

Instalar indy-pool en servidor Ubuntu 16.xx(Ubuntu servidor local y Amazon Web Service)

Paso 1 creamos un carpeta con el nombre de indy y clonamos el repositorio una vez que hemos ingresado a la carpeta recientemente creada con el siguiente comando

“ **git clone -b rc --depth=1 <https://github.com/hyperledger/indy-sdk.git>** “

```
victor@victor-VirtualBox: ~
victor@victor-VirtualBox:~$ cd Indy
victor@victor-VirtualBox:~/Indy$ git clone -b rc --depth=1 https://github.com/hyperledger/indy-sdk.git
Clonar en «indy-sdk»...
remote: Enumerating objects: 2984, done.
remote: Counting objects: 100% (2984/2984), done.
remote: Compressing objects: 100% (2227/2227), done.
remote: Total 2984 (delta 880), reused 1398 (delta 508), pack-reused 0
Receiving objects: 100% (2984/2984), 50.25 MiB | 6.72 MiB/s, done.
Resolving deltas: 100% (880/880), done.
Comprobando la conectividad... hecho.
victor@victor-VirtualBox:~/Indy$ sudo docker build -f ci/indy-pool.dockerfile -t indy_pool .
unable to prepare context: unable to evaluate symlinks in Dockerfile path: lstat /home/victor/Indy/ci: no such file or directory
victor@victor-VirtualBox:~/Indy$ ls
indy-sdk
victor@victor-VirtualBox:~/Indy$ cd indy-sdk/
victor@victor-VirtualBox:~/Indy/indy-sdk$ sudo docker build -f ci/indy-pool.dockerfile -t indy_pool .
Sending build context to Docker daemon 124MB
Step 1/22 : FROM ubuntu:16.04
16.04: Pulling from library/ubuntu
0a01a72a686c: Pull complete
```

Paso 2 accedemos a la carpeta indy-sdk y construimos la imagen con docker utilizando el siguiente comando

“ **sudo docker build -f ci/indy-pool.dockerfile -t indy_pool .**”

```
victor@victor-VirtualBox: ~
victor@victor-VirtualBox:~/Indy$ ls
indy-sdk
victor@victor-VirtualBox:~/Indy$ cd indy-sdk/
victor@victor-VirtualBox:~/Indy/indy-sdk$ sudo docker build -f ci/indy-pool.dockerfile -t indy_pool .
Sending build context to Docker daemon 124MB
Step 1/22 : FROM ubuntu:16.04
16.04: Pulling from library/ubuntu
0a01a72a686c: Pull complete
cc899a5544da: Pull complete
19197c550755: Pull complete
716d454e56b6: Pull complete
Digest: sha256:3f3ee50cb89bc12028bab7d1e187ae57f12b957135b91648702e835c37c6c971
Status: Downloaded newer image for ubuntu:16.04
--> 96da9143fb18
Step 2/22 : ARG uid=1000
--> Running in b9f83aa5f5fe
Removing intermediate container b9f83aa5f5fe
--> ccf2ef7699a
Step 3/22 : RUN apt-get update -y && apt-get install -y git wget python3.5 python3-pip python3-setuptools python3-nacl apt-tran
sport-https ca-certificates supervisor
--> Running in 367199737c60
Get:1 http://security.ubuntu.com/ubuntu xenial-security InRelease [109 kB]
```

Paso 3.- instnaciosmos la imagen recién creada con docker utilizando el siguiente comando
“**sudo docker run -itd -p 9701-9708:9701-9708 indy_pool**”

```
victor@victor-VirtualBox: ~  
Successfully tagged indy_pool:latest  
victor@victor-VirtualBox:~/Indy/indy-sdk$ sudo docker run -itd -p 9701-9708:9701-9708 indy_pool  
976c9e78eacbb3b6a6c1dae54b1df25bbf4bd2d35aaa005602e23bc81cbcb40b
```

Paso 4.-Verificamos que el contenedor se esta ejecutando con el siguiente comando
“**sudo docker ps -a**” podemos notar que aparece la imagen indy_pool con un estatus UP

```
victor@victor-VirtualBox: ~  
List containers  
victor@victor-VirtualBox:~/Indy/indy-sdk$ sudo docker ps -a  
CONTAINER ID   IMAGE      COMMAND                  CREATED  
STATUS        PORTS      NAMES  
976c9e78eacb   indy_pool  "/usr/bin/supervisord"  About a minute ago  
Up About a minute  0.0.0.0:9701-9708->9701-9708/tcp  heuristic_archimede  
s  
victor@victor-VirtualBox:~/Indy/indy-sdk$ sudo docker images  
REPOSITORY    TAG       IMAGE ID       CREATED  
SIZE  
indy_pool     latest   e3859d57987e   2 minutes ago  
685MB  
ubuntu       16.04    96da9143fb18   2 weeks ago  
124MB
```

Paso 5.-para entrar a la consola de la imagen ejecutamos el siguiente comando
“**sudo docker exec -t 976 /bin/bash**” 976 corresponde a los primeros digitos del container id que en este caso es 976c9e78eacb

```
victor@victor-VirtualBox: ~  
victor@victor-VirtualBox:~/Indy/indy-sdk$ sudo docker exec -t e385 /bin/bash  
Error: No such container: e385  
victor@victor-VirtualBox:~/Indy/indy-sdk$ sudo docker exec -t 976 /bin/bash  
indy@976c9e78eacb:/$ ls  
^C  
victor@victor-VirtualBox:~/Indy/indy-sdk$ sudo docker ps -a  
CONTAINER ID   IMAGE      COMMAND                  CREATED  
STATUS        PORTS      NAMES  
976c9e78eacb   indy_pool  "/usr/bin/supervisord"  5 minutes ago  
Up 5 minutes  0.0.0.0:9701-9708->9701-9708/tcp  heuristic_archimedes  
victor@victor-VirtualBox:~/Indy/indy-sdk$ cd ..  
victor@victor-VirtualBox:~/Indy$ cd ..  
victor@victor-VirtualBox:~$ ls  
Descargas  Escritorio  Imágenes  Música  Público  
Documentos examples.desktop  Indy  Plantillas  Videos  
victor@victor-VirtualBox:~$ sudo apt-key adv --keyserver keyserver.ubuntu.com --  
recv-keys 68DB5E88  
Executing: /tmp/tmp.gnZvq25ssz/gpg.1.sh --keyserver  
keyserver.ubuntu.com  
--recv-keys  
68DB5E88  
gpg: solicitando clave 68DB5E88 de hkp servidor keyserver.ubuntu.com  
gpg: clave 68DB5E88: clave pública "Sovrin-Repo-Master (Master key for repo.sovr  
ing.org) <repo@sovrin.org>" importada
```