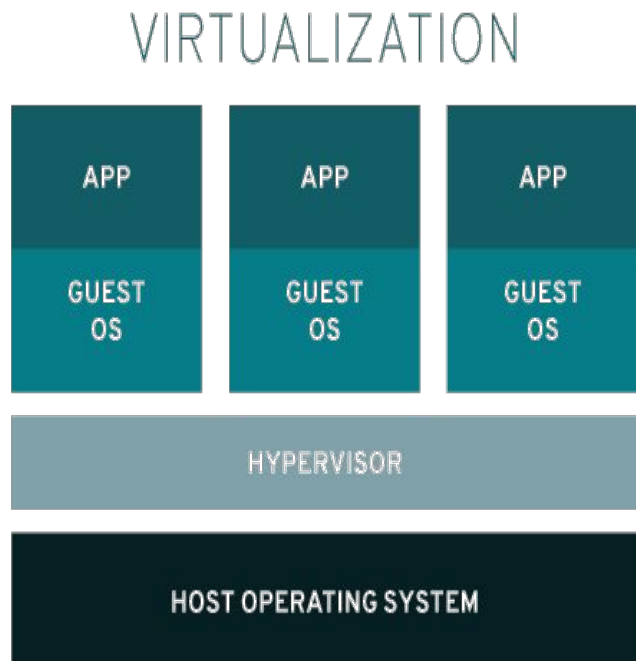


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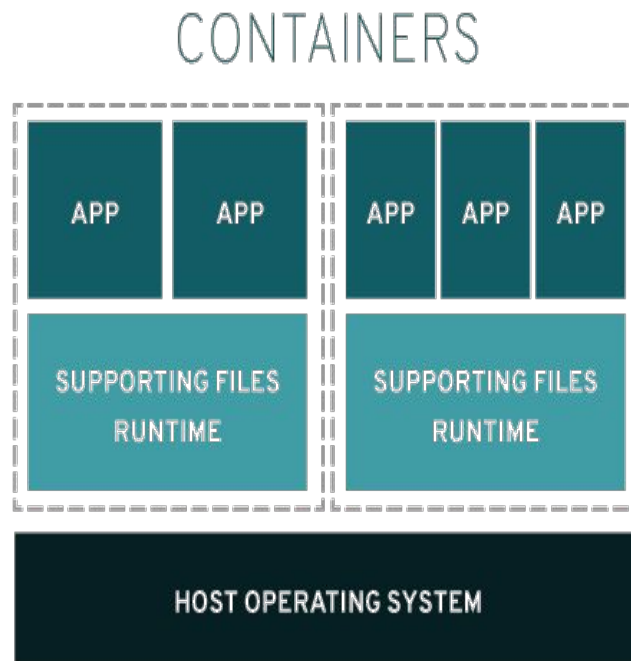
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Contenedores

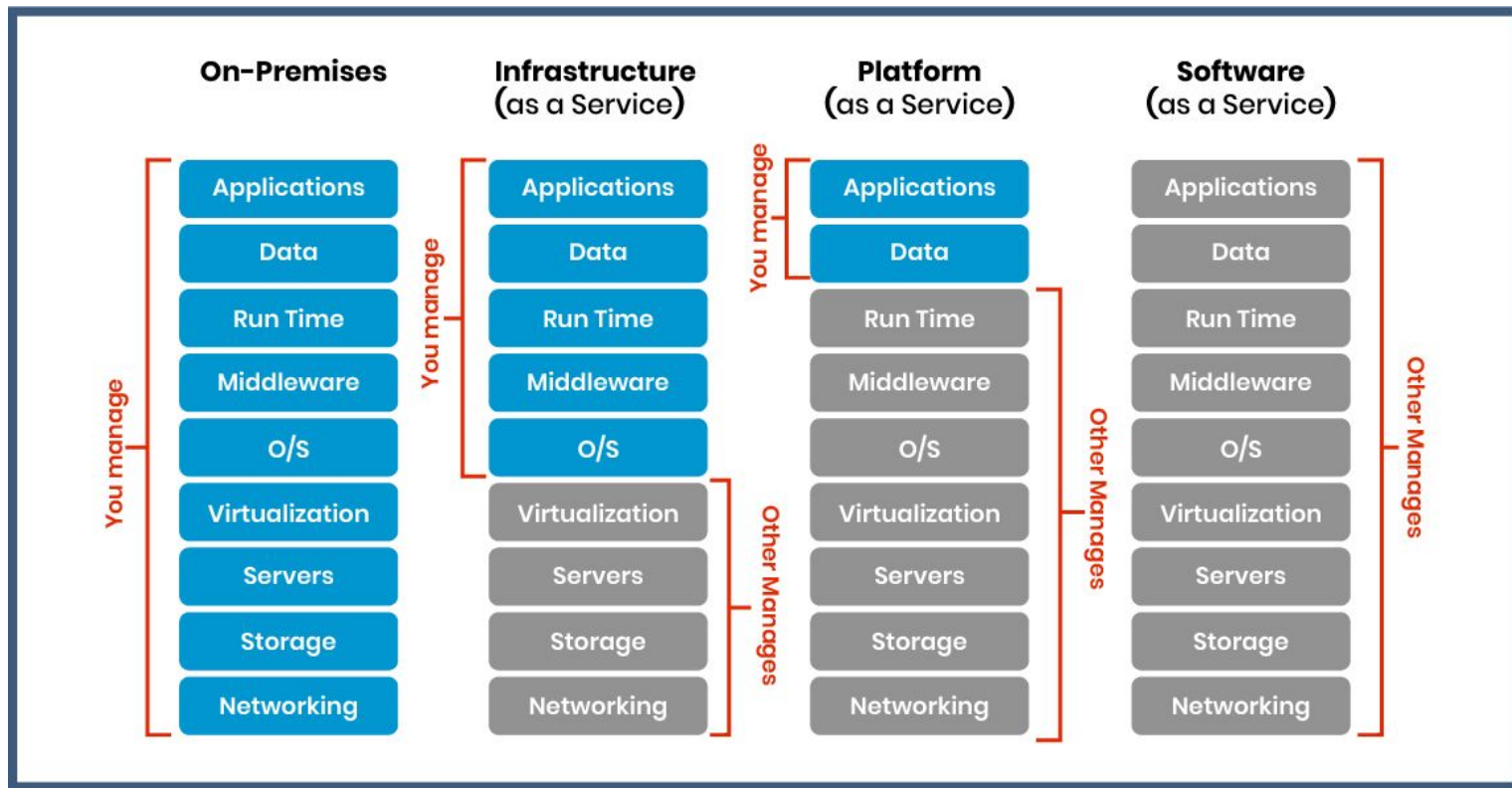
<https://hub.docker.com/>



VS.



Servicios en la nube



Google Cloud



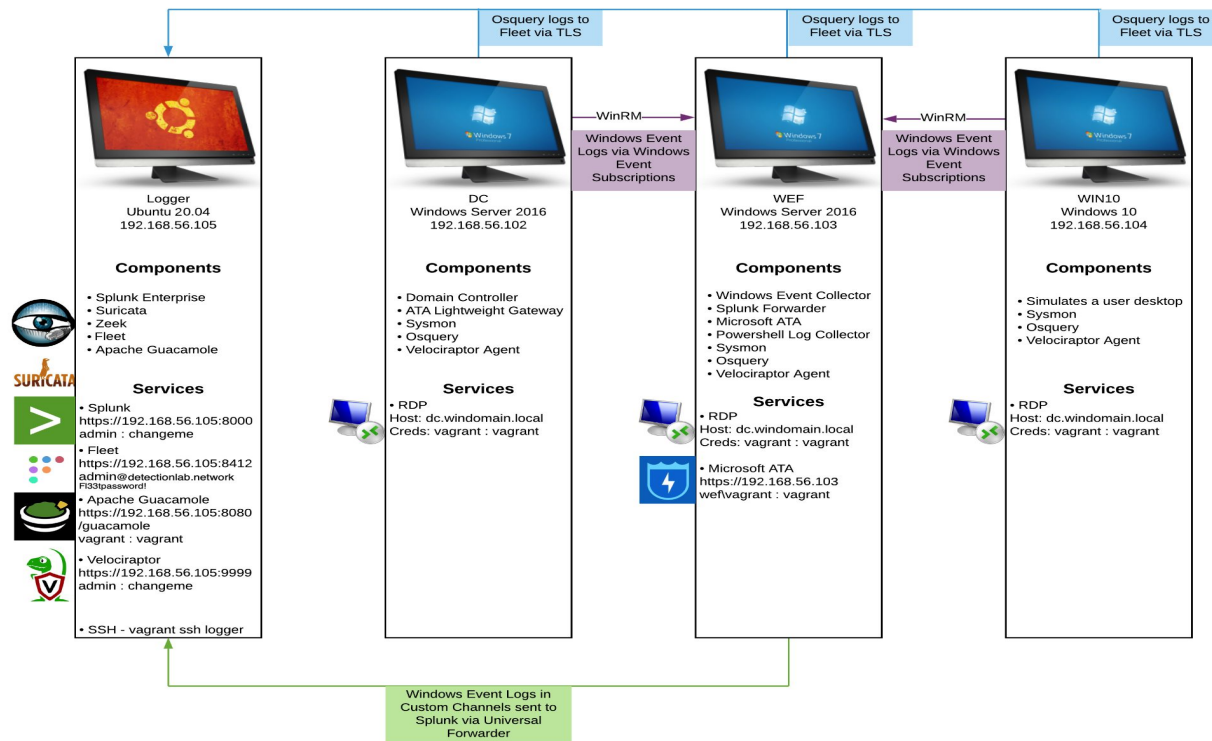
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Alternativas - Laboratorios de detección

Detection Lab:

<https://detectionlab.network/>

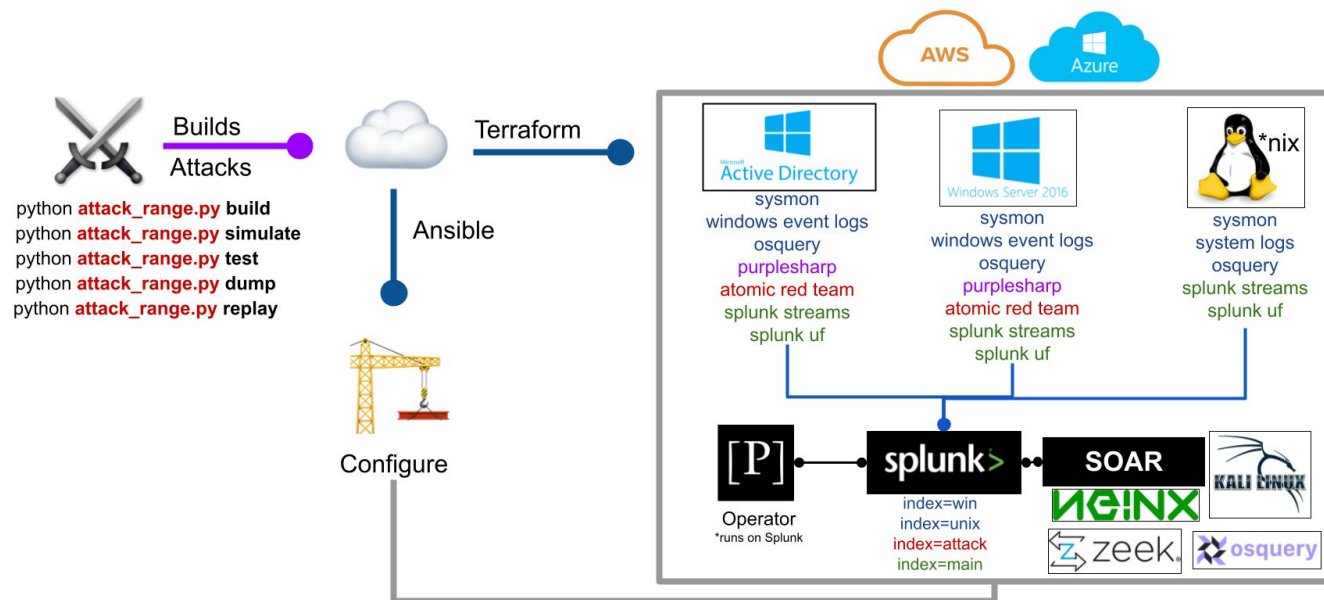


Alternativas - Laboratorios de detección

Splunk Attack

Range:

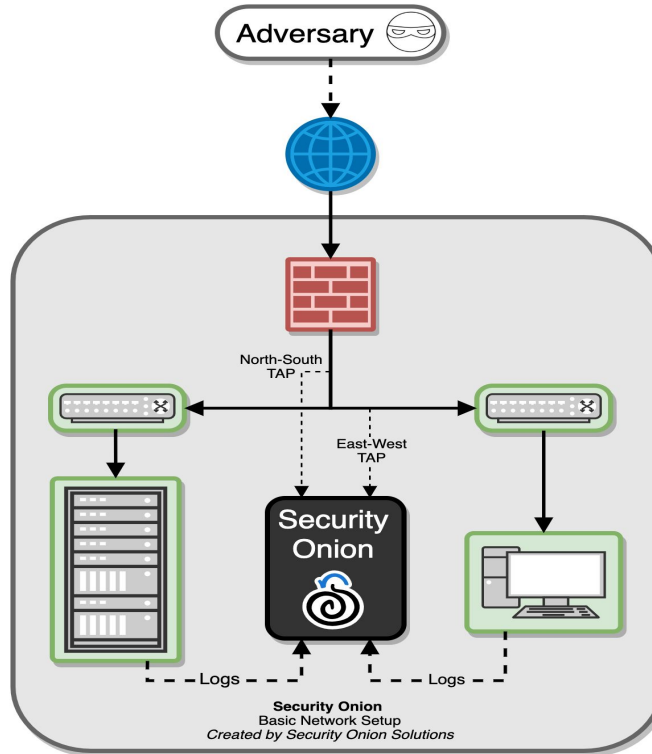
https://github.com/splunk/attack_range



Alternativas - Laboratorios de detección

Security Onion:

<https://securityonionsolutions.com/>





¡Crea tu HomeLab con VirtualBox!

Paso 1:

Verifica los requerimientos de tu equipo

Recomendaciones:

- Memoria RAM: 8GB
- CPU: Con soporte de virtualización activa
- Almacenamiento: Entre 100-200GB (También puedes utilizar discos externos)

Paso 2:

Instala el software de virtualización

<https://www.virtualbox.org/>

VirtualBox

Welcome to VirtualBox.org!

VirtualBox is a powerful x86 and AMD64/Intel64 [virtualization](#) product for enterprise as well as home use. Not only is VirtualBox an extremely feature rich, high performance product for enterprise customers, it is also the only professional solution that is freely available as Open Source Software under the terms of the GNU General Public License (GPL) version 2. See "[About VirtualBox](#)" for an introduction.

Presently, VirtualBox runs on Windows, Linux, Macintosh, and Solaris hosts and supports a large number of [guest operating systems](#) including but not limited to Windows (NT 4.0, 2000, XP, Server 2003, Vista, Windows 7, Windows 8, Windows 10), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x and 4.x), Solaris and OpenSolaris, OS/2, and OpenBSD.

VirtualBox is being actively developed with frequent releases and has an ever growing list of features, supported guest operating systems and platforms it runs on. VirtualBox is a community effort backed by a dedicated company: everyone is encouraged to contribute while Oracle ensures the product always meets professional quality criteria.

Download
VirtualBox 6.1



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Paso 3:

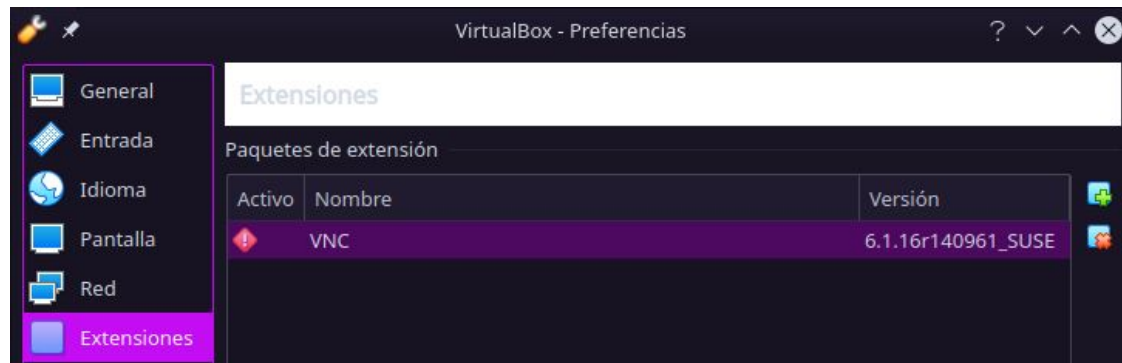
Instalar el paquete de extensión de VirtualBox

VirtualBox 6.1.36 Oracle VM VirtualBox Extension Pack

- [All supported platforms](#)

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.

<https://www.virtualbox.org/wiki/Downloads>



Paso 4:

Crear o Importar una VM

Máquinas Linux listas para importar en: <https://www.osboxes.org/>

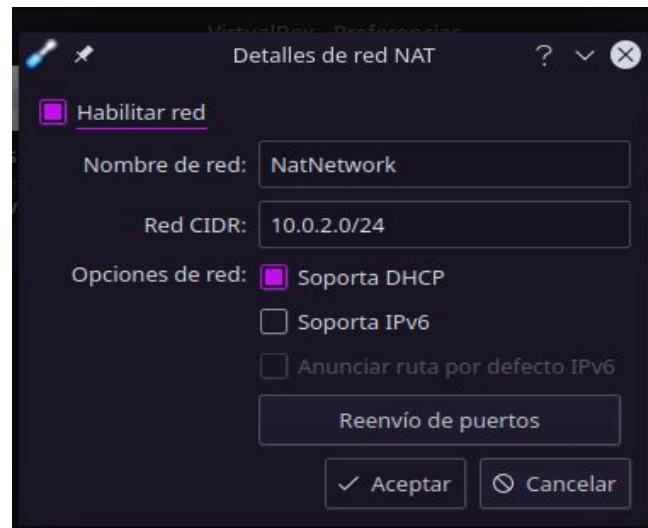
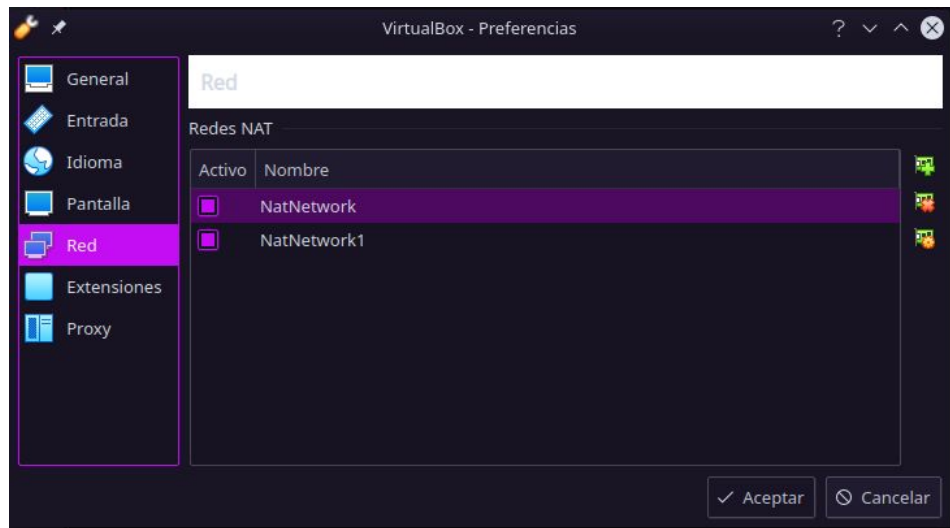
Máquinas Windows listas para importar en:

<https://developer.microsoft.com/en-us/microsoft-edge/tools/vms/>

Para los laboratorios te recomendamos tener Ubuntu y Windows 10.

Paso 5:

Configurar los adaptadores de red





¡Gracias!



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