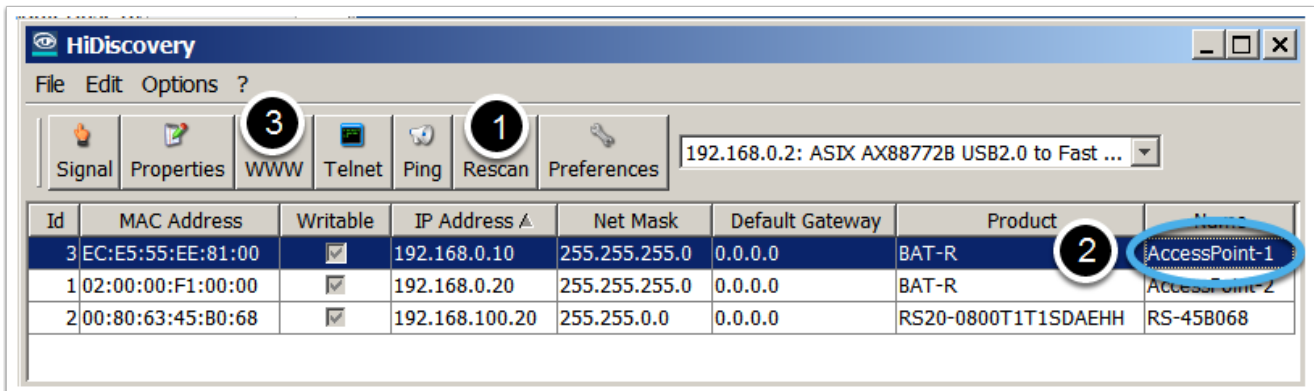


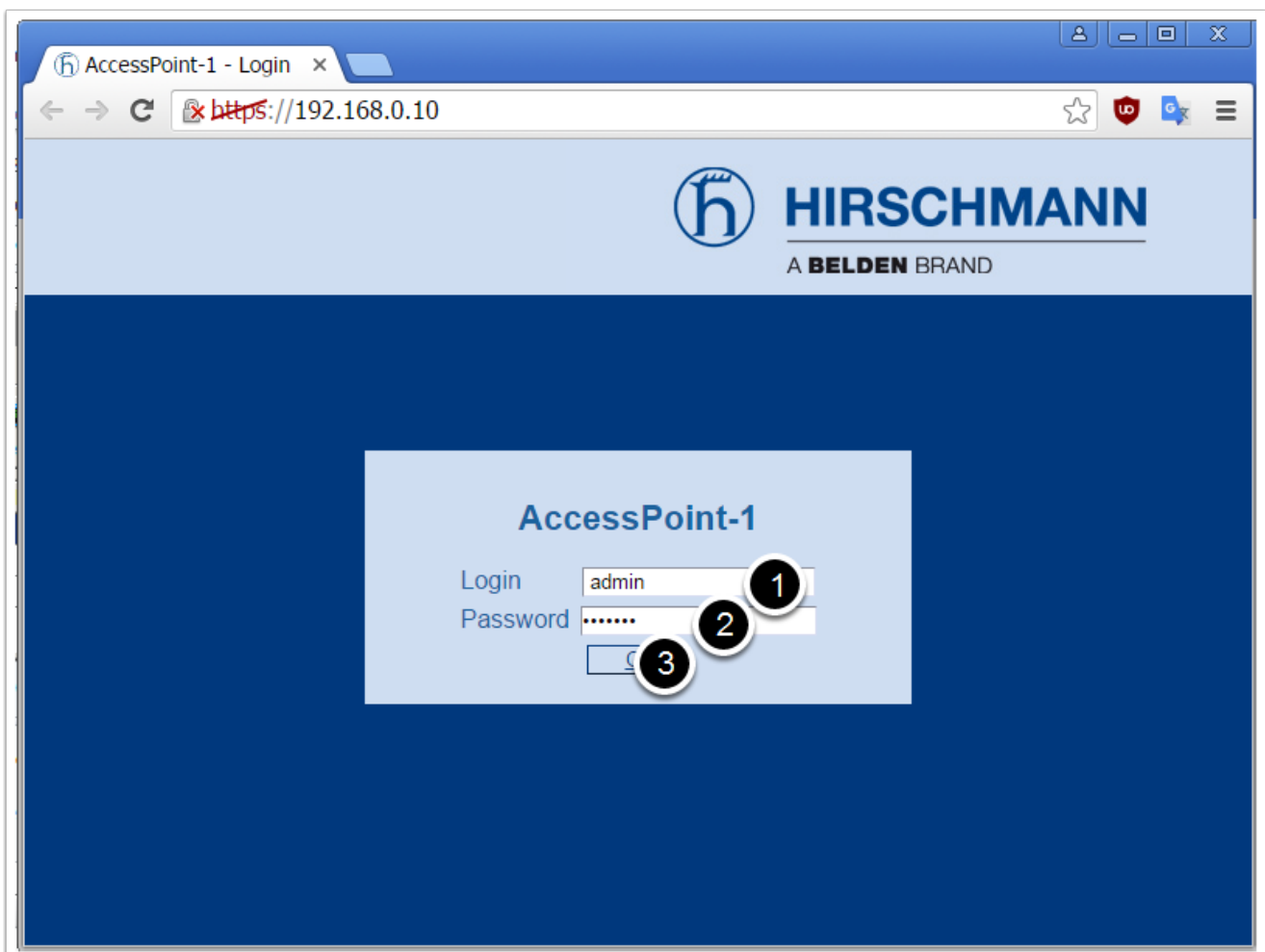
Configure over Web

Feel free to use the Hirschmann Software Tool - HiDiscovery to quickly scan for Hirschmann devices:

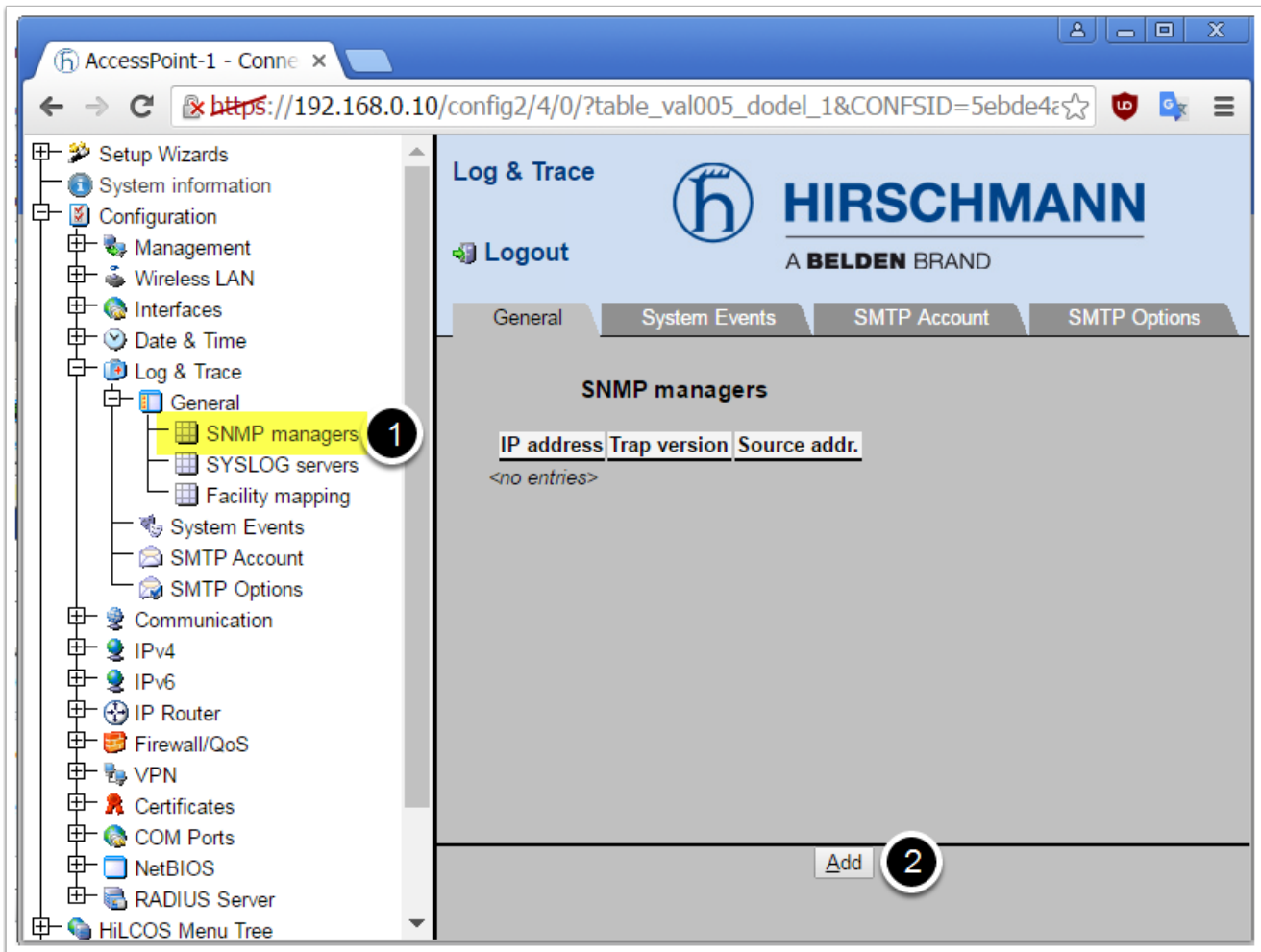
http://hirschmann.com/en/Hirschmann_Produkte/Industrial_Ethernet/Software/Software_Tools/index.phtml



Log in as admin

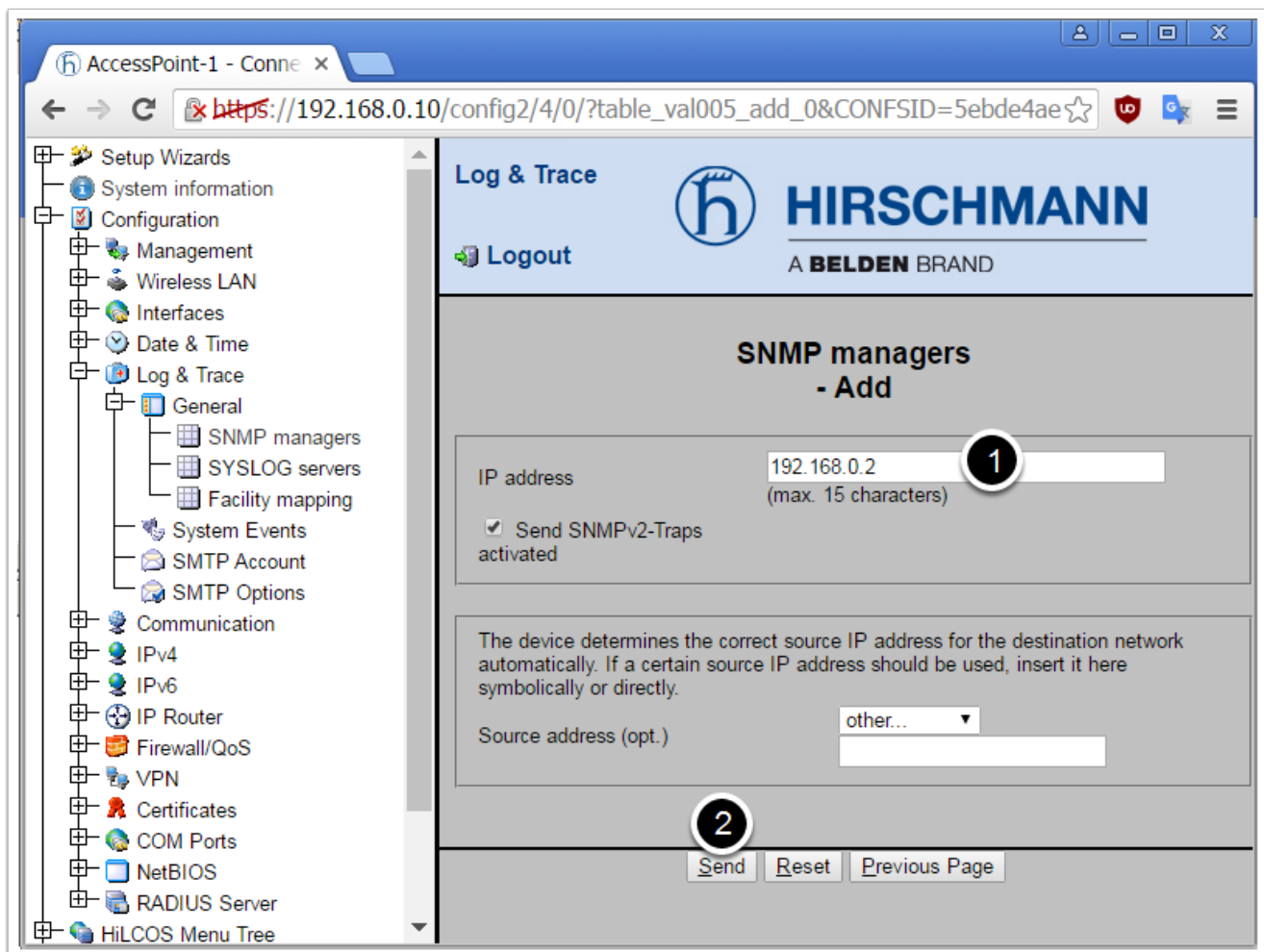


Add the SNMP Trap Receiver

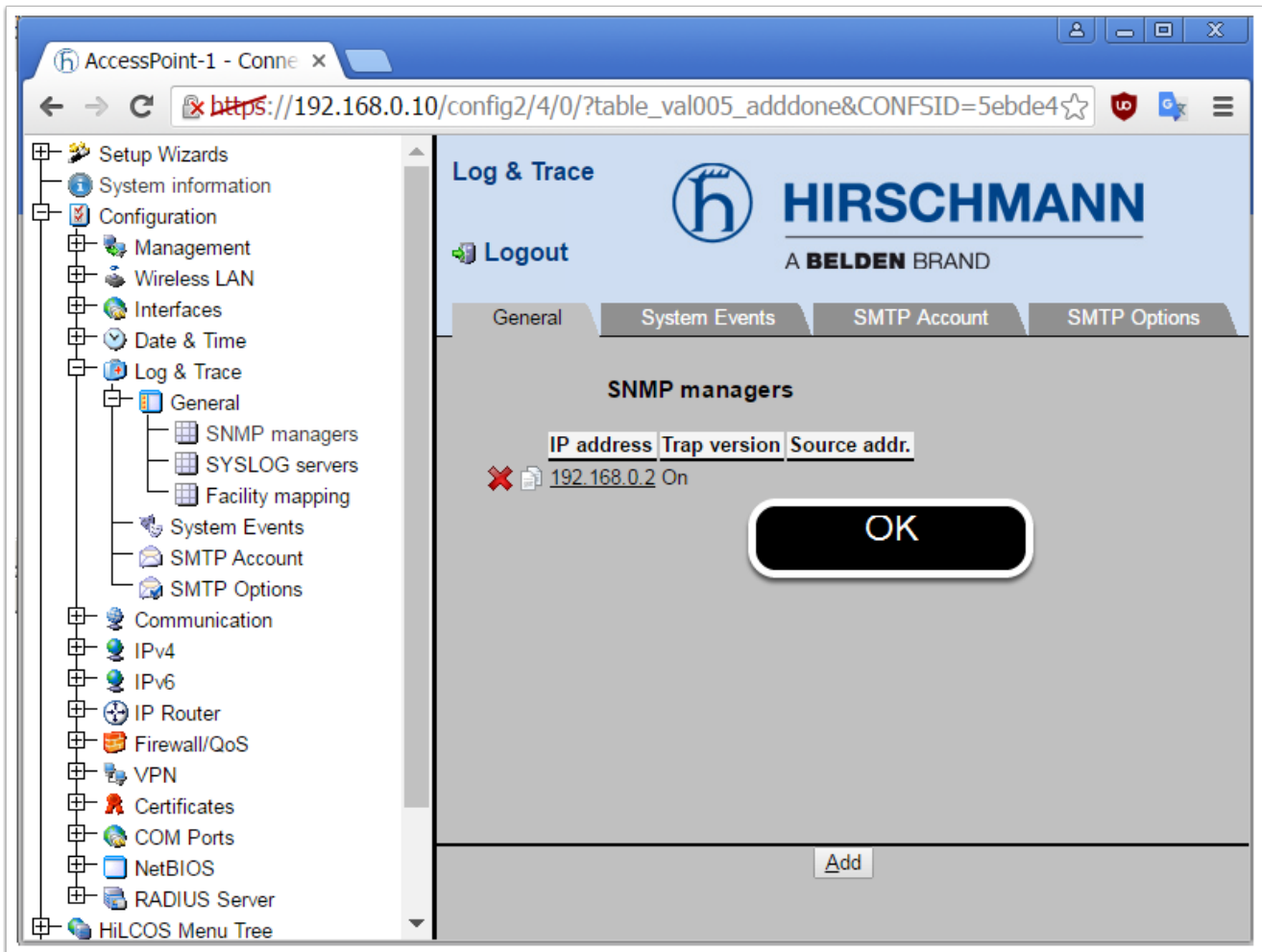


Configure the SNMP Trap Receiver

1. Configure the IP Address of your SNMP Trap Receiver (e.g. your PC)
2. Save/Send



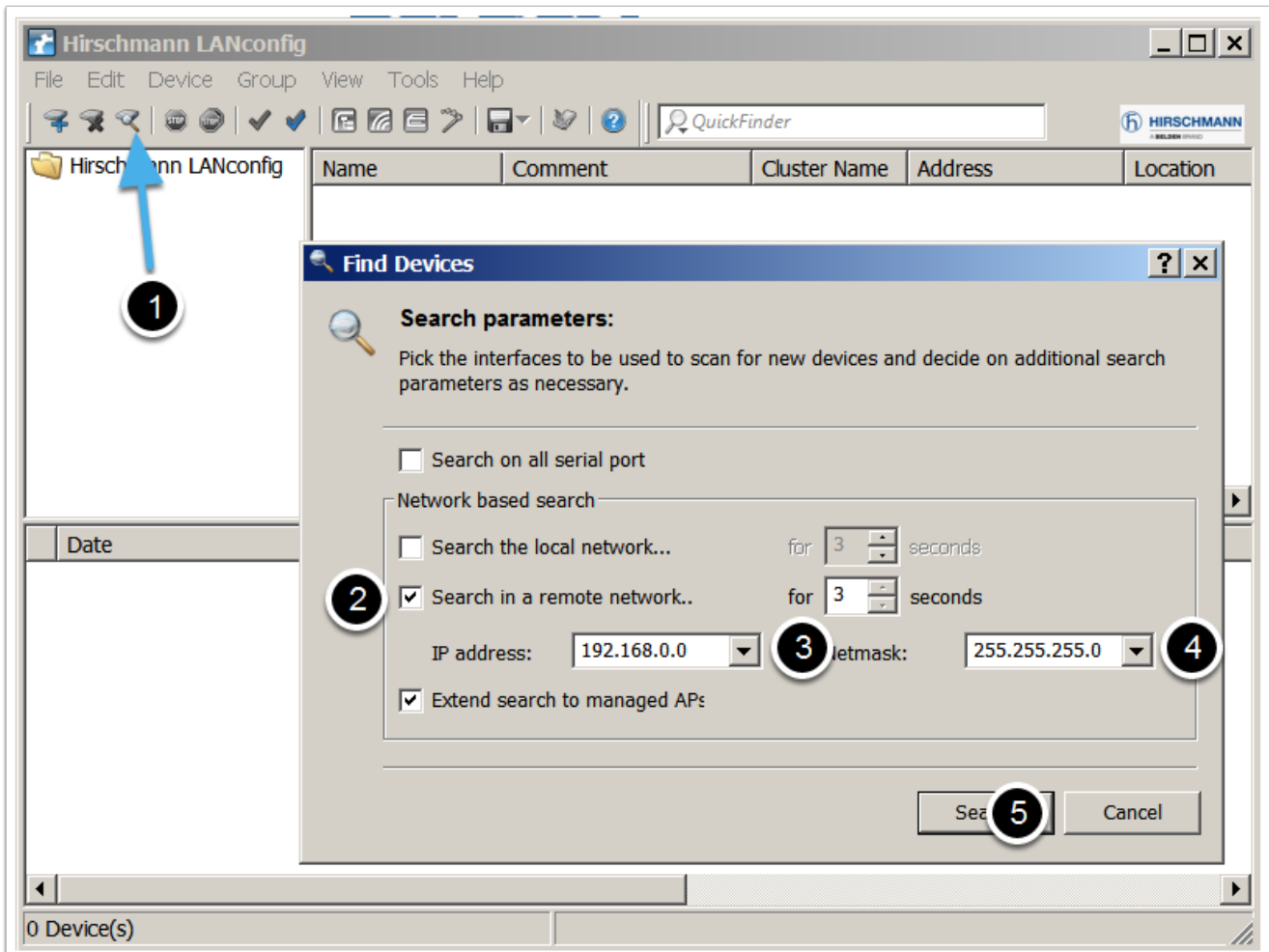
Success



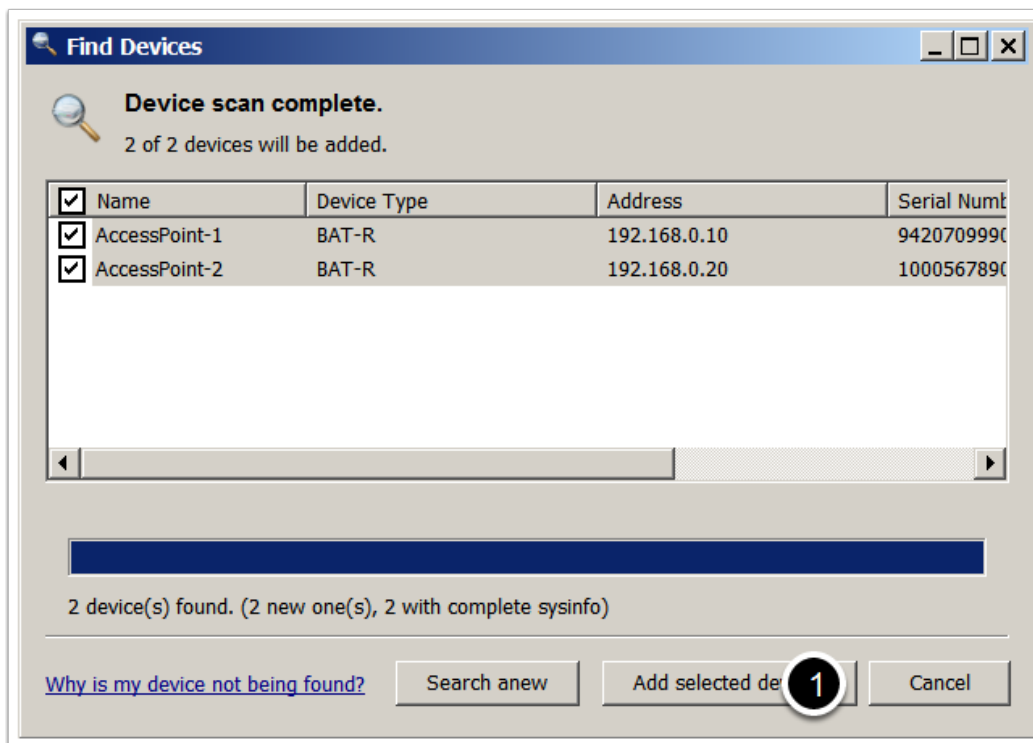
Configure over LANConfig

Search for your devices in LANConfig.

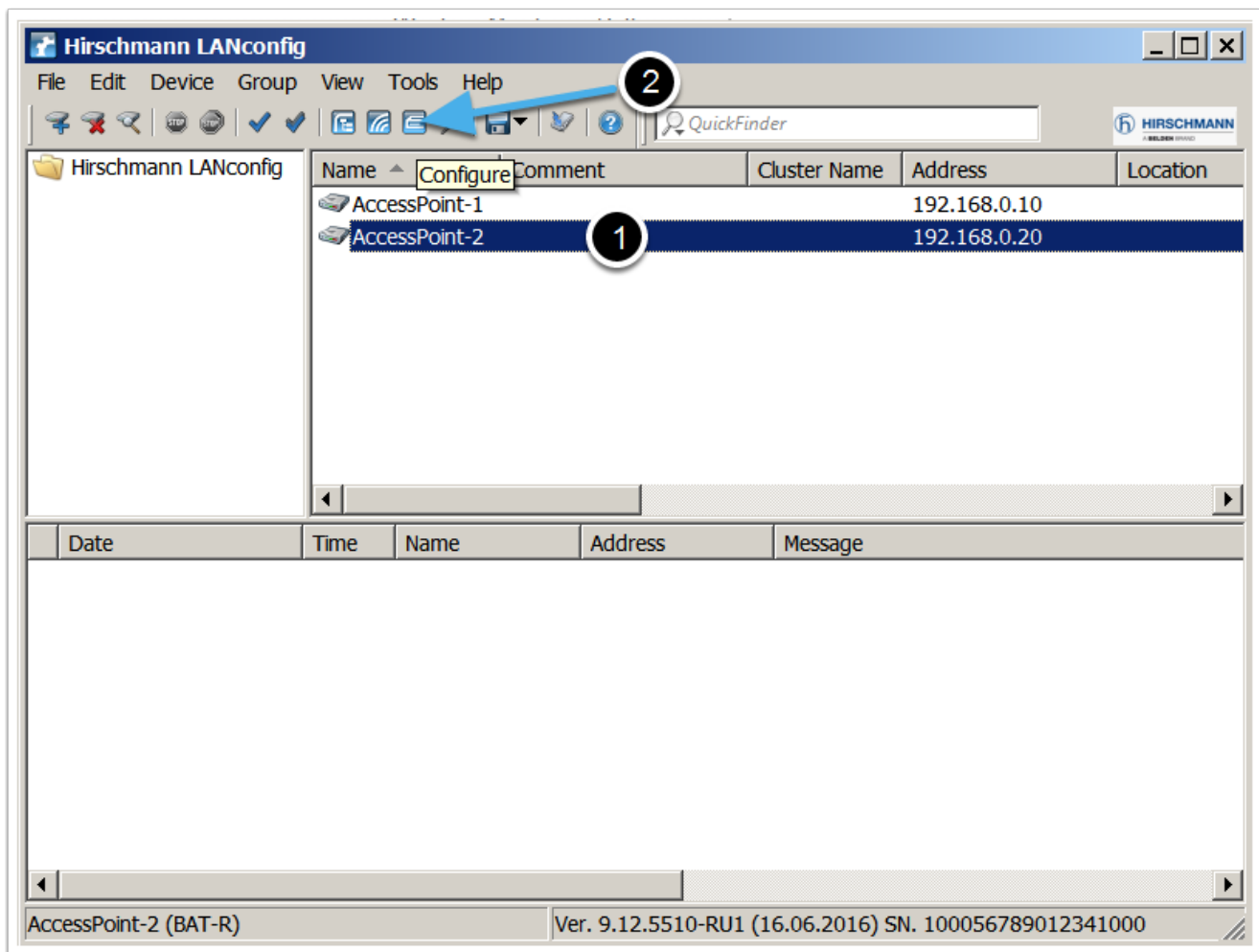
http://hirschmann.com/en/Hirschmann_Produkte/Industrial_Ethernet/Software/Software_Tools/index.phtml



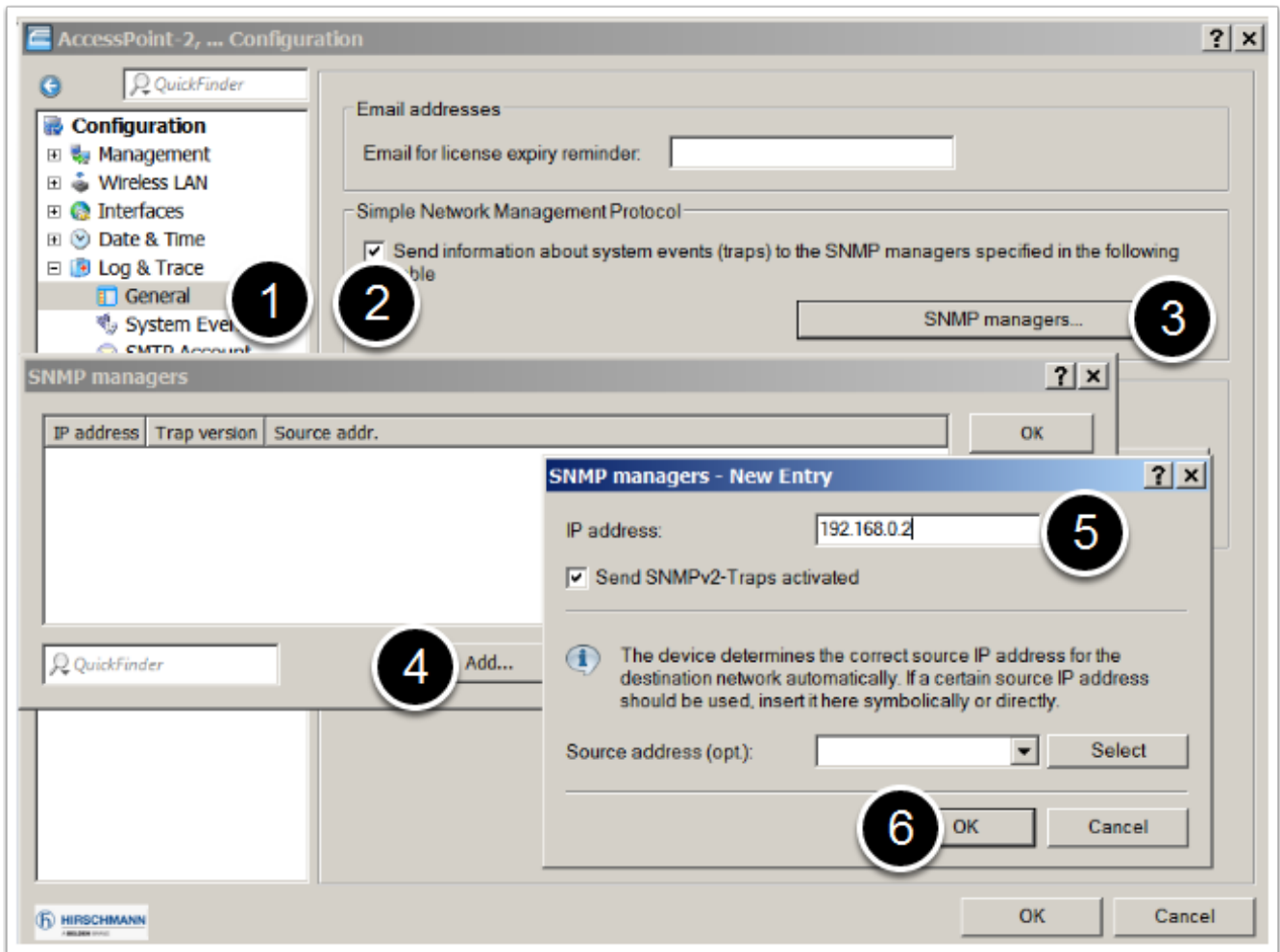
Add your AccessPoints



Open the configuration



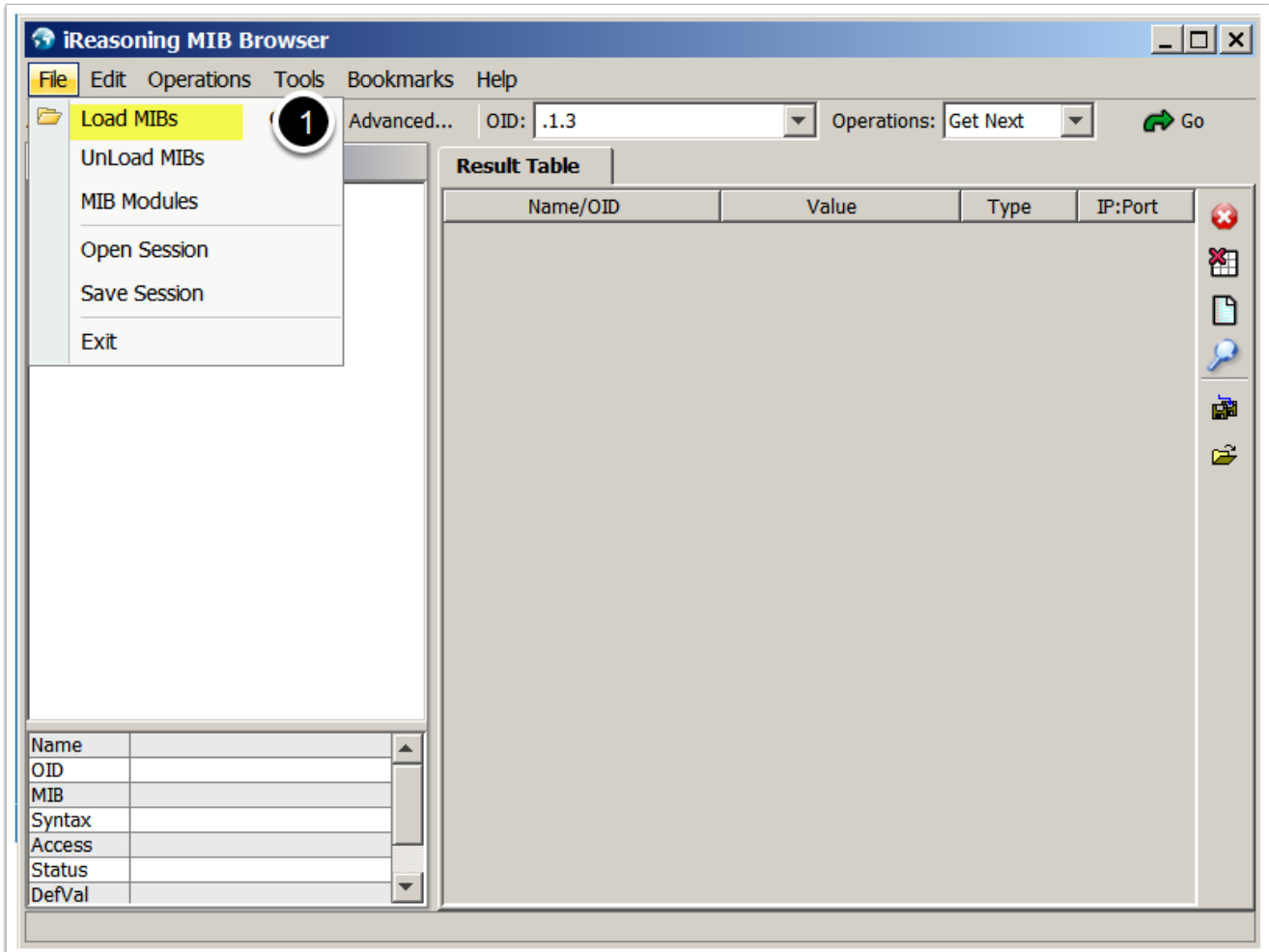
Configure the SNMP Trap Receiver



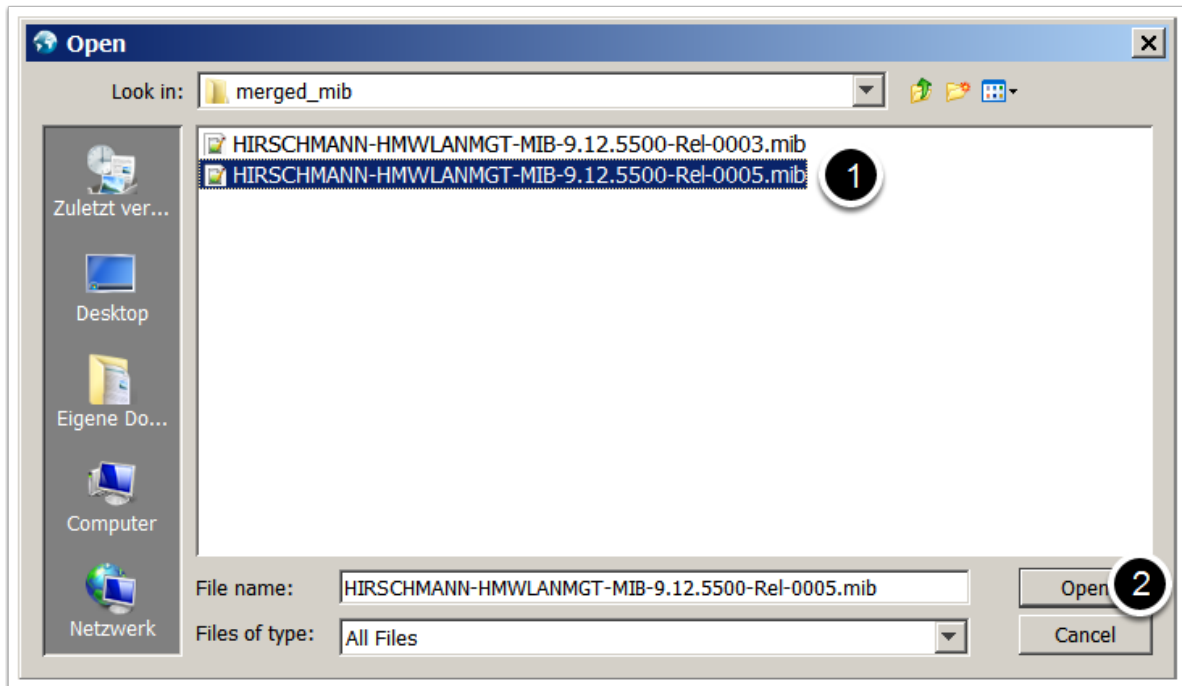
Receive with MIB Browser

Download and install the free MIB Browser from iReasoning:

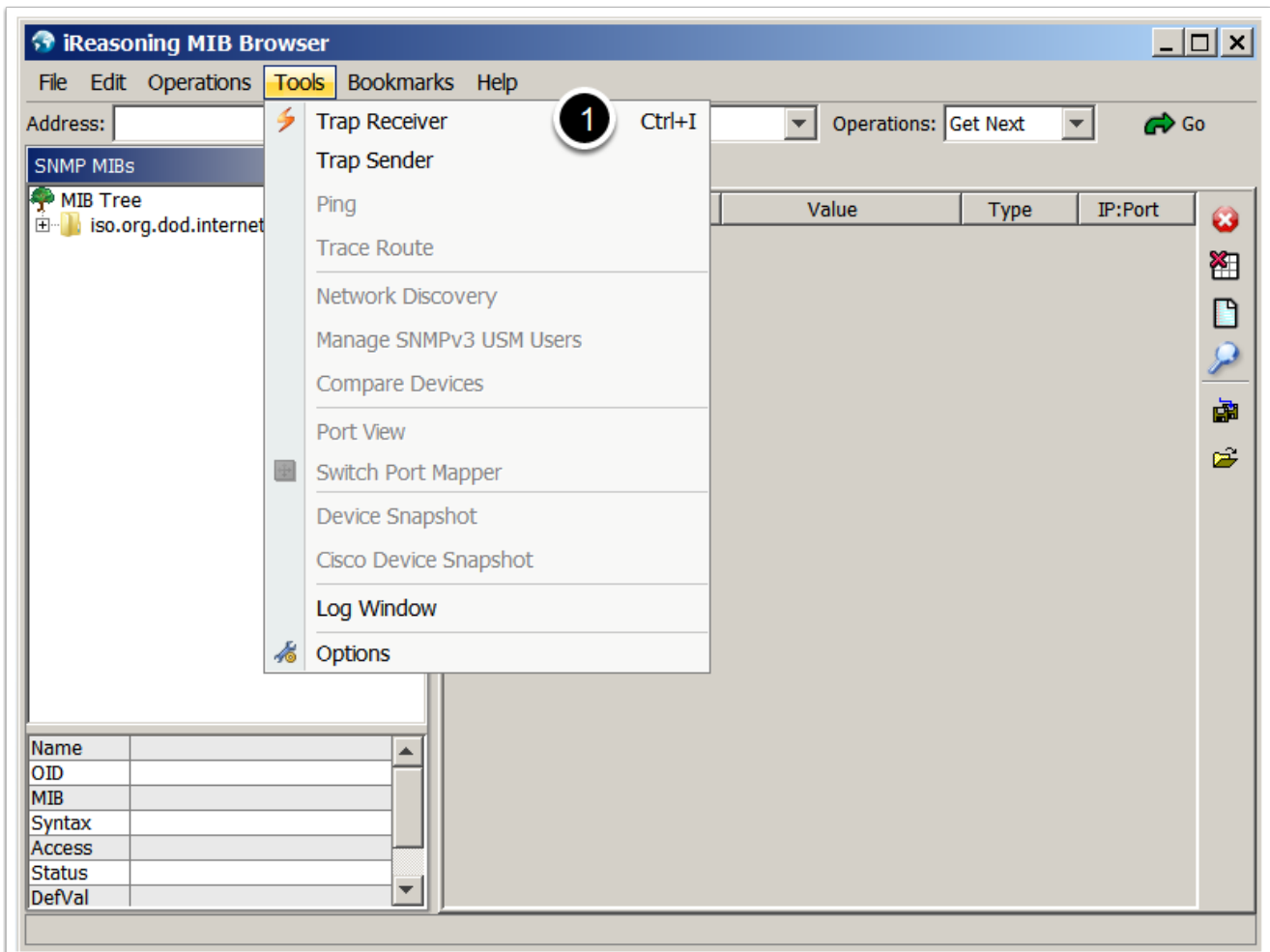
<http://www.iReasoning.com/downloadmibbrowserfree.php>



Import the latest MIB for HiLCOS

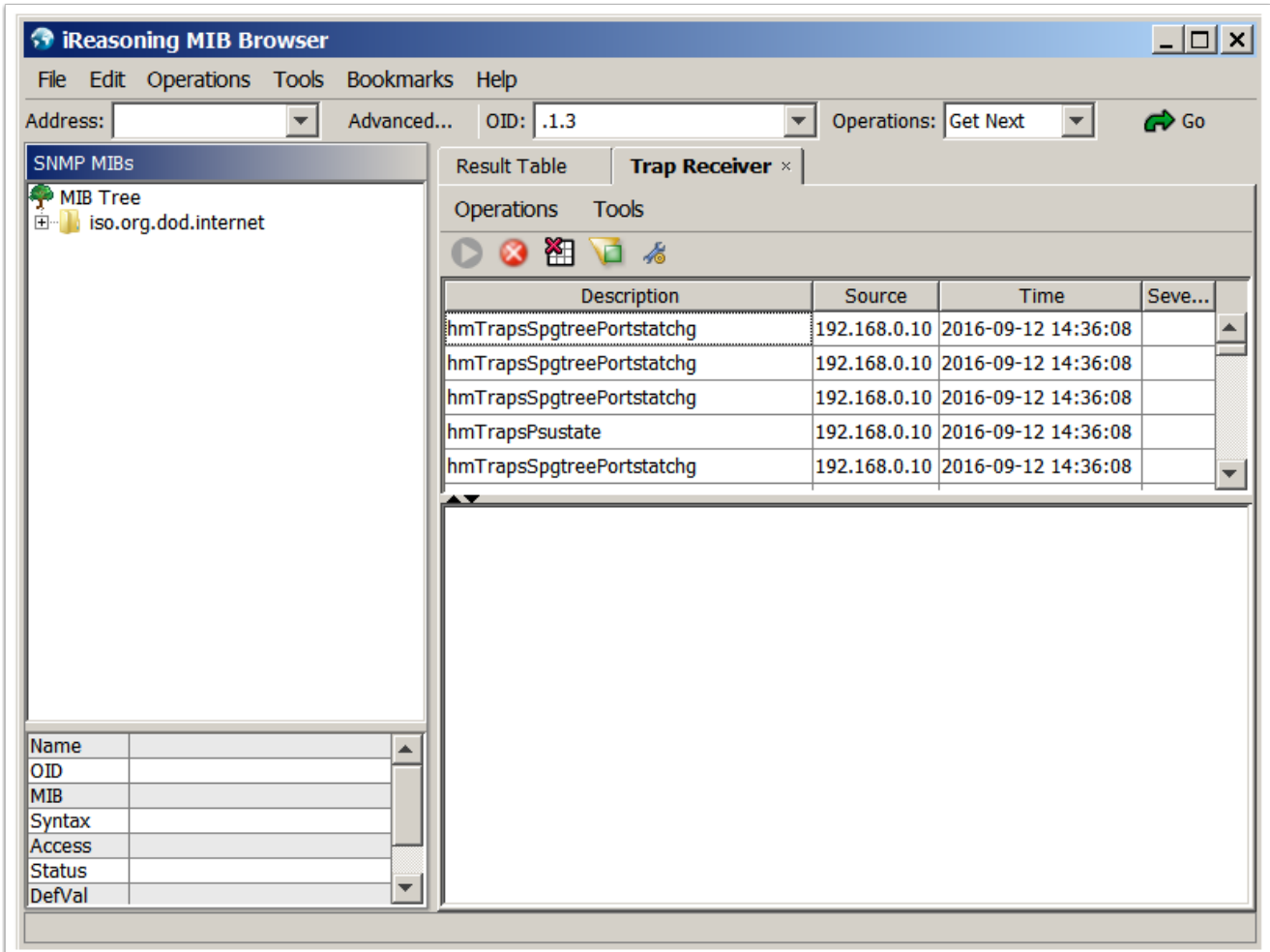


Start the Trap Receiver



Success

The traps for different events should be coming in now.

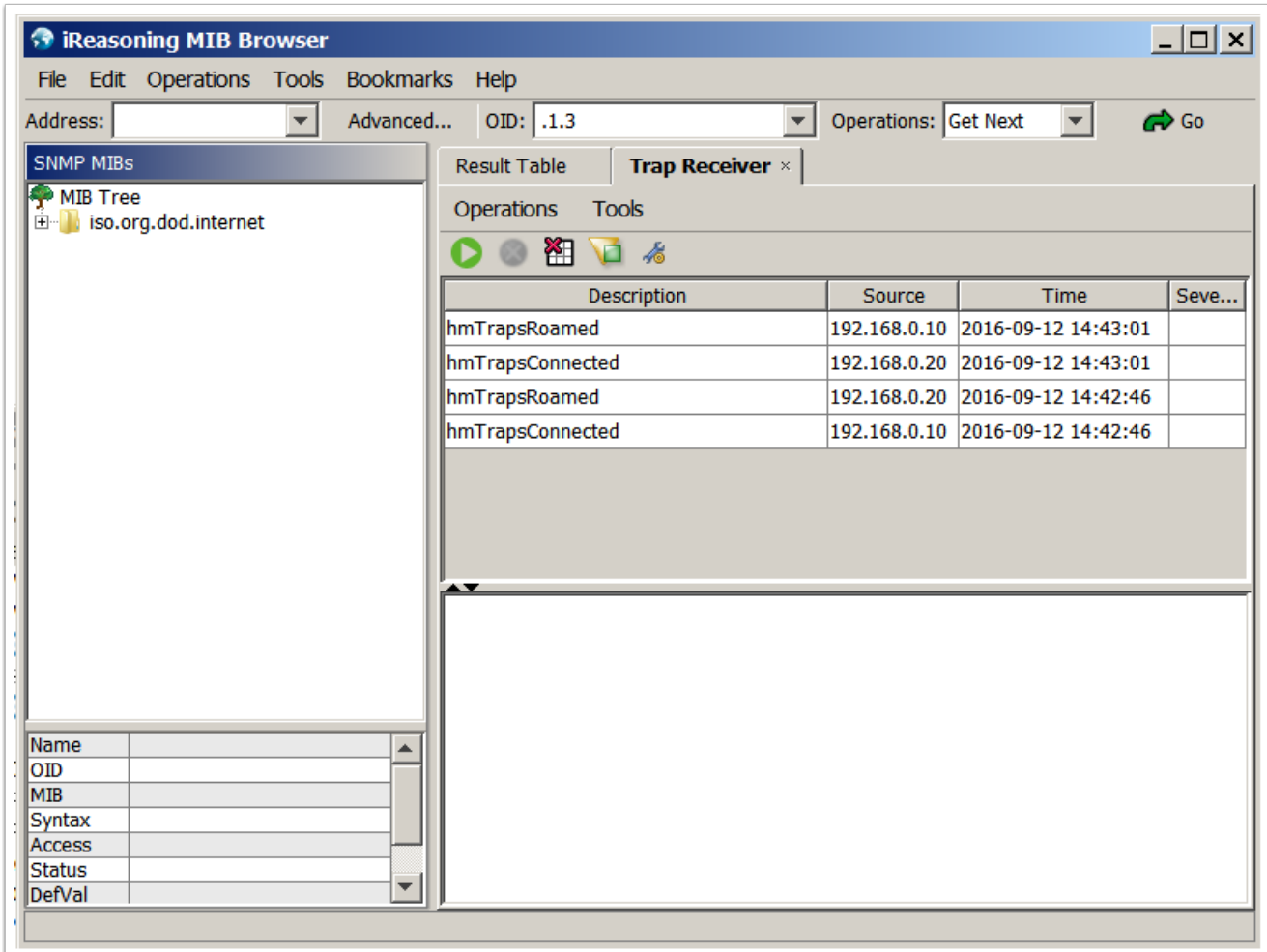


The screenshot shows the iReasoning MIB Browser interface. The main window displays a table of received traps under the 'Trap Receiver' tab. The table has columns for Description, Source, Time, and Severity. The traps listed are:

Description	Source	Time	Seve...
hmTrapsSpgtreePortstatchg	192.168.0.10	2016-09-12 14:36:08	
hmTrapsSpgtreePortstatchg	192.168.0.10	2016-09-12 14:36:08	
hmTrapsSpgtreePortstatchg	192.168.0.10	2016-09-12 14:36:08	
hmTrapsPsustate	192.168.0.10	2016-09-12 14:36:08	
hmTrapsSpgtreePortstatchg	192.168.0.10	2016-09-12 14:36:08	

The interface also shows a MIB Tree on the left with 'iso.org.dod.internet' expanded, and a 'Result Table' tab at the top right. The 'Operations' menu includes 'Get Next'.

Example: Roaming



The screenshot shows the iReasoning MIB Browser interface. The main window displays a MIB Tree on the left and a Trap Receiver window on the right. The Trap Receiver window shows a table of trap events with the following data:

Description	Source	Time	Seve...
hmTrapsRoamed	192.168.0.10	2016-09-12 14:43:01	
hmTrapsConnected	192.168.0.20	2016-09-12 14:43:01	
hmTrapsRoamed	192.168.0.20	2016-09-12 14:42:46	
hmTrapsConnected	192.168.0.10	2016-09-12 14:42:46	

Below the table, there is a section for trap details with the following fields:

Name	Value
OID	
MIB	
Syntax	
Access	
Status	
DefVal	

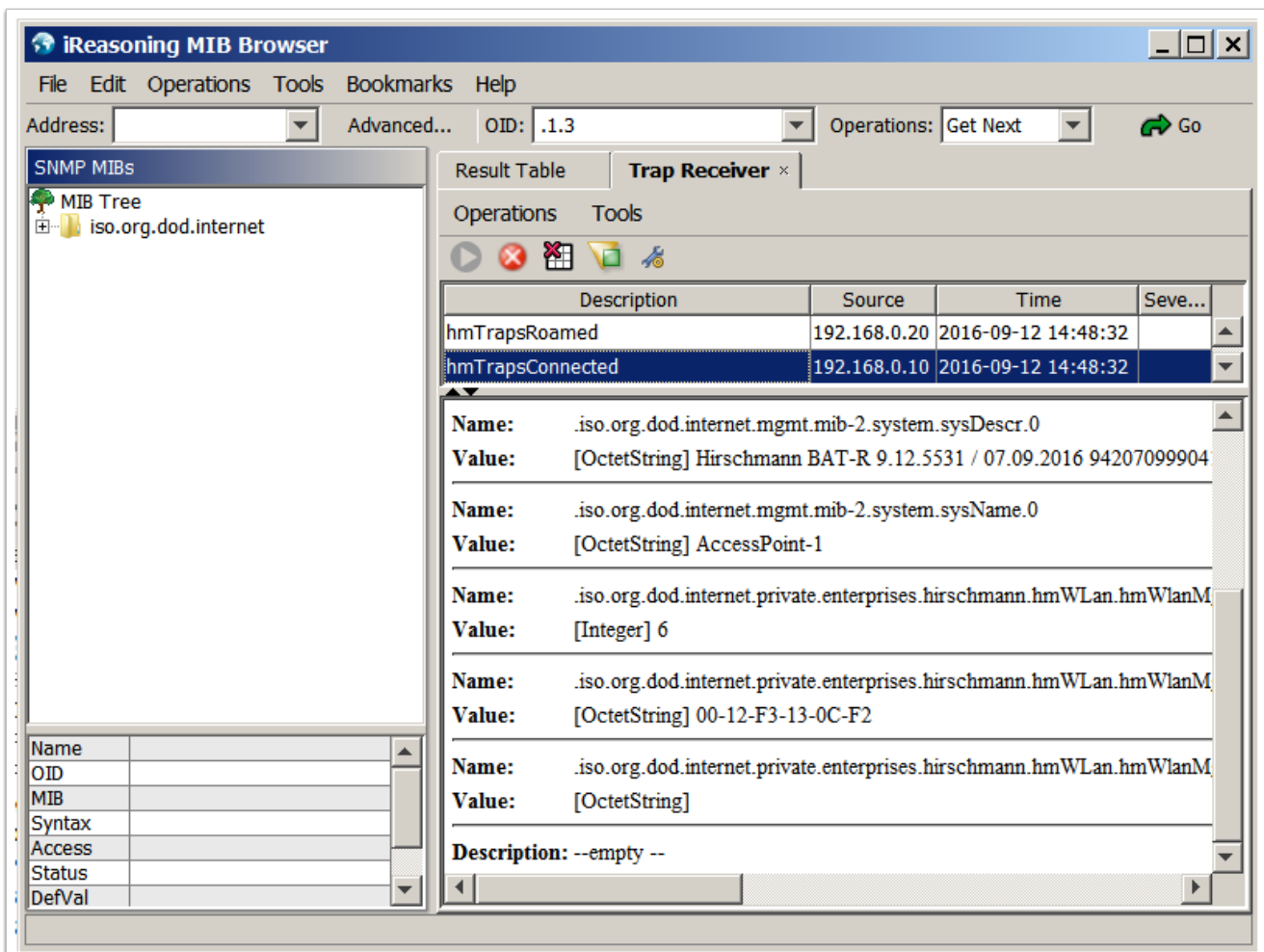
hmTrapsConnected

This trap is sent whenever a Client connects to an AccessPoint.

It provides the information of the Client MAC address.

```
Name:
.iso.org.dod.internet.mgmt.mib-2.system.sysName.0
Value:
[OctetString] AccessPoint-1
```

```
Name:
...hmStatusWlanStationTableEntryMacAddress...
Value:
[OctetString] 00-12-F3-13-0C-F2
```



The screenshot shows the iReasoning MIB Browser interface. The left pane displays the MIB tree for iso.org.dod.internet. The main window shows a 'Trap Receiver' window with a table of traps. The 'hmTrapsConnected' trap is selected, and its details are displayed below the table.

Description	Source	Time	Seve...
hmTrapsRoamed	192.168.0.20	2016-09-12 14:48:32	
hmTrapsConnected	192.168.0.10	2016-09-12 14:48:32	

```
Name: .iso.org.dod.internet.mgmt.mib-2.system.sysDescr.0
Value: [OctetString] Hirschmann BAT-R 9.12.5531 / 07.09.2016 94207099904

Name: .iso.org.dod.internet.mgmt.mib-2.system.sysName.0
Value: [OctetString] AccessPoint-1

Name: .iso.org.dod.internet.private.enterprises.hirschmann.hmWlan.hmWlanM
Value: [Integer] 6

Name: .iso.org.dod.internet.private.enterprises.hirschmann.hmWlan.hmWlanM
Value: [OctetString] 00-12-F3-13-0C-F2

Name: .iso.org.dod.internet.private.enterprises.hirschmann.hmWlan.hmWlanM
Value: [OctetString]

Description: --empty --
```

hmTrapsRoamed

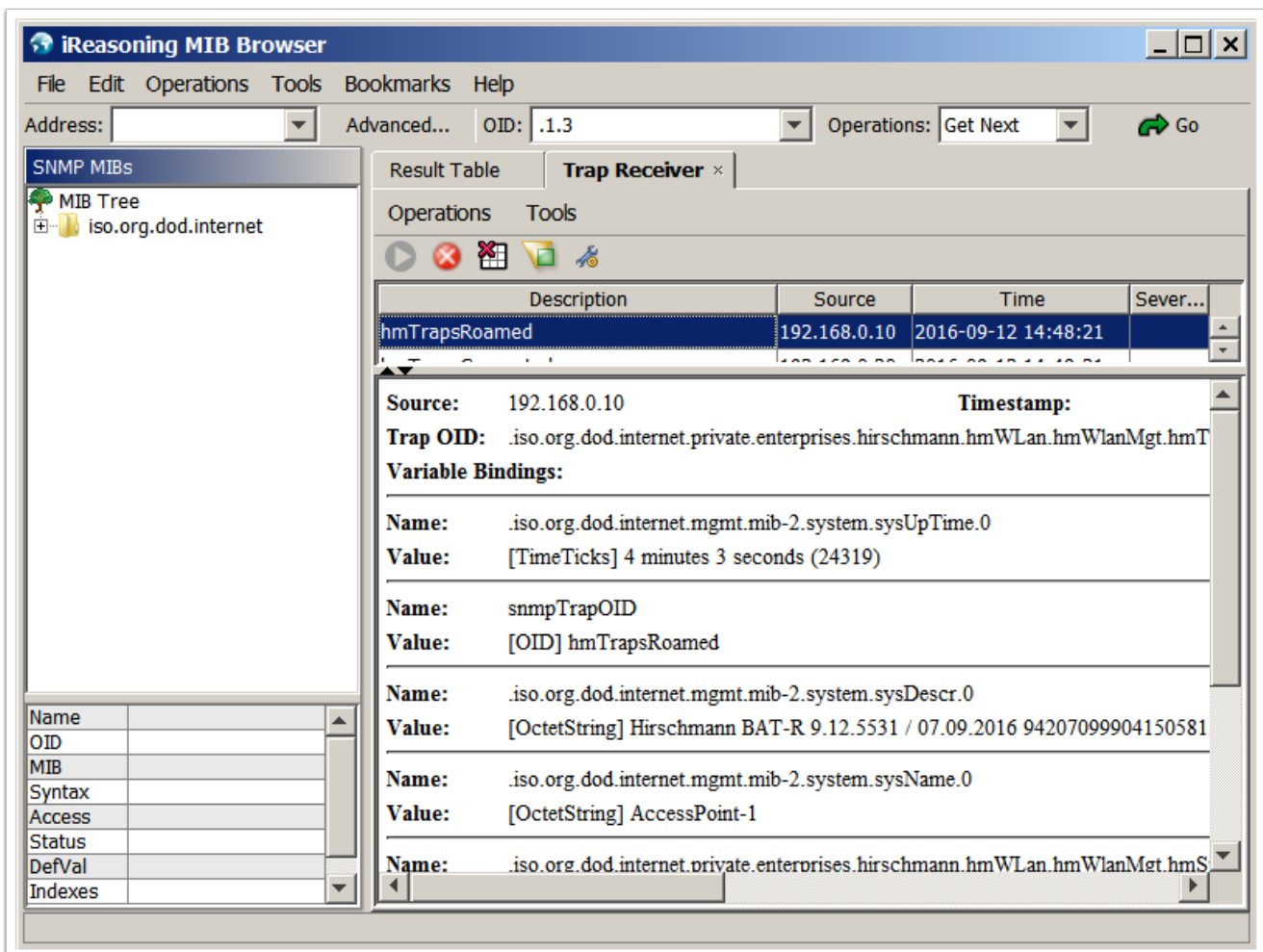
This trap is sent out by the old/previous AccessPoint.

If a Client moves from AP-1 to AP-2, then the hmTrapsRoamed will be sent by AP-1.

For this to function, the AccessPoints need to be in the same Layer2 network (same/multiple switches) or through a Layer3 network over the Wireless Controller (WLC).

Name:
`.iso.org.dod.internet.mgmt.mib-2.system.sysName.0`
 Value:
`[OctetString] AccessPoint-1`

Name:
`.iso...hmStatusWlanStationTableEntryMacAddress...`
 Value:
`[OctetString] 00-12-F3-13-0C-F2`



The screenshot shows the iReasoning MIB Browser interface. The main window displays a 'Trap Receiver' configuration for the OID `.1.3`. The configuration includes a table of traps and a detailed view of the selected trap.

Description	Source	Time	Sever...
hmTrapsRoamed	192.168.0.10	2016-09-12 14:48:21	

Source: 192.168.0.10 **Timestamp:**

Trap OID: `.iso.org.dod.internet.private.enterprises.hirschmann.hmWlan.hmWlanMgt.hmT`

Variable Bindings:

Name: <code>.iso.org.dod.internet.mgmt.mib-2.system.sysUpTime.0</code>	Value: <code>[TimeTicks] 4 minutes 3 seconds (24319)</code>
Name: <code>snmpTrapOID</code>	Value: <code>[OID] hmTrapsRoamed</code>
Name: <code>.iso.org.dod.internet.mgmt.mib-2.system.sysDescr.0</code>	Value: <code>[OctetString] Hirschmann BAT-R 9.12.5531 / 07.09.2016 94207099904150581</code>
Name: <code>.iso.org.dod.internet.mgmt.mib-2.system.sysName.0</code>	Value: <code>[OctetString] AccessPoint-1</code>
Name: <code>.iso.org.dod.internet.private.enterprises.hirschmann.hmWlan.hmWlanMgt.hmS</code>	