

GO Version S3 Windows Environment Deployment Manual

1. Download

Go to the official Website for the official Download address:

<https://www.yottachain.io/>

Go to the top Menu, under Download(or Get Started):

Click“**GO_S3 Client-Windows**” to download

2. Install and Start

After downloading the folder and unzipping it:

- get the S3 folder
- open a command line window with administrator privileges
- enter the S3 folder from the command prompt opened
- execute the installation command `YTS3_Windows.exe install`

The result should be as shown below:

```
D:\yts3\GO_YTS3_Windows>YTS3_Windows.exe install
I: 10:47:17 Path:YTS3_Windows.exe
I: 10:47:17 Install OK.
```

```
D:\yts3\GO_YTS3_Windows>YTS3_Windows.exe start
I: 10:48:12 Path:YTS3_Windows.exe
I: 10:48:12 Start OK.
```

After a successful installation, execute the command:

“`YTS3_Windows.exe start`”

It will be possible to see the process of YTS3 running from: Task manager -> Services



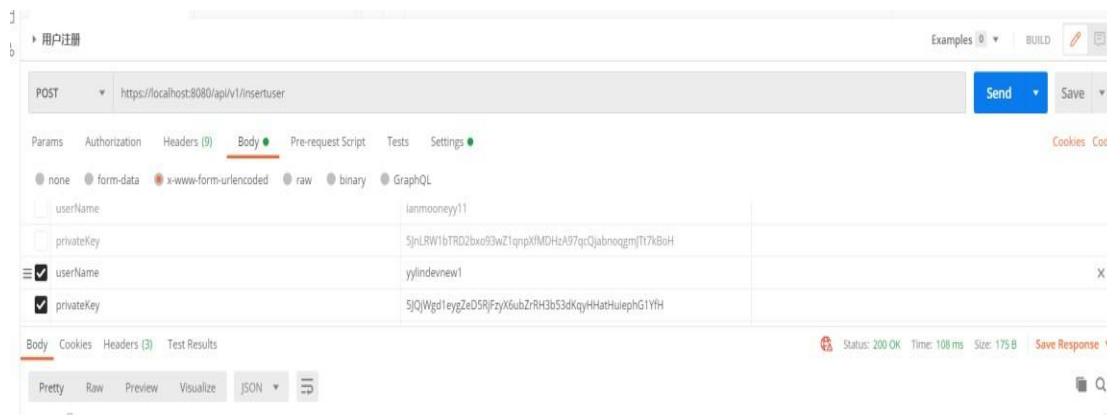
This means the process has been started successfully

3. Setting up the Connection

1. After a successful installation, S3 requires a registered account to connect to the tool.

In order to do this, use Postman to request the interface for the registration url*:

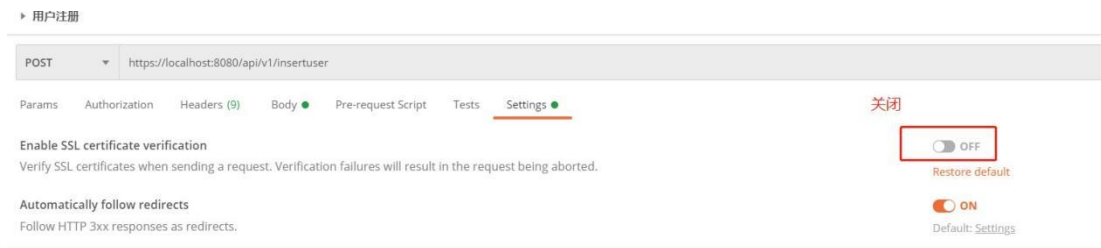
<https://localhost:8080/api/v1/insertuser>



*Note:

“Settings -> Enable SSL certificate verification”

Make sure it is OFF



When the User Registration is successful it should return the message:

“Status: Register Success testuserlyy1” (username which in this case: ‘testuserlyy1’)

This means the registration has been completed successfully.



2. After a successful registration download and setup S3 browser connection.

Click on:

“Account -> Add new account...”

Account Name: You can set it freely

Account Type: set to S3 Compatible Storage

REST Endpoint: set to s3 server ip (localhost:8083)

Signature Version: set to Signature V4

Access Key ID: set to Account Public Key

Secret Access Key: Set as the account secret key

Important!

Make sure SSL is checked at the bottom



Edit Account

[online help](#)

Edit account details and click Save changes

Account Name:

Assign any name to your account.

Account Type:

Choose the storage you want to work with. Default is Amazon S3 Storage.

REST Endpoint:

Specify S3-compatible API endpoint. It can be found in storage documentation. Example: rest.server.com:8080

Signature Version:

Choose the supported signature version. Default value is Signature V2.

Access Key ID:

Required to sign the requests you send to Amazon S3, see more details at <https://s3browser.com/keys>

Secret Access Key:

Required to sign the requests you send to Amazon S3, see more details at <https://s3browser.com/keys>

Encrypt Access Keys with a password:

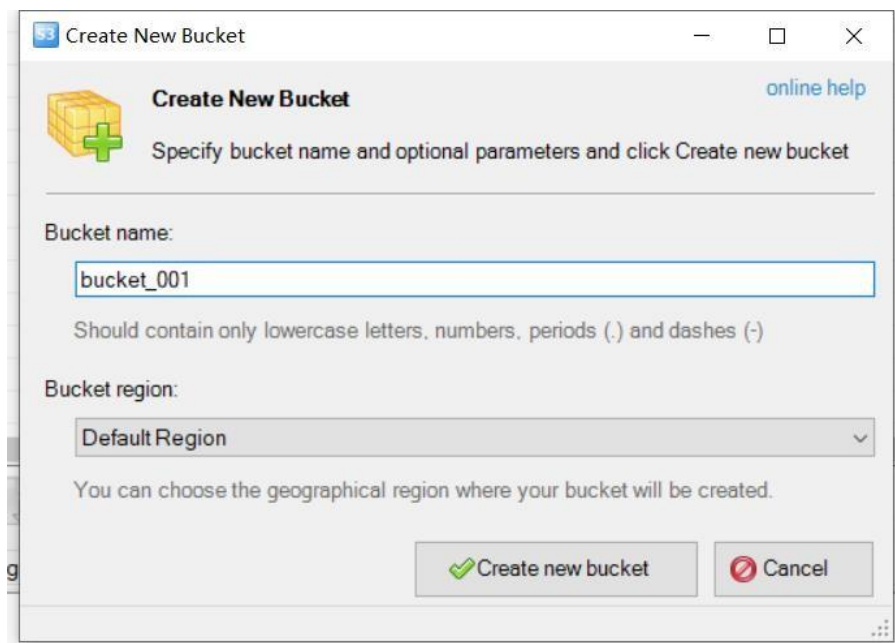
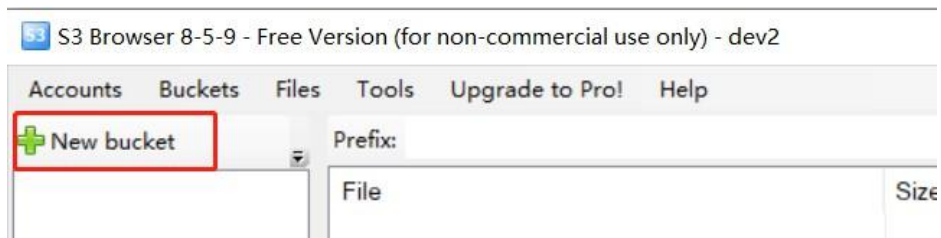
Turn this option on if you want to protect your Access Keys with a master password.

Use secure transfer (SSL/TLS)

If checked, all communications with the storage will go through encrypted SSL/TLS channel

[Click here to sign up for Amazon S3.](#)

3. After setting up the connection successfully, Create the bucket



You can upload files after the bucket creation has succeeded

Note:

- If the connection is disrupted, check again if the account has been registered successfully, and/or if the s3 browser connection settings have been filled in correctly
- If s3 browser closes and/or the service stops working during the upload process, you can restart the service and register the user again to continue the upload

4. Multi-User Instructions

For illustration purposes, the S3 service was installed and was started using a Linux server, and separate users were registered in the windows environment to connect to the server

and upload files

1. Start S3 service

1) Select a machine to install and start the service S3

```
[root@nm-yaceji02 bin]# ./yts3.sh install
YTFS_HOME:/mnt/G0_YTS3_Linux
I: 14:59:41 Path:./YTS3
I: 14:59:41 Install OK.
[root@nm-yaceji02 bin]# systemctl start yts3.service
```

2) Registering multiple users can then be done in two ways:

- i. Use the Command Line to register multiple users after installing the server on Linux

```
[root@localhost /]# curl -XPOST -k "https://localhost:8080/api/v1/insertuser?userName=yylind
evnew1&privateKey=5JQjWgd1eygZeD5RjFzyX6ubZrRH3b53dKqyHHatHuephG1YfH"
{"Msg":"Register success yylindevnew1","status":200}[root@localhost /]#
[root@localhost /]# curl -XPOST -k "https://localhost:8080/api/v1/insertuser?userName=testus
ernew3&privateKey=5HrjDv8NCeuAvSuVMMptfxQJxBMxqFHb3tjWPT8tZfuYVogRnua"
{"Msg":"Register success testusernew3","status":200}[root@localhost /]#
```

- ii. Register users on each of the two machines in the windows environment. The request interface IP is the S3 server IP.

User 1:

POST 用户注册 POST 上传


▶ 用户注册


POST https://117.161.72.93:8080/api/v1/insertuser

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL

| | KEY | VALUE | DESCRIPTION |
|-------------------------------------|------------|--|-------------|
| <input type="checkbox"/> | userName | testuserlyy1 | |
| <input type="checkbox"/> | privateKey | 5KeNbjgdYF2kHmHBG4w7eym7yKfZIU9p47Z4ZLjgdfxmkzK... | |
| <input checked="" type="checkbox"/> | userName | ianmooneyy11 | |

Body Cookies Headers (3) Test Results  Status: 200 OK T

Pretty Raw Preview Visualize JSON 

```
1 {
2   "Msg": "Register success ianmooneyy11",
3   "status": 200
4 }
```

User 2:

▶ 用户注册


The screenshot shows a REST client interface for a POST request to `https://117.161.72.93:8080/api/v1/insertuser`. The request body is configured as `x-www-form-urlencoded` and contains three form fields:


| KEY | VALUE | D |
|--|--|---|
| <input checked="" type="checkbox"/> userName | testuserlyy1 | |
| <input checked="" type="checkbox"/> privateKey | 5KeNbJgdYF2kHmHBG4w7eym7yKfZiU9p47Z4ZLjgdfxmkzK... | |
| <input type="checkbox"/> userName | ianmooneyy11 | |

Below the table, the 'Body' tab is active, showing a 'Pretty' view of the request body in JSON format. The JSON content is partially visible as `1 {`.

2. Configure the connection separately

The two windows servers are set up to connect separately, with the same settings as for a single user, filling in the S3 server IP and the corresponding secret key

 Edit Account — □ ×

 **Edit Account** [online help](#)

Edit account details and click Save changes

Account Name:

Assign any name to your account.

Account Type:

S3 Compatible Storage ▼

Choose the storage you want to work with. Default is Amazon S3 Storage.

REST Endpoint:

 S3服务器ip

Specify S3-compatible API endpoint. It can be found in storage documentation. Example: rest.server.com:8080

Signature Version:

Signature V2 ▼

Choose the supported signature version. Default value is Signature V2.

Access Key ID:

Required to sign the requests you send to Amazon S3, see more details at <https://s3browser.com/keys>

Secret Access Key:

Required to sign the requests you send to Amazon S3, see more details at <https://s3browser.com/keys>

You can now upload and download files with two users after the full successful setup, the same way as if it was a single user.