SSH Gateway Docker Installation

Introduction

Soffid allows you to deploy a new docker container with the **ssh gateway**. The configuration is similar to the sync server configuration, the main difference is the ssh container is listening in ssh.

Prerequisites

The SSH Service is only released as a docker service.

1. Install docker (https://docs.docker.com/install/)

2. Install Soffid PAM (store container and launcher container)

> You can visit the PAM Jump Server Installation page for more information about how to install PAM

3. Create a Docker network(*), that network allows you to connect containers to the same bridge network to communicate:

```
sudo docker network create -d bridge NETWORKNAME
```

* *You can use the same network defined in the Console and Sync Server installation to avoid visibility problems.*

Installation

The steps required to install SSH container are:

1. Create a user

We need to create a user in the pam store container. To do this, we need to connect to the store container.

```
sudo docker exec -it soffid-pam-store /bin/bash
```

Once, we are connected to the container, we need to run a script to create the user. This script has two parameters, the user name, and the role. We have to type launcher in the role parameter

```
root@soffid-pam-store:/# /opt/soffid/tomee/bin/add-user.sh proxysshtest launcher
Password: c4ZRcmgemq3nMr1VQJCD1pJRhPbdX5hrmmrP6RX7zBE4HSs3RV3+cGwDdL1WaaqZ
root@soffid-pam-store:/#
```

As a result of the script, we receive the password for the created user. This password will be needed later when we create the container.

2. Create volume

We need to create a volume that will be used by the docker container

```
sudo docker volume create soffid-ssh
```

3. Create a docker container

Finally, we need to execute the command to create the ssh gateway container

```
docker run \
--name soffid-ssh \
-e SOFFID_SERVER=https://iam-sync.soffidnet:1760 \
-e SOFFID_USER=admin \
-e SOFFID_PASS=changeit \
-e SOFFID_HOSTNAME=ssh-gateway \
-e STORE_SERVER=http://soffid-pam-store:8080 \
-e STORE_PASSWORD=kDH0vh8MFWWn843Vhzmj0Np7uzMEfbqFYM1ELCQqOf++tF0xfd=Ve2eGq81OXvqy \
-e STORE_USER=proxysshtest \
-v soffid-ssh:/opt/soffid/iam-sync/conf \
--publish 2222:22 \
--network=soffidnet \
```

```
soffid/pam-ssh:1.4.2
```

Environment Variables

To create the new SSH container you need to set the following environment variables:

Variable	Description	Example
SOFFID_SERVER	Sync Server URL	https://syncserver01.soffid.com:1760
SOFFID_USER	Soffid user to join the security domain	admin
SOFFID_PASSWORD	Soffid user password	changeit
SOFFID_HOSTNAME	The hostname used to access the ssh gateway	ssh-gateway
STORE_SERVER	Store URL	http://soffid-pam-store:8080
STORE_PASSWORD	Password received when you created the user in the store container.	**********
STORE_USER	Store user	proxyssh

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