SSH Gateway Connection

Introduction

We can establish a connection to the target system using the SSH remote access protocol.

How to connect 1

You can establish the connection with the ssh gateway and then Soffid will ask your password and the target system parameters to connect:

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

```
root@soffid:~# ssh -p 2222 dilbert@ssh-gateway

Password:

Target server: 10.129.120.5

Account to use: patricia

Account source system [leave blank to use a target system local account]:

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

Connecting to 10.129.120.5 as patricia
```
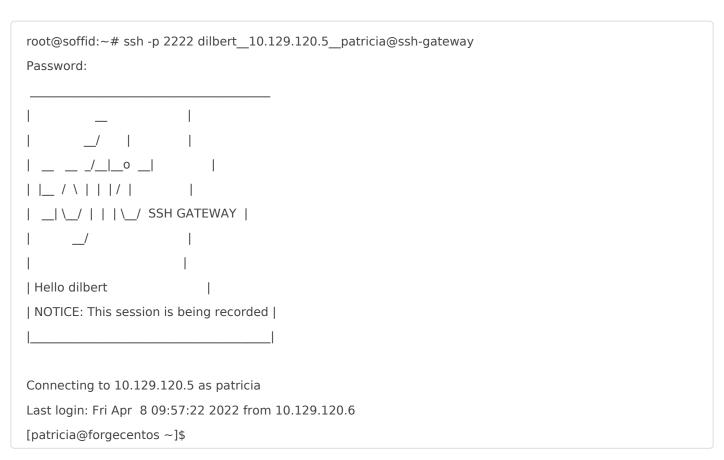
Last login: Fri Apr 8 08:39:23 2022 from 10.129.120.6

[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.

You can generate an ssh key to connect or use your existing ssh key.

- Generate a new ssh key: `ssh-keygen -t rsa`
- Read an existing ssh key: `cat .ssh/id_rsa.pub`

Then you need to include it in Soffid Console in your user data.

Finally you can establish the connection.

```
pgarcia@soffid:~$ ssh -p 2222 pgarcia__10.129.120.5__patricia@ssh-gateway

 _____
|            __                   |
|          _/    |                |
|  _   _  _/__|_o _|         |    |
| |_ / \ | | |/ |           |     |
|  _|\_/ | | |\_/  SSH GATEWAY |  |
|        _/                    |  |
|                             |   |
| Hello pgarcia               |   |
| NOTICE: This session is being recorded |
|_____|


Connecting to 10.129.120.5 as patricia
Last login: Fri Apr  8 11:57:19 2022 from 10.129.120.6
[patricia@forgecentos ~]$
```

Soffid needs the **ssh_key** attribute in the user object metadata, please check the attribute is created properly, and the fill in with your public key.

Object type :	com.soffid.iam.api.User
Description : :	Builtin user object

▾ 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 :	ssh_key
Label :	SSH Public key
Data type:	String ⌄
User hint :	User hint
Description :	Description
Required :	III No
Include in quick search :	III No
Prevent duplicated values :	III No
Multiple values :	Yes III
Maximum number of rows to display :	Maximum number of rows to display
Size :	Size
Values :	Values
Administrator visibility :	Read only ⌄
Operator visibility :	Read only ⌄
User visibility :	Read/write ⌄
Visibility expression :	Visibility expression

Common attributes

User name :	pgarcia
First name :	patricia
Last Name :	garcia
Middle name :	Middle name
Full name :	patricia garcia
Birth date :	5/3/80

Organization

Type :	Internal user ⌄
Primary group :	admingroup 👥 OU=admingroup,DC=testora,DC=lab
Home server :	Home server
Profile server :	Profile server
Manager :	Manager
Contract type :	⌄
Fotografía :	

Mail service

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

Other

NIF :	NIF
PHONE :	⌄

User status

Enabled :	Yes III
Multi session :	III No
Comments :	Comments

Audit information

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

OTHER DATA

SSH Public key :	ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQCfuHHJovqIwybPULgkxhK8fR3U0Ymetok980k3InJNCE

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