GO Version S3 Windows Environment Manual

1. Upload files

S3 Browser refers to Go version S3 Windows Environment Deployment Manual. After creating the bucket, click "Upload" and select Transfer files/folders.

w bucket	Prefix:				1 🗆 🦷
test	File	Size	Туре	Last Modified	Storage Class
rocksdb	1G12_2	1000.00 MB	File	2020/12/1 11:36:01	STANDARD
testa	1G12_1	1000.00 MB	File	2020/12/1 11:38:38	STANDARD
testyy	1G12_0	1000.00 MB	File	2020/12/1 11:38:38	STANDARD
testnew	200M_2	200.00 MB	File	2020/12/7 16:51:47	STANDARD
testo7	200M_0	200.00 MB	File	2020/12/7 16:51:47	STANDARD
testrocksdb	200M	200.00 MB	File	2020/12/7 16:51:49	STANDARD
test08	200M_1	200.00 MB	File	2020/12/7 16:51:49	STANDARD
XXXXX	eb500M.txt2	500.00 MB	TXT2 File	2020/12/7 17:13:14	STANDARD
test09	eb500M.txt1	500.00 MB	TXT1 File	2020/12/7 17:13:33	STANDARD
polly	eb500M.txt0	500.00 MB	TXT0 File	2020/12/7 17:13:39	STANDARD
test10	eb500M.txt4	500.00 MB	TXT4 File	2020/12/7 17:13:40	STANDARD
test11	eb500M.txt3	500.00 MB	TXT3 File	2020/12/7 17:13:40	STANDARD
testiz	fn500M.txt0	500.00 MB	TXT0 File	2020/12/7 18:43:31	STANDARD
neng-test		500.00 MB	TXT4 File	2020/12/7 18:43:51	STANDARD
polly 2020-11	Upload file(s)	500.00 MB	TXT2 File	2020/12/7 18:43:56	STANDARD
testreport		500.00 MB	TXT1 File	2020/12/7 18:43:56	STANDARD
2020-12-04	Upload folder(s)	500 00 V D	TUTO E1		071100100

Choose file to submit, Choose a 3G randomly generated file and a 1k file here:



The file starts uploading at 11:49:29

謝試文件.txt 2021/1/28 14:21 文本文档 1 KB http_3G_1 2021/1/28 11:37 文件 3,072,000 http_100_9 2021/1/27 17:02 文件 102,400 KB http_100_8 2021/1/27 17:02 文件 102,400 KB http_100_6 2021/1/27 17:02 文件 102,400 KB http_100_6 2021/1/27 17:02 文件 102,400 KB http_100_6 2021/1/27 17:02 文件 102,400 KB http_100_5 2021/1/27 17:02 文件 102,400 KB http_100_5 2021/1/27 17:02 文件 102,400 KB http_100_5 2021/1/27 17:02 文件 102,400 KB http_100_4 2021/1/27 17:02 文件 102,400 KB http_100_3 2021/1/27 17:02 文件 102,400 KB http_100_3 2021/1/27 17:02 文件 102,400 KB http_100_2 2021/1/27 17:02 文件 102,400 KB	名称	修改日期	类型	大小	
http_3G_1 2021/1/28 11:37 文件 3,072,000 http_100_9 2021/1/27 17:02 文件 102,400 KB http_100_8 2021/1/27 17:02 文件 102,400 KB http_100_7 2021/1/27 17:02 文件 102,400 KB http_100_6 2021/1/27 17:02 文件 102,400 KB http_100_6 2021/1/27 17:02 文件 102,400 KB http_100_5 2021/1/27 17:02 文件 102,400 KB http_100_5 2021/1/27 17:02 文件 102,400 KB http_100_4 2021/1/27 17:02 文件 102,400 KB http_100_3 2021/1/27 17:02 文件 102,400 KB http100 2 2021/1/27 17:02 文件 102,400 KB	测试文件.txt	2021/1/28 14:21	文本文档	1 KB	
□ http_100_9 2021/1/27 17:02 文件 102,400 KB □ http_100_8 2021/1/27 17:02 文件 102,400 KB □ http_100_7 2021/1/27 17:02 文件 102,400 KB □ http_100_6 2021/1/27 17:02 文件 102,400 KB □ http_100_6 2021/1/27 17:02 文件 102,400 KB □ http_100_5 2021/1/27 17:02 文件 102,400 KB □ http_100_4 2021/1/27 17:02 文件 102,400 KB □ http_100_3 2021/1/27 17:02 文件 102,400 KB □ http_100_3 2021/1/27 17:02 文件 102,400 KB	http_3G_1	2021/1/28 11:37	文件	3,072,000	
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□ http_100_7 2021/1/27 17:02 文件 102,400 KB □ http_100_6 2021/1/27 17:02 文件 102,400 KB □ http_100_5 2021/1/27 17:02 文件 102,400 KB □ http_100_4 2021/1/27 17:02 文件 102,400 KB □ http_100_3 2021/1/27 17:02 文件 102,400 KB □ http_100_3 2021/1/27 17:02 文件 102,400 KB □ http 100 2 2021/1/27 17:02 文件 102,400 KB	http_100_8	2021/1/27 17:02	文件	102,400 KB	
□ http_100_6 2021/1/27 17:02 文件 102,400 KB □ http_100_5 2021/1/27 17:02 文件 102,400 KB □ http_100_4 2021/1/27 17:02 文件 102,400 KB □ http_100_3 2021/1/27 17:02 文件 102,400 KB □ http_100_2 2021/1/27 17:02 文件 102,400 KB	http_100_7	2021/1/27 17:02	文件	102,400 KB	
□ http_100_5 2021/1/27 17:02 文件 102,400 KB □ http_100_4 2021/1/27 17:02 文件 102,400 KB □ http_100_3 2021/1/27 17:02 文件 102,400 KB □ http_100_2 2021/1/27 17:02 文件 102,400 KB	http_100_6	2021/1/27 17:02	文件	102,400 KB	
□ http_100_4 2021/1/27 17:02 文件 102,400 KB □ http_100_3 2021/1/27 17:02 文件 102,400 KB □ http 100 2 2021/1/27 17:02 文件 102,400 KB	http_100_5	2021/1/27 17:02	文件	102,400 KB	
□ http_100_3 2021/1/27 17:02 文件 102,400 KB □ http 100 2 2021/1/27 17:02 文件 102 400 KB	http_100_4	2021/1/27 17:02	文件	102,400 KB	
□ http 100 2 2021/1/27 17:02 文件 102 400 KB	http_100_3	2021/1/27 17:02	文件	102,400 KB	
	http 100 2	2021/1/27 17:02	文件	102 400 KR	

[11:49:28.321][Debug]maddr_support_HTTP
[11:49:28.448][Infos][PreAllocNode]Return 670 nodes,Excludes 0 nodes.
[11:49:29.120][Infos]complete multipart upload test1 http_36_1 1
[11:49:29.172][Infos]0[11:49:42.170][Infos][UploadMultiPartFile]test1/http_3G_1,Insert cache ok
[11:49:42.170][Infos]upload hash etag:"6c676953ae99803423a47ab53f40c8e5"
[11:49:42.170][Infos]File upload success,file md5 value : 6c676953ae99803423a47ab53f40c8e5
[11:49:42.176][Infos]LIST_BUCKET
[11:49:42_176][Infos]bucketname:test1

The file can be viewed in the bucket, indicating that the upload is successful.

Check the log, the upload time is 12:18:09

	[12:18:09.210][Infos][UploadShard][60123462329f84d77df11b6e][1464][145]SendShard:RETURN OK 0,4tuVPQnBSJq8
	[12:18:09.210][Infos][UploadBlock][60123462329f84d77df11b6e][1464]Upload block OK, shardcount 164/164, take
	[12:18:09.210][Debug]maddr support HTTP
	[12:18:09.275][Infos][UploadBlock][60123462329f84d77df11b6e][1464]Write shardmetas OK,take times 65 ms.
	[12:18:09.276][Debug]maddr support HTTP
	[12:18:09.327][Infos][UploadObject][60123462329f84d77df11b6e]Upload object OK.
	[12:18:09.336][Debug]maddr support HTTP
	[12:18:09.364][Infos][CreateObject][39]test1/http_3G_1 OK.
	[12:18:09.364][Infos][AyncUpload]WriteMeta OK,test1/http_36_1
	[12:19:13.334][Debug]maddr support HTTP
	<pre>[12:19:13.479][Infos][PreAllocNode]Return 678 nodes,Excludes 0 nodes.</pre>
	[12:20:58.335][Debug]maddr support HTTP
_	[11:10:00 451][Tefec][Deck]]echode]Deturn 651 redes Evolutes A redes

According to the upload time, we calculated the upload speed to be 1.74M/s

2. Download files

Select the file in the bucket to download

ew bucket	Prefix:				/ 🗆 🖗
test	File	Size	Туре	Last Modified	Storage Class
rocksdb	■测试文件.txt	16 bytes	TXT File	2020/12/14 15:23:32	STANDARD
esta	de5M.txt487	5.00 MB	TXT487 File	2020/12/11 11:06:02	STANDARD
testyy	de5M.txt417	5.00 MB	TXT417 File	2020/12/11 11:06:02	STANDARD
testlew	de5M.txt344	5.00 MB	TXT344 File	2020/12/11 11:06:02	STANDARD
test-7	de5M.txt249	5.00 MB	TXT249 File	2020/12/11 11:06:02	STANDARD
testrocksdb	de5M.txt237	5.00 MB	TXT237 File	2020/12/11 11:06:01	STANDARD
test08	de5M.txt163	5.00 MB	TXT163 File	2020/12/11 11:06:01	STANDARD
XXXX	. de5M.txt462	5.00 MB	TXT462 File	2020/12/11 11:06:01	STANDARD
test09	: de5M.txt168	5.00 MB	TXT168 File	2020/12/11 11:06:01	STANDARD
polly	de5M.txt446	5.00 MB	TXT446 File	2020/12/11 11:06:00	STANDARD
test10	de5M.txt495	5.00 MB	TXT495 File	2020/12/11 11:06:00	STANDARD
test11	de5M.txt247	5.00 MB	TXT247 File	2020/12/11 11:06:00	STANDARD
tostana	de5M.txt211	5.00 MB	TXT211 File	2020/12/11 11:05:59	STANDARD
neng-test	de5M.txt464	5.00 MB	TXT464 File	2020/12/11 11:05:59	STANDARD
polly.2020-11	de5M.txt36	5.00 MB	TXT36 File	2020/12/11 11:05:59	STANDARD
testreport	de5M.txt342	5.00 MB	TXT342 File	2020/12/11 11:05:59	STANDARD
2020-12-04	C	5 00 1 10			
		~ ~			101 4461 1 1

Download is successful Because windows random files cannot be compared, check the 1k small file,

which is consistent with the original file content

 测试文件.txt - 记事本

 文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

 测试文件1111

3. Multi-user upload files

The multi-user connection refers to the multi-user configuration in the "GO Version S3 Windows Environment Deployment Manual". After two clients' windows are configured separately, select the files to upload at the same time.

1. User 1: select upload file <test user 1>

S3 Browser 8-5-9 - Free Version (for non-commercial use only) - dev2

test File	Size	Т
rocksdb 28yy2G_0	1.95 GB	F
testa ub1G_2	1000.00 MB	F
testyy ub1G_1	1000.00 MB	F
testfew ub1G_3	1000.00 MB	F
test-7ub1G_0	1000.00 MB	F
testrocksdbub1G_4	1000.00 MB	F
test08 dk1G_2	1000.00 MB	F
🔁 xxxx . 📄 dk1G_3	1000.00 MB	F
test09	1000.00 MB	F
polly dk1G_0	1000.00 MB	F
dk1G_4	1000.00 MB	F
hb500M_2	500.00 MB	F
hb500M_3	500.00 MB	F
peng-test	500.00 MB	F
polly.2020-11	1.95 GB	Т
testreport	1.95 GB	Т
	folder(s)	-
Upload +	Download Delete Delete New Folder	R

^	名称	~	修改日期	类型
] 测试用户1		2020/12/28 17:49	文件
	28yy2G_00		2020/12/28 17:38	文件
	28yy2G_0		2020/12/28 16:36	文件
	📄 1k测试.txt		2020/12/14 16:11	文本文
	rand-write-windows.exe		2020/1/14 14:57	应用和
~	٢			>
件名	K(N): 测试用户1			~
		ŧ	7开(0) 取	消

2. User 2: select upload file <test user 2>

8-5-9 - Free Ve	ersion (for non-co
e to Pro! Help	
1	
Siz yy2G_00 1.9	te Typ 5 GB File
Upload file(s) Upload folder(s	s)
Upload -	ownload Dele
/14 14:3/ 赵州唐片	P 2,309 ND
1/4 9:33 应用程序	养 2,752 KB
	×
	打开(

3. After the two files are selected for upload. The log shows that the file is being written into the cache:



4. When the upload is complete, the log is displayed as:

[18:18:32.746][Intos][UploadBlock][5te9at4dbe8e61239t896e24][999]Upload block OK,shardcount 164/164,take tir
[18:18:32.797][Infos][UploadBlock][5fe9af4dbe8e61239f896e24][998]Write shardmetas OK,take times 56 ms.
[18:18:32.822][Infos][UploadBlock][5fe9af4dbe8e61239f896e24][999]Write shardmetas OK,take times 74 ms.
[18:18:33.044][Infos][UploadObject][5fe9af4dbe8e61239f896e24]Upload object OK.
[18:18:33.085][Infos][Create0bject][8]test12/测试用户1 OK.
[18:18:33.085][Infos][AyncUpload]WriteMeta OK,test12/测试用户1
[18:19:51.536][Infos]complete multipart upload testyy12 测试用户2 1
[18:19:51.543][Infos]0[18:20:07.612][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
[18:20:21.326][Infos][UploadMultiPartFile]testyy12/测试用户2,Insert cache ok
[18:20:21.327][Infos]upload hash etag:"f2afd6d18fd495c8cba07fc41d31c106"

	[18:25:43.880][Infos][UploadShard][5fe9b10ebe8e61239f896e25][997][153]SendShard:RET
1	[18:25:43.880][Infos][UploadBlock][5fe9b10ebe8e61239f896e25][997]Upload block 0K,sh
1	[18:25:43.888][Infos][UploadBlock][5fe9b10ebe8e61239f896e25][999]Write shardmetas (
l	[18:25:43.934][Infos][UploadBlock][5fe9b10ebe8e61239f896e25][997]Write shardmetas (
	<pre>[18:25:44.189][Infos][UploadObject][5fe9b10ebe8e61239f896e25]Upload object OK.</pre>
	[18:25:44.227][Infos][CreateObject][5]testyy12/测试用户2_0K.
	[18:25:44.228][Infos][AyncUpload]WriteMeta 0K,testyy12/测试用户2
1	[18:27:07.647][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
	<pre>[18:28:52.646][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.</pre>

5. Check S3browser to view the successfully uploaded files

Accounts Buckets File	s Tools Upgrade to Pro! Help		
🐈 New bucket	Prefix:		
test	File	Size	Туре
🗾 rocksdb	□测试用户1	1.95 GB	File
testa	28yy2G_0	1.95 GB	File

Accounts	Buckets	Files	Tools	Upgrade to Pro!	Help	
🕂 New bud	ket 💥 De	lete buc	ket	Path: /		
test				File	Size	Туре
- 🛑 testa	Э			🦳 测试用户2	1.95 GB	File
testo	gwj est			28yy2G_00	1.95 GB	File

According to the upload time of the two, we calculated the upload speed to be 1.25M/s and 1M/s respectively

4. Offline coding

 Modify the s3 configuration file GO_YTS3_Windows\conf\ytfs.properties, and add configuration: The #cache parameter specifies the local nas directory, just specify a common directory in the test environment, such as: /mnt/nas cache=/mnt/nas #Back-end driver is designated as nas driver=nas After starting the s3 service, select the file to upload. After the upload is complete, the file cannot be viewed in the bucket. The log shows that the upload is completed and divided into blocks:

[10:49:56.505][Infos]LIST BUCKET
[10:49:56.505][Infos]bucketname:test12
[10:49:56.505][Infos]prefix :prefix:""
[10:49:56.505][Infos]page :{Marker: HasMarker:false MaxKeys:1000}
[10:49:56.683][Infos][UploadObjectToDisk][test12/50k_yy]Write Block 1:no-repeat
[10:49:56.683][Infos][UploadObjectToDisk][test12/50k_yy2]Write Block 1:no-repeat
[10:49:56.683][Infos][ListObject][8]test12///0000000000000000000000000000000000
[10:49:56.683][Infos]items len 857
[10:49:56.691][Infos][UploadObjectToDisk][test12/50k_yy]Upload object OK.
[10:49:56.696][Infos][UploadObjectToDisk][test12/50k_yy2]Upload object OK.
[10:49:56.804][Infos][UploadObjectToDisk][test12/50k_yy1]Write Block 1:no-repeat
[10:49:56.814][Infos][UploadObjectToDisk][test12/50k_yy1]Upload object OK.
[10:50:29.713][Infos][PreAllocNode]Return 58 nodes,Excludes 0 nodes.

2.Modify the s3 configuration file GO_YTS3_Windows\conf\ytfs.properties, and add configuration: #Synchronize the pre-encoded files of the local nas to yotta. By checking the properties in the file, under the property "s3cache=...', it is possible to find the "syncmode=..." property. If the "syncmode=0" means not to start, if it's "syncmode=1" it means that the corresponding NAS file should be deleted after uploading.

After restarting the service, there is no need to log in as a user. After s3 detects that the startSync parameter>0, it will start file synchronization, and the upload is completed as viewed in the log.

[11:00:37:03][INTO][0][00]0000100x][31000030030171013203[[0]0]0000 0100x 0x, 0x, 0x, 0x, 0x, 0x, 0x, 0x, 0x,
[11:00.35.899][Infos][UptadJinatu][5fd826d2093817f2ff51a91][0][12]Jendalinatu.com/ok/0y/org/nov/ox/22][ck.5an (0) 5jdectoken (etc) y 1 [11:00.35.899][Infos][UptadJinatu][5fd826d2093817f2ff51a91][0][UbtadJinatu.com/ok/0y/org/nov/ox/22][ck.5an (0) 5jdectoken (etc) y 1
[11:00:35.991][Infos][UploadBlock][5fd826d2083817f2f6f51a90][0]Write shardmetas OK,take times 93 ms.
[11:00:35.991][Infos][UploadBlock][5fd826d2083817f2f6f51a91][0]Write shardmetas OK,take times 91 ms.
[11:00:36.138][Infos][UploadBlock][5fd826d3083817f2f6f51a92][0]Write shardmetas OK,take times 238 ms.
[11:00:36.190][Infos][SyncUpload][5fd826d2083817f2f6f51a91]Upload object OK.
[11:00:36.258][Infos][CreateObject][8]test12/50k_yy OK.
[11:00:36.268][Infos][SyncUpload][ObjectID("5fd826d2083817f2f6f51a91")]WriteMeta 0K,test12/50k_yy
[11:00:36.433][Infos][SyncUpload][5fd826d2083817f2f6f51a90]Upload object OK.
[11:00:36.486][Infos][CreateObject][8]test12/50k_yy2 OK.
[11:00:36.486][Infos][SyncUpload][ObjectID("5fd826d2083817f2f6f51a90")]WriteMeta OK,test12/50k_yy2
[11:00:36.579][Infos][SyncUpload][5fd826d3083817f2f6f51a92]Upload object OK.
[11:00:36.641][Infos][CreateObject][8]test12/50k_yy1 OK.
[11:00:36.641][Infos][SyncUpload][ObjectID("5fd826d3083817f2f6f51a92")]WriteMeta OK,test12/50k_yy1

3. Modify the s3 configuration file GO_YTS3_Windows\conf\ytfs.properties, modify the configuration: syncmode=0

After restarting the s3 service, log in to the user and check the bucket list to see the offline encoded files

Prefix:				1 🗆 🖗
File	Size	Туре	Last Modified	Storage Class
50k_yy	50.00 KB	File	2020/12/15 11:00:36	STANDARD
50k_yy1	50.00 KB	File	2020/12/15 11:00:36	STANDARD
50k_yy2	50.00 KB	File	2020/12/15 11:00:36	STANDARD
vh20k.txt14	20.00 KB	TXT14 File	2020/12/14 18:55:23	STANDARD
	20.00 KB	TYTO Ello	2020/12/14 10-EE-22	CTANDADD

4. Download the file, and compare the content of the file to be consistent