

# SSH gateway

- [SSH Gateway Installation](#)
- [SSH Gateway Connection](#)

# SSH Gateway 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 proxysstest 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=kDH0vh8MFwWn843Vhzmj0Np7uzMEfbqFYM1ELCQq0f+++tF0xfd=Ve2eGq810Xvqy \
-e STORE_USER=proxysstest \
-v soffid-ssh:/opt/soffid/iam-sync/conf \
--publish 2222:22 \
--network=soffidnet \
```

## 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



```
[patricia@forgecentos ~]$
```

## How to connect 2

You can establish the connection with the target system typing all the parameters to connect in one line `AccountName__HostName__TargetAccount`. At the end, Soffid will ask the password of your account to connect.

- **Account name:** account to connect to Soffid.
- **Host name:** target system to which you want to connect.
- **Target account:** account to connect to the target system.
- **Password:** password of your account to connect to Soffid.

```
root@soffid: ~# ssh -p 2222 dilbert_10.129.120.5__patricia@ssh-gateway
```

```
Password:
```

```
_____
|           _           |
|          _/          |
|   _  _  _/  ]  _o  _  |
|  |_ / \ | | | / |    |
|   ] \_ / | | | \_ /  SSH GATEWAY |
|           _/          |
|           |           |
| Hello dilbert         |
| NOTICE: This session is being recorded |
|_____
```

```
Connecting to 10.129.120.5 as patricia
```

```
Last login: Fri Apr 8 09:57:22 2022 from 10.129.120.6
```

```
[patricia@forgecentos ~]$
```

## How to connect 3

You can establish the connection with the target system typing all the parameters to connect in one line `AccountName__HostName__TargetAccount` and using a ssh key.

- **Account name:** account to connect to Soffid.
- **Host name:** target system to which you want to connect.
- **Target account:** account to connect to the target system.



Object type :   
 Description :

Order	Code
Filter	Filter
28	__AUDIT__
29	createdByUser
30	createdDate
31	modifiedByUser
32	modifiedDate
33	RegisterServiceProvider
34	ActivationKey
35	__OTHER DATA__
36	language
37	country
38	Color
104	office
104	company
105	IAMIndicator
9999	ssh_key

**Attribute metadata**

Attribute metadata < 42 / 42

Code :   
 Label :   
 Data type:   
 User hint :   
 Description :   
 Required :  No  
 Include in quick search :  No  
 Prevent duplicated values :  No  
 Multiple values :  Yes   
 Maximum number of rows to display :   
 Size :   
 Values :   
 Administrator visibility :   
 Operator visibility :   
 User visibility :   
 Visibility expression :

**Common attributes**

User name :   
 First name :   
 Last Name :   
 Middle name :   
 Full name :   
 Birth date :

**Organization**

Type :   
 Primary group :  OU=admingroup,DC=testora,DC=lab  
 Home server :   
 Profile server :   
 Manager :   
 Contract type :   
 Fotografia :

**Mail service**

Internal eMail :   
 Mail alias :   
 External email :   
 Mail server :

**Other**

NIF :   
 PHONE :

**User status**

Enabled :  No  
 Multi session :  No  
 Comments :

**Audit information**

Created by : admin Soffid Administrator  
 Created on : 5/31/21 14:16  
 Modified by : admin Soffid Administrator  
 Modified last on : 4/8/22 10:13  
 RegisterServiceProvider : RegisterServiceProvider  
 ActivationKey : ActivationKey

**OTHER DATA**

SSH Public key :

---

[https://es.wikipedia.org/wiki/Secure\\_Shell](https://es.wikipedia.org/wiki/Secure_Shell)