

Configuring an SNMP Manager and Alerts

Fundamentals of Communications and Networking, Third Edition - Lab 07

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Time on Task:

1 hour, 31 minutes

Progress:

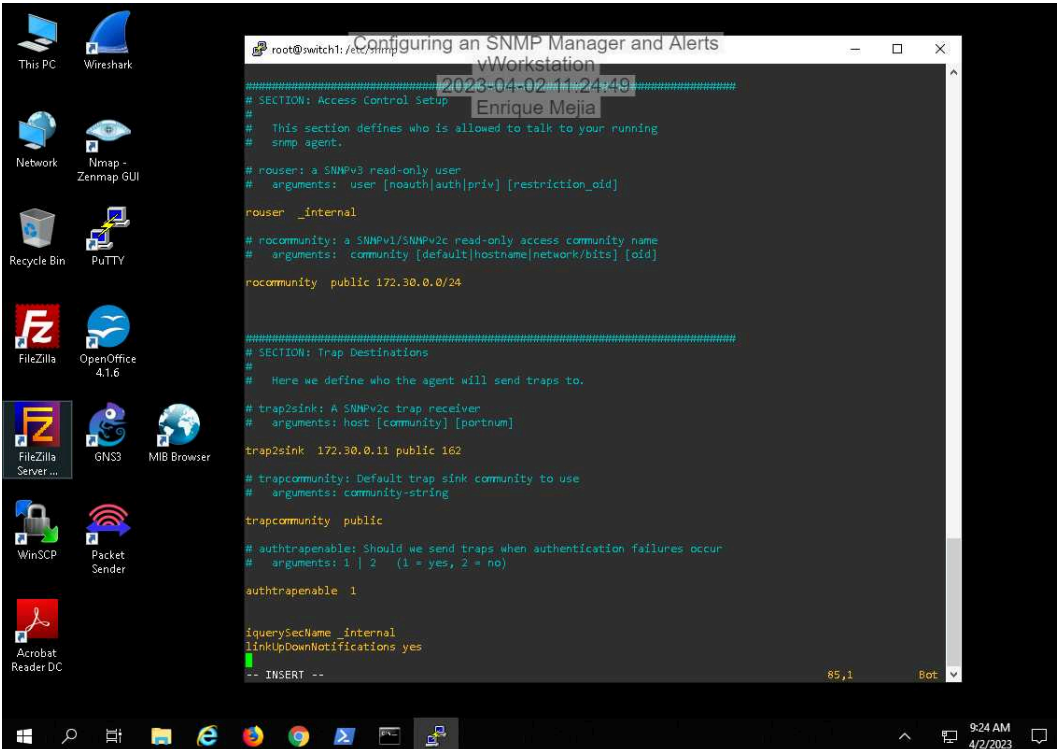
100%

Report Generated: Sunday, April 2, 2023 at 1:44 PM

Section 1: Hands-On Demonstration

Part 1: Configure an SNMP Agent on a Network Device

44. Make a screen capture showing your manual additions to the `snmpd.conf` file.



```
root@switch1: /etc/snmp# cat snmpd.conf
#####
# SECTION: Access Control Setup
#
# This section defines who is allowed to talk to your running
# snmp agent.
#
# rouser: a SNMPv3 read-only user
# arguments: user [noauth|auth|priv] [restriction_oid]
#
rouser _internal

# rocommunity: a SNMPv1/SNMPv2c read-only access community name
# arguments: community [default|hostname|network/bits] [oid]
#
rocommunity public 172.30.0.0/24

#####
# SECTION: Trap Destinations
#
# Here we define who the agent will send traps to.
#
# trap2sink: A SNMPv2c trap receiver
# arguments: host [community] [portnum]
#
trap2sink 172.30.0.11 public 162

# trapcommunity: Default trap sink community to use
# arguments: community-string
#
trapcommunity public

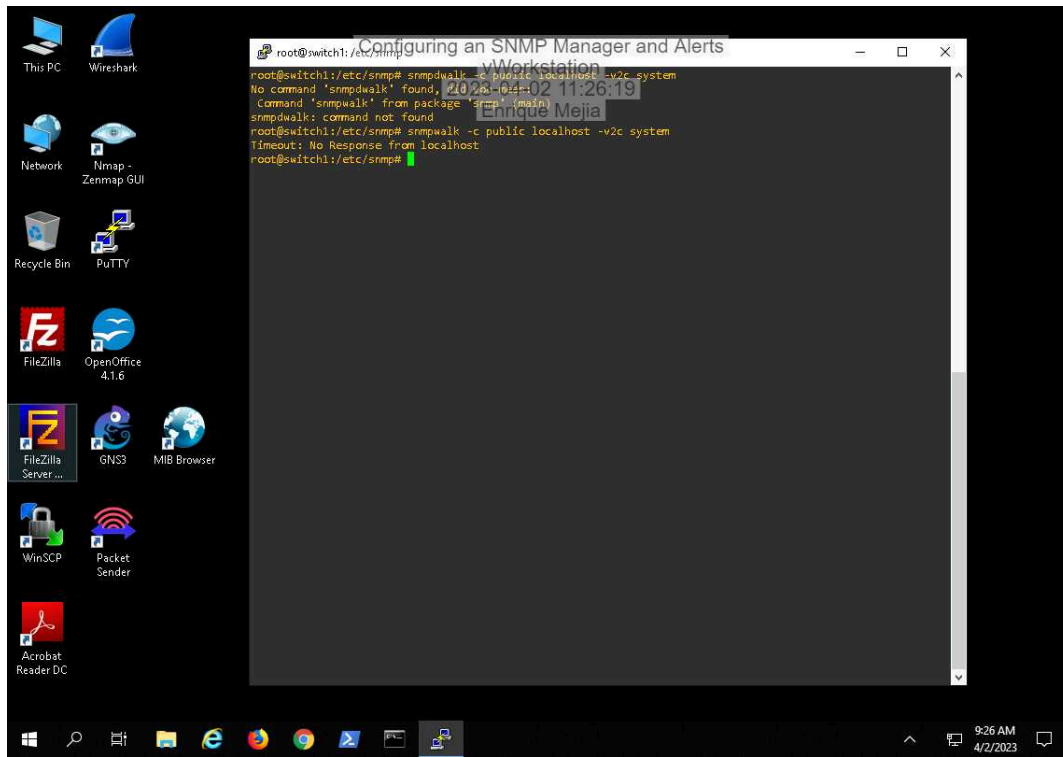
# authtrapsenable: Should we send traps when authentication failures occur
# arguments: 1 | 2 (1 = yes, 2 = no)
#
authtrapsenable 1

# queryMib: Should we send traps when MIBs are updated
# arguments: 1 | 2 (1 = yes, 2 = no)
#
queryMib 1

# linkUpDownNotifications: Should we send traps when interfaces
# go up or down
# arguments: 1 | 2 (1 = yes, 2 = no)
#
linkUpDownNotifications yes

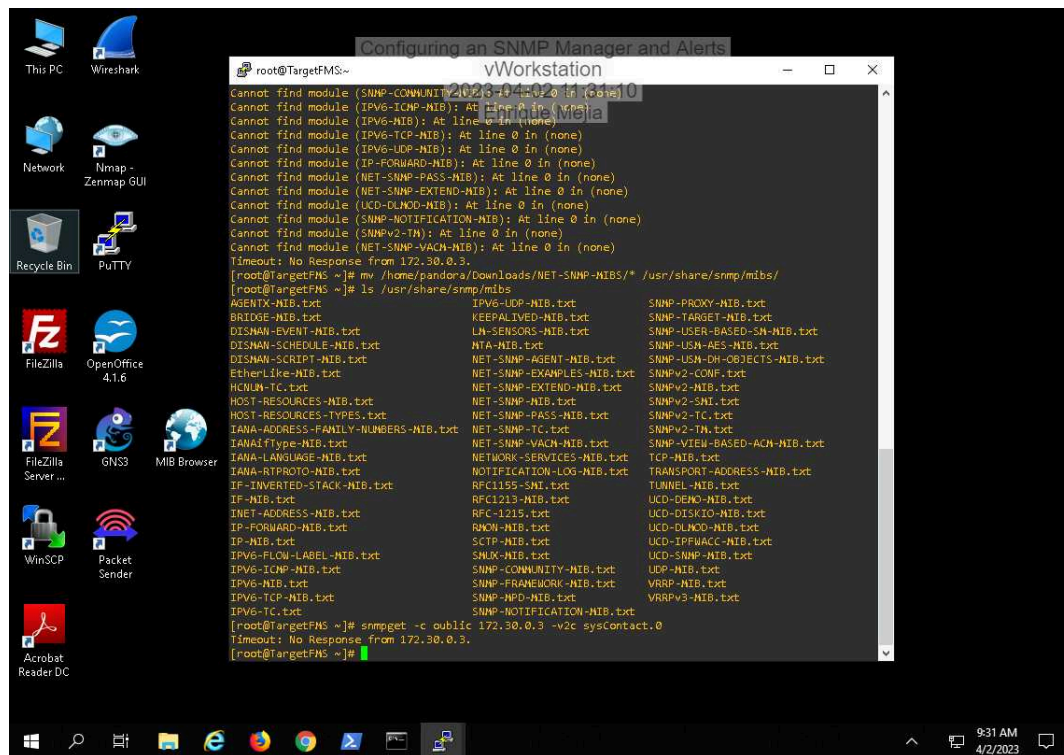
-- INSERT --
```

49. **Make a screen capture** showing the **sysLocation** and **sysContact** information obtained from your **snmpwalk** command.

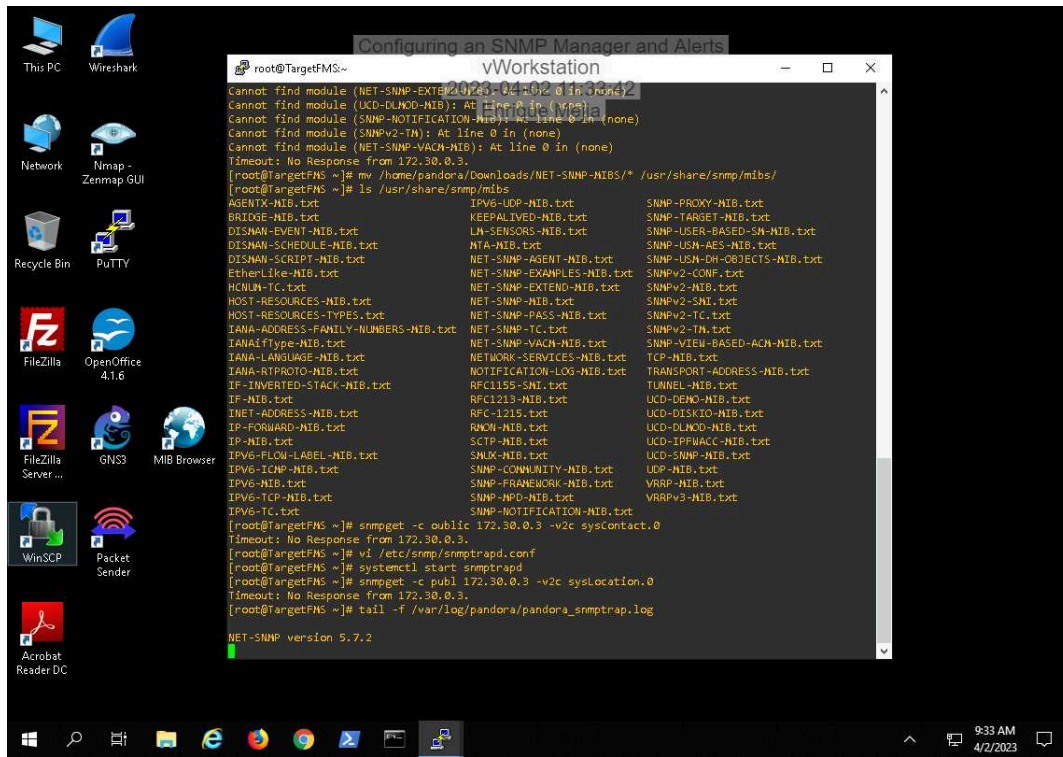


Part 2: Configure an SNMP Manager on a Network Monitoring System

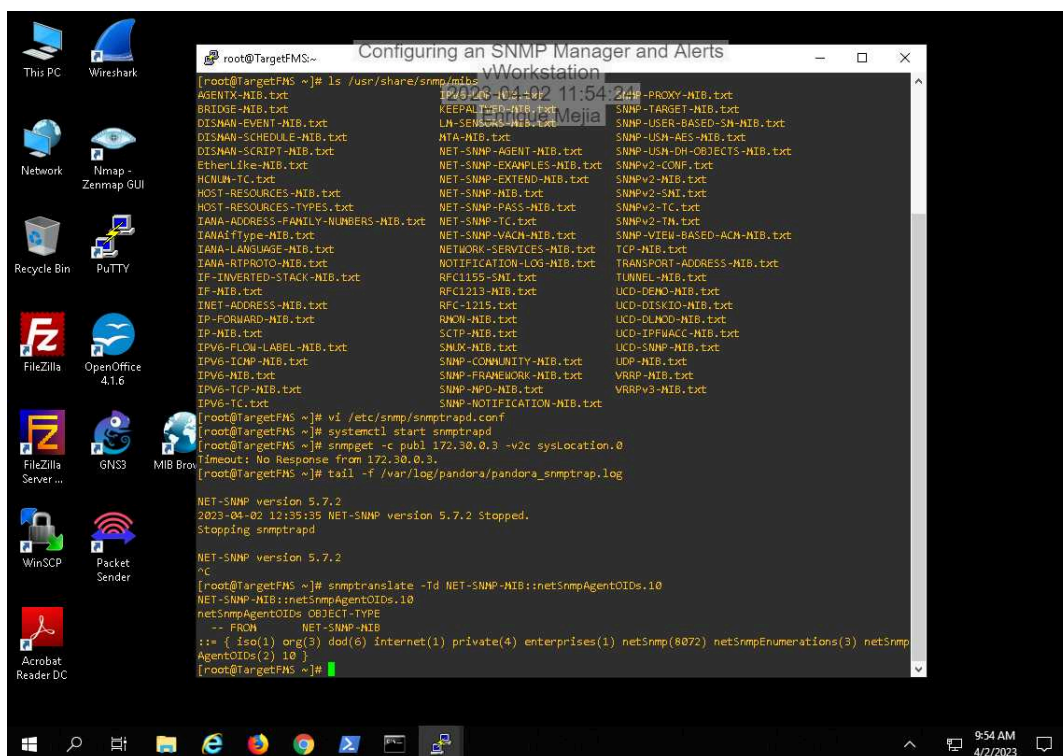
10. Make a screen capture showing the output of your snmpget request.



17. Make a screen capture showing the authentication failure traps in `pandora_snmptrap.log`.



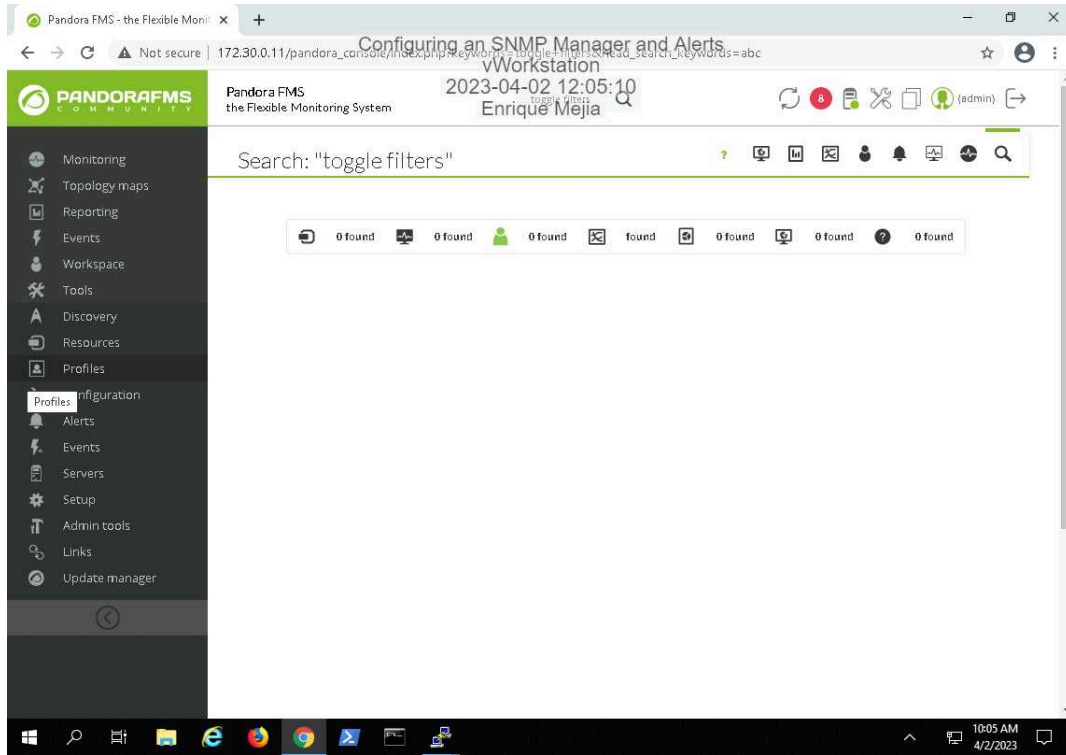
20. Make a screen capture showing the output of your `snmptranslate` command.



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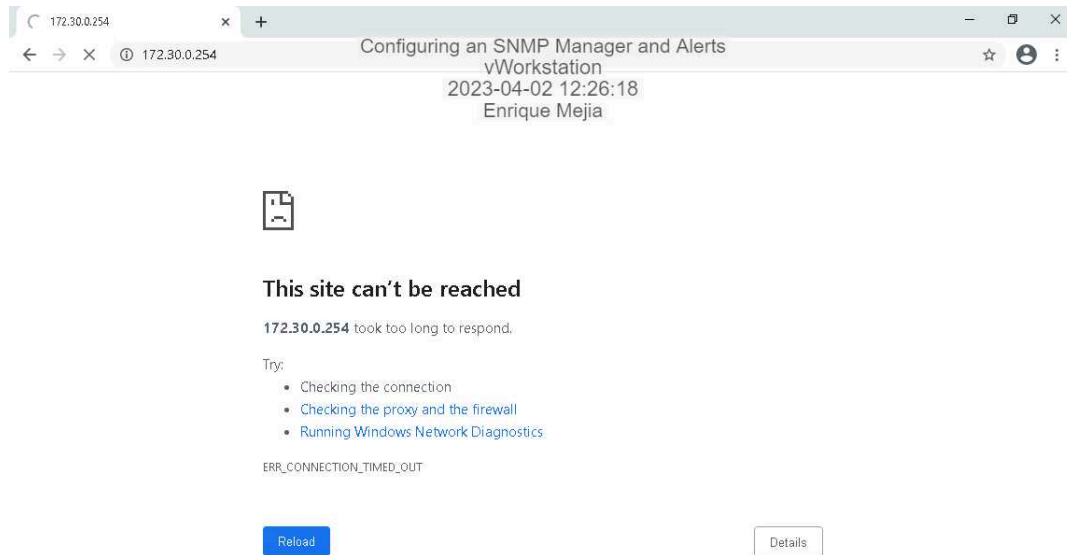
45. **Make a screen capture** showing the **full details of the linkDown trap captured in Pandora SNMP console.**



Section 2: Applied Learning

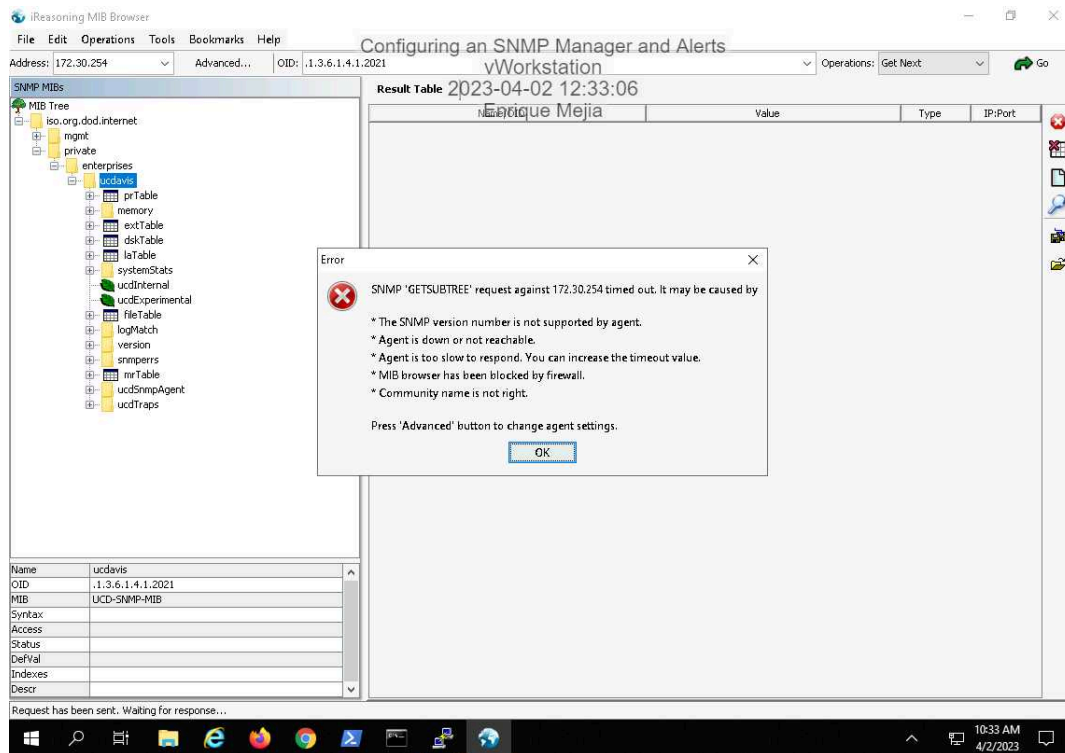
Part 1: Configure an SNMP Agent on a Network Device

20. **Make a screen capture showing the full details of the SNMPv2-MIB::coldStart trap generated by the pfSense-router.**



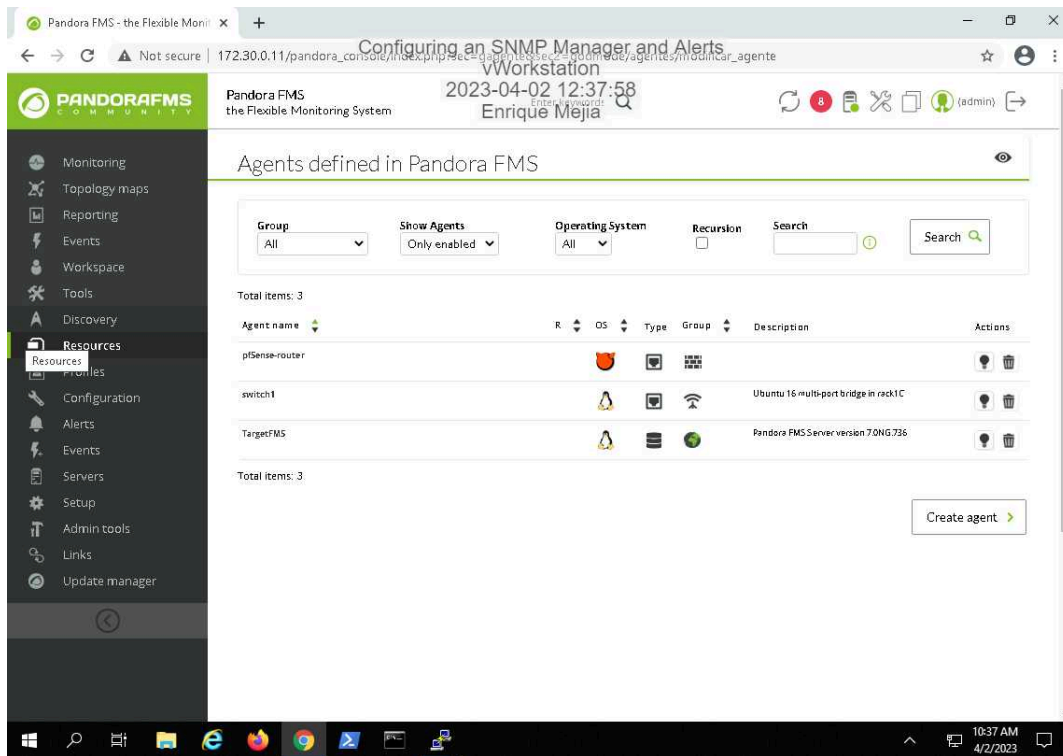
Professor [redacted] did doing it manually, restarting and refreshing chrome as well. I was not having any connection problems eit

30. Make a screen capture showing the disk error messages in the Result Table.

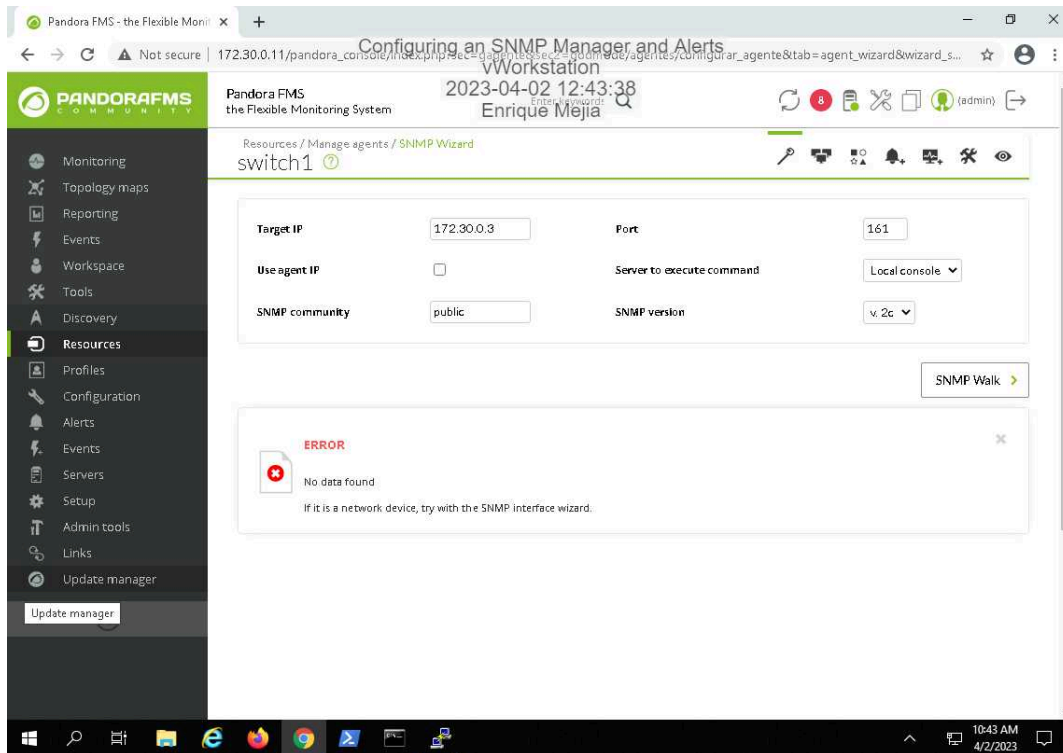


Part 2: Configure SNMP Polling on a Network Monitoring System

7. Make a screen capture showing the newly defined switch1 agent in the Manage agents view.



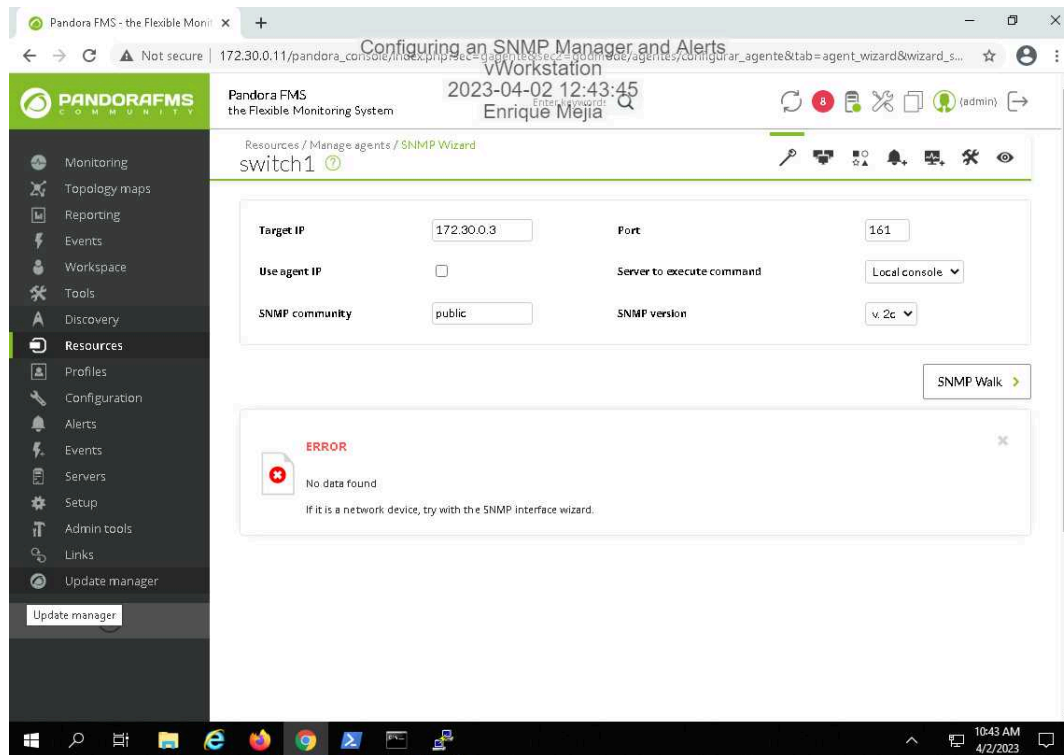
27. Make a screen capture showing the critical event generated in the Pandora Tactical view.



Section 3: Challenge and Analysis

Part 1: Configure the SNMP Service on a Windows Server

Make a screen capture showing the **Security** configuration in the **SNMP Service Properties**.

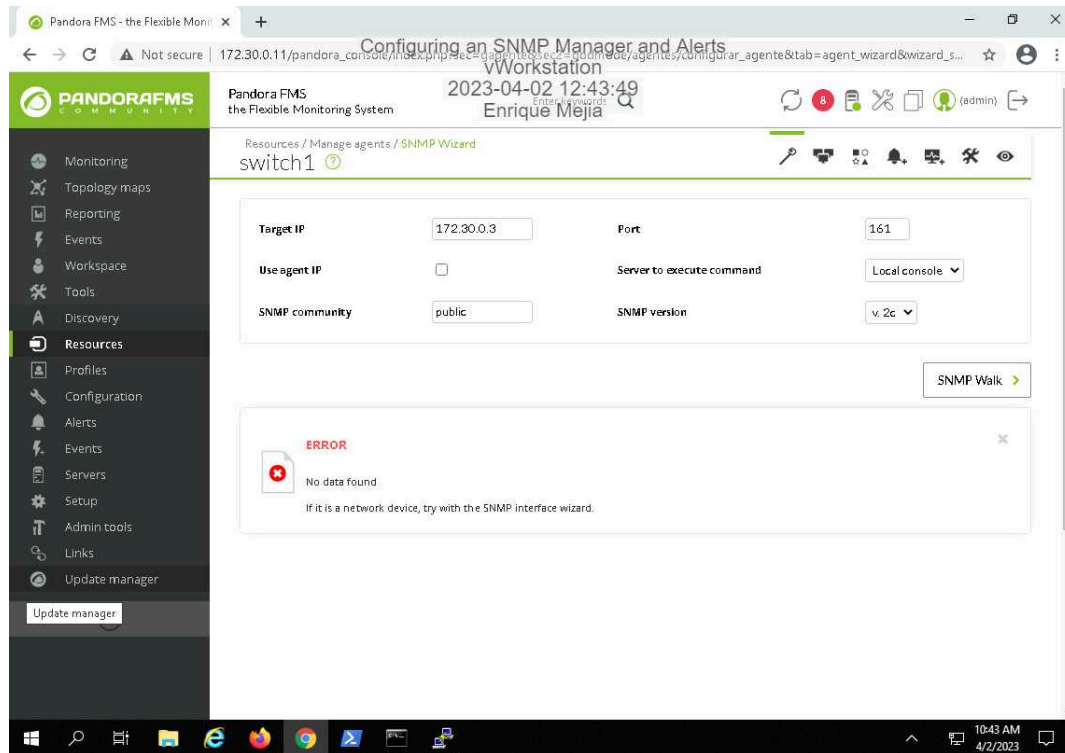


Part 2: Validate an SNMP Agent Configuration via GET Requests

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Make a screen capture showing the output of your SNMP GET request.



Part 3: Add a Windows Agent in Pandora and Configure SNMP Polling

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Make a screen capture showing the **CRITICAL** freeFTPService event in Pandora's Tactical view.

