# EATON How to get OIDs list

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## Requirements:

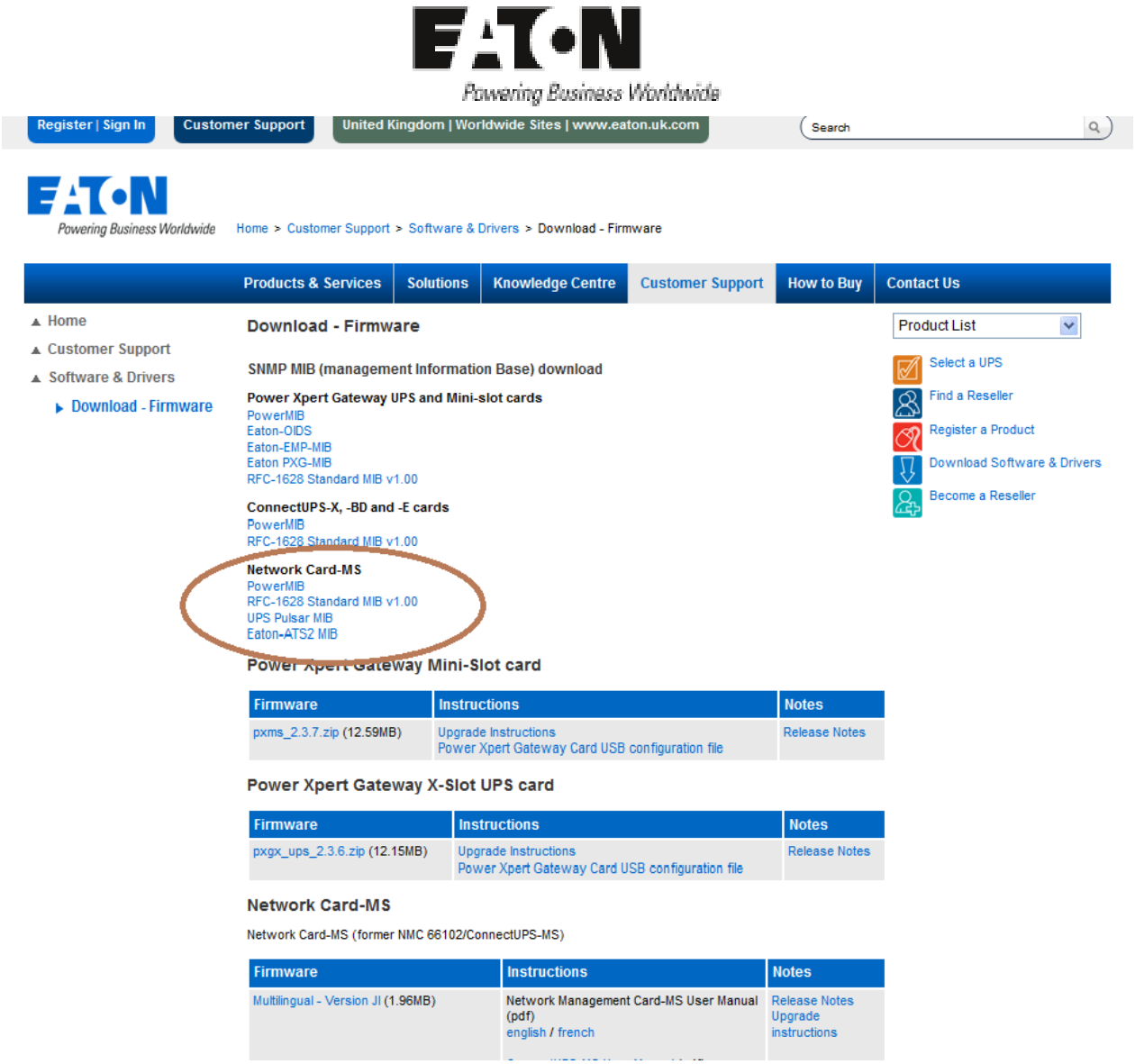
**Software**: a MIB browser is required. For this procedure I will use iReasoning MIB Browser.

**Hardware**: An UPS with a network card

## Download the MIB

Go to http://powerquality.eaton.fr/Support/Software-Drivers/Downloads/connectivity-firmware.asp and download the Mib files for your card.

(in this case I am using the Network-MS card)



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  - Download - Firmware

## Download - Firmware

Product List

- Select a UPS
- Find a Reseller
- Register a Product
- Download Software & Drivers
- Become a Reseller

### SNMP MIB (management Information Base) download

**Power Xpert Gateway UPS and Mini-slot cards**
PowerMIB
Eaton-OIDS
Eaton-EMP-MIB
Eaton PXG-MIB
RFC-1628 Standard MIB v1.00

**ConnectUPS-X, -BD and -E cards**
PowerMIB
RFC-1628 Standard MIB v1.00

**Network Card-MS**
PowerMIB
RFC-1628 Standard MIB v1.00
UPS Pulsar MIB
Eaton-ATS2 MIB

### Power Xpert Gateway Mini-Slot card

| Firmware | Instructions | Notes |
|---|---|---|
| pxms_2.3.7.zip (12.59MB) | Upgrade Instructions<br>Power Xpert Gateway Card USB configuration file | Release Notes |

### Power Xpert Gateway X-Slot UPS card

| Firmware | Instructions | Notes |
|---|---|---|
| pxgx_ups_2.3.6.zip (12.15MB) | Upgrade Instructions<br>Power Xpert Gateway Card USB configuration file | Release Notes |

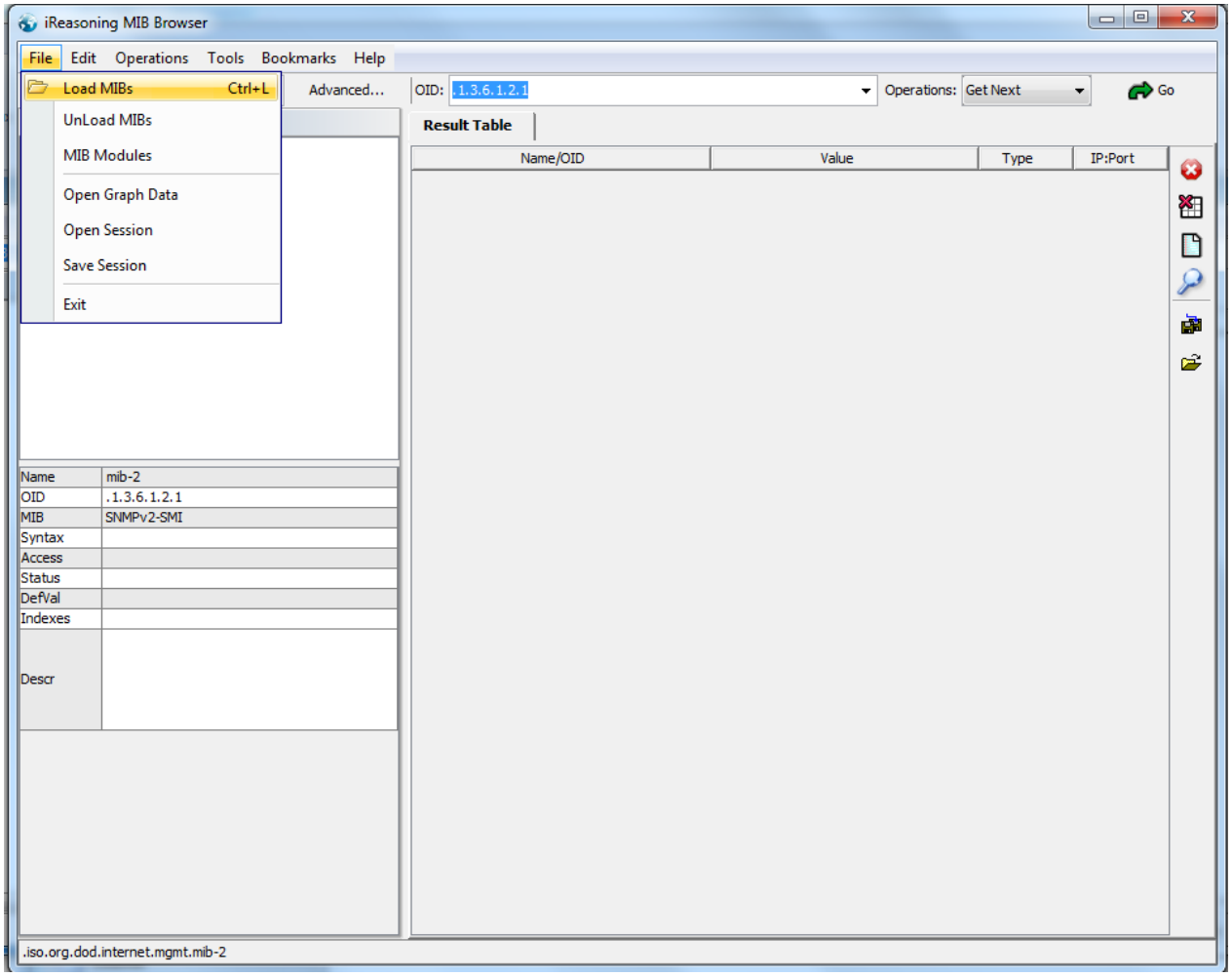
### Network Card-MS

Network Card-MS (former NMC 66102/ConnectUPS-MS)

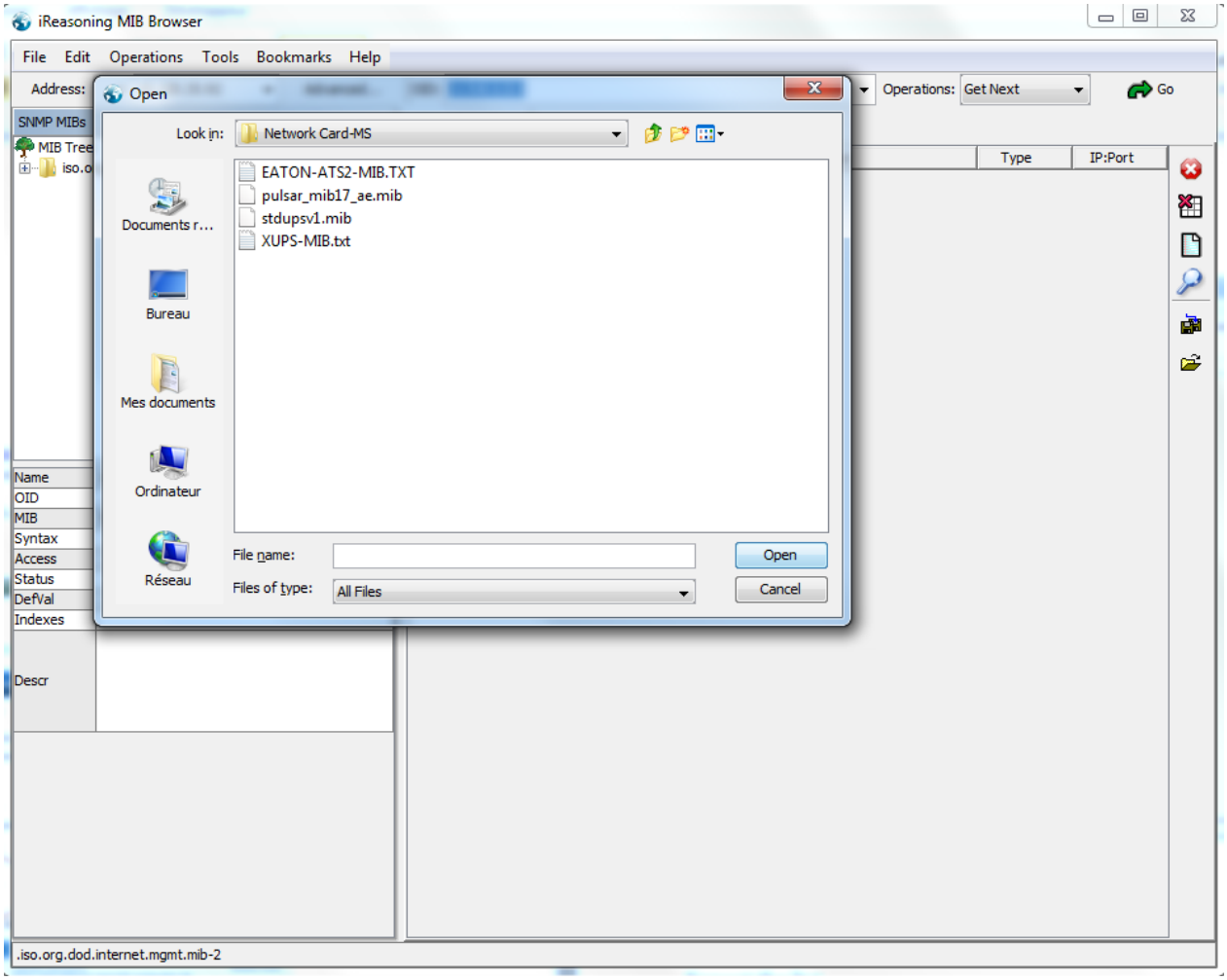
| Firmware | Instructions | Notes |
|---|---|---|
| Multilingual - Version JI (1.96MB) | Network Management Card-MS User Manual (pdf)<br>english / french | Release Notes<br>Upgrade instructions |

## Load the MIB on Ireasoning MIB Browser

Open Ireasoning MIB Browser software and go to File and Load MIBs

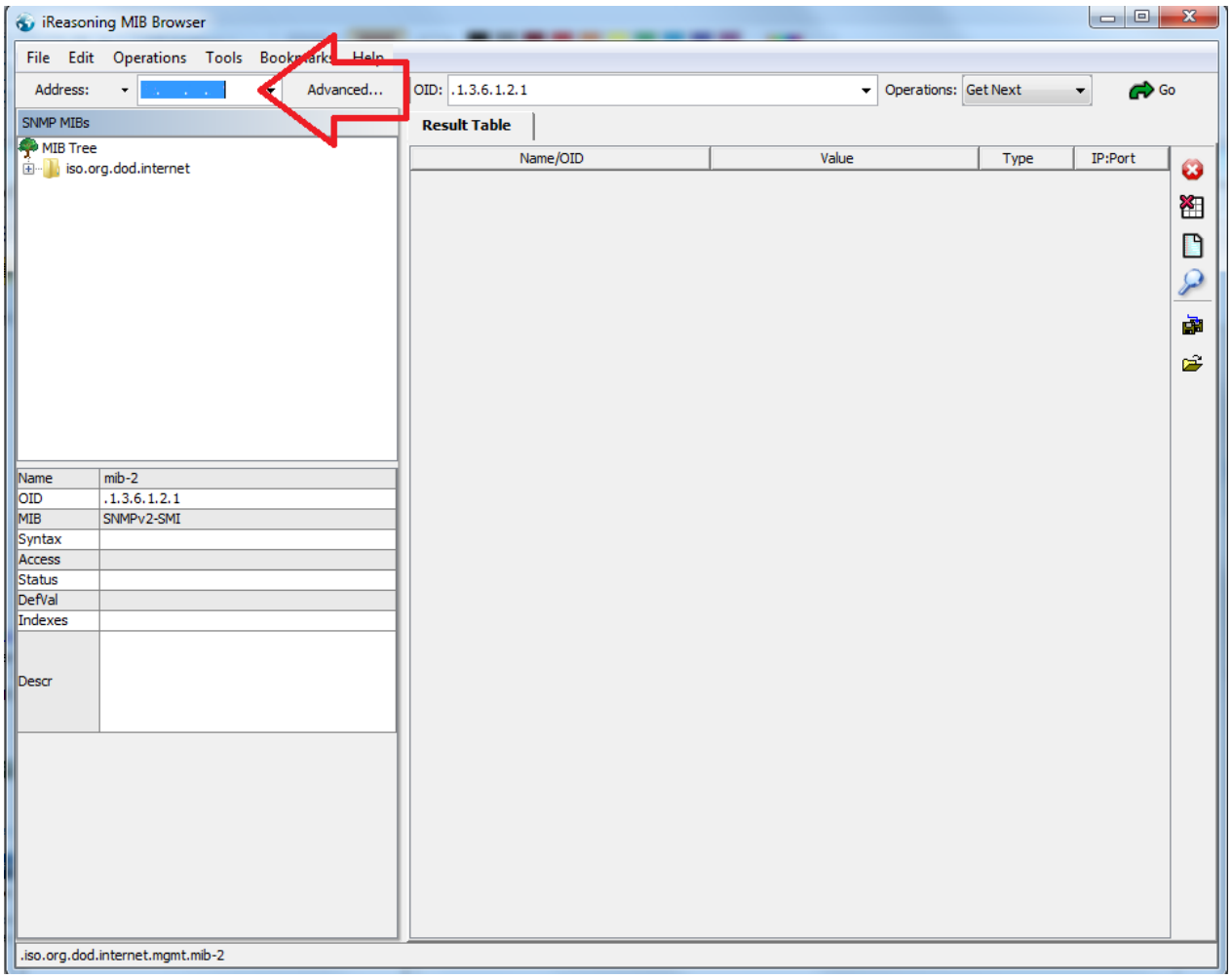


Select the MIBs files and click on Open

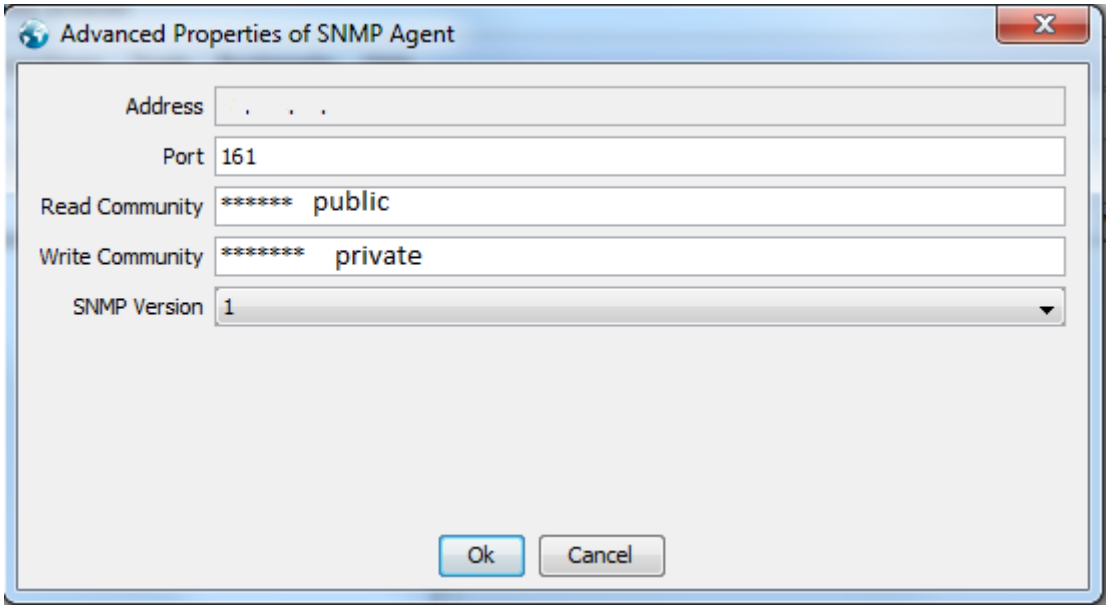


## Get the OID list

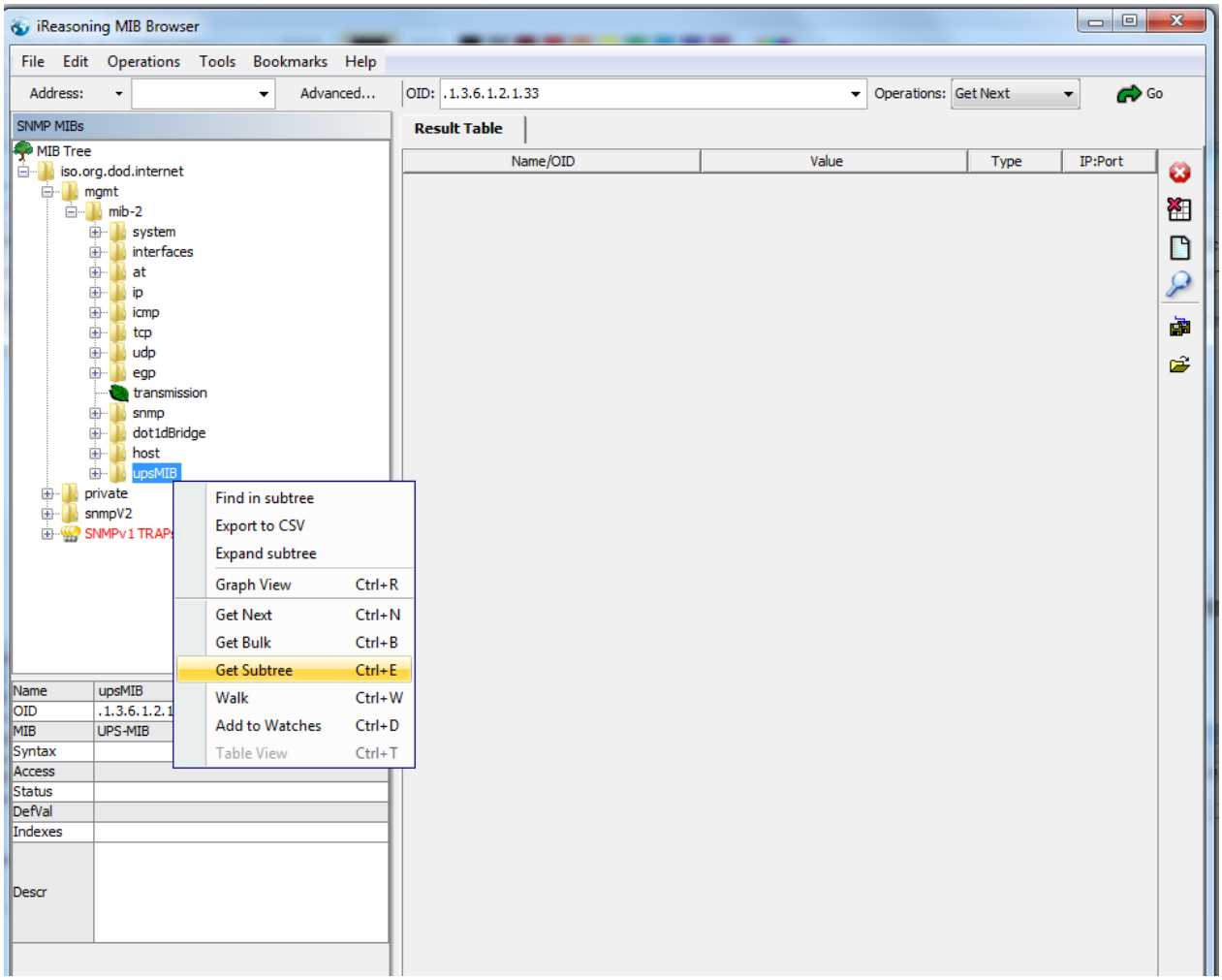
Enter the IP address of the UPS network card

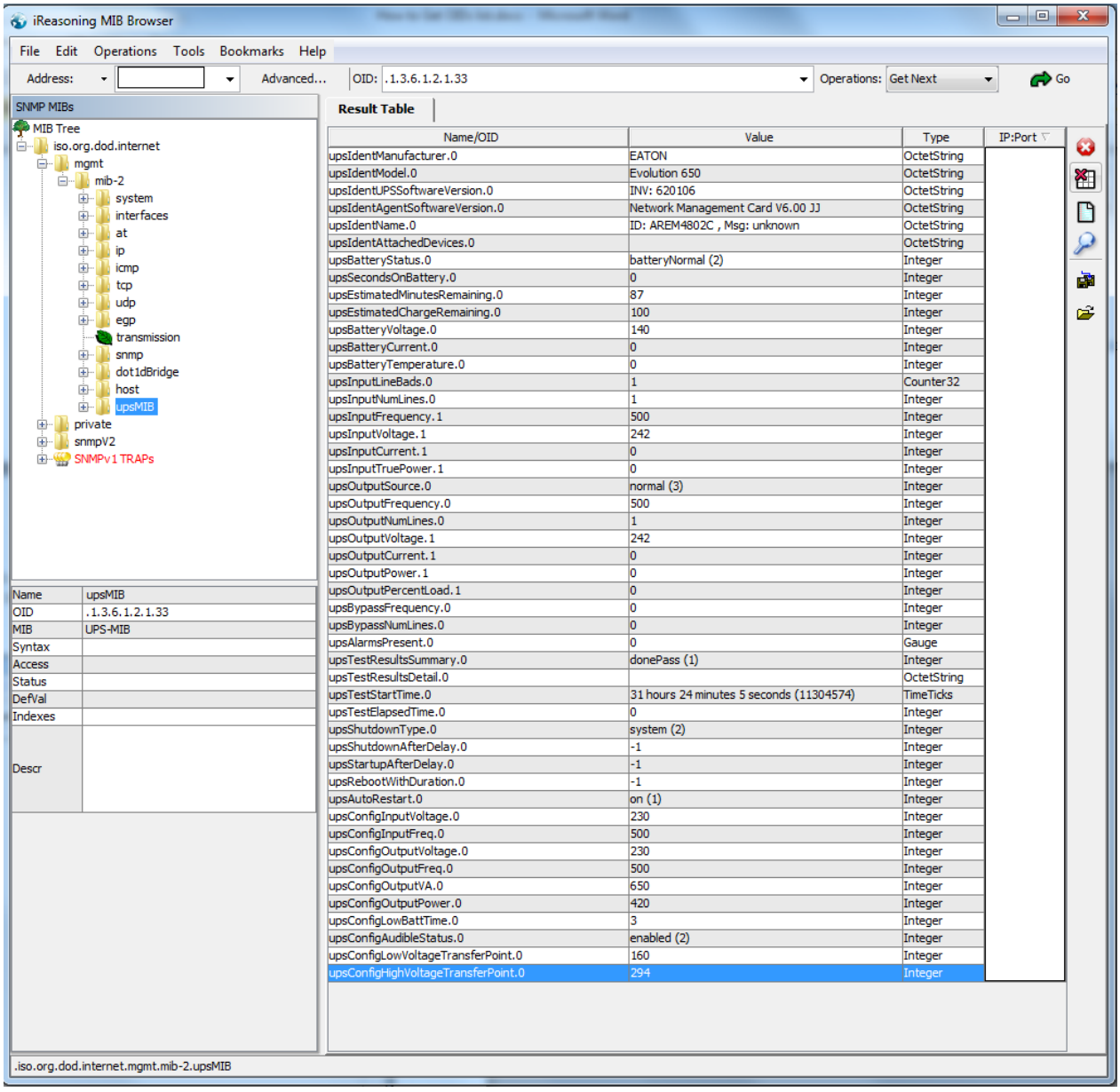


Click on Advanced… and add the Read and Write Community password (public and private).

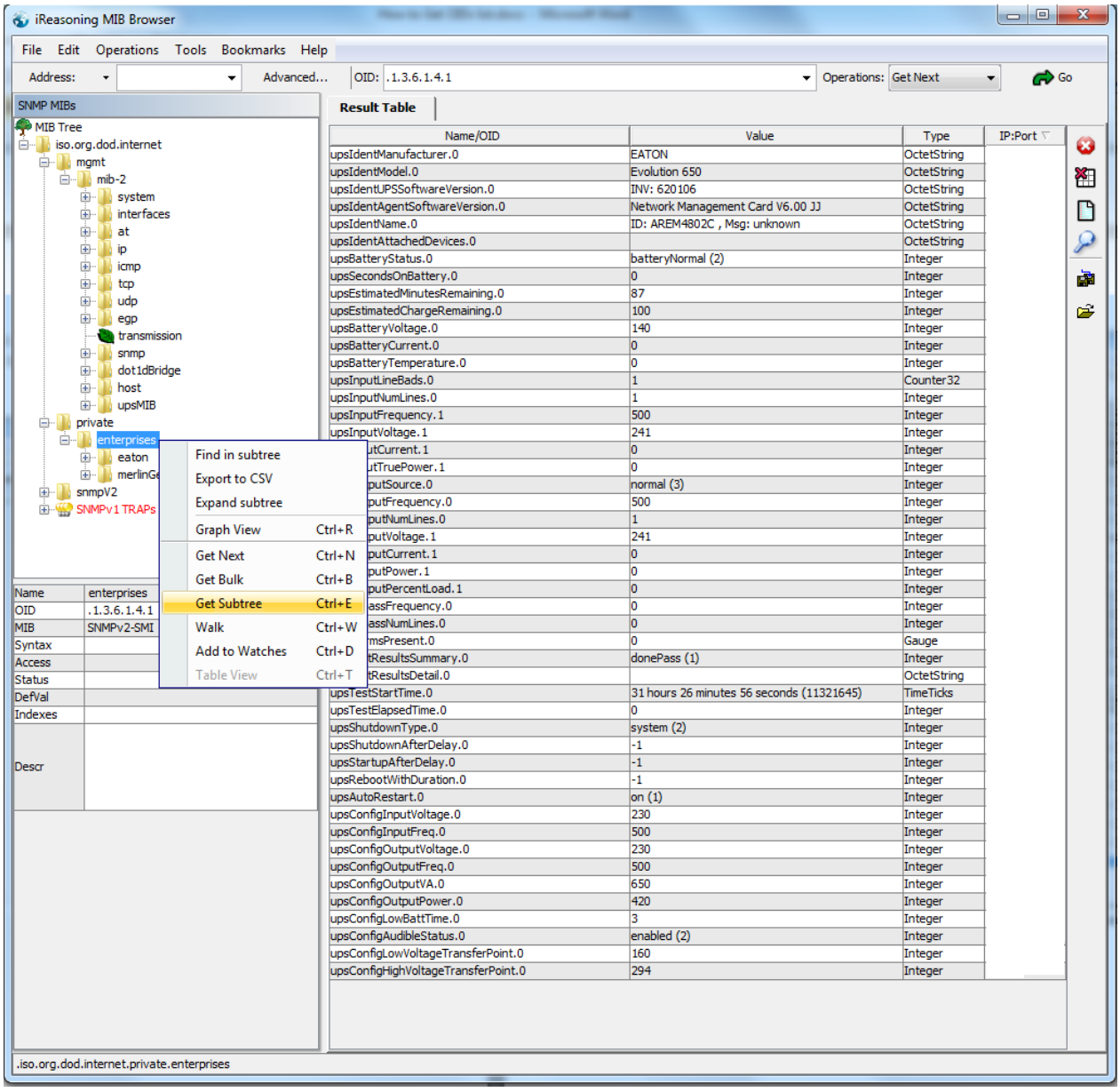


Go to iso.org.dod.internet.mgnt.mib-2 and right click upsMIB. Then Get Subtree (on the right you will have the list of all the OIDs in the RFC 1628 standard MIB)



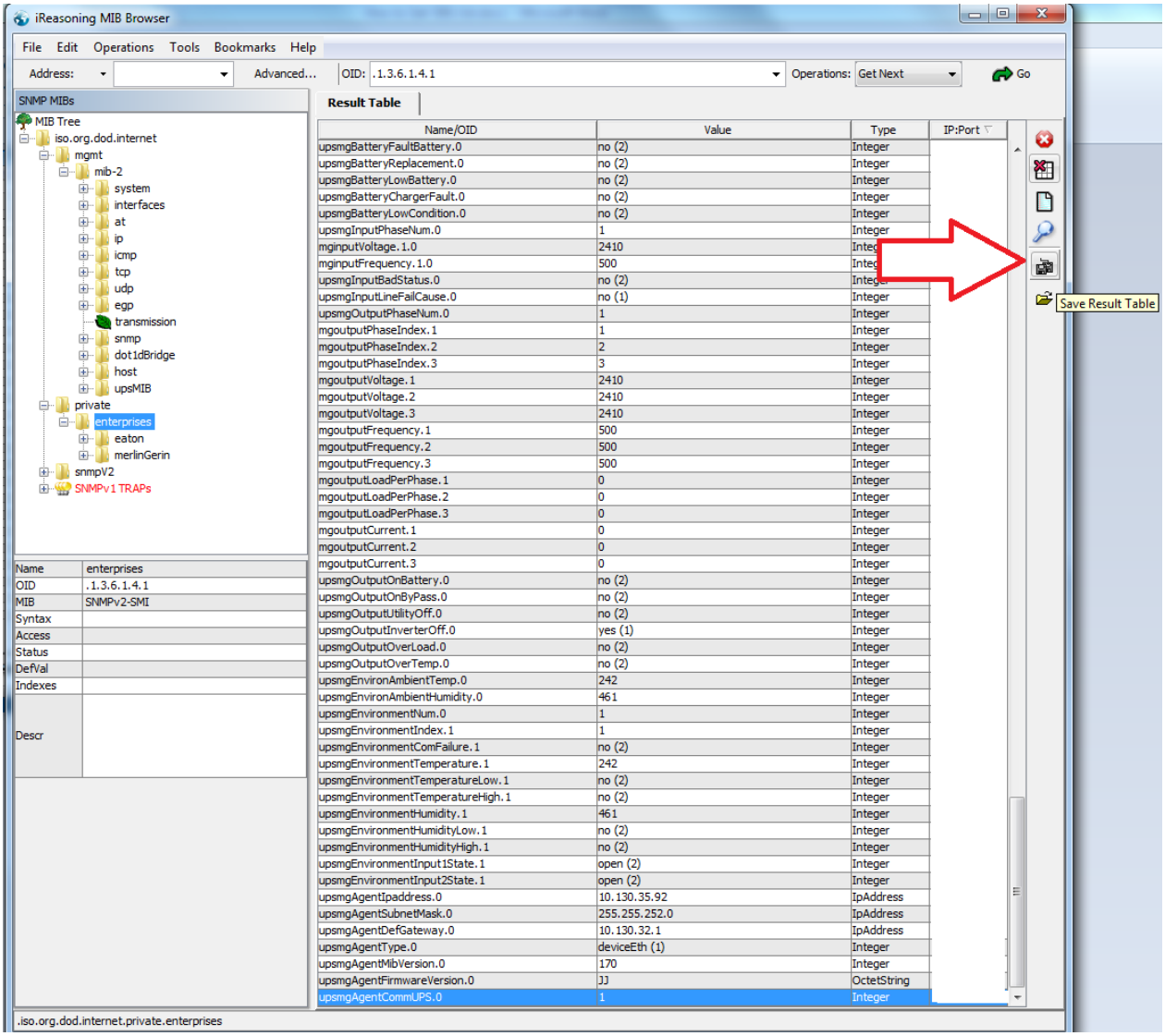

iReasoning MIB Browser
File Edit Operations Tools Bookmarks Help
Address:
Advanced...
OID: .1.3.6.1.2.1.33
Operations: Get Next
Go
SNMP MIBs
MIB Tree
iso.org.dod.internet
mgmt
mib-2
system
interfaces
at
ip
icmp
tcp
udp
egp
transmission
snmp
dot1dBridge
host
upsMIB
private
snmpV2
SNMPv1 TRAPs
Result Table
Name/OID
Value
Type
IP:Port
upsIdentManufacturer.0 EATON OctetString
upsIdentModel.0 Evolution 650 OctetString
upsIdentUPSSoftwareVersion.0 INV: 620106 OctetString
upsIdentAgentSoftwareVersion.0 Network Management Card V6.00 JJ OctetString
upsIdentName.0 ID: AREM4802C , Msg: unknown OctetString
upsIdentAttachedDevices.0 OctetString
upsBatteryStatus.0 batteryNormal (2) Integer
upsSecondsOnBattery.0 0 Integer
upsEstimatedMinutesRemaining.0 87 Integer
upsEstimatedChargeRemaining.0 100 Integer
upsBatteryVoltage.0 140 Integer
upsBatteryCurrent.0 0 Integer
upsBatteryTemperature.0 0 Integer
upsInputLineBads.0 1 Counter32
upsInputNumLines.0 1 Integer
upsInputFrequency.1 500 Integer
upsInputVoltage.1 242 Integer
upsInputCurrent.1 0 Integer
upsInputTruePower.1 0 Integer
upsOutputSource.0 normal (3) Integer
upsOutputFrequency.0 500 Integer
upsOutputNumLines.0 1 Integer
upsOutputVoltage.1 242 Integer
upsOutputCurrent.1 0 Integer
upsOutputPower.1 0 Integer
upsOutputPercentLoad.1 0 Integer
upsBypassFrequency.0 0 Integer
upsBypassNumLines.0 0 Integer
upsAlarmsPresent.0 0 Gauge
upsTestResultsSummary.0 donePass (1) Integer
upsTestResultsDetail.0 OctetString
upsTestStartTime.0 31 hours 24 minutes 5 seconds (11304574) TimeTicks
upsTestElapsedTime.0 0 Integer
upsShutdownType.0 system (2) Integer
upsShutdownAfterDelay.0 -1 Integer
upsStartupAfterDelay.0 -1 Integer
upsRebootWithDuration.0 -1 Integer
upsAutoRestart.0 on (1) Integer
upsConfigInputVoltage.0 230 Integer
upsConfigInputFreq.0 500 Integer
upsConfigOutputVoltage.0 230 Integer
upsConfigOutputFreq.0 500 Integer
upsConfigOutputVA.0 650 Integer
upsConfigOutputPower.0 420 Integer
upsConfigLowBattTime.0 3 Integer
upsConfigAudibleStatus.0 enabled (2) Integer
upsConfigLowVoltageTransferPoint.0 160 Integer
upsConfigHighVoltageTransferPoint.0 294 Integer
Name upsMIB
OID .1.3.6.1.2.1.33
MIB UPS-MIB
Syntax
Access
Status
DefVal
Indexes
Descr
.iso.org.dod.internet.mgmt.mib-2.upsMIB

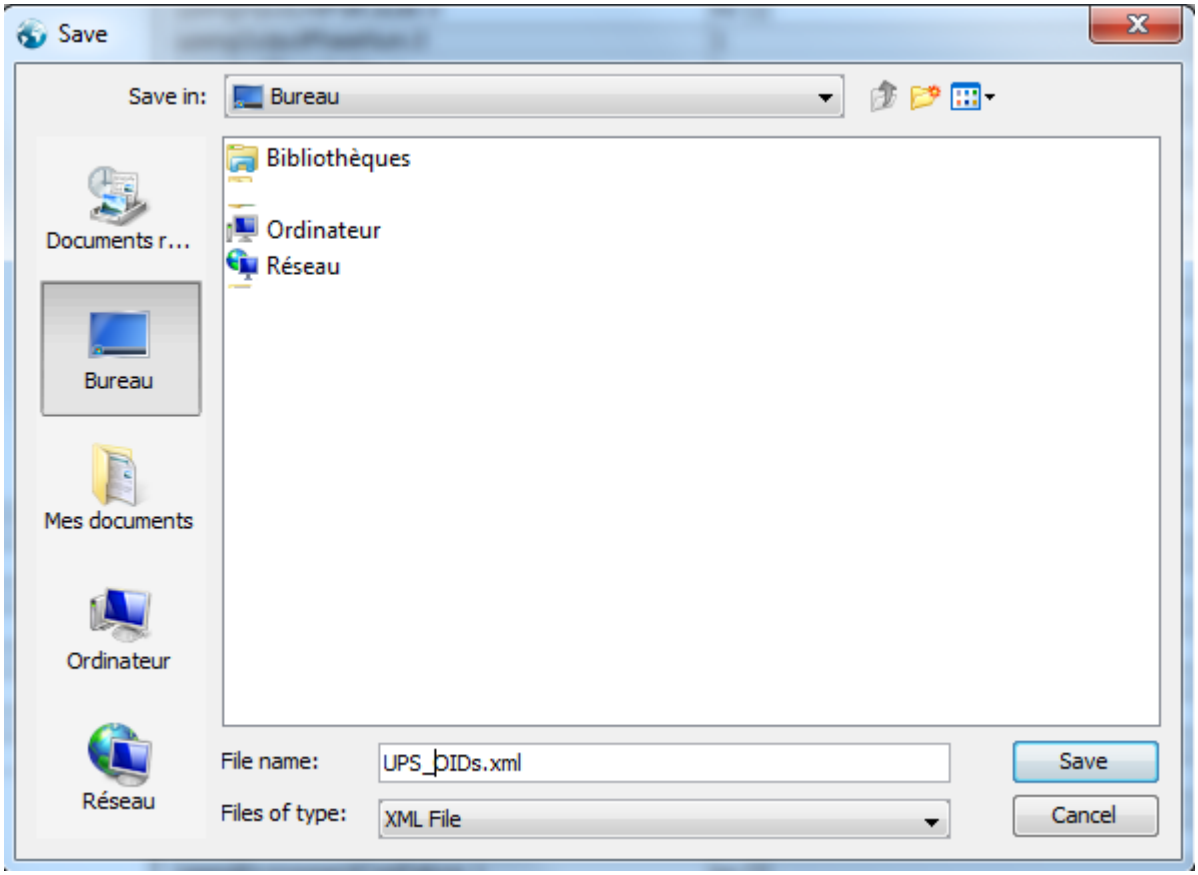
Now go to private and right click enterprises, then Get Subtree (this will list the list of all OIDs in Eaton MIBs)



## Export the list

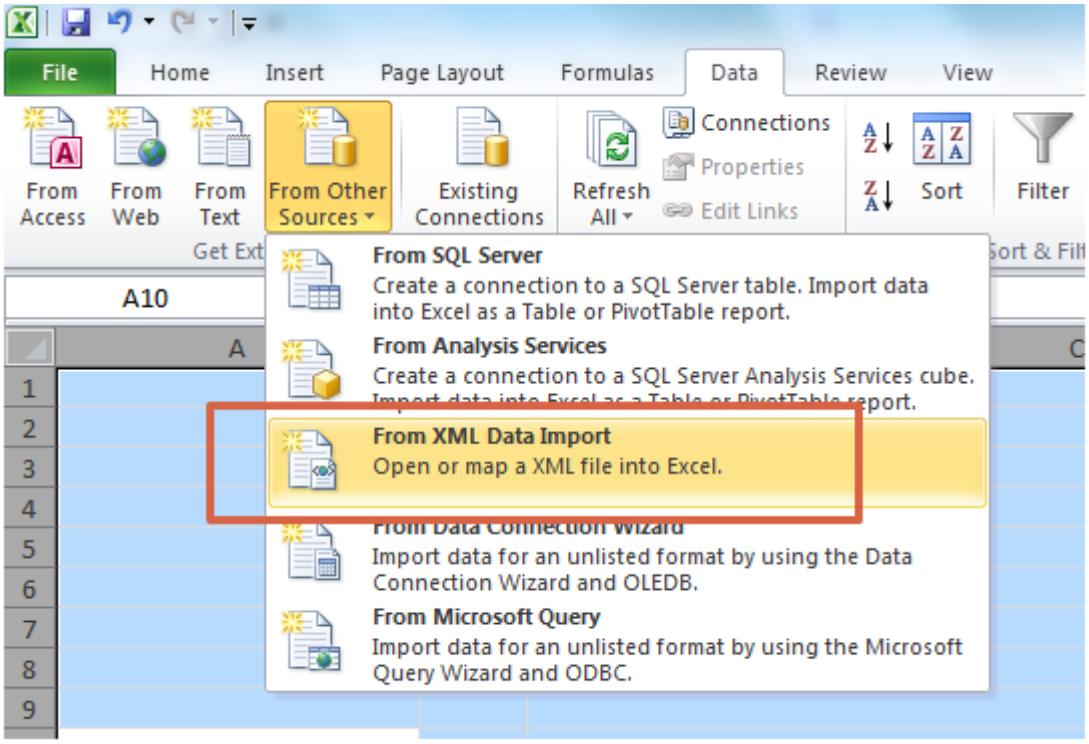
Once you have the list of all OIDs availables in your UPS, just click on Save the result table




Save
Save in:
Bureau
Bibliothèques
Ordinateur
Réseau
Documents r...
Bureau
Mes documents
Ordinateur
Réseau
File name:
UPS_OIDs.xml
Files of type:
XML File
Save
Cancel

## Import into Excel

Open Microsoft Excel and go to Data/ From other sources and select From XML Data Import



Select your file and just import the XML file generated with iReasoning MIB Browser

| | A | B | C | D |
|---|---|---|---|---|
| 1 | name | oid | valueType | Value |
| 2 | upsIdentManufacturer.0 | .1.3.6.1.2.1.33.1.1.1.0 | OctetString | EATON |
| 3 | upsIdentModel.0 | .1.3.6.1.2.1.33.1.1.2.0 | OctetString | Evolution 650 |
| 4 | upsIdentUPSSoftwareVersion.0 | .1.3.6.1.2.1.33.1.1.3.0 | OctetString | INV: 620106 |
| 5 | upsIdentAgentSoftwareVersion.0 | .1.3.6.1.2.1.33.1.1.4.0 | OctetString | Network Management Card V6.00 JJ |
| 6 | upsIdentName.0 | .1.3.6.1.2.1.33.1.1.5.0 | OctetString | ID: AREM4802C , Msg: unknown |
| 7 | upsIdentAttachedDevices.0 | .1.3.6.1.2.1.33.1.1.6.0 | OctetString | |
| 8 | upsBatteryStatus.0 | .1.3.6.1.2.1.33.1.2.1.0 | Integer | batteryNormal (2) |
| 9 | upsSecondsOnBattery.0 | .1.3.6.1.2.1.33.1.2.2.0 | Integer | 0 |
| 10 | upsEstimatedMinutesRemaining.0 | .1.3.6.1.2.1.33.1.2.3.0 | Integer | 87 |
| 11 | upsEstimatedChargeRemaining.0 | .1.3.6.1.2.1.33.1.2.4.0 | Integer | 100 |
| 12 | upsBatteryVoltage.0 | .1.3.6.1.2.1.33.1.2.5.0 | Integer | 140 |
| 13 | upsBatteryCurrent.0 | .1.3.6.1.2.1.33.1.2.6.0 | Integer | 0 |
| 14 | upsBatteryTemperature.0 | .1.3.6.1.2.1.33.1.2.7.0 | Integer | 0 |
| 15 | upsInputLineBads.0 | .1.3.6.1.2.1.33.1.3.1.0 | Counter32 | 1 |
| 16 | upsInputNumLines.0 | .1.3.6.1.2.1.33.1.3.2.0 | Integer | 1 |
| 17 | upsInputFrequency.1 | .1.3.6.1.2.1.33.1.3.3.1.2.1 | Integer | 500 |
| 18 | upsInputVoltage.1 | .1.3.6.1.2.1.33.1.3.3.1.3.1 | Integer | 241 |
| 19 | upsInputCurrent.1 | .1.3.6.1.2.1.33.1.3.3.1.4.1 | Integer | 0 |
| 20 | upsInputTruePower.1 | .1.3.6.1.2.1.33.1.3.3.1.5.1 | Integer | 0 |
| 21 | upsOutputSource.0 | .1.3.6.1.2.1.33.1.4.1.0 | Integer | normal (3) |
| 22 | upsOutputFrequency.0 | .1.3.6.1.2.1.33.1.4.2.0 | Integer | 500 |
| 23 | upsOutputNumLines.0 | .1.3.6.1.2.1.33.1.4.3.0 | Integer | 1 |
| 24 | upsOutputVoltage.1 | .1.3.6.1.2.1.33.1.4.4.1.2.1 | Integer | 241 |
| 25 | upsOutputCurrent.1 | .1.3.6.1.2.1.33.1.4.4.1.3.1 | Integer | 1 |
| 26 | upsOutputPower.1 | .1.3.6.1.2.1.33.1.4.4.1.4.1 | Integer | 0 |
| 27 | upsOutputPercentLoad.1 | .1.3.6.1.2.1.33.1.4.4.1.5.1 | Integer | 0 |
| 28 | upsBypassFrequency.0 | .1.3.6.1.2.1.33.1.5.1.0 | Integer | 0 |
| 29 | upsBypassNumLines.0 | .1.3.6.1.2.1.33.1.5.2.0 | Integer | 0 |
| 30 | upsAlarmsPresent.0 | .1.3.6.1.2.1.33.1.6.1.0 | Gauge | 0 |
| 31 | upsTestResultsSummary.0 | .1.3.6.1.2.1.33.1.7.3.0 | Integer | donePass (1) |
| 32 | upsTestResultsDetail.0 | .1.3.6.1.2.1.33.1.7.4.0 | OctetString | |
| 33 | upsTestStartTime.0 | .1.3.6.1.2.1.33.1.7.5.0 | TimeTicks | 31 hours 29 minutes (11334034) |

End of the procedure.