SNMP Practical

* Create a simple Network using GNS3 and test the connections among its contents.
	+ Add routers from: https://www.sysnettechsolutions.com/en/cisco-ios-download-for-gns3/
	+ Create a simple network with two routers one switch and one VPC
	+ Links between the nodes
	+ Set IP address for routers and the pc
		- Router:
			* Conf t
			* Int e0/0
			* Ip add 145.90.10.1 255.255.255.0
			* No shut
			* End
		- Pc
			* Sh ip
			* ip 145.90.10.10/24 145.90.10.1
		- Switch
			* No configuration for the Switch
	+ Ping between nodes
		- Ping ip\_address
* Add your PC into the Network in the GNS3 or Add a virtual machine
	+ Use the cloud and configure its setting to the existed PC settings

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Configure routers on the network as SNMP Agents, using the following standard commands:

snmp-server community ciscolab ro SNMP\_ACL
snmp-server location Company\_HQ
snmp-server contact admin@company.com
snmp-server host 192.168.1.3 version 2c ciscolab
snmp-server enable traps
ip access-list standard SNMP\_ACL
 permit 192.168.1.3

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Install the PowerSNMP free Manager by Dart Communication, on your PC or virtual machine: <http://www.dart.com/snmp-free-manager.aspx>.
* Configure your PC as SNMP Manager
* Let the SNMP manager discover the SNMP Agents.
* Convert OID Codes with the Cisco SNMP Object Navigator