SSH Gateway Docker Compose 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 docker compose (https://docs.docker.com/compose/install/)
3. 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

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 proxyssh-user 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. Execute the YAML

```
version: '3.8'

services:
  ssh-gateway:
    image: soffid/pam-ssh:1.4.47
    environment:
      SOFFID_SERVER: https://syncserver01.soffid.com:1760
      SOFFID_USER: soffidUser
      SOFFID_PASS: SoffidPassword
      SOFFID_HOSTNAME: ssh-gateway
      STORE_SERVER: https://soffid-pam-store:8443
      STORE_PASSWORD: c4ZRcmgemq3nMr1VQJCD1pJRhPbdX5hrmmrP6RX7zBE4HSs3RV3+cGwDdL1WaaqZ
      STORE_USER: proxyssh-user
    ports:
      - "2222:22"
    networks:
      - network
    volumes:
      - ssh-gateway-data:/opt/soffid/iam-sync/conf

networks:
  network:
    name: netcompose
    driver: bridge

volumes:
```

```
  ssh-gateway-data:
    name: compose-ssh-gateway-data
```

Execute:

```
sudo docker compose up -d
```

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	*********
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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