**snmp-server group SNMP-G1 v3 priv read SNMP-RO access PERMIT-SNMP**

**snmp-server user SNMP-Admin SNMP-G1 v3 auth sha Authpass priv aes 128 Encrypass**

** snmp-server user SNMP-Admin**

* **Creates a user named SNMP-Admin for SNMP access.**

** SNMP-G1**

* **Assigns the user to the SNMP group SNMP-G1, which defines the permissions and MIB view.**
* **In your previous command, SNMP-G1 had read access to SNMP-RO and privileged security (auth + encryption).**

** v3**

* **Specifies SNMP version 3, which is secure and supports authentication and encryption.**

** auth sha Authpass**

* **Enables authentication using the SHA algorithm.**
* **Authpass is the authentication password the user must provide.**

** priv aes 128 Encrypass**

* **Enables encryption (privacy) using AES-128.**
* **Encrypass is the encryption password for securing SNMP messages.**

Grants this group **read access** to the SNMP view SNMP-RO

Applies an **ACL PERMIT-SNMP** to limit which IPs can query this SNMP group.

Sets the **highest security level**, which includes:

* **Authentication**: username/password required
* **Privacy**: data is encrypted

Specifies SNMP version 3

Creates an SNMP group called SNMP-G1