

การประยุกต์ใช้งาน Mikrotik ร่วมกับ Line Notify

Lab ที่ 1 เช็ค WanIP (Check Wan IP) จะทำการแจ้งเตือนอุปกรณ์ว่าได้รับ IP และ Gateway ไหน

The screenshot shows the 'Script' configuration window in Mikrotik WinBox. The script is named 'check wan ip' and is owned by 'admin'. The policy settings include ftp, read, policy, password, sensitive, reboot, write, test, sniff, and sensitive. The last time started is 'Apr/07/2017 15:48:28' and the run count is '20'. The source code is as follows:

```
:global previousIP
:global inwanPrev
/tool fetch mode=http address="checkip.dyndns.org" src-path="/" dst-path="/dyndns.checkip.html"

:local result [/file get dyndns.checkip.html contents]
:local inWan [/ip address get [find interface="ether1"] address]
:local inWanIP [:pick $inWan 0 [find $inWan "/"]]
:local resultLen [:len $result]
:local startLoc [:find $result ": " -1]
:set startLoc ($startLoc + 2)
```

<script>

```
:global previousIP
```

```
:global inwanPrev
```

```
/tool fetch mode=http address="checkip.dyndns.org" src-path="/" dst-  
path="/dyndns.checkip.html"
```

```
:local result [/file get dyndns.checkip.html contents]
```

```
:local inWan [/ip address get [find interface="ether1"] address]
```

```
:local inWanIP [:pick $inWan 0 [find $inWan "/"]]
```

```
:local resultLen [:len $result]
```

```
:local startLoc [:find $result ": " -1]
```

```
:set startLoc ($startLoc + 2)
```

```
:local endLoc [:find $result "</body>" -1]
```

```

:local currentIP [:pick $result $startLoc $endLoc]
:log info "Current wan ip: currentIP = $currentIP"
:if (($currentIP != $previousIP ) && ($inWanIP != $inwanPrev)) do={
:set previousIP $currentIP
:set inwanPrev $inWanIP
/tool fetch
url="http://linenotify.com/notify.php\?token=iVV9bDrv3PxCMTSzxSp3HhVA5gV1NK640r0GJkK7yK
F&message=%0Agateway%3D$currentIP%0AInterfaceIP%3D$inWanIP" keep-result=no}
:delay 1
}

```

Check CPU

LAB ที่ 2 เช็ค CPU เมื่อค่าของ CPU Load มีค่าที่สูงขึ้น จะทำการแจ้งเตือน

The screenshot shows a window titled "Script <cpu>". It contains the following fields and controls:

- Name:** cpu
- Owner:** admin
- Policy:** A grid of checkboxes with the following checked items:
 - ftp, read, policy, password, sensitive
 - reboot, write, test, sniff
- Last Time Started:** Apr/04/2017 09:03:53
- Run Count:** 14
- Source:** A text area containing the following script code:


```

:global cpuload [/system resource get cpu-load]
:set cpuload [/system resource get cpu-load]
:while ($cpuload > 1) do={
:delay 60
/tool fetch url="http://linenotify.com/notify.php\?
token=iVV9bDrv3PxCMTSzxSp3HhVA5gV1NK640r0GJkK7yKF&message=cpu%20waming" keep-result=no}
      
```
- Buttons:** OK, Cancel, Apply, Comment, Copy, Remove, Run Script.

<script>

```
:global cpuload [/system resource get cpu-load]
```

```
:set cpuload [/system resource get cpu-load]
```

```
:while ($cpuload > 1) do={
```

```
:delay 60
```

```
/tool fetch
```

```
url="http://linenotify.com/notify.php\?token=iVV9bDrv3PxCMtSzxSp3HhVA5gV1NK640r0GJkK7yK
```

```
F&message=cpu%20warning" keep-result=no}
```

Check Interface Down

LAB ที่ 3 เช็คสถานะของ interface หากสถานะของ interface มีการ down จะทำการแจ้งเตือน

Script <interface_down>

Name:

Owner:

Policy:

| | |
|---|--|
| <input checked="" type="checkbox"/> ftp | <input checked="" type="checkbox"/> reboot |
| <input checked="" type="checkbox"/> read | <input checked="" type="checkbox"/> write |
| <input checked="" type="checkbox"/> policy | <input checked="" type="checkbox"/> test |
| <input checked="" type="checkbox"/> password | <input checked="" type="checkbox"/> sniff |
| <input checked="" type="checkbox"/> sensitive | |

Last Time Started:

Run Count:

Source:

```
if ([/interface get [find name="ether3"] running]=false) do={  
/tool fetch url="http://linenotify.com/notify.php\  
token=iVV9bDrv3PxCMtSzxSp3HhVA5gV1NK640r0GJkK7yKF&message=Interface%20ether3%20is%20down"  
keep-result=no}
```

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

<script>

```
:if ([/interface get [find name="ether3"] running]=false) do={
```

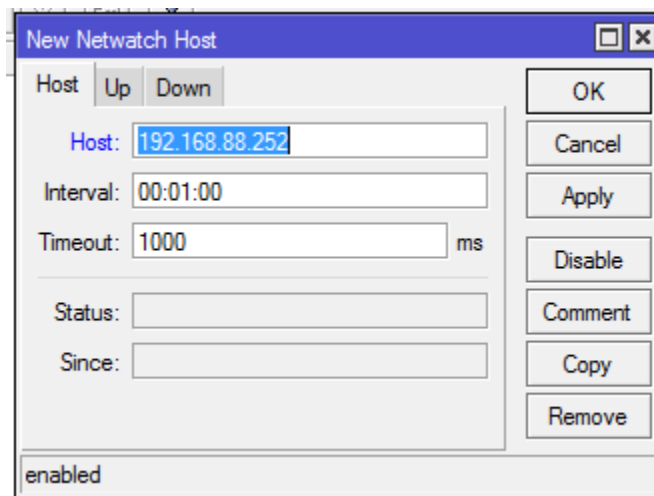
```
/tool fetch
```

```
url="http://linenotify.com/notify.php\?token=iVV9bDrv3PxCMtSzxSp3HhVA5gV1NK640r0GJkK7yK  
F&message=Interface%20ether3%20is%20down" keep-result=no}
```

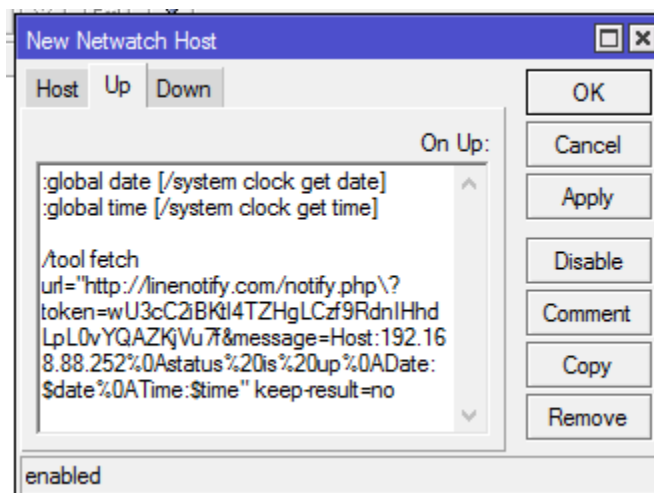
Netwatch

LAB ที่ 4 Monitor เครื่องลูกข่ายตาม IP ที่ต้องการเพื่อดูสถานะของลูกข่ายว่ามีการใช้งานอยู่หรือไม่

host



up



<script>

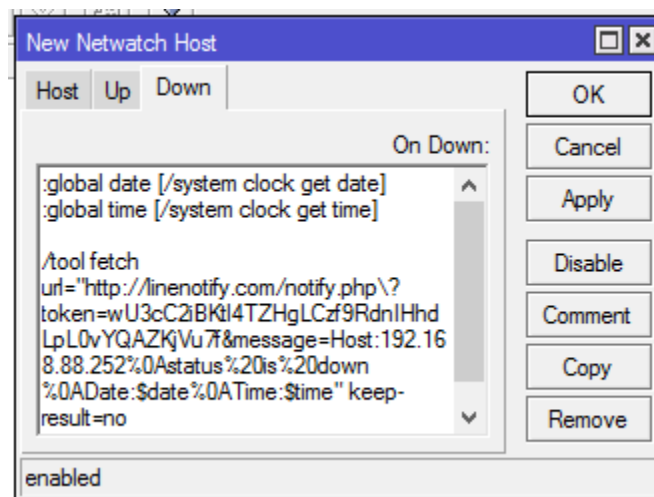
```
:global date [/system clock get date]
```

```
:global time [/system clock get time]
```

```
/tool fetch
```

```
url="http://linenotify.com/notify.php\?token=wU3cC2iBKtl4TZHgLCzf9RdnIHhdLpL0vYQAZKjVu7f  
&message=Host:192.168.88.252%0Astatus%20is%20up%0ADate:$date%0ATime:$time" keep-  
result=no
```

down



<script>

```
:global date [/system clock get date]
```

```
:global time [/system clock get time]
```

```
/tool fetch
```

```
url="http://linenotify.com/notify.php\?token=wU3cC2iBKtl4TZHgLCzf9RdnIHhdLpL0vYQAZKjVu7f  
&message=Host:192.168.88.252%0Astatus%20is%20down%0ADate:$date%0ATime:$time" keep-  
result=no
```