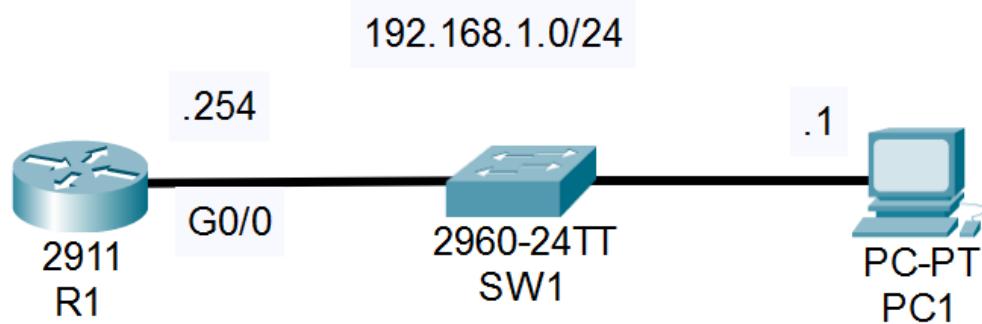


## Network Topology:



## Instructions and actions:

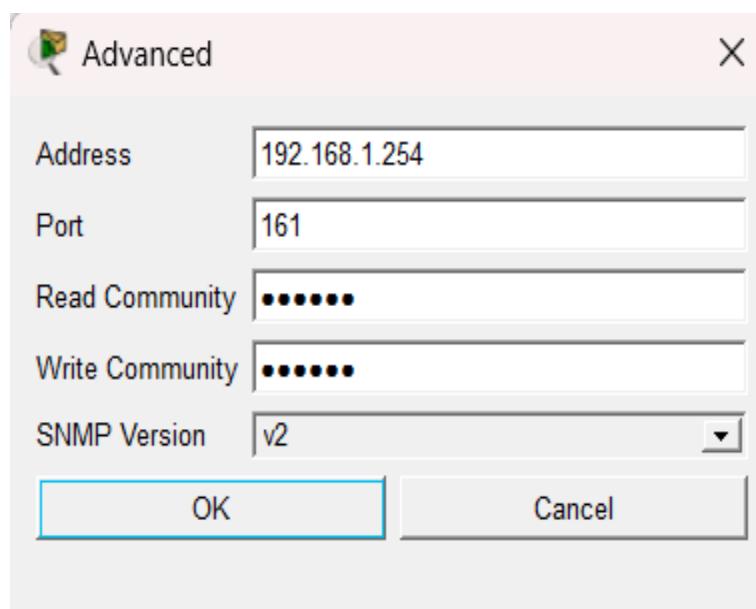
1. Configure the following SNMP communities on R1:

read-only: Cisco1

read/write: Cisco2

```
R1>en
R1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#snmp-server community ?
WORD  SNMP community string
R1(config)#snmp-server community cisco1 ?
ro  Read-only access with this community string
rw  Read-write access with this community string
<cr>
R1(config)#snmp-server community cisco1 ro
$SNMP-5-WARMSTART: SNMP agent on host R1 is undergoing a warm start
R1(config)#snmp-server community cisco2 rw
R1(config)#[
```

Now, we can access information using the community string on PC1:



PC1

Physical Config Desktop Programming Attributes

MIB Browser X

Address: 192.168.1.254 OID: .1.3.6.1.2.1.2.1.0  
Advanced... Operations: Get Bulk GO

SNMP MIBs

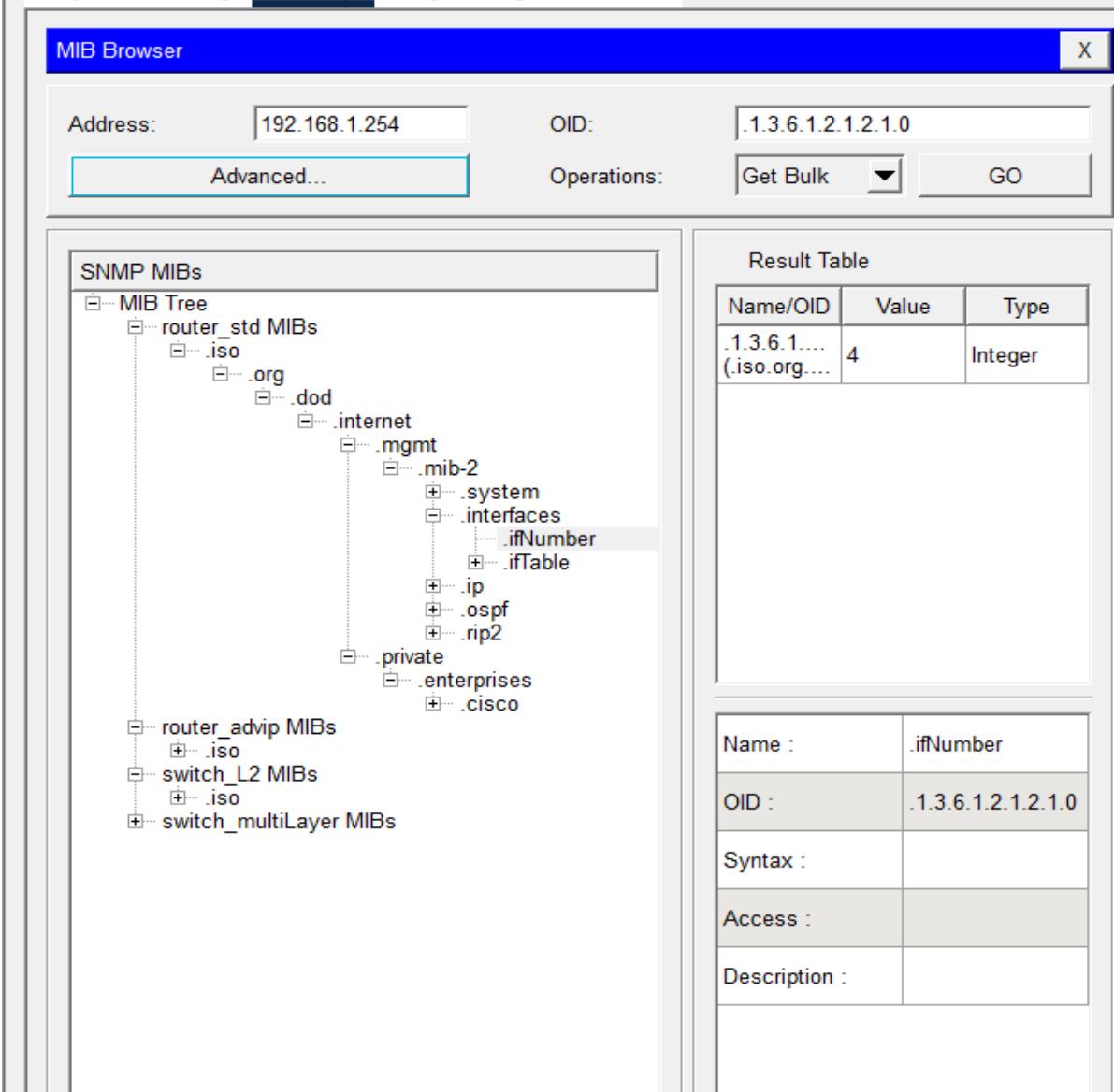
MIB Tree

- router\_std MIBs
  - .iso
    - .org
      - .dod
        - .internet
          - .mgmt
            - .mib-2
              - .system
              - .interfaces
                - .ifNumber
                - .ifTable
              - .ip
              - .ospf
              - .rip2
            - .private
              - .enterprises
              - .cisco
    - router\_advip MIBs
      - .iso
    - switch\_L2 MIBs
      - .iso
    - switch\_multiLayer MIBs

Result Table

Name/OID	Value	Type
.1.3.6.1.... .iso.org....	4	Integer

Name :	.ifNumber
OID :	.1.3.6.1.2.1.2.1.0
Syntax :	
Access :	
Description :	



2. Use an SNMP 'Set' message from PC1 to change the hostname of R1.

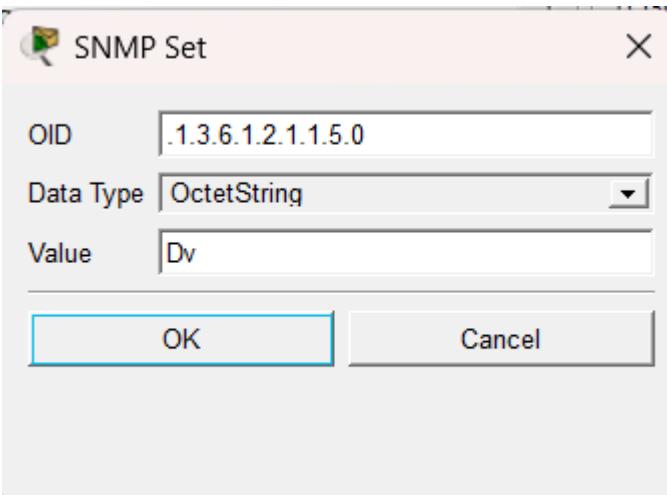
SNMP Set X

OID .1.3.6.1.2.1.1.5.0

Data Type OctetString

Value Dv

OK Cancel





Physical Config Desktop Programming Attributes

### MIB Browser

Address:	192.168.1.254	OID:	.1.3.6.1.2.1.1.5.0
Advanced...		Operations:	Set ▾ GO

#### SNMP MIBs

MIB Tree	
	router_std MIBs
	.iso
	.org
	.dod
	.internet

#### Result Table

Name/OID	Value	Type
.1.3.6... (.iso.o...)	Dv	Octet...