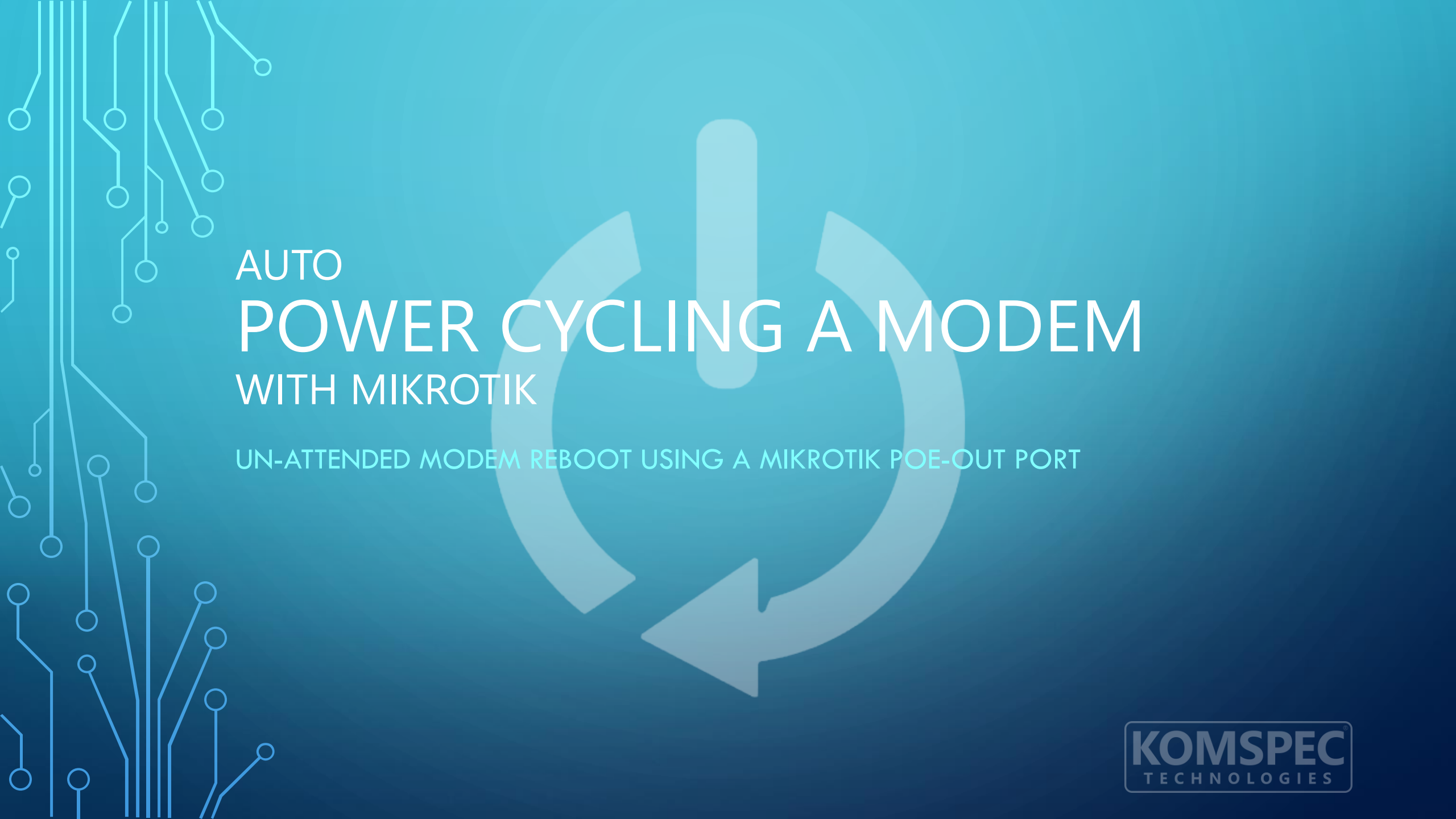




AUTO POWER CYCLING A MODEM WITH MIKROTIK

UN-ATTENDED MODEM REBOOT USING A MIKROTIK POE-OUT PORT

DISCLAIMER

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PROBLEM



FAULTY DSL MODEM



EDANN BAULETE

CO-FOUNDER & PRESIDENT OF KOMSPEC TECHNOLOGIES



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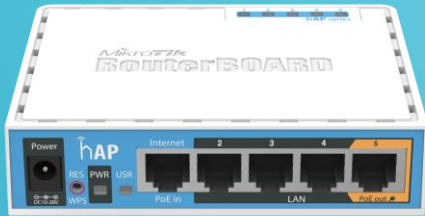
SOLUTION



AUTO REBOOT MODEM



DEVICES & MATERIALS



hAP AC Lite



DSL Modem



Patch Cables



Relay 12v



RJ45 IO Port



AC Male Plug

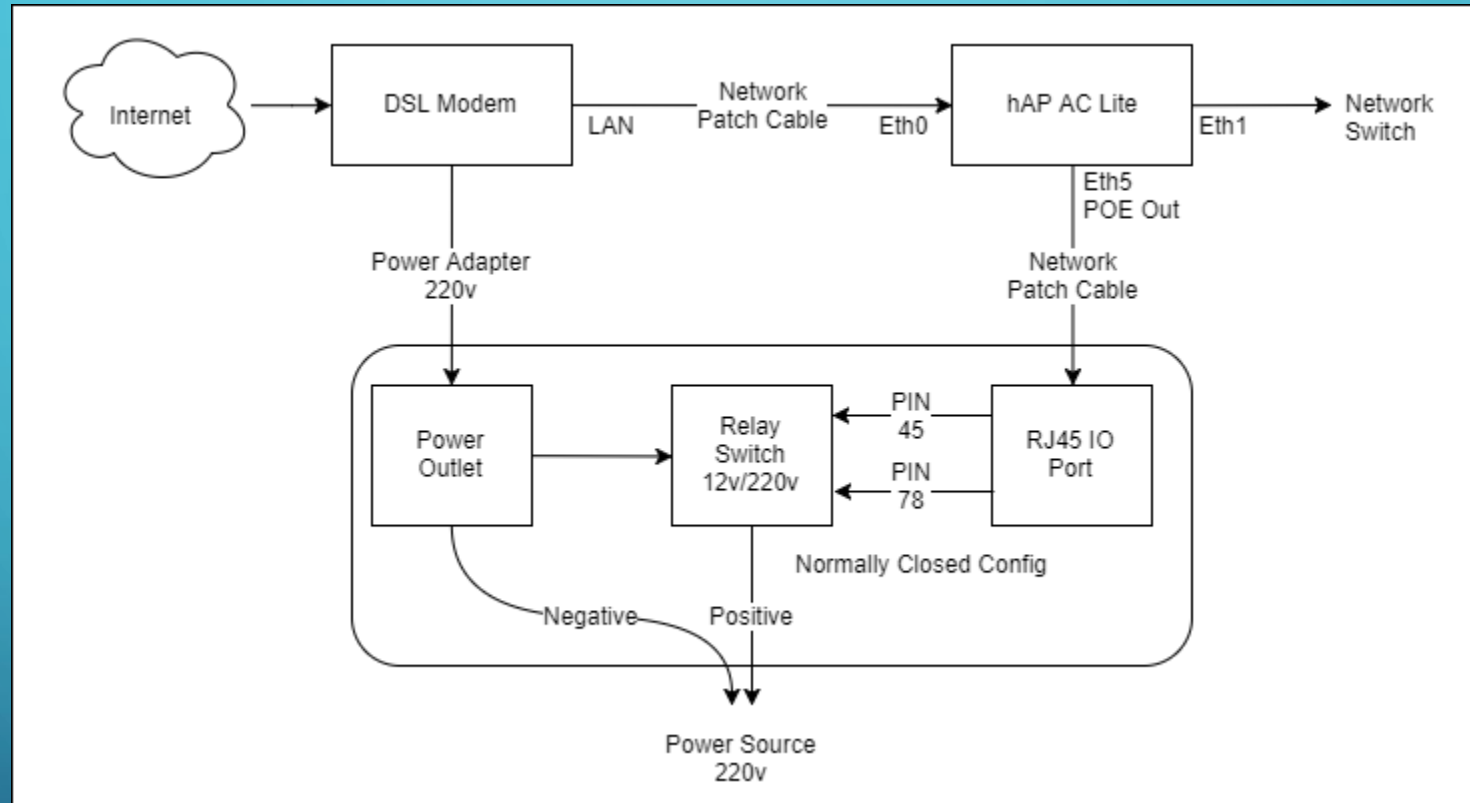


AC Female Outlet



Surface Box

DIAGRAM



When power is introduced to the POE Out on Eth5, the Relay Switch disconnects the positive line from the power source.

ACTUAL PHOTO





NETWATCH

Netwatch Host <8.8.8.8>

Host Up Down

Host: 8.8.8.8

Interval: 00:01:00

Timeout: 1000 ms

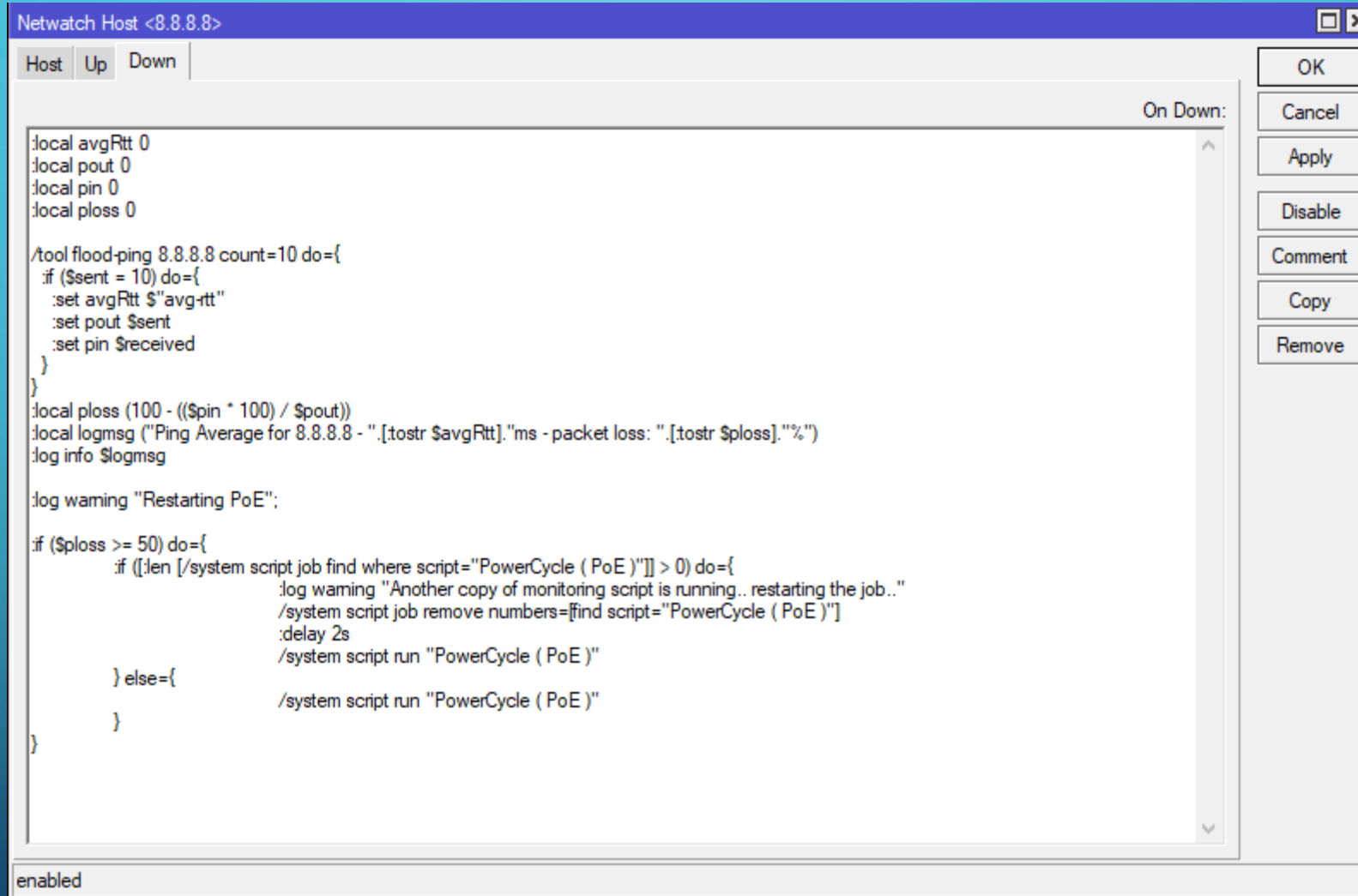
Status: down

Since: Jan/02/1970 00:17:34

OK
Cancel
Apply
Disable
Comment
Copy
Remove

enabled

NETWATCH



SCRIPT

Script <PowerCycle (PoE)>

Name:

Owner:

Policy:

☒ ftp	☒ reboot
☒ read	☒ write
☒ policy	☒ test
☒ password	☒ sniff
☒ sensitive	☒ romon
☐ dude	

Last Time Started:

Run Count:

Source:

```
/log warning "Turning PoE to 'Forced On'"
local PoeOut [/interface ethernet poe get value-name=poe-out number=ether5]

if ($PoeOut != "forced-on") do={
    /interface ethernet poe set poe-out=forced-on numbers=ether5
    /log warning "Successfully Turned on... waiting 5 seconds till turning it 'Off'"
} else={
    /log warning "PoE is already on Forced-On... continuing to 5 seconds delay..."
}

/log warning "check delay"
:delay 5s
/log warning "check delay - end"

/log warning "Turning PoE to 'Off'"
/interface ethernet poe set poe-out=off numbers=ether5
/log warning "Success!... Script Exit"
```

Buttons: OK, Cancel, Apply, Comment, Copy, Remove, Run Script

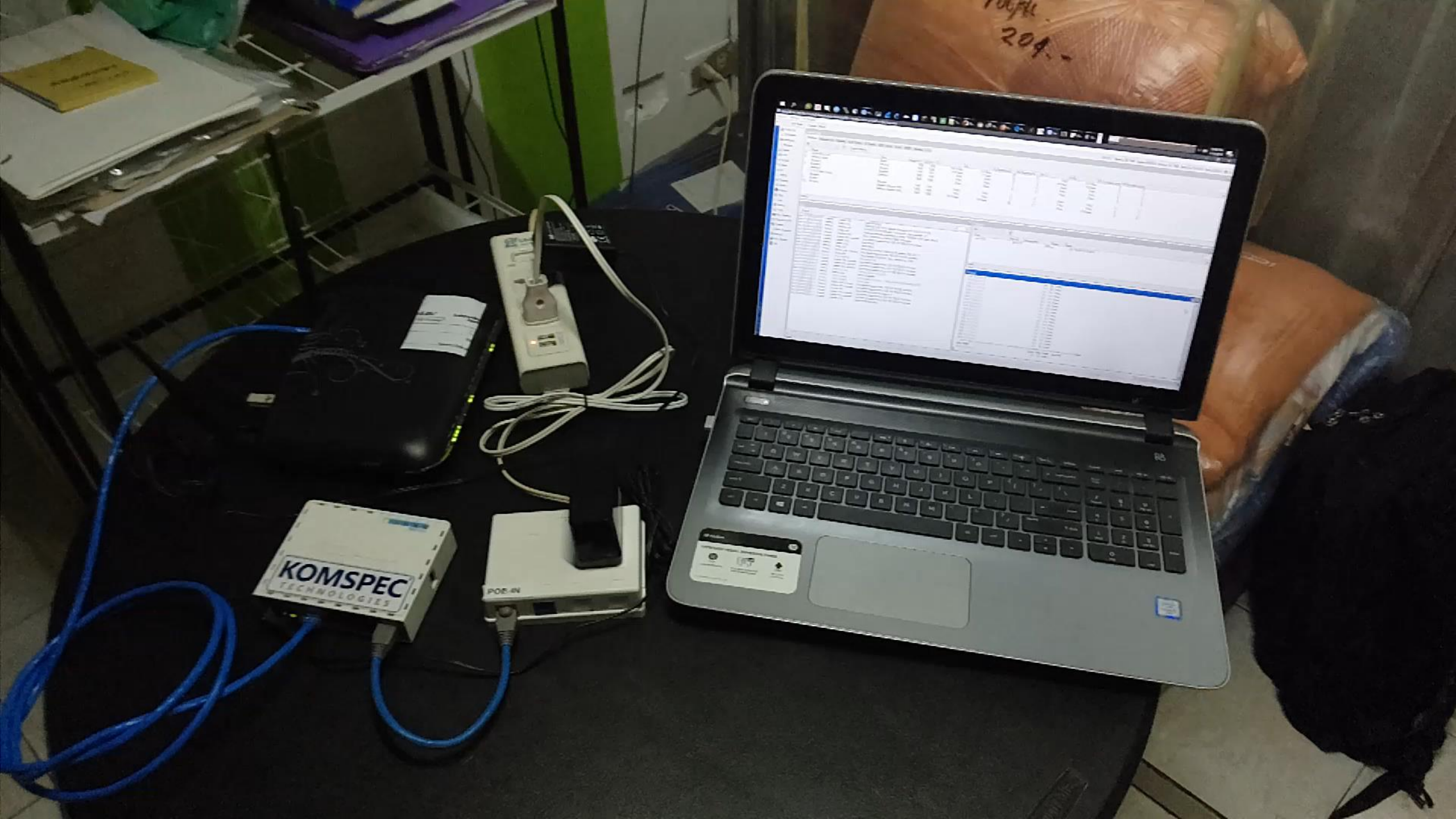
SCRIPT

```
/log warning "Turning PoE to 'Forced On'";
:local PoeOut [/interface ethernet poe get value-name=poe-out number=ether5];

:if ($PoeOut != "forced-on") do={
  /interface ethernet poe set poe-out=forced-on numbers=ether5;
  /log warning "Successfully Turned on... waiting 5 seconds till turning it 'Off'";
} else={
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:delay 5s;
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/log warning "Turning PoE to 'Off'";
/interface ethernet poe set poe-out=off numbers=ether5;
/log warning "Success!... Script Exit";
```



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THANK YOU

ENJOY THE REST OF MUM PH 2018



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