

How to notify/alert automatic to social network by using MikroTik Script



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*Witsanu Boonmakam (MTCNA)
(MikrotikThai.com, Thailand)*

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Get Data from Mikrotik

- SSH(command)
- MikroTik API
- MikroTik Script
- File FTP
- Log

MikroTik API



MikroTik Script



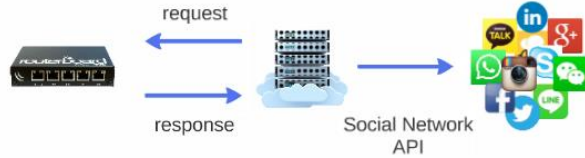
REST



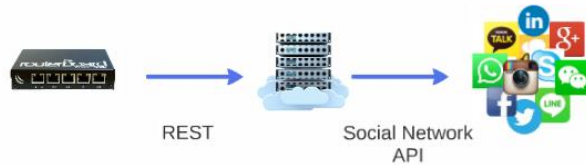
Social Network
API



MikroTik API



MikroTik Script



Compare Table

API	Script
require port forward	not require
2 way	1 way
TCP (Default 8728)	TCP (80,443)
security	no security
fast	faster



REST



Social Network
API

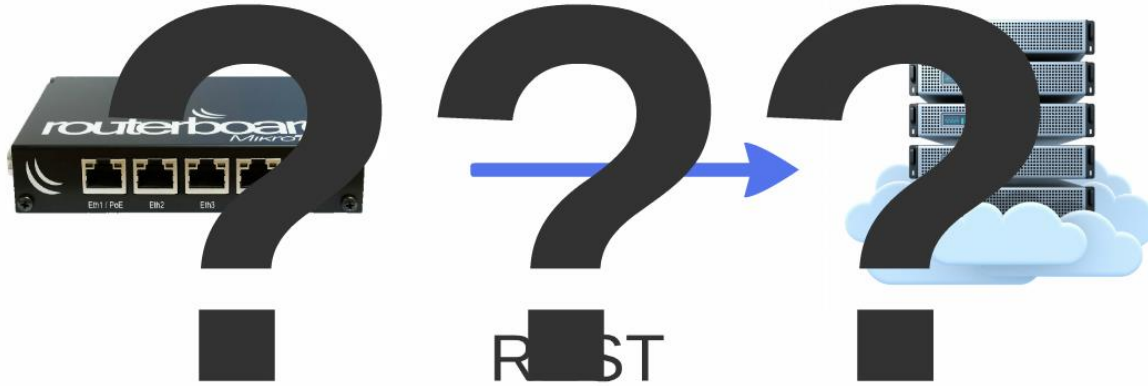


REST ?

REST ?

Representational State Transfer

REST is an architectural style, and an approach to communications that is often used in the development of Web services. Which typically runs over HTTP (Hypertext Transfer Protocol).



/tool fetch

/tool fetch

Fetch is one of the console tools in Mikrotik RouterOS. It is used to copy files from any network device to a Mikrotik router via HTTP or FTP.

In latest v5 versions it is possible also to upload files to remote locations.

Fetch now supports HTTPS protocol. By default no certificate checks are made, but setting check-certificate to yes enables trust chain validation from local certificate store.

The following example shows how to copy the file with filename "conf.rsc" from device with ip address 192.168.88.2 by FTP protocol and save it as file with filename "123.rsc". User and password are needed to login into the device.

```
[admin@mt-test] /tool> fetch address=192.168.88.2 src-path=conf.rsc \  
user=admin mode=ftp password=123 dst-path=123.rsc port=21 \  
host="" keep-result=yes
```

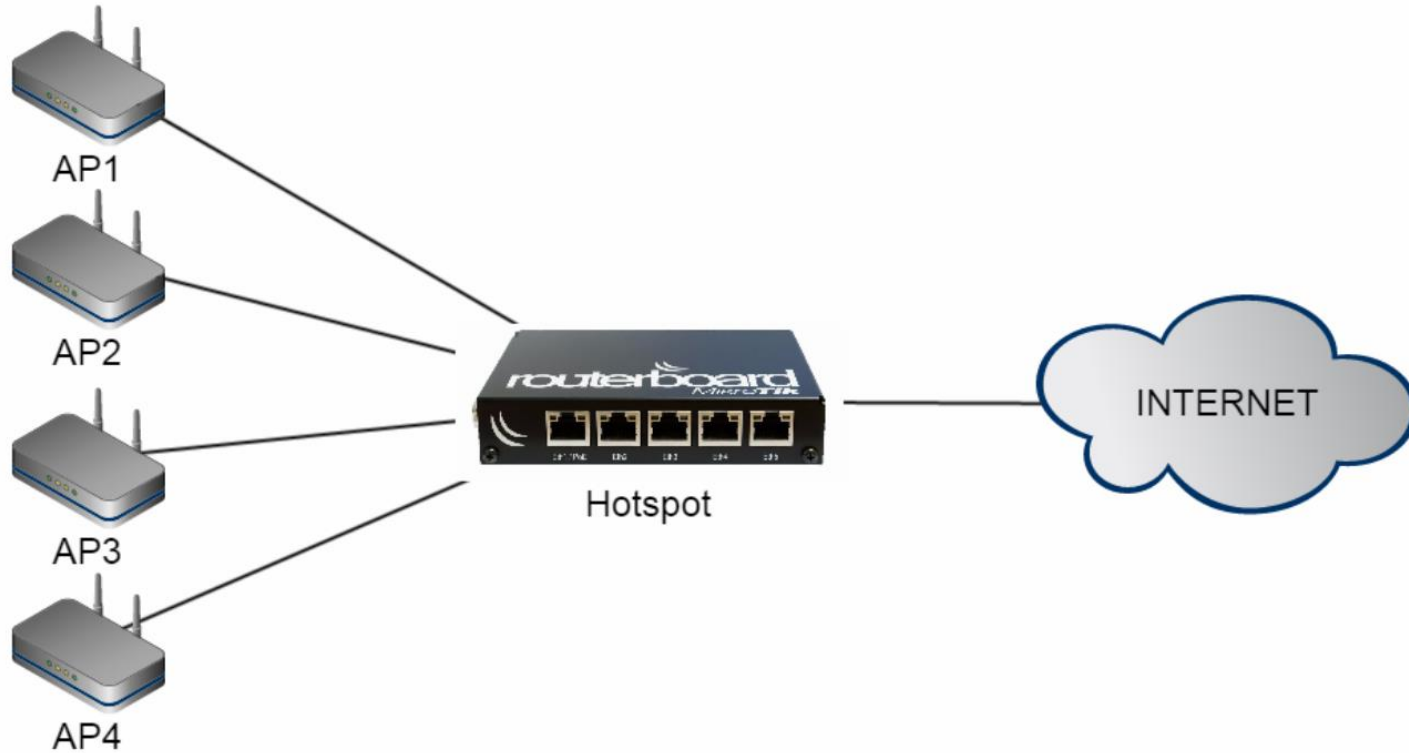
The following example shows how to copy the file with filename "conf.rsc" from device with ip address 192.168.88.2 by FTP protocol and save it as file with filename "123.rsc". User and password are needed to login into the device.

```
[admin@mt-test] /tool> fetch address=192.168.88.2 src-path=conf.rsc \  
user=admin mode=ftp password=123 dst-path=123.rsc port=21 \  
host="" keep-result=yes
```

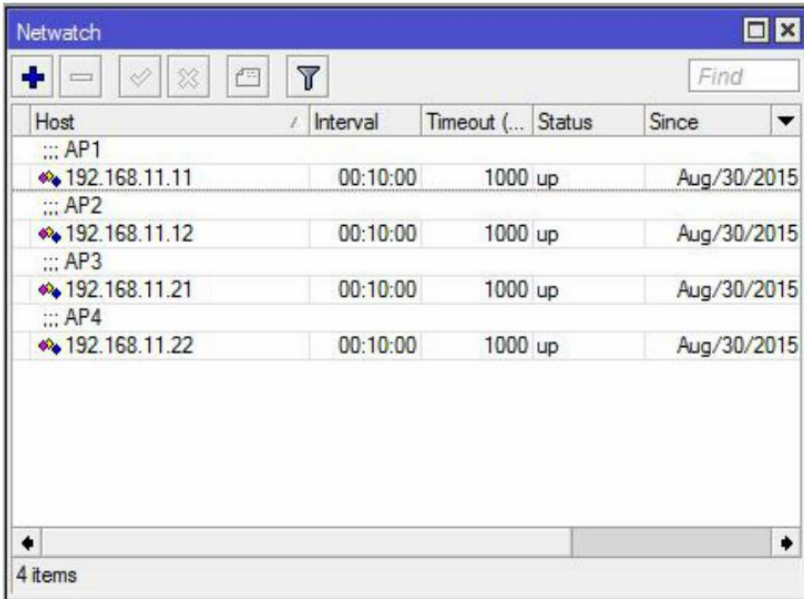
example that demonstrates the usage of url property.

```
[admin@test_host] /> /tool fetch url="http://www.mikrotik.com/img/netaddresses2.pdf"  
mode=http  
status: finished
```

Network Diagram



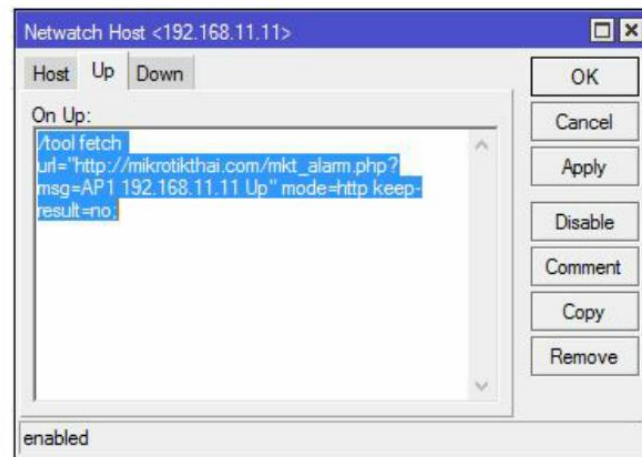
Netwatch



The screenshot shows the Netwatch application window with a table of monitored hosts. The table has columns for Host, Interval, Timeout, Status, and Since. There are four entries, all showing a status of 'up' as of August 30, 2015.

Host	Interval	Timeout (...)	Status	Since
... AP1 192.168.11.11	00:10:00	1000	up	Aug/30/2015
... AP2 192.168.11.12	00:10:00	1000	up	Aug/30/2015
... AP3 192.168.11.21	00:10:00	1000	up	Aug/30/2015
... AP4 192.168.11.22	00:10:00	1000	up	Aug/30/2015

4 items



The screenshot shows the configuration dialog for a specific host. The 'On Up' section is active, and the configuration text is highlighted in blue. The text specifies a fetch tool and a URL with a message parameter.

```
On Up:  
/tool fetch  
url="http://mikrotikthai.com/mkt_alarm.php?  
msg=AP 1 192.168.11.11 Up" mode=http keep-  
result=no
```

enabled

Buttons: OK, Cancel, Apply, Disable, Comment, Copy, Remove

Netwatch Script

On Up:

```
/tool fetch url="http://mikrotikthai.com/mkt_alarm.php?msg=AP1_192.168.11.11_Up" mode=http keep-result=no;
```

On Down:

```
/tool fetch url="http://mikrotikthai.com/mkt_alarm.php?msg=AP1_192.168.11.11_Down" mode=http keep-result=no;
```

Server Side Script *(Facebook API)*

```
<?php
require('facebook.php');
$acctoken = 'xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx';
$config = array(
    'appId' => 'xxxxxxxxxxxxxxxxxxxxxxxx',
    'secret' => 'xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx',
    'fileUpload' => false,
);
if(isset($_GET['msg']) && ($_GET['msg'] != ""))
{
    $fb = new Facebook($config);
    $params = array(
        "access_token" => $acctoken,
        "message" => $_GET['msg'],
    );
    try {
        $ret = $fb->api('/<fb_id>/feed', 'POST', $params);
        echo 'ok';
    } catch(Exception $e) {
        echo $e->getMessage();
    }
}
?>
```

Server Side Script *(Facebook API)*

```
<?php
require('facebook.php');
$acctoken = 'xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx';
$config = array(
    'appId' => 'xxxxxxxxxxxxxxxxxxxxxxxx',
    'secret' => 'xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx',
    'fileUpload' => false,
);
if(isset($_GET['msg']) && ($_GET['msg'] != ""))
{
    $fb = new Facebook($config);
    $params = array(
        "access_token" => $acctoken,
        "message" => $_GET['msg'],
    );
    try {
        $ret = $fb->api('/<fb_id>/feed', 'POST', $params);
        echo 'ok';
    } catch(Exception $e) {
        echo $e->getMessage();
    }
}
?>
```

Receive from Mikrotik

Send to Facebook



THANKS

FOR listening

www.mikrotikthai.com
mikrotikthai@gmail.com