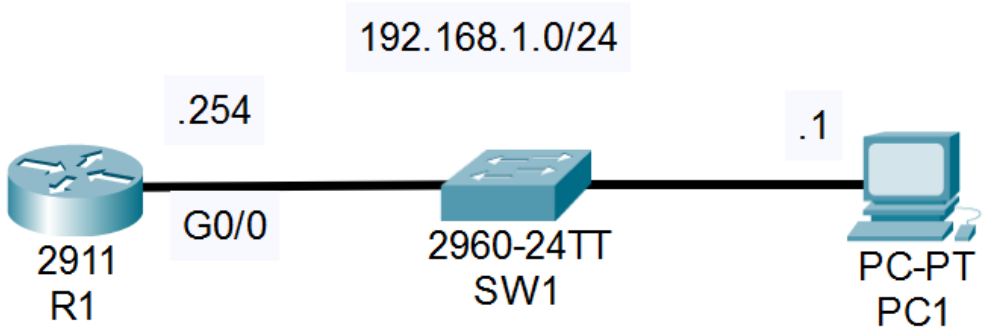
Network Topology:



Instructions and actions:

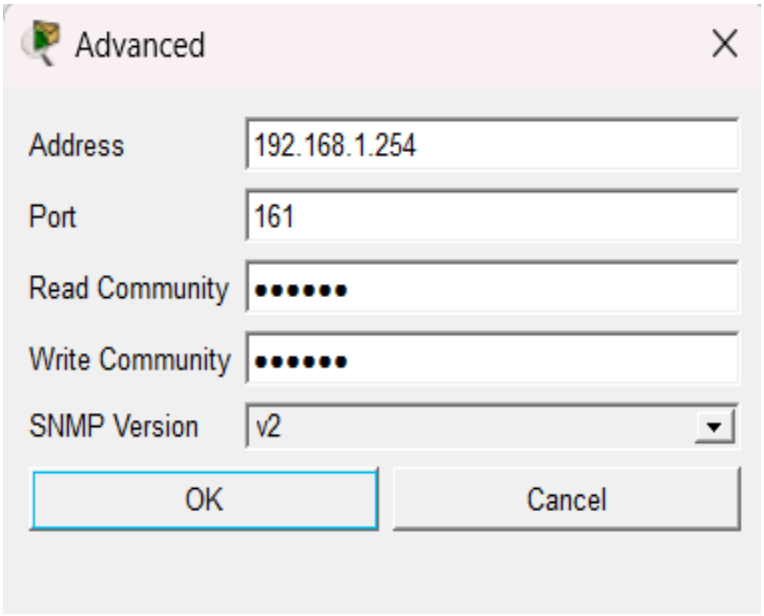
1. Configure the following SNMP communities on R1:

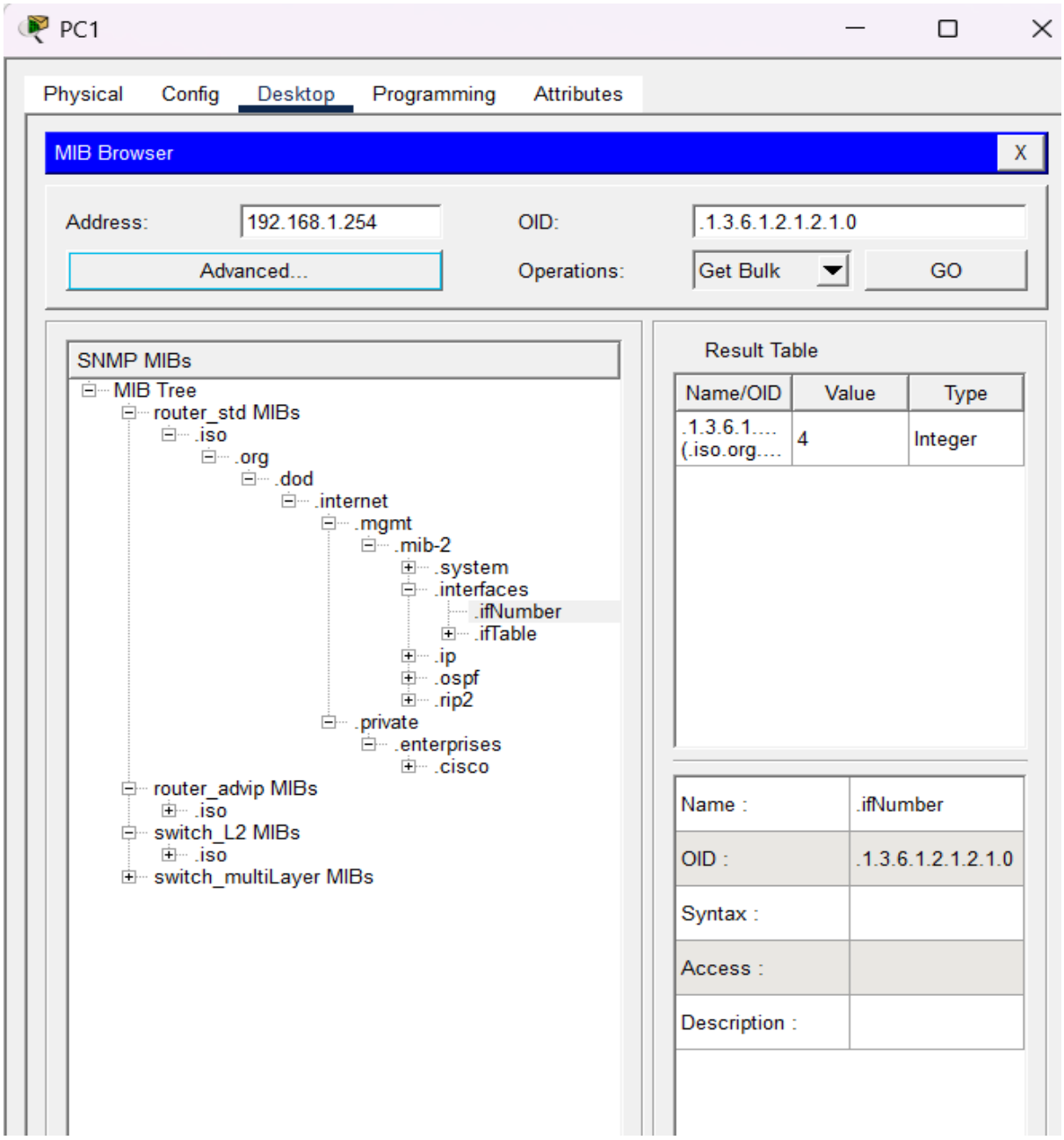
read-only: Cisco1

read/write: Cisco2

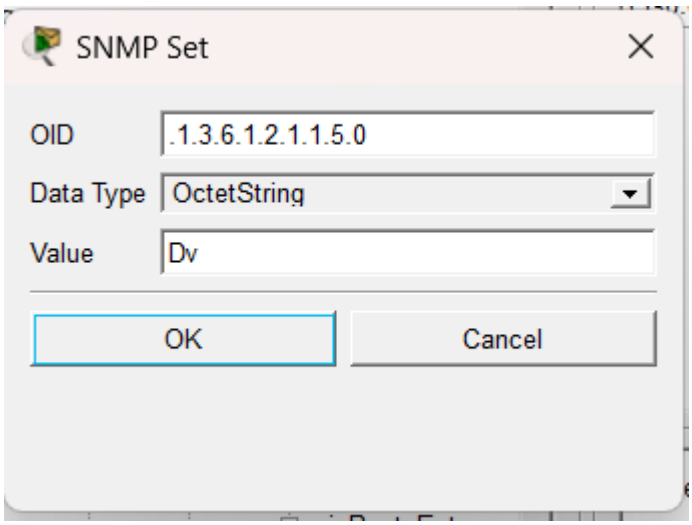
```
R1>en
R1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#snmp-server community ?
  WORD  SNMP community string
R1(config)#snmp-server community cisco1 ?
  ro  Read-only access with this community string
  rw  Read-write access with this community string
  <cr>
R1(config)#snmp-server 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)#
```

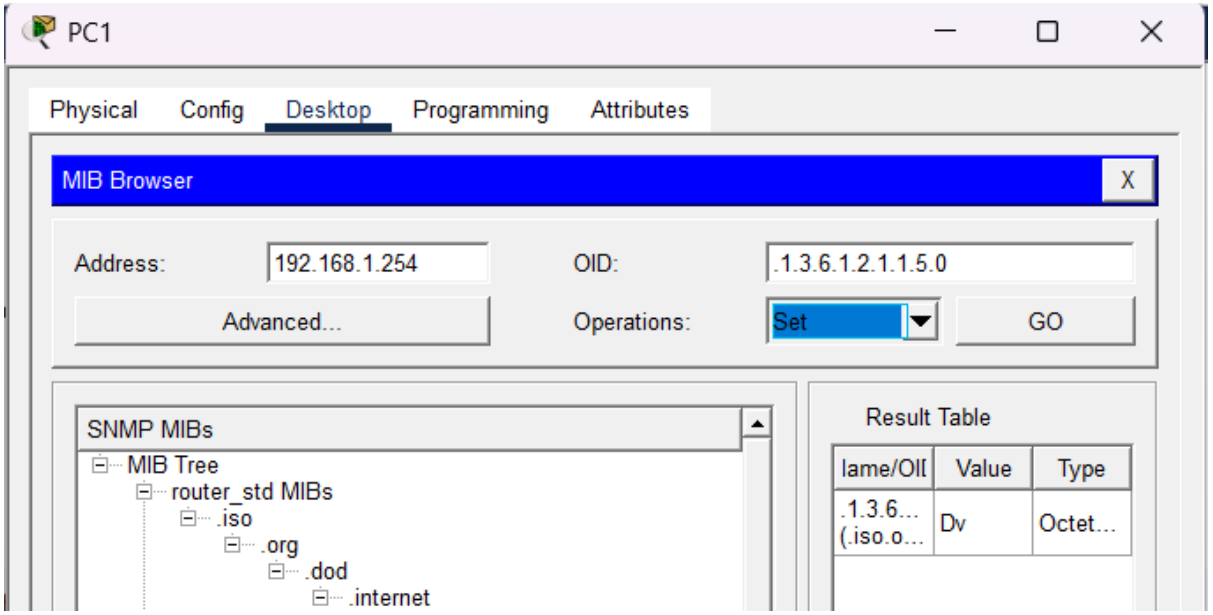
Now, we can access information using the community string on PC1:





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




PC1
Physical
Config
Desktop
Programming
Attributes
MIB Browser
X
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
lame/OI
Value
Type
.1.3.6...
(.iso.o...
Dv
Octet...