IPv6 Address Support for TACACS+ Server

Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	All
Applicable Platform(s)	• ASR 5500 • VPC-DI • VPC-SI
Feature Default	Disabled - Configuration required
Related Changes in This Release	Not applicable
Related Documentation	• *ASR 5500 System Administration Guide* • *Command Line Interface Reference* • *VPC-DI System Administration Guide* • *VPC-SI System Administration Guide*

Revision History

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Important   Revision history details are not provided for features introduced before releases 21.2 and N5.1.

Revision Details	Release
With this release, IPv6 addresses are supported along with IPv4 addresses for the receiver host system and network access server (NAS) on the TACACS+ server.	21.14
First introduced.	Pre 21.2

Feature Changes

The Terminal Access Controller Access-Control System Plus (TACACS+) AAA service-related parameters for use in authenticating StarOS administrative users via a TACACS+ server could be configured only with IPv4 addresses.

Previous Behavior: In releases earlier to 21.14, only IPv4 addresses were supported for the receiver host system and network access server (NAS) on the TACACS+ server.

New Behavior: In release 21.14 onwards, IPv4 and IPv6 addresses are supported for the receiver host system and network access server (NAS) on the TACACS+ server. The **ip-address** and **nas-source-address** keywords of the **server** CLI command are modified to support the IPv6 configuration.

Command Changes

server

Use the following configuration to specify external TACACS+ server with an IPv6 address.

```
configure
  tacacs mode
    [ no ] server priority priority_number ip-address ip-address
nas-source-address ip-address
    end
```

NOTES:

- **no**: Removes a specified server (by priority number) from the TACACS+ server list.

- **server priority** *priority_number*: Specifies the order in which TACACS+ servers are to be tried. The priority number corresponds to a configured TACACS+ server.

  For releases prior to 18.2, priority_number can be an integer from 1 (highest priority) to 3 (lowest priority).

  For releases 18.2+, priority_number can be an integer from 1 (highest priority) to 4 (lowest priority).

  If no server with priority 1 is specified, the next highest priority is used. If the specified priority matches that of a TACACS+ server already configured, any previously defined server configuration parameter(s) for that priority are returned to the default setting(s).

- **ip-address** *ip_address*: Specifies the IP address of the TACACS+ server in IPv4 or IPv4 dotted-decimal notation. Only one IP address can be defined for a given **server priority**.

- **nas-source-address** *ip_address*: Sets the IPv4 or IPv6 address to be specified in the Source Address of the IP header in the TACACS+ protocol packet sent from the NAS to the TACACS+ server. ip_address is entered using IPv4 dotted-decimal notation and must be valid for the interface.