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# Connecting Tacacs+

## Introduction

TACACS (**T**erminal **A**ccess **C**ontroller **A**ccess **C**ontrol **S**ystem) is a security protocol that provides centralized validation of users who are attempting to gain access to a router or NAS

TACACS+ is a protocol for AAA services:

- Authentication
- Authorization
- Accounting

## Register Tacas+

1. Open the **Identity & Service Provider** page.

Main Menu > Administration > Configure Soffid > Web SSO > Identity & Service providers

2. To add a new service provider, click on the **Add Service Provider** button.

Be in mind that you can configure more than one Entity Group and you could add new service providers in each one.

3. Then you must fill in the required fields. Also, you need to provide the identity provider metadata. You can either copy it from the Soffid federation page or instruct the service provider to download the federation metadata by itself.

Identification

Type : Tacacs+ ▼

Identifier : tacacs

Name : tacacs

Tacacs+ configuration

Source IPs : 127.0.0.1

Tacacs+ secret : 

.....

Authorization rules

|                                     |                       |
|-------------------------------------|-----------------------|
| <input type="checkbox"/>            | ▼ Authorization rules |
| <input checked="" type="checkbox"/> | Filter                |
| <input type="checkbox"/>            | Rule01                |

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Login rules

Roles required to login : Roles required to login

System where an enabled account is required : tenantIdP3 - tenantIdP3 ▼

Undo

Apply changes

For more information about the attributes, you can visit [the Tacacs+ detailed info](#).

When a Tacacs Service Provider is created, Soffid creates an Information System

Basics Role scopes Roles Users Effective users Managers

Application ▼

Parent : Parent

Name : TACACS+ \*

Qualified name : TACACS+

Description : TACACS+ access roles \*

Source : Source

Owner : Owner

Executable : Executable

Database : Database

BPM enabled : 

III

No

Notification emails : Notification emails

Approval process : - None - ▼

Role definition process : - None -

Single role : 

III

No

Undo

Apply changes

There are some roles defined for this Information System (0: anonymous, 1: user, ...15: root)

TACACS+ - TACACS+ access roles



| ▣                        | ▼ Name                              | 🔍 Description                       | 🔍 System                            | 🔍 Domain                            | 🔍 Category                          |
|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|                          | <input type="text" value="Filter"/> | <input type="text" value="Filter"/> | <input type="text" value="Filter"/> | <input type="text" value="Filter"/> | <input type="text" value="Filter"/> |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_10                | TACACS+ level 10                    | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_11                | TACACS+ level 11                    | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_12                | TACACS+ level 12                    | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_13                | TACACS+ level 13                    | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_14                | TACACS+ level 14                    | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_2                 | TACACS+ level 2                     | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_3                 | TACACS+ level 3                     | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_4                 | TACACS+ level 4                     | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_5                 | TACACS+ level 5                     | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_6                 | TACACS+ level 6                     | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_7                 | TACACS+ level 7                     | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_8                 | TACACS+ level 8                     | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_9                 | TACACS+ level 9                     | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_MIN               | Anonymous TACACS+ user              | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_ROOT              | Super TACACS+ user                  | tenantIdP3                          |                                     | TACACS+                             |
| <input type="checkbox"/> | TAC_PLUS_PRIV_LVL_USER              | Standard TACACS+ user               | tenantIdP3                          |                                     | TACACS+                             |

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