RDP gateway

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RDP Gateway Docker Installation

Introduction

Soffid allows you to deploy a new docker container with the **RDP gateway**. The configuration is similar to the sync server configuration.

Prerequisites

The RDP 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 RDP 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 proxyrdptest 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-rdp
```

3. Create a docker container

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

```
docker run \
  --name soffid-rdp \
  -e SOFFID_SERVER=https://iam-sync.soffidnet:1760 \
  -e SOFFID_USER=admin \
  -e SOFFID_PASS=changeit \
  -e SOFFID_HOSTNAME=rdp-gateway \
  -e STORE_SERVER=http://soffid-pam-store:8080 \
  -e STORE_PASSWORD=/Dp77Kho5QB2vVKjNNGmXYLzVa6PoPWJ8p0E4O7EP++9/ZM+l3cieGKMRSgOnFCMc \
  -e STORE_USER=proxyrdp \
  -v soffid-rdp:/opt/soffid/iam-sync/conf \
  --privileged \
  --shm-size=1024m  \
```

```
-p 3389:3389 \
--network=soffidnet.intenal \
soffid/pam-rdp: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.pat.pam:8082
STORE_PASSWORD	Password received when you created the user in the store container.	**********
STORE_USER	Store user	proxyrdp

RDP Gateway Docker Compose Installation

Introduction

Soffid allows you to deploy a new docker container with the **RDP gateway**. The configuration is similar to the sync server configuration.

Prerequisites

The RDP 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 RDP 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 proxyrdp-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-rdp:1.4.47
    environment:
      SOFFID_SERVER: https://syncserver01.soffid.com:1760
      SOFFID_USER: admin
      SOFFID_PASS: admin123
      SOFFID_HOSTNAME: rdp-gateway-2
      STORE_SERVER: https://soffid-pam-store:8443
      STORE_PASSWORD: c4ZRcmgemq3nMr1VQJCD1pJRhPbdX5hrmmrP6RX7zBE4HSs3RV3+cGwDdL1WaaqZ
      STORE_USER: proxyrdp
    ports:
      - "2222:22"
    networks:
      - network
    volumes:
      - rdp-gateway-data:/opt/soffid/iam-sync/conf

networks:
  network:
    name: netcompose
    driver: bridge

volumes:
  rdp-gateway-data:
```

```
    name: compose-rdp-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	changeit
SOFFID_HOSTNAME	The hostname used to access the ssh gateway	ssh-gateway
STORE_SERVER	Store URL	http://soffid.pat.pam:8082
STORE_PASSWORD	Password received when you created the user in the store container.	**********
STORE_USER	Store user	proxyrdp

RDP Gateway Connection

Introduction

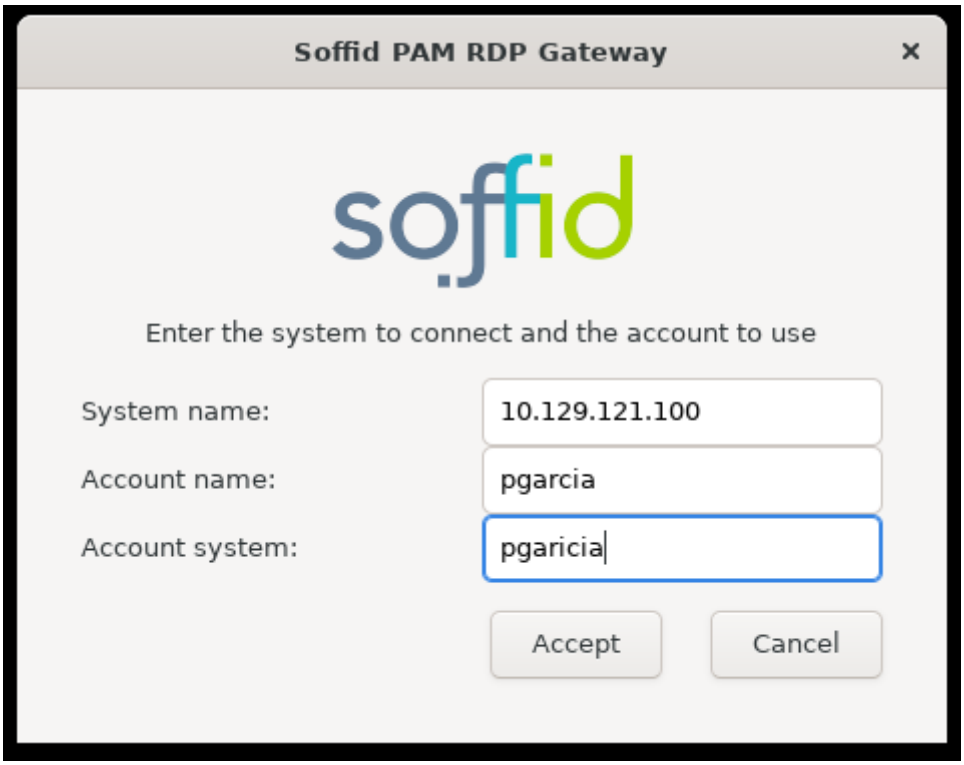
We can establish a connection to the target system using the RDP remote access protocol. You can use a remote desktop client.

How to connect

You can establish the connection with the ssh gateway using a desktop client and then Soffid will ask you the parameters to connect:

- **System name**: system to which you want to connect.
- **Account name**: Soffid's account.
- **Account system:** account to use to connect to the target system.





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https://es.wikipedia.org/wiki/Remote_Desktop_Protocol