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
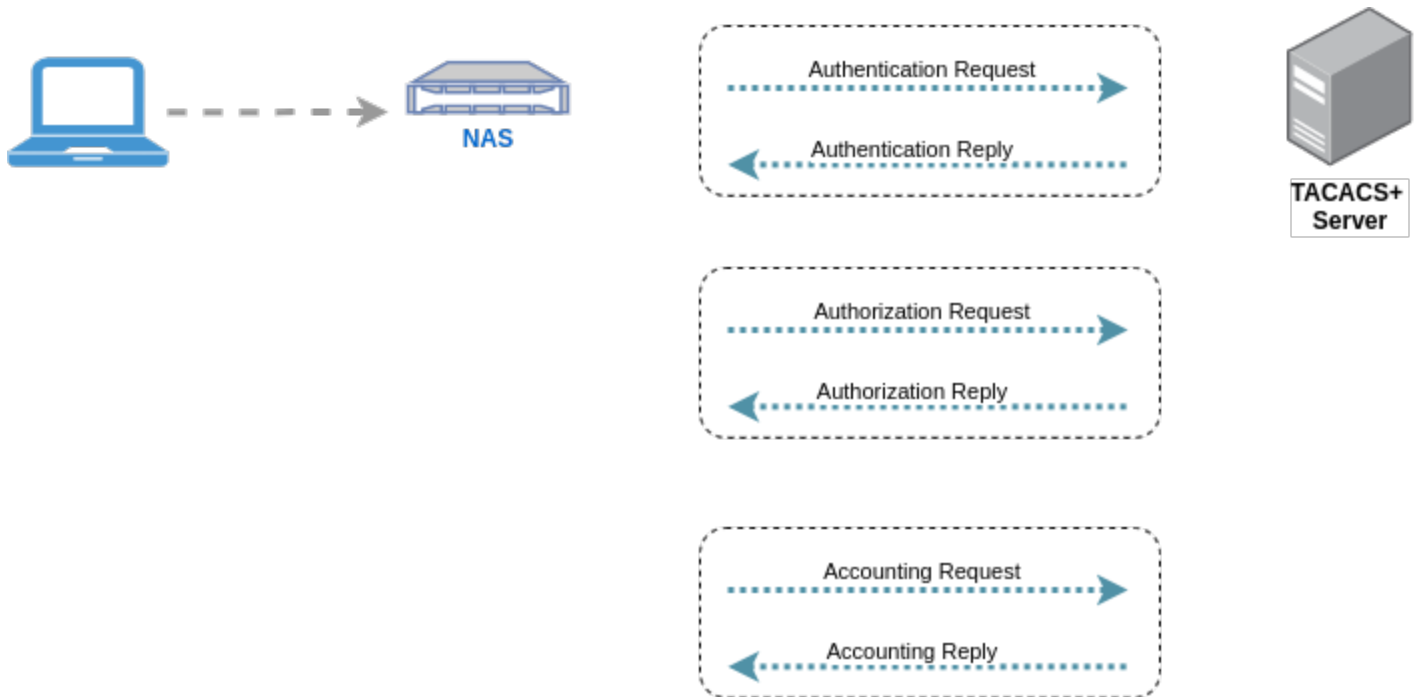
TACACS+ Example

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

Displayed rows: 1

➕

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 :	No
Notification emails :	Notification emails
Approval process :	- None -
Role definition process :	- None -
Single role :	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
	Filter	Filter	Filter	Filter	Filter
☐	TAC_PLUS_PRIV_LVL_10	TACACS+ level 10	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_11	TACACS+ level 11	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_12	TACACS+ level 12	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_13	TACACS+ level 13	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_14	TACACS+ level 14	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_2	TACACS+ level 2	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_3	TACACS+ level 3	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_4	TACACS+ level 4	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_5	TACACS+ level 5	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_6	TACACS+ level 6	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_7	TACACS+ level 7	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_8	TACACS+ level 8	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_9	TACACS+ level 9	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_MIN	Anonymous TACACS+ user	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_ROOT	Super TACACS+ user	tenantIdP3		TACACS+
☐	TAC_PLUS_PRIV_LVL_USER	Standard TACACS+ user	tenantIdP3		TACACS+

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