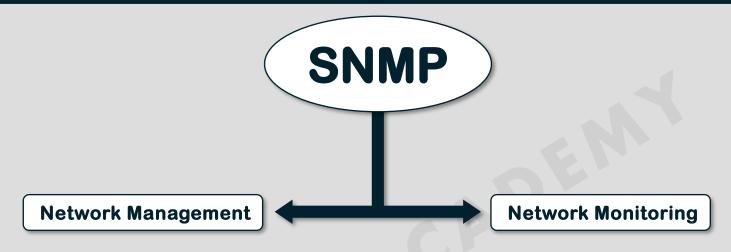
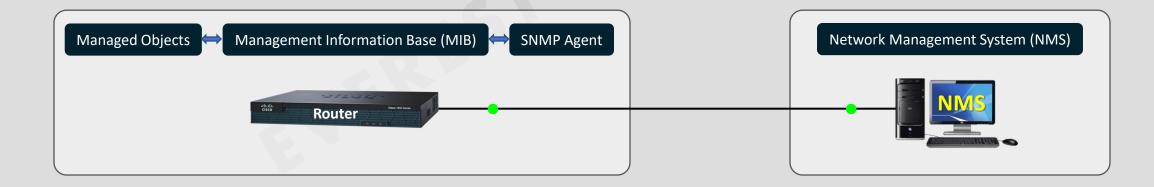
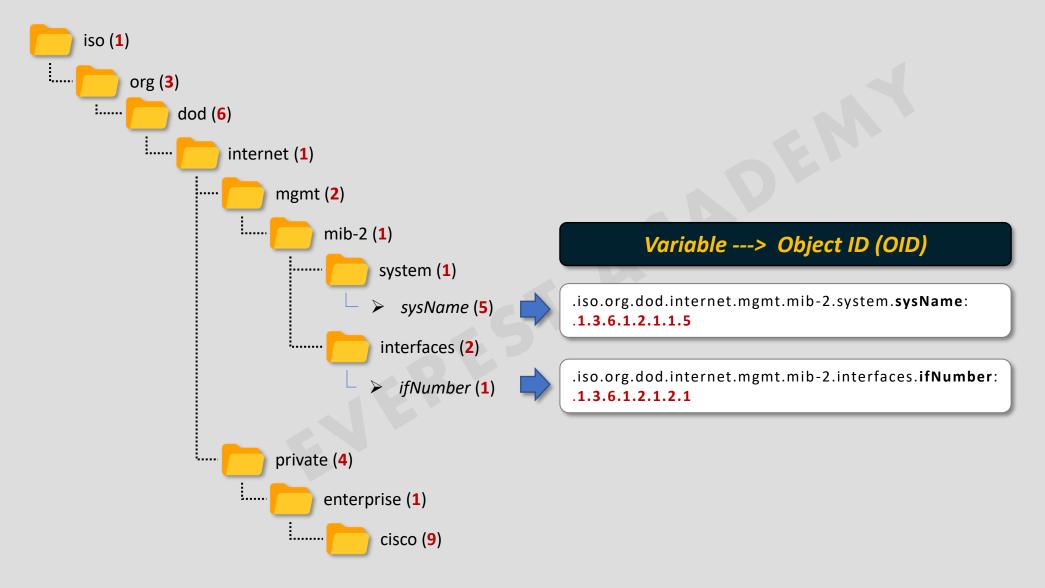
Simple Network Management Protocol (SNMP)



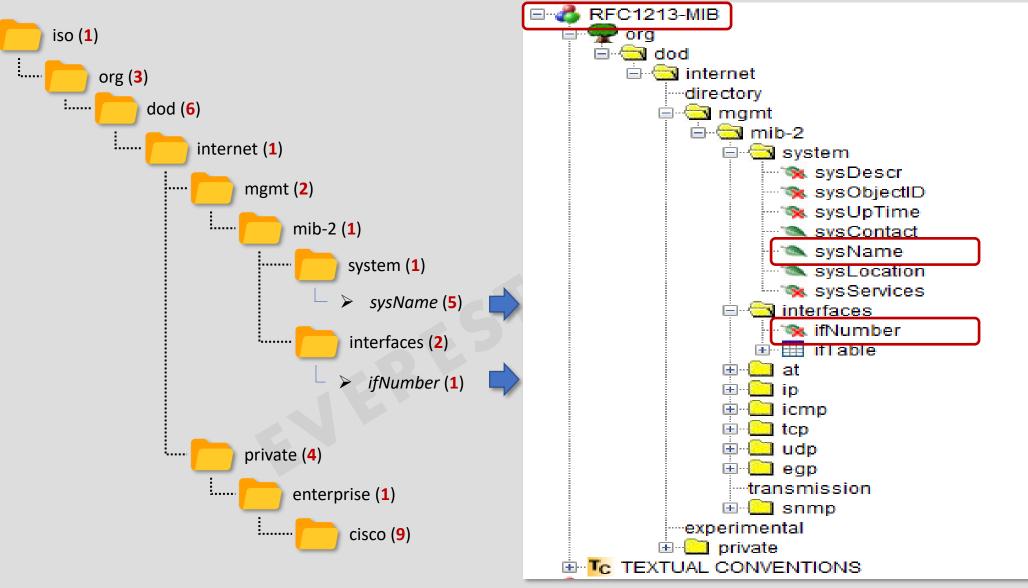




Management Information Base (MIB)



Management Information Base (MIB)





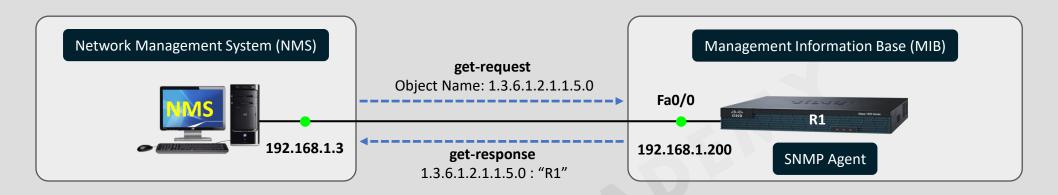
SNMP Versions

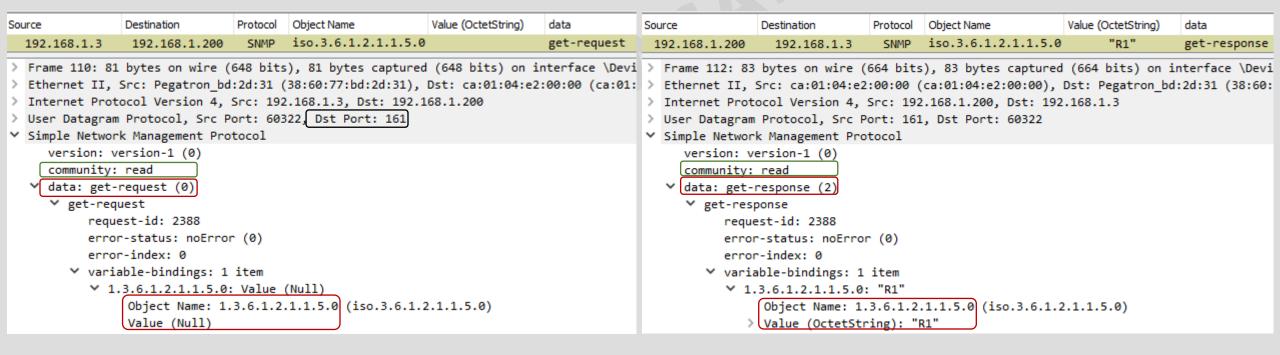


- ☐ **SNMPv1** Supports plaintext authentication with community strings.
- SNMPv2c Supports plaintext authentication with community strings with no encryption but provides GET BULK. It offers a more detailed error message via a reporting method called INFORM.
- □ **SNMPv3** Supports strong authentication with MD5 or SHA, providing confidentiality (encryption) and data integrity of messages via DES or DES-256 encryption between agents and managers.



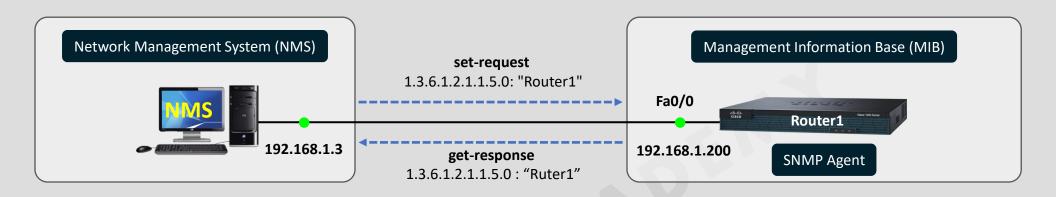
SNMP Messages : Get-request and Get-response

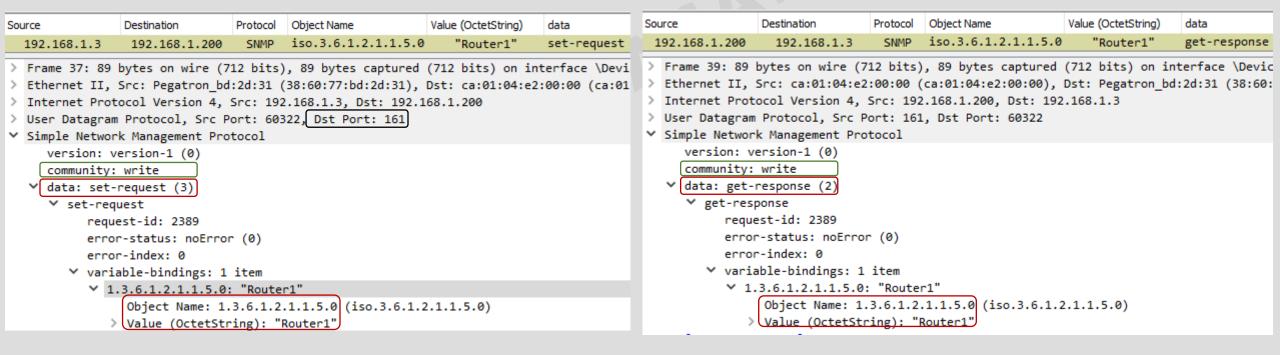






SNMP Messages : Set-request

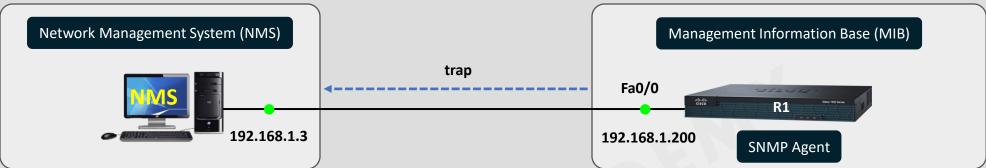


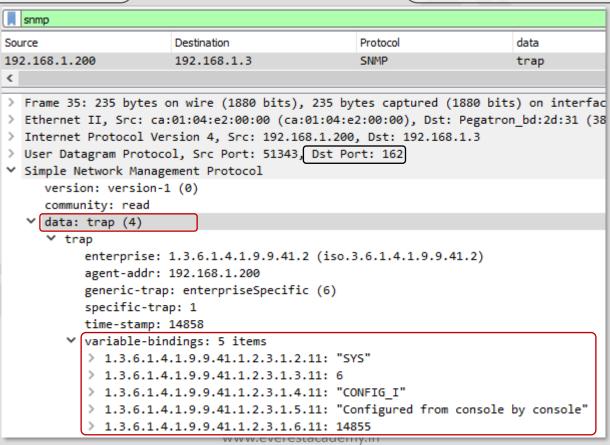




رابط دورة المدخل الى شبكات سيسكو 301-CCNA 200 على موقع يودمي , هذه الدورة من إعداد المدرب عبد الرحمن العلوش

SNMP Messages : SNMP Trap







SNMP Messages : SNMP Inform

