

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=myspasswd

(???? :)

103089?WonderService?Service ID

myusername????

myspasswd????

????

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

"DJGBHVEKFYQMTLDEAUFHCTBUA8ETCDAEDHEJHHE9D2"

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

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

[http://stwp26.cyberhood.net.tw/
uclou...orld.DiskUsage?u_str=DJGBHVEKFYQMTLDEAUFHCTBUA8ETCDAEDHEJHHE9D2](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" ???stdi?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