WonderBox?????(command plug-in or method plug-in)

Wonderbox??

WonderBox ?????????????????????WonderBox????????????IP????????IP???????Port???????????????????(Internet)????????DropBox???NAS?

???IP???IP???????Port??????Plug&Play

- ?????????????????
- ??????????/?????????
- ??Streaming?????????????
- ??iPhone?iPad?Android???????
- ?????????????Windows, Mac, Linux
- ???????(plug-in)???WonderBox??

1. **??:**

??WonderBox??????, ???????(plug-in)???????

2. **??(plug-in)????:**

???????????

   1. ???

   (??/wbox ?WonderBox????)
   (1) ???????/wbox/conf/ ???
   (2) ??????json ??

2. ???

(??/wbox ?WonderBox????)

(1) ??????????????path ????????

?????????
(??/wbox ?WonderBox????)

???: hello_world.json

?????????/wbox/conf/hello_world.json

??????:

```
{

"module-plugin": [

{

"name": "/unet/hello_world.DiskUsage",

"path": "ext/hello_world/hello_world_disk_usage.sh",

"allow": [ "user", "admin" ],

"argument": "env",

"disable": 0

},

{

"name": "/unet/hello_world.ProcessInfo",

"path": "ext/hello_world/hello_world_process_info.sh",

"allow": [ "user", "admin" ],

"argument": "env",

"disable": 0

}

]

}
```

??????????

"name": "/unet/hello_world.ProcessInfo" ??????, ????/unet/?????.

"path": "ext/hello_world/hello_world_process_info.sh" ??????????????/wbox/ext/hello_world/
        hello_world_process_info.sh

"allow": ["user", "admin"] ????????????????????

"argument": "env" ????????????????

"disable": 0 ????????

????????????

/unet/hello_world.DiskUsage ?/unet/hello_world.ProcessInfo

???????????

/wbox/ext/hello_world/hello_world_disk_usage.sh ?

/wbox/ext/hello_world/hello_world_process_info.sh

(???chmod +x ???????????)

???????????????Shell Script :
/wbox/ext/hello_world/hello_world_disk_usage.sh =>??df??
#!/bin/bash

df
if ["$?" != "0"]; then

echo "'df' execute failed"

fi

/wbox/ext/hello_world/hello_world_process_info.sh =>??PS????????
#!/bin/bash

if ["$WBX_PARAM_KEYWORD" == ""]; then

echo "need parameter 'keyword'"

```
exit 1;

fi


ps -ef|grep ${WBX_PARAM_KEYWORD}

if [ "$?" != "0" ]; then

echo "'ps' execute failed"

fi
```

?????????: ??????????(curl??)???HTTP??????

???:????: (?wonderbox ????????????)

http://192.168.1.100:8101/unet/hello_world.DiskUsage

???:??tunnel??(wonderbox???????)

http://stwp26.cyberhood.net.tw/ucloud.a103089/unet/hello_world.DiskUsage

??????????????:

192.168.1.100 => ?Wonderbox???IP

8101 => Wonderbox?listen port??????conf.json ??

stwp26.cyberhood.net.tw => Wonderbox???tunnel server

103089 => ?WonderBox?Service ID

??, tunnel server ?????????Center (cloud.wonderbox.net.tw), ???
http://cloud.wonderbox.net.tw/_rpc/v...troller_alias=103089

(103089 ?Wonderbox?Service ID)

???:

```
0, "","",17856,9815,"cloud.wonderbox.net.tw"
33,"61.219.98.65","192.168.1.47","stwp26.cyberhood.net.tw"
tunnel server????????2???????
```

???? : (a) ??????1?????????0, ????????,

(b) ??????????????, ???????????, ???????????, ?????????????

3. **??(plug-in)?????**

Wonderbox ?????????admin, user, anonymous, ????:

(a) admin: Wonderbox ??????????, ????????????????????tunnel ???????

(b) user: ?wonderBox????->????->????(??WonderBox?????->User Accounts) ????????

(c) anonymous: ??????

???????**allow**?????????????????????????????**WBX_USER_ID**??????????

????1:

{

"name": "/unet/hello_world.DiskUsage",

"path": "ext/hello_world/hello_world_disk_usage.sh",

"allow": ["user", "admin"],

"argument": "env",

"disable": 0

}

????2:

{

"name": "/unet/hello_world.DiskUsage",

"path": "ext/hello_world/hello_world_disk_usage.sh",

"allow": ["admin"],

"argument": "env",

"disable": 0

}

????3:

{

"name": "/unet/hello_world.DiskUsage",

"path": "ext/hello_world/hello_world_disk_usage.sh",

"allow": ["admin", "user", "anonymous"],

"argument": "env",

"disable": 0

}

admin?????????????????

* ????????????????????????????tunnel??????

* ??????????????????????tunnel?????????

??????

* WonderBox????>???>Admin??

* WonderBox?????>Service>Admin Password

user??????????

http://cloud.wonderbox.net.tw/_rpc/v3/rpc.php?__dbid=0&__ver=2&__style=csv&__rpcname=SystemEx/
UserLogin3&&pop3_login=2&login_name=103089_myusername&login_passwd=mypasswd

(???? :)

103089?WonderService?Service ID

myusername?????

mypasswd?????

?????

0, "","",681,7226,"cloud.wonderbox.net.tw"

"DJGBHVEKFYQMTLDEAUFHCTBUA8ETCDAEDHEJHHE9D2"

?????? DJGBHVEKFYQMTLDEAUFHCTBUA8ETCDAEDHEJHHE9D2????(????????)

????????????u_str

http://stwp26.cyberhood.net.tw/
uclou...orld.DiskUsage?u_str=DJGBHVEKFYQMTLDEAUFHCTBUA8ETCDAEDHEJHHE9D2

????cookie ?????

4. ??(plug-in)???????????????

??????????????
?????(????????)

WBX_USER_ID=15

WBX_CLIENT_IP=192.168.1.33

WBX_NAME=/unet/hello_world.DiskUsage

WBX_SERVICE_HOME=/home/hmc

WBX_SERVICE_ID=103033

WBX_USER_ID?user's ID?0 ??admin?-1 ??anonymous

WBX_CLIENT_IP?client's IP

WBX_NAME?????

WBX_SERVICE_HOME?WonderBox?????

WBX_SERVICE_ID?WonderBox?Service ID

????????????????????

http://192.168.1.100:8001/unet/hello...ld.ProcessInfo?keyword=Wonder

??????????????WBX_PARAM_KEYWORD

???"WBX_PARAM_" + upper_case("keyword")

5. ??(plug-in)???????

"time-out": 30000

"argument": "json", (option)????"standard", "json"(??), "env"

"response": "text" (option)????"text"(??), "pass-through"

time-out????(millisecond)?0 ?????????60?(60000 millisecond)

argument?????????????"standard", "json"(??), "env"?

argument: "env" ??????????????

????????????????????????????????

argument: "json" ????stdin?json???????????????????


```
{
"user-id": 15,
"client-ip": "192.168.1.33",
"name": "/unet/hello_world.DiskUsage",
"service-home": "/home/hmc"
"service-id": 103033,
"parameters": {
"keyword": "Wonder",
"name2": "xxx",
"name3": "xxx"
}
}
```


argument: "standard" ?????????????????????"env"???????????

response????????"text"(??), "pass-through"

response: "text" ????(???)?????????????????client?

??client???????????????????

response: "pass-through" ?????????client?

??"pass-through" ????????HTTP header?????????????(?shell script??)?

echo "HTTP/1.1 200 OK"

echo "Content-Type: text/plain"

echo ""

?????WonderBox??(plug-in)????????(command plug-in or method plug-in)????????????????

* ????(event plug-in)

* ????(policy plug-in)

* ????

* ????

(??)......

???????????????...

??: www.wonderbox.net.tw
????: charkhsu@kinghood.com