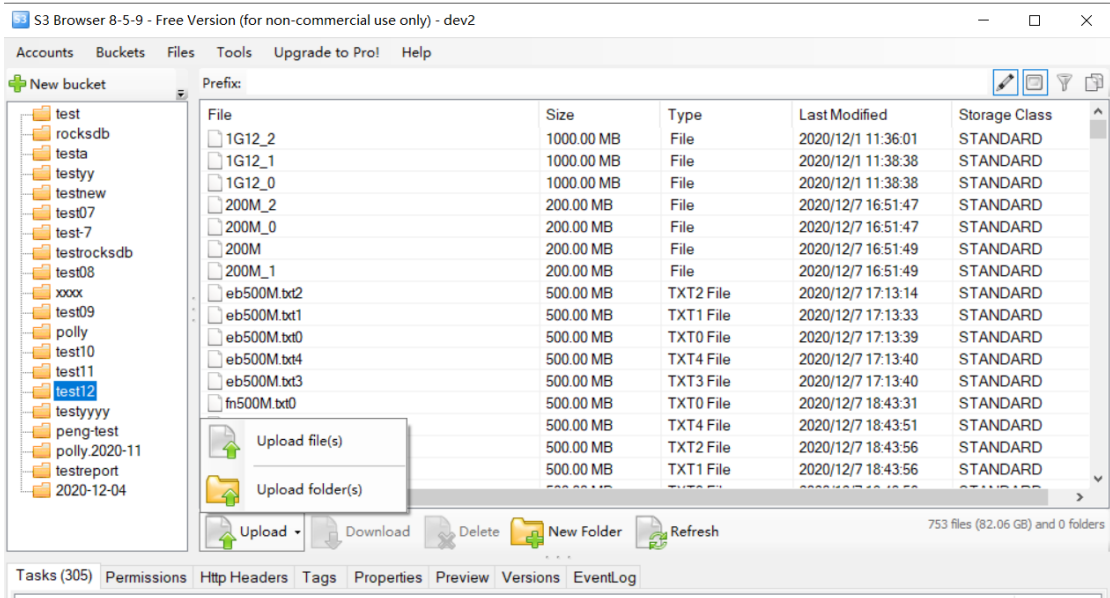


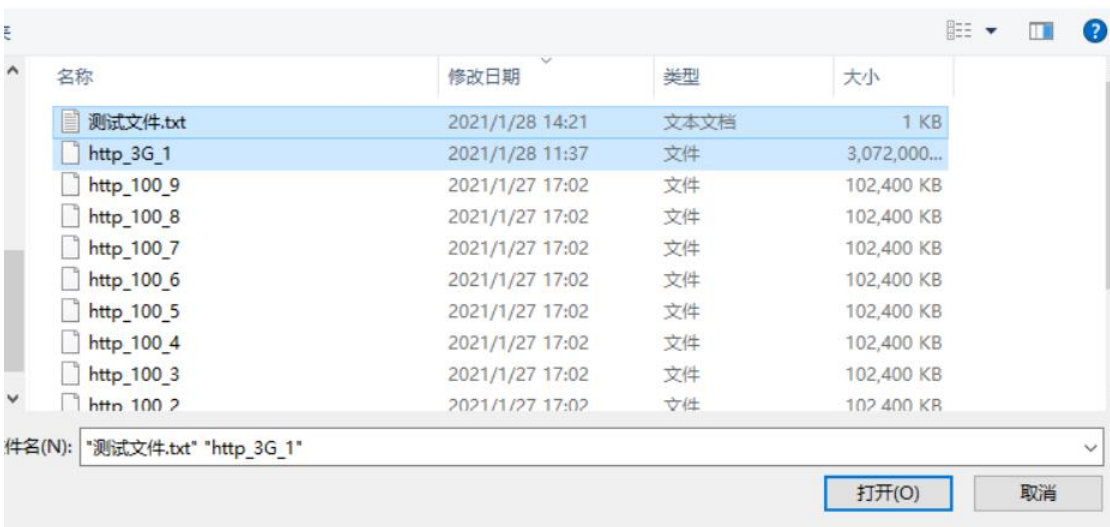
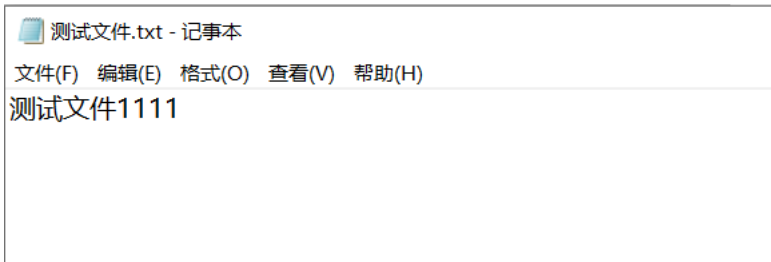
# GO 版本 s3 windows 环境使用手册

## 一、 上传文件

S3browser 连接参考《GO 版本 S3 windows 环境部署手册》，创建 bucket 后点击“upload”，选择上传文件/文件夹。



选择文件提交，这里选择一个 3G 随机生成的文件和一个 1k 的文件。



文件开始上传，时间为 11:49:29

```
[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_3G_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
```

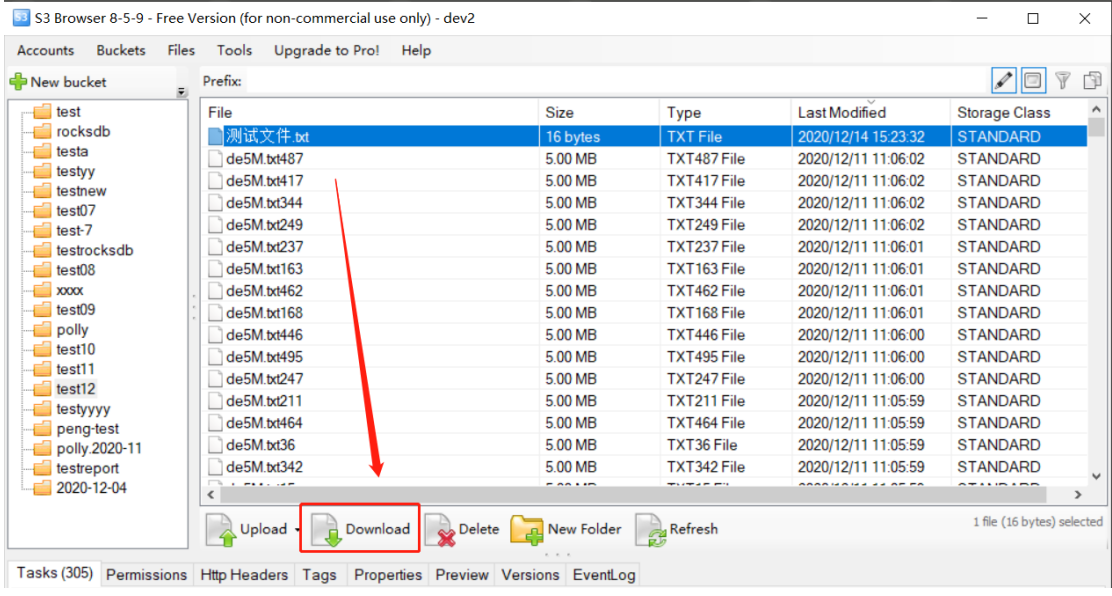
Bucket 内能查看到文件，说明上传成功。查看日志，上传成功时间为 12:18:09

```
[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_3G_1
[12:19:13.334][Debug]maddr support HTTP
[12:19:13.479][Infos][PreAllocNode]Return 678 nodes,Excludes 0 nodes.
[12:20:58.335][Debug]maddr support HTTP
[12:20:58.453][Infos][PreAllocNode]Return 662 nodes,Excludes 0 nodes
```

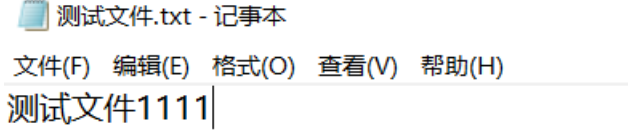
根据上传时间，我们计算出的上传速度为 1.74M/s。

## 二、 下载文件

选择 bucket 里的文件进行下载



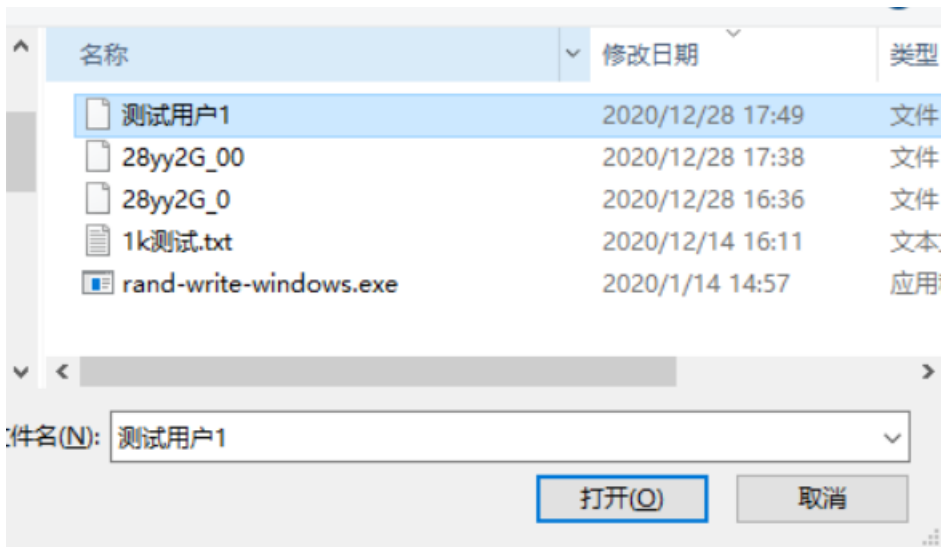
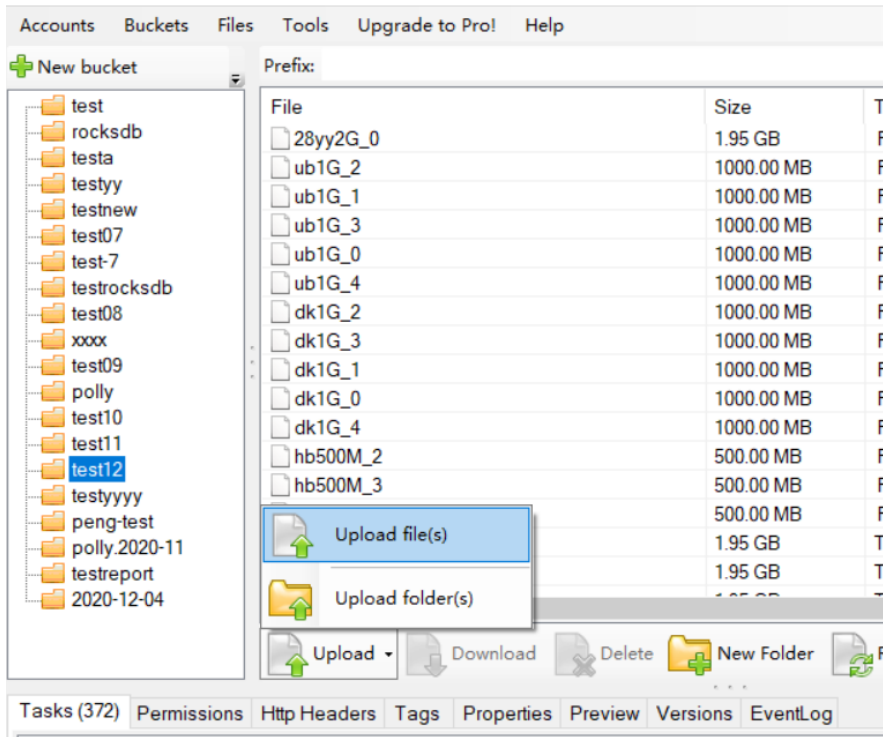
下载成功由于 windows 随机文件无法比对，查看 1k 的小文件，与原文件内容一致。



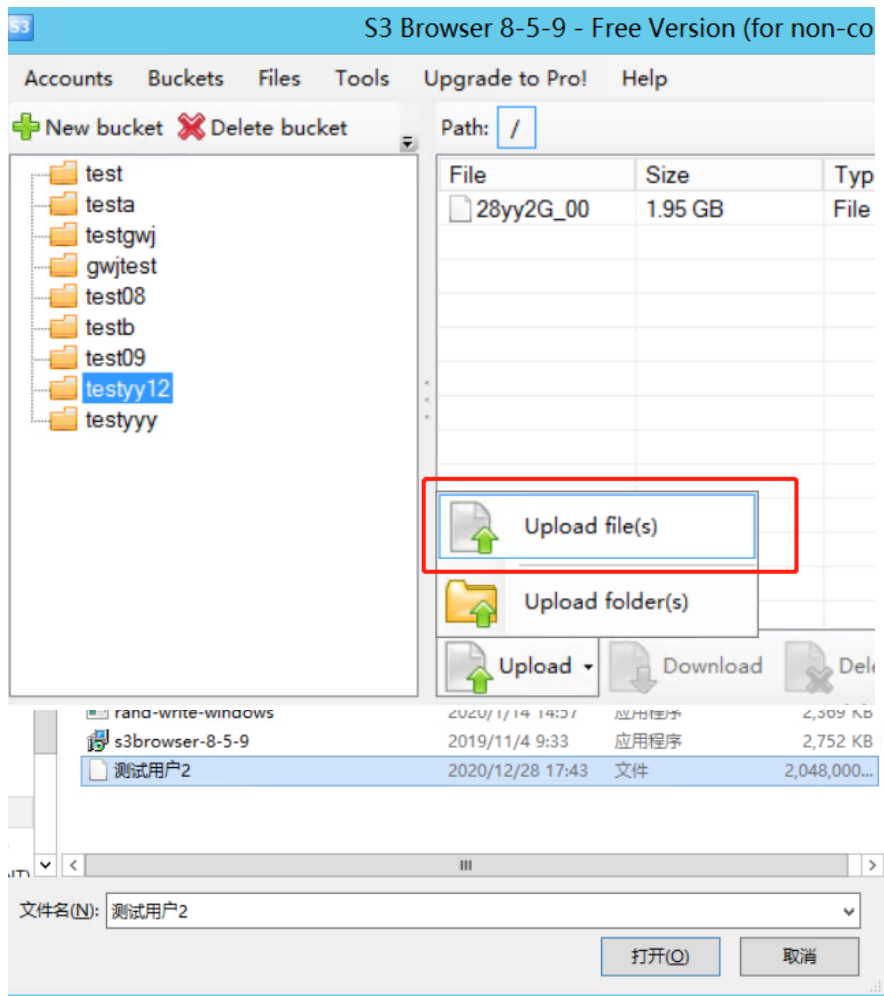
## 三、 多用户上传文件

多用户连接参考《GO 版本 S3 windows 环境部署手册》里多用户配置。两个 windows 客户端分别配置后，分别选择文件同时上传。

- 1. 用户 1：选择上传文件<测试用户 1>



2. 用户 2：选择上传文件<测试用户 2>



3. 两个文件选择上传后，日志内显示文件正在写入缓存：

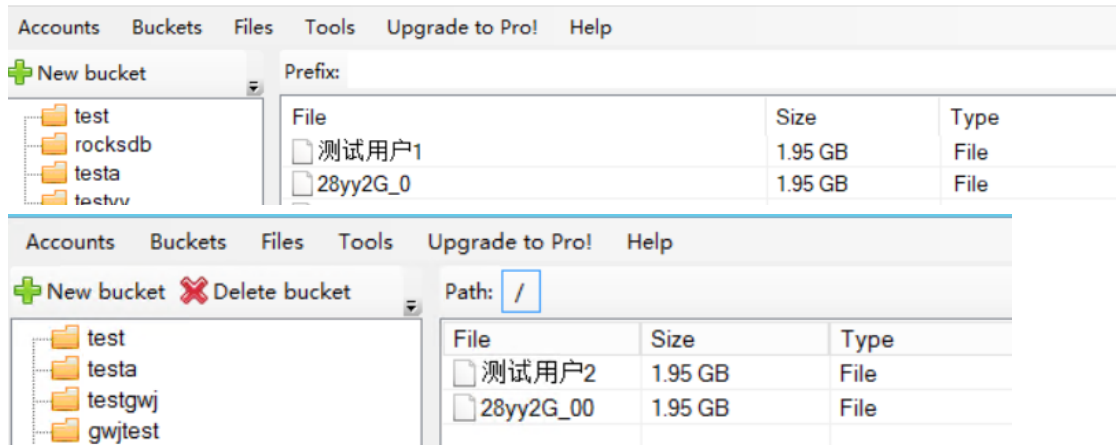
```
[17:48:37.356][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
[17:50:22.591][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
[17:52:01.913][Infos]initiate multipart upload
[17:52:07.587][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
[17:52:29.136][Infos]initiate multipart upload
[17:53:52.588][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
[17:55:37.613][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
```

4. 上传完成时日志显示为：

```
[18:18:32.746][Infos][UploadBlock][5fe9af4dbe8e61239f896e24][999]Upload block OK,shardcount 164/164,take times 56 ms.
[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][CreateObject][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:RE
[18:25:43.880][Infos][UploadBlock][5fe9b10ebe8e61239f896e25][997]Upload block OK,sh
[18:25:43.888][Infos][UploadBlock][5fe9b10ebe8e61239f896e25][999]Write shardmetas O
[18:25:43.934][Infos][UploadBlock][5fe9b10ebe8e61239f896e25][997]Write shardmetas O
[18:25:44.189][Infos][UploadObject][5fe9b10ebe8e61239f896e25]Upload object OK.
[18:25:44.227][Infos][CreateObject][5]testyy12/测试用户2 OK.
[18:25:44.228][Infos][AyncUpload]WriteMeta OK,testyy12/测试用户2
[18:27:07.647][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
[18:28:52.646][Infos][PreAllocNode]Return 60 nodes,Excludes 0 nodes.
```

5. 查看 s3browser 能查看到上传成功的文件



根据两个的上传时间，我们计算出上传速度分别是 1.25M/s 、 1M/s 。

#### 四、 离线编码

1. 修改 s3 配置文件 GO\_YTS3\_Windows\conf\ydfs.properties，添加配置：

```
#cache 参数指定为本地 nas 目录,在测试环境中指定一个普通目录即可,如:/mnt/nas
cache=/mnt/nas
#后端驱动指定为 nas
driver=nas
```

```
#cache参数指定为本地nas目录,在测试环境中指定一个普通目录即可,如:/mnt/nas
cache=D:\yts3\GO_YTS3_Windows\nas
#后端驱动指定为nas
driver=nas
```

启动 s3 服务后选择文件上传，上传完成后 bucket 内查看不到文件。日志显示为上传完成分块：

```
[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///00000000000000000000000000000000 OK,count:857
[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. 修改 s3 配置文件 GO\_YTS3\_Windows\conf\ydfs.properties，添加配置：

```
#将本地 nas 的预编码文件同步到 yotta,0 为不启动 1 为上传完毕删除 NAS 对应文件
```

### startSync=1

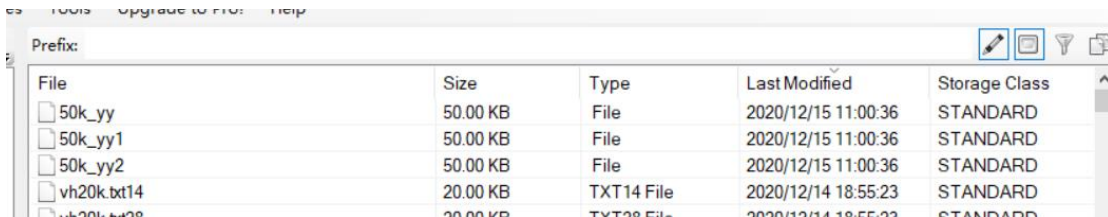
重启服务后, 不用登录用户, s3 检测到 startSync 参数>0 后, 会开始启动文件同步, 日志内查看到上传完成。

```
[11:00:35.899][Infos][UploadShard][5fd826d2083817f2f6f51a91][0][12]SendShard:RETURN OK 0,VtMgnBvvdAvsV2ejtLK3Xn to 56,Gettoken retry 1 t
[11:00:35.899][Infos][UploadBlock][5fd826d2083817f2f6f51a91][0]Upload block OK,shardcount 20/20,take times 834 ms.
[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 OK,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. 修改 s3 配置文件 GO\_YTS3\_Windows\conf\ytsf.properties, 修改配置:

### startSync=0

重启 s3 服务后, 登录用户, 查看 bucket 列表能查看到离线编码的文件。



File	Size	Type	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

4. 下载文件, 对比文件内容一致。