AUTO POWER CYCLING A MODEM WITH MIKROTIK

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

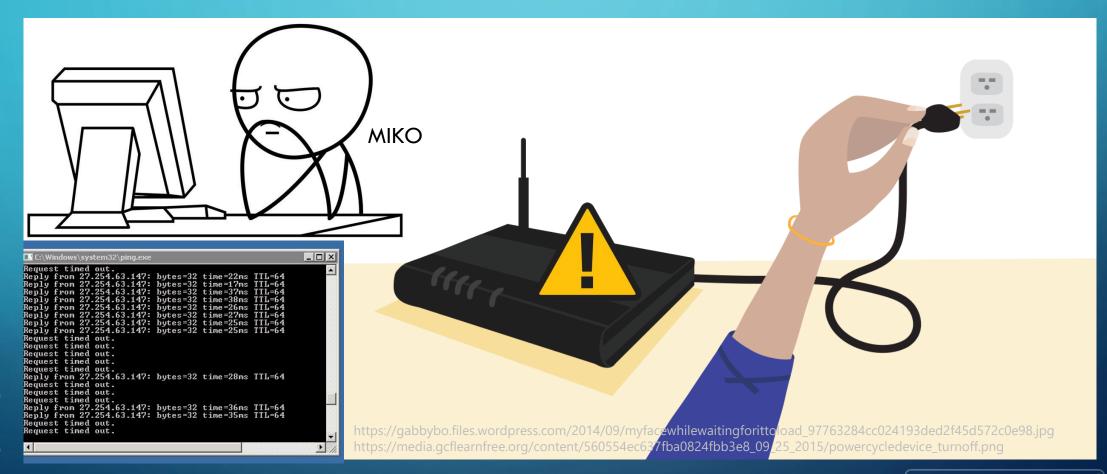


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PROBLEM FAULTY DSL MODEM





EDANN BAULETE

CO-FOUNDER & PRESIDENT OF KOMSPEC TECHNOLOGIES

KONSPEC TECHNOLOGIES

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Luzon Manila **Philippines** Tacloban Panay Pulo ng Leyte

Pulo ng Bohol

Davao

General Santos

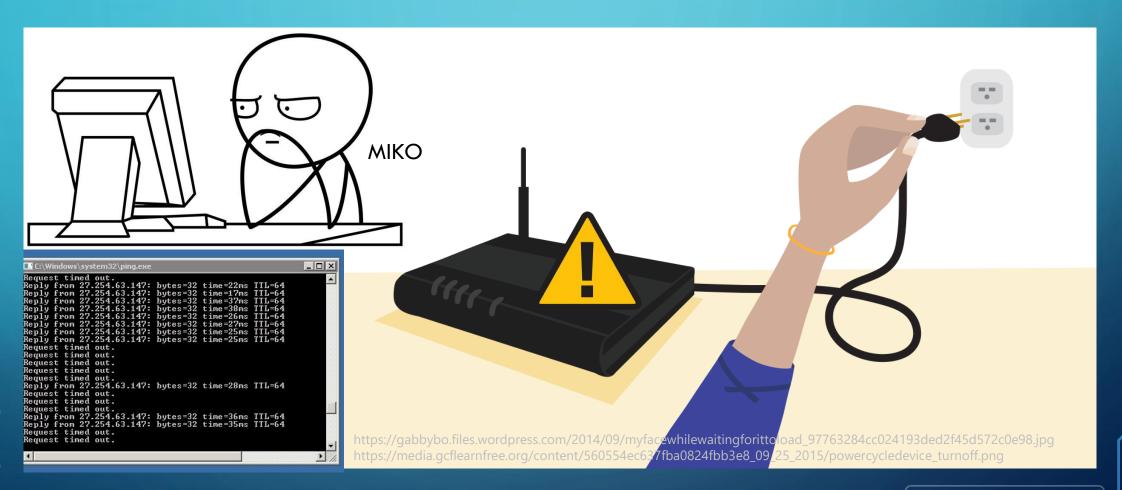
Mindanao

BUTUAN CITY

REGIONAL CENTER Mindanao



PROBLEM FAULTY DSL MODEM



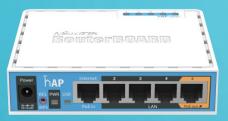


SOLUTION AUTO REBOOT MODEM



KOMSPEC TECHNOLOGIES

DEVICES & MATERIALS



hAP AC Lite



DSL Modem



Patch Cables



Relay 12v



RJ45 IO Port



AC Male Plug



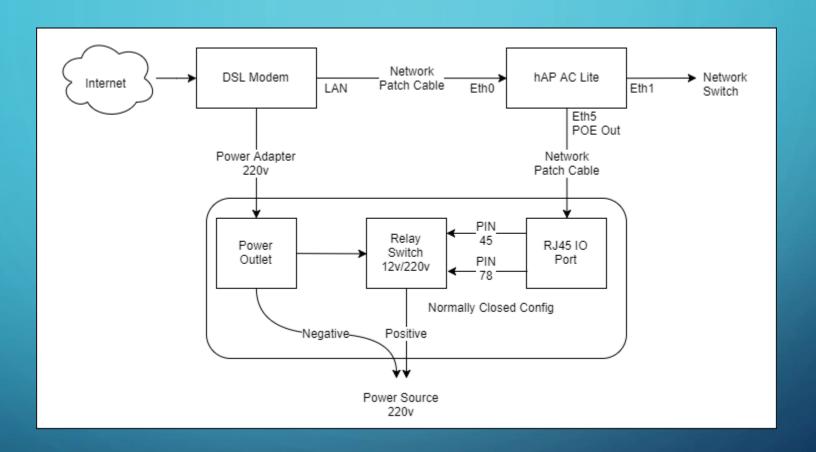
AC Female Outlet



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





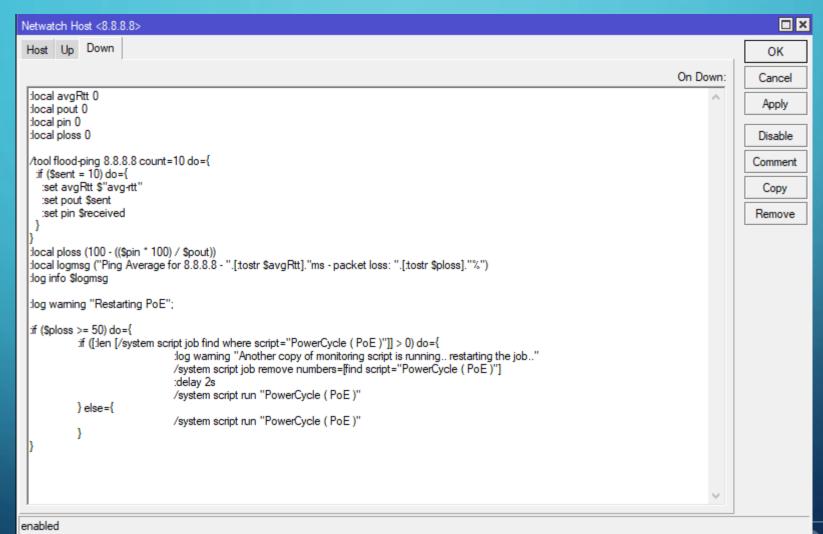


NETWATCH

Netwatch Host <8.8.8.8>					
Host U	p Down		ОК		
Host:	8.8.8.8		Cancel		
Interval:	00:01:00		Apply		
Timeout:	1000	ms	Disable		
Status:	down		Comment		
	Jan/02/1970 00:17:34		Сору		
			Remove		
enabled					



NETWATCH



KOMSPEC TECHNOLOGIES

SCRIPT

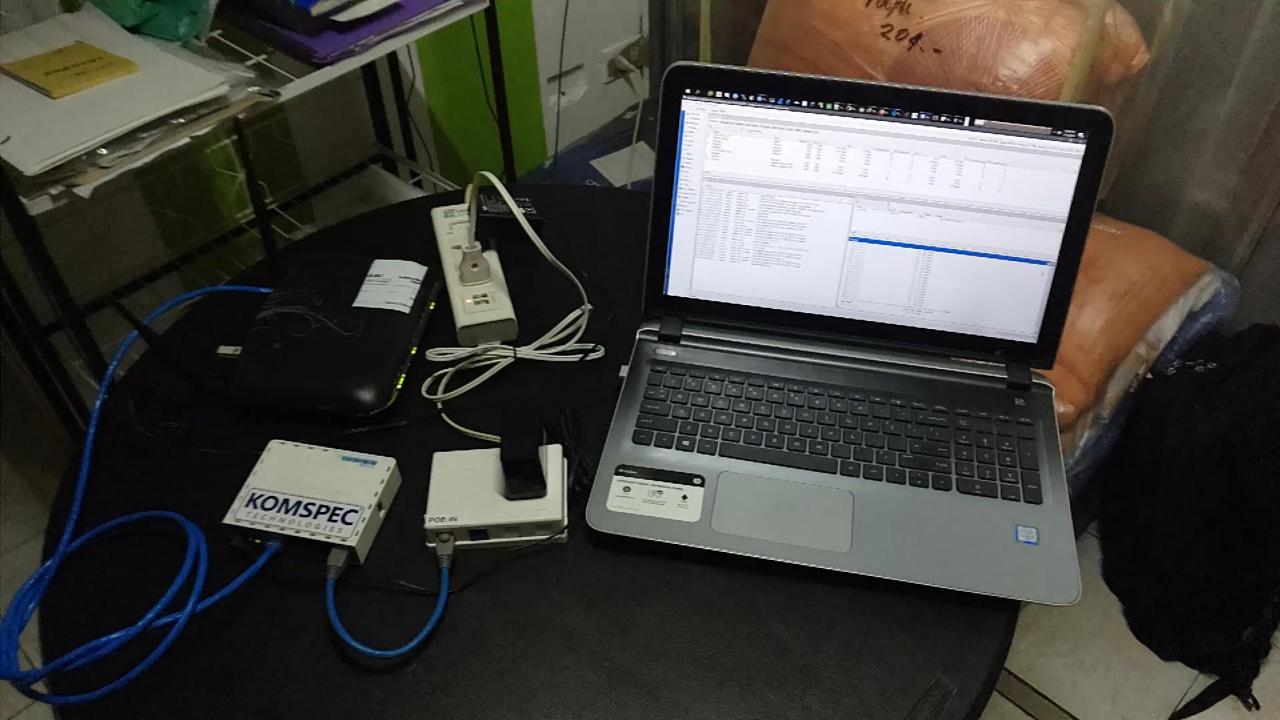
Script <powercycle (="")="" poe=""></powercycle>		□×
Name: PowerCycle (PoE)		OK
Owner: admin		Cancel
Policy: ✓ ftp ✓ reboot		Apply
rolicy. ☑ rip ☑ reboot ☑ read ☑ write		
✓ policy ✓ test		Comment
✓ password ✓ sniff		Сору
✓ sensitive ✓ romon		Remove
dude		Run Script
Last Time Started: Jan/02/1970 00:17:44		nuri script
Run Count: 4		
Sou	ırce:	
/log warning "Turning PoE to 'Forced On'"	^	
local PoeOut [/interface ethemet poe get value-name=poe-out number=ether5]		
if (\$PoeOut != "forced-on") do={ /interface ethemet poe set poe-out=forced-on numbers=ether5		
/log warning "Successfully Turned on waiting 5 seconds till turning it 'Off'"		
} else={ //og warning "PoE is already on Forced-On continuing to 5 seconds delay"		
}		
/log warning "check delay"		
delay 5s //og warning "check delay - end"		
/log warning "Turning PoE to 'Off'" /interface ethernet poe set poe-out=off numbers=ether5		
/log warning "Success! Script Exit"		
	V	
,		



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={
/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'";
/log warning "Success!... Script Exit'";
```





THANK YOU

ENJOY THE REST OF MUM PH 2018

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