

S小魚仔S Zabbix 3.2 善用 UserParameter 回傳 Windows PowerShell 值 (十)

my-fish-it.blogspot.com/2017/03/ss-zabbix-32-userparameter-windows.html

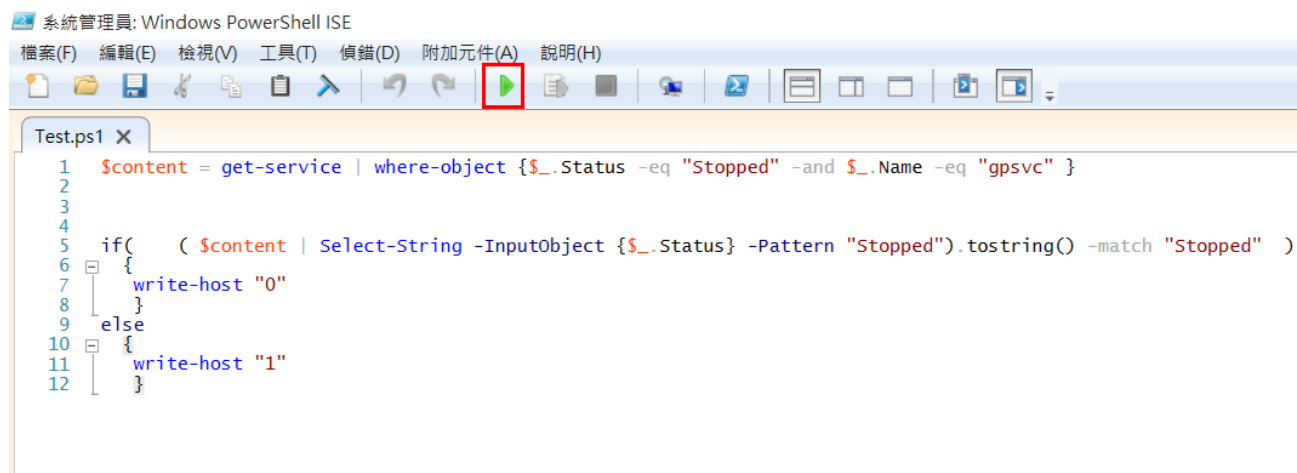
如何善用「Zabbix」UserParameter 回傳「Windows PowerShell」內容。

建立「Windows PowerShell」(C:\Tmp\Test.ps1)

判斷「Windows Servers」=>「gpsvc」是/否為「停止」

若 停止 顯示「0」

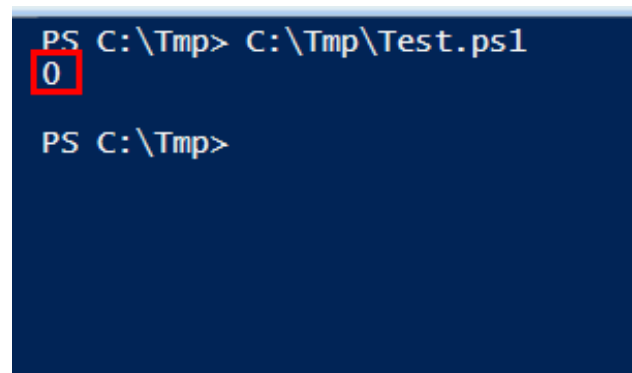
若 未停止 顯示「1」



```
1 $content = get-service | where-object {$_.Status -eq "Stopped" -and $_.Name -eq "gpsvc" }
2
3
4
5 if( ( $content | Select-String -InputObject {$_.Status} -Pattern "Stopped").toString() -match "Stopped" )
6 {
7     write-host "0"
8 }
9 else
10 {
11     write-host "1"
12 }
```

執行結果 如下圖所示

編輯「Zabbix Agent」Config 檔



```
PS C:\Tmp> C:\Tmp\Test.ps1
0
PS C:\Tmp>
```



EnableRemoteCommands=1

LogRemoteCommands=1

PS

允許「遠端」發送「命令」

```
#### Option: EnableRemoteCommands
#       Whether remote commands from Zabbix server are allowed.
#       0 - not allowed
#       1 - allowed
#
# Mandatory: no
# Default:
EnableRemoteCommands=1

#### Option: LogRemoteCommands
#       Enable logging of executed shell commands as warnings.
#       0 - disabled
#       1 - enabled
#
# Mandatory: no
# Default:
LogRemoteCommands=1
```

Server = 192.168.1.13 (被動式)

PS.

指向 **Zabbix Server IP**

```
#### Option: Server
#       List of comma delimited IP addresses (or hostnames) of Zabbix servers.
#       Incoming connections will be accepted only from the hosts listed here.
#       If IPv6 support is enabled then '127.0.0.1', '::127.0.0.1', '::ffff:127.0.0.1' are treated equally.
#
# Mandatory: no
# Default:
# Server=

Server=192.168.1.13
```

Server Active = 192.168.1.13 (主動式)

PS.

指向 Zabbix Server IP

```
##### Active checks related
```

```
### Option: ServerActive
```

```
# List of comma delimited IP:port (or hostname:port) pairs of Zabbix servers for active checks.
# If port is not specified, default port is used.
# IPv6 addresses must be enclosed in square brackets if port for that host is specified.
# If port is not specified, square brackets for IPv6 addresses are optional.
# If this parameter is not specified, active checks are disabled.
# Example: ServerActive=127.0.0.1:20051,zabbix.domain,[::1]:30051,::1,[12fc::1]
#
# Mandatory: no
# Default:
# ServerActive=
```

```
ServerActive=192.168.1.13
```

Hostname = Windows-10

PS.

指向 Windows Client Host Name

```
### Option: Hostname
```

```
# Unique, case sensitive hostname.
# Required for active checks and must match hostname as configured on the server.
# Value is acquired from HostnameItem if undefined.
#
# Mandatory: no
# Default:
# Hostname=
```

```
Hostname=Windows-10
```

UnsafeUserParameters=1

UserParameter=**test**,powershell.exe -file **C:\tmp\Test.ps1**

PS.

UnsafeUserParameters=1 ;啟用「參數傳遞」功能

UserParameter=**test**,powershell.exe -file **C:\tmp\Test.ps1** ;執行結果存入「**test**」參數

```

### Option: UnsafeUserParameters
# Allow all characters to be passed in arguments to user-defined parameters.
# The following characters are not allowed:
# \ ' " ` * ? [ ] { } ~ $ ! & ; ( ) < > | # @
# Additionally, newline characters are not allowed.
# 0 - do not allow
# 1 - allow
#
# Mandatory: no
# Range: 0-1
# Default:
# UnsafeUserParameters=0

### Option: UserParameter
# User-defined parameter to monitor. There can be several user-defined parameters.
# Format: UserParameter=<key>,<shell command>
#
# Mandatory: no
# Default:
UnsafeUserParameters=1
UserParameter=test,powershell.exe -file C:\tmp\Test.ps1

```

重新啟動「Zabbix Agent」 Services

```

net stop "Zabbix Agent"
net start "Zabbix Agent"

```

```

C:\Users\Administrator>net stop "Zabbix Agent"

Zabbix Agent 服務已經成功停止。

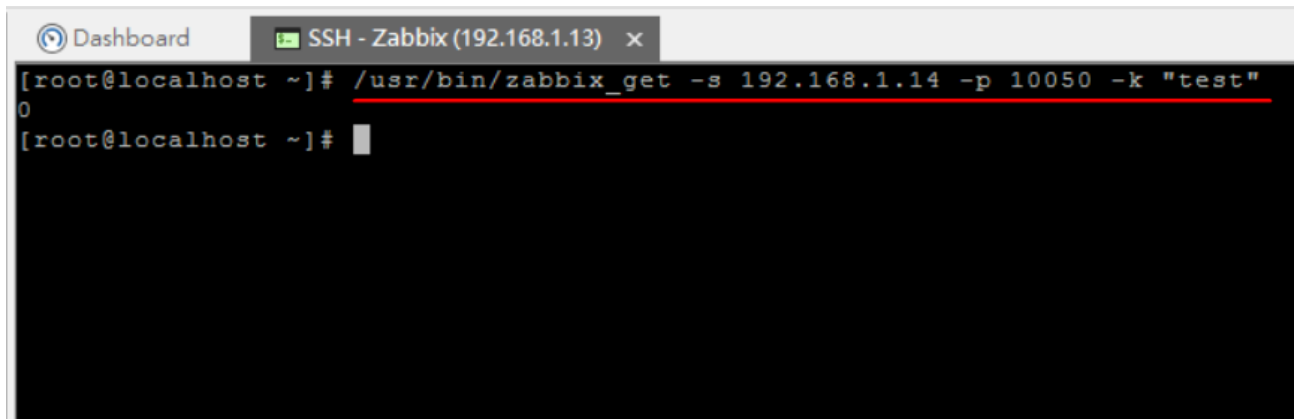
C:\Users\Administrator>net start "Zabbix Agent"

Zabbix Agent 服務已經啟動成功。

```

測試「Zabbix Server」接收「Zabbix Agent」參數「值」

```
/usr/bin/zabbix_get -s 192.168.1.14 -p 10050 -k "test"
```

A terminal window titled "SSH - Zabbix (192.168.1.13)" with a close button. The prompt is [root@localhost ~]#. The command /usr/bin/zabbix_get -s 192.168.1.14 -p 10050 -k "test" is entered and underlined in red. The output is 0. The prompt is [root@localhost ~]# followed by a cursor.

```
[root@localhost ~]# /usr/bin/zabbix_get -s 192.168.1.14 -p 10050 -k "test"
0
[root@localhost ~]#
```

接下來就是 設定「模版」(Template) => 「應用」(Application) => 「項目」(Item) => 「告警」(Tigger) => 「動作」(Action)

即可完成「監控」並「告警」觸發「E-mail」

參考資料

「杂谈」 - 「[Zabbix高级应用一、监控Exchange在线人数、服务状态](#)」

「杂谈」 - 「[Zabbix高级应用二、监控磁盘阵列、Exchange队列、DAG](#)」