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===== RESTART: C:/Users/Nergal/Desktop/lan29.py =====
<?xml version="1.0" ?>
<rpc-reply xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="urn:uuid:e3053148-fb0d-4749-8179-f0cfc4ba78d8">
  <data>
    <interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
      <interface>
        <name>GigabitEthernet1</name>
        <type xmlns:ianaif="urn:ietf:params:xml:ns:yang:iana-if-type">ianaif:ethernet</type>
        <admin-status>up</admin-status>
        <oper-status>up</oper-status>
        <last-change>2022-12-06T01:07:19.000963+00:00</last-change>
        <if-index>1</if-index>
        <phys-address>00:50:56:b8:b0</phys-address>
        <speed>1024000000</speed>
        <statistics>
          <discontinuity-time>2022-12-06T01:05:56.000581+00:00</discontinuity-time>
          <in-octets>646640</in-octets>
          <in-unicast-pkts>8236</in-unicast-pkts>
          <in-broadcast-pkts>0</in-broadcast-pkts>
          <in-multicast-pkts>0</in-multicast-pkts>
          <in-discards>0</in-discards>
          <in-errors>0</in-errors>
          <in-unknown-protos>0</in-unknown-protos>
          <out-octets>2016161</out-octets>
          <out-unicast-pkts>8850</out-unicast-pkts>
          <out-broadcast-pkts>0</out-broadcast-pkts>
          <out-multicast-pkts>0</out-multicast-pkts>
        </statistics>
      </interface>
    </interfaces-state>
  </data>
</rpc-reply>

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lan29.py - C:/Users/Nergal/Desktop/lan29.py (3.10.7)
File Edit Format Run Options Window Help
from ncclient import manager
import xml.dom.minidom

m = manager.connect(
    host="10.10.20.48",
    port=830,
    username="developer",
    password="Cisc0l2345",
    hostkey_verify=False
)

netconf_filter = """
<filter>
  <interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces"/>
</filter>
"""

netconf_reply = m.get(filter = netconf_filter)
print(xml.dom.minidom.parseString(netconf_reply.xml).toprettyxml())

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===== RESTART: C:/Users/Nergal/Desktop/lan29.py =====
<?xml version="1.0" ?>
<rpc-reply xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="urn:uuid:20069cc0-b8f3-48d0-976f-9ec4fa0bc14a">
  <data>
    <interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
      <interface>
        <name>GigabitEthernet1</name>
        <type xmlns:ianaif="urn:ietf:params:xml:ns:yang:iana-if-type">ianaif:ethernet</type>
        <admin-status>up</admin-status>
        <oper-status>up</oper-status>
        <last-change>2022-12-06T01:07:20.00034+00:00</last-change>
        <if-index>1</if-index>
        <phys-address>00:50:56:b8:b0</phys-address>
        <speed>1024000000</speed>
        <statistics>
          <discontinuity-time>2022-12-06T01:05:56.000959+00:00</discontinuity-time>
          <in-octets>659200</in-octets>
          <in-unicast-pkts>8333</in-unicast-pkts>
          <in-broadcast-pkts>0</in-broadcast-pkts>
          <in-multicast-pkts>0</in-multicast-pkts>
          <in-discards>0</in-discards>
          <in-errors>0</in-errors>
          <in-unknown-protos>0</in-unknown-protos>
          <out-octets>2164937</out-octets>
          <out-unicast-pkts>8995</out-unicast-pkts>
          <out-broadcast-pkts>0</out-broadcast-pkts>
          <out-multicast-pkts>0</out-multicast-pkts>
          <out-discards>0</out-discards>
          <out-errors>0</out-errors>
        </statistics>
      </interface>
    </interfaces-state>
  </data>
</rpc-reply>

```

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netconf_filter = """
<filter>
  <interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces"/>
</filter>
"""

netconf_reply = m.get(filter = netconf_filter)
print(xml.dom.minidom.parseString(netconf_reply.xml).toprettyxml())

import xmltodict
netconf_reply_dict = xmltodict.parse(netconf_reply.xml)
or interface in netconf_reply_dict["rpc-reply"]["data"]["interfaces-state"]["in-
print("Name: {} MAC: {} Input: {} Output {}".format(
    interface["name"],
    interface["phys-address"],
    interface["statistics"]["in-octets"],
    interface["statistics"]["out-octets"],
))

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