

# Docker compose en máquinas LDAP réplica

## Accesos a las máquinas

<https://bookstack.soffid.com/books/universidad-nacional-de-colombia/page/vpn-y-accesos#bkmrk-acceso-a-las-m%C3%A1quina>

## Docker

Quitamos dependencias antiguas

```
for pkg in docker.io docker-doc docker-compose docker-compose-v2 podman-docker containerd runc; do sudo apt-get remove $pkg; done
```

Actualizamos repositorios

```
# Add Docker's official GPG key:
sudo apt-get update
sudo apt-get install ca-certificates curl
sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc
sudo chmod a+r /etc/apt/keyrings/docker.asc

# Add the repository to Apt sources:
echo \
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc]
https://download.docker.com/linux/ubuntu \
$(. /etc/os-release && echo "$VERSION_CODENAME") stable" | \
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
```

Instalamos docker

```
sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
```

Usuario sin sudo

```
sudo vi /etc/group
docker:x:988:soffid
sudo systemctl restart docker

sudo usermod -aG docker soffid

exit > login

docker ps
```

## Habilitar port forwarding

Actualizar la configuración del port forwarding del servidor.

```
sudo vi /etc/ssh/sshd_config

AllowTcpForwarding yes

sudo systemctl restart ssh
```

Abrimos el puerto por port forwarding mediante una conexión ssh.

```
ssh -L 8080:localhost:8080 soffid@168.176.235.58 // Bogotá
ssh -L 8080:localhost:8080 soffid@168.176.97.165 // Medellín
ssh -L 8080:localhost:8080 soffid@??? // Manizales
```

Ahora accedemos a través del navegador.

```
http://localhost:8080
```

Usuarios admin y svives creados y con password en el vault.

# Soffid LDAP

Documentación: <https://bookstack.soffid.com/books/soffid-ldap/page/how-to-install-soffid-ldap>

sudo vi docker-compose.yaml

```
services:
  soffid-ldap:
    image: soffid/soffidldap:15
    environment:
      SOFFID_SERVER: https://esUnaReplica
      SOFFID_AGENT: esUnaReplica
      USER: cn=admin
      PASSWORD: RTZlv6EkNACdN7xsd4jVRt3D
      DN: o=unal.edu.co
    ports:
      - 389:389
      - 636:636
    networks:
      - network
    volumes:
      - ldapconf:/etc/ldap/slapd.d
      - ldapdata:/var/lib/ldap

networks:
  network:
    name: netcompose
    driver: bridge

volumes:
  ldapconf:
    name: compose_ldapconf
  ldapdata:
    name: compose_ldapdata
```

Iniciamos los contenedores.

```
docker compose up -d
```

```
// Da error y luego al iniciarlo ya funciona
```

```
docker start soffid-soffid-ldap-1
```

Comandos útiles.

```
docker compose ps
```

```
docker compose logs -f soffid-soffid-ldap-1
```

```
docker compose exec -it soffid-soffid-ldap-1 bash
```

Para validar el acceso:

```
ssh -L 1389:localhost:389 soffid@168.176.235.58 // Bogotá
```

```
ssh -L 1389:localhost:389 soffid@168.176.97.165 // Medellín
```

```
ssh -L 1389:localhost:389 soffid@??? // Manizales
```

Validamos el acceso.

Network Parameter	Authentication	Browser Options	Edit Options
Connection name: UNAL LDAP máquina 1			
Network Parameter			
Hostname:	localhost		
Port:	1389		

	Attribute Description	Value
√ DIT		
Root DSE (1)	<b>objectClass</b>	<b>OpenLDAProotDSE (structural)</b>
Searches	<b>objectClass</b>	<b>top (abstract)</b>
Bookmarks	<b>configContext</b>	<b>cn=config</b>
	<b>entryDN</b>	
	<b>namingContexts</b>	<b>o=unal.edu.co</b>
	<b>structuralObjectClass</b>	<b>OpenLDAProotDSE</b>
	<b>subschemaSubentry</b>	<b>cn=Subschema</b>
	<b>supportedControl</b>	<b>1.2.826.0.1.3344810.2.3 (Matched Values Control)</b>
	<b>supportedControl</b>	<b>1.2.840.113556.1.4.319 (Simple Paged Results)</b>
	<b>supportedControl</b>	<b>1.3.6.1.1.12 (Assertion Control)</b>
	<b>supportedControl</b>	<b>1.3.6.1.1.13.1 (LDAP Pre-read Control)</b>

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