

TACACS+

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TACACS+ (The Terminal Access Controller Access-Control System Plus)

“ TACACS+ is a security protocol that provides centralized validation of users who are attempting to gain access to a router or other devices.

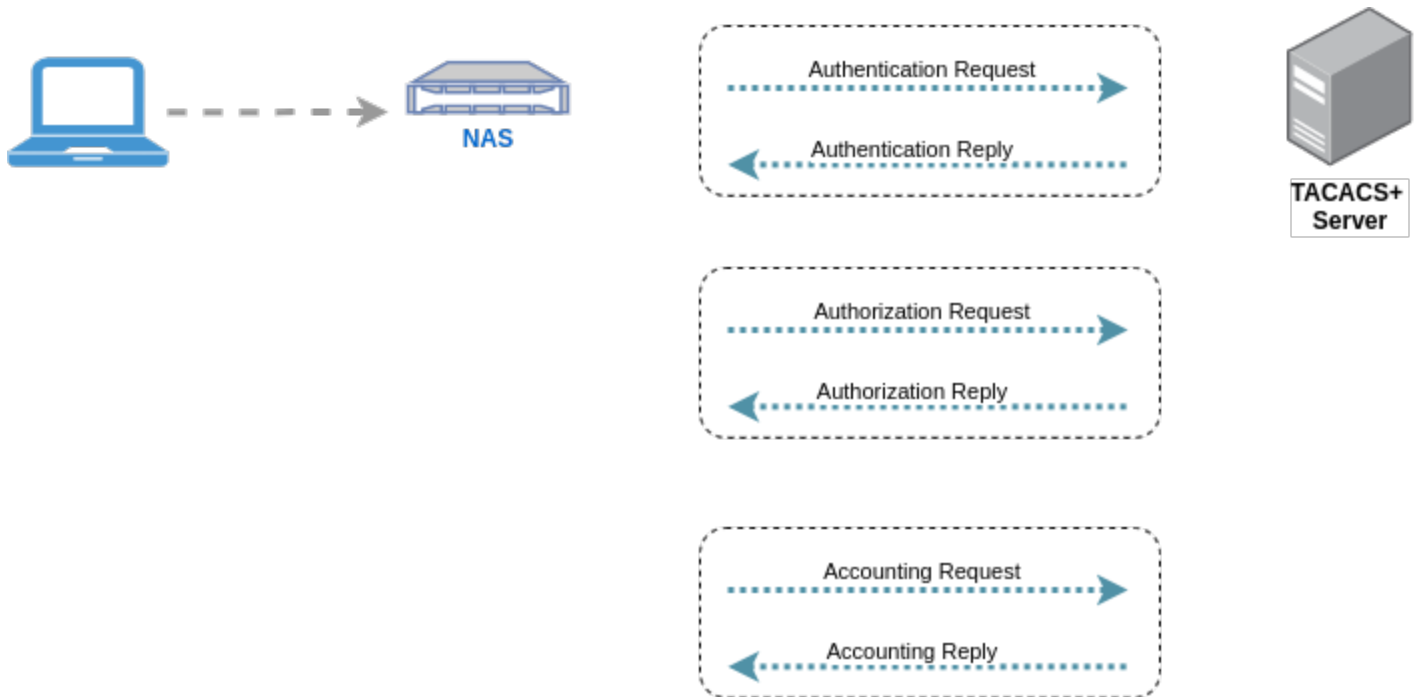
TACACS+ is a protocol for AAA services:

- Authentication
- Authorization
- Accounting

<https://www.rfc-editor.org/rfc/rfc8907.html>

TACACS+ architecture

Introduction



TACACS+ Example

Service Provider

Identification

Type :

Tacacs+

Identifier :

tacacs

Name :

tacacs

Login rules

Roles required to login :

Roles required to login

System where an enabled account is required :

tenantIdP3 - tenantIdP3

Tacacs+ configuration

Source IPs :

127.0.0.1

Tacacs+ secret :

.....

Authorization rules

☐

▼ Authorization rules

☐

Filter

☐

Rule01

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+

Undo

Apply changes

Information Systems

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

Basics

Role scopes

Roles

Users

Effective users

Managers

Type :

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



| <div> <div></div> <div>▼ Name</div> </div> | <div> <div></div> <div>Description</div> </div> | <div> <div></div> <div>System</div> </div> | <div> <div></div> <div>Domain</div> </div> | <div> <div></div> <div>Category</div> </div> |
|---|---|--|--|--|
| Filter | Filter | Filter | Filter | 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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