Raysync

RAYSYNC SERVER MANAGEMENT MANUAL

Shenzhen Yunyu Technology Company Limited

Document Information

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Author	Guocheng He	**Version**	V1.6
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Pass by	Organization	**Approved by**	Product Department

Version History

Version	Modified Description	Author	Modified Date
1.0	Complete the first edition of the user manual according to the software	Xinlei Wang	2019/4/28
1.1	Increase user group configuration	Xinlei Wang	2019/5/26
1.2	Add Alibaba Cloud OSS object storage configuration	Xinlei Wang	2019/7/26
1.3	Update the installation operation, space statistics, and Amazon S3 storage configuration after the installation process is optimized.	Ruyun Lou	2020/4/29
1.4	Update the transmission protocol configuration, Email notification, Email authentication, add external Http(s) authentication, import account information into LDAP domain user accounts, and prohibit path setting for the user.	Guocheng He	2020/8/3
1.5	Add point to point transferring / point to point log / IP white list / send notification / Auth A/C setting	Guocheng He	2020/10/15
1.6	Add client nodes management / multiple storage config / virtual folder / file filter transfer / client silent upgrade / transfer file black list / only upload new-add files	Ruyun Lou	2021/1/13

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1 Introduction

Shenzhen Yunyu Technology Co., Ltd. (hereinafter referred to as "Yunyu Technology") was established in 2010, with its headquarters in Shenzhen and branches in Beijing, Shanghai and Chengdu, now its business has covered the whole world. Yunyu Technology focuses on accelerating big data transmission and network optimization services, and is committed to helping various organizations to achieve more efficient data synchronization and information interaction in the big data era.

Technical advantages:

Raysync transmission engine solves the problems of customers' cross-border transmission, long-distance transmission, and large file transmission and so on perfectly with its industry's leading core technology on data transmission, and maximizes the bandwidth efficiency, thus improving the work efficiency and obtaining unanimous favorable comments from customers.

Service Team:

Combined with Raysync transmission engine and traditional network resources, we have experienced technical and service teams in the industry to provide customers with high-speed, stable and safe network optimization services, greatly saving investment in enterprise network resources, improving efficiency and improving network use experience.

2 Server Management Manual

2.1 Windows Server Deployment

The RaySync windows server supports the deployment of windows server 2008/ windows server 2012/ windows server 2016/windows 7 / windows 8/windows 10 platforms.

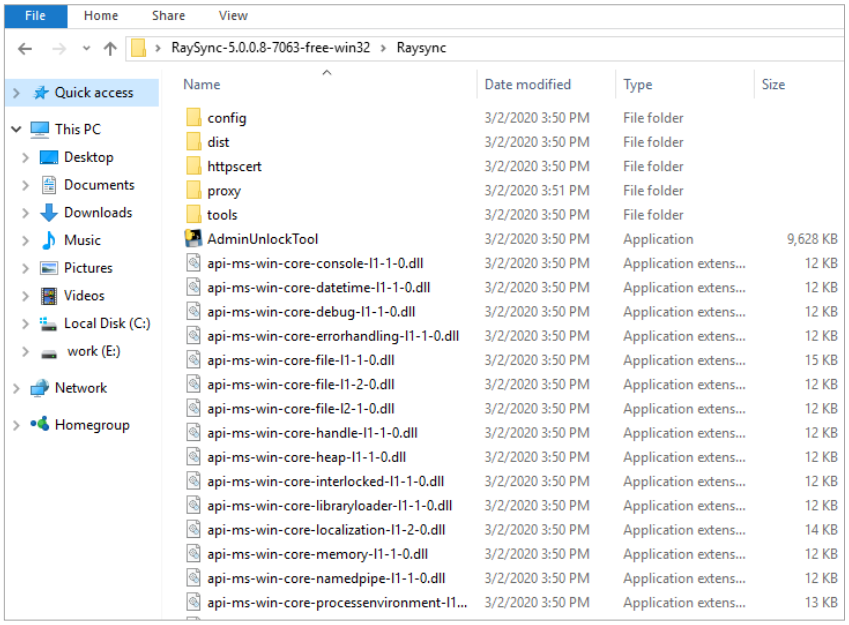
2.1.1 Get installation zip file

Visit https://www.raysync.io/pricing/ and download the latest zip file.

If you purchased pro or enterprise version, please contact the salesman to obtain the corresponding installation package.

2.1.2 Decompression Deployment

Unzip it to your installation directory, for example, D:\Program Files\Raysync, you will see the following files:



File list description:

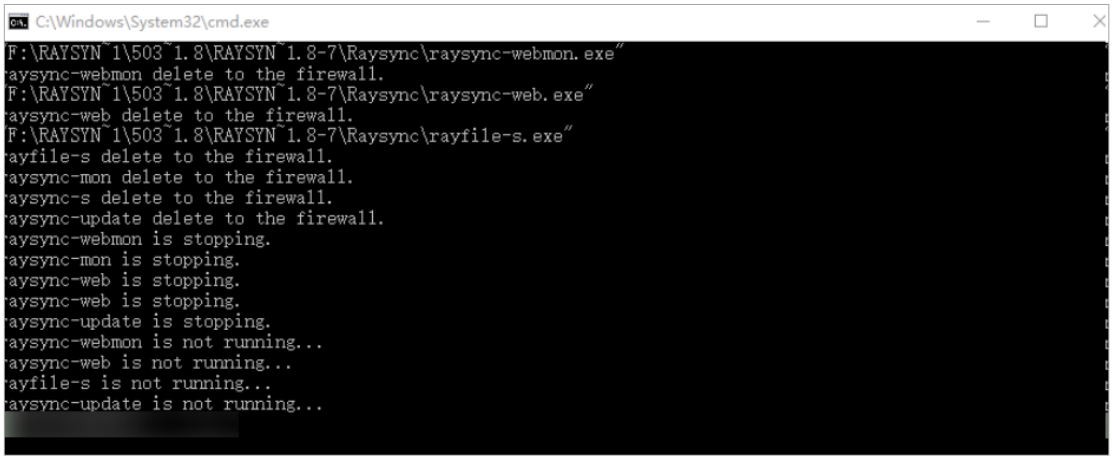
File name	Description
config	Raysync transmission service configuration files
dist	RaySync web service
httpscert	Https certificate
log	Raysync transmission service log files (created after startup)
proxy	Raysync transmission acceleration service
tool	Offline activation code tool
license	Activation code
user	Raysync user storage
raysync-webmon.exe	Daemon process
AdminUnlockTool.exe	Raysync background administrator password unlock service
raysync-web.exe	File tranfer service
rayfile-s.exe	RayFile transfer service
start.bat	Start RaySync transmission service
stop.bat	Stop RaySync transmission service
status.bat	View running status of Raysync service
AdminInitPwd	Administrator default initial password file (generated after starting the server)
serviceStart.exe	Auto start service
serviceDel.exe	Turn off auto-start service
raysync-update.exe	Raysync update service
version.txt	Check version
raysync-nodeman	Node management service
data	Node info
cfg	Node config file

2.1.3 Start Running

Double click start.bat to start the Raysync transmission service. After the startup is successful, press any key to close the window:

2.1.4 Stop Service

Double click stop.bat to stop the Raysync transmission service. After the stop is successful, press any key to close the window:



2.1.5 View the Service Running Status

Double click status.bat to view the running status of Raysync transmission service. After the viewing is finished, press any key to close the window:

2.1.6 Port Mapping

If on the server, it is deployed in the NAT gateway and there is only intranet IP, you need to map the following ports on the router NAT:

Server description	Protocal type	Port
User portal http service port User portal https service port	TCP	8090 8091
Admin portal http service port Admin portal https service port	TCP	9090 9091
Transmission non-encrypted service port Transmission TLS encryption service port	TCP	2442 2443
UDP accelerated transmission service port	UDP	32001
Node management service port	TCP	32001
User portal webpage direct connection port	TCP	2480
User portal webpage encryption point to point connection port	TCP	2481

2.2 Linux Server Deployment

The Raysync linux server deployment supports versions higher than ubuntu14.0.x, centos6.5.

2.2.1 Obtaining Software Package

Visit https://www.raysync.io/pricing/ and download the latest zip file.

If you purchased pro or enterprise version, please contact the salesman to obtain the corresponding installation package.

2.2.2 Decompression Deployment

Unzip it to your installation directory, for example, installation directory /opt/Raysync, and execute tar –zxvf xxxx.tar.gz under the directory to extract the installation package:

```
[root@iZwz9ivic58czwgtdc75bsZ Raysync]# tar -zxvf RaySync_FTP-3.0.7.3-4987_Free-linux_64.tar.gz
```

You will see the following files:

```
[root@localhost RaySync]# ll
total 90016
-rwxr-xr--. 1 root root 20364357 Mar  2 15:50 AdminUnlockTool.bin
drwxr-xr--. 2 root root       40 Mar  2 15:50 config
drwxr-xr--. 4 root root       30 Mar  2 15:50 dist
-rwxr-xr--. 1 root root       17 Mar  2 15:50 encryption.json
drwxr-xr--. 2 root root       69 Mar  2 15:50 httpscert
-rwxr-xr--. 1 root root     9235 Mar  2 15:50 install.sh
-rwxr-xr--. 1 root root  3649897 Mar  2 15:50 ip.ipdb
-rwxr-xr--. 1 root root       22 Apr  8 17:36 license.txt
drwxr-xr--. 3 root root       59 Mar  2 15:50 proxy
-rwxr-xr--. 1 root root 29284072 Mar  2 15:50 rayfile-s
-rwxr-xr--. 1 root root       56 Mar  2 15:50 raysyncA
-rwxr-xr--. 1 root root      207 Mar  2 15:50 RaySyncServer.sh
-rwxr-xr--. 1 root root  5112560 Mar  2 15:50 raysync-update
-rwxr-xr--. 1 root root 26165695 Mar  2 15:50 raysync-web.bin
-rwxr-xr--. 1 root root  7528216 Mar  2 15:50 raysync-webmon
-rwxr-xr--. 1 root root      677 Mar  2 15:50 start.sh
-rwxr-xr--. 1 root root     1625 Mar  2 15:50 status.sh
-rwxr-xr--. 1 root root     3370 Mar  2 15:50 stop.sh
drwxr-xr--. 4 root root       51 Mar  2 15:50 tools
-rwxr-xr--. 1 root root     3306 Mar  2 15:50 uninstall.sh
-rwxr-xr--. 1 root root      519 Mar  2 15:50 update.ini
-rwxr-xr--. 1 root root     2809 Mar  2 15:50 upgrade.sh
-rwxr-xr--. 1 root root        7 Mar  2 15:50 version.txt
```

File list description:

File name	Description
config	Raysync transmission service configuration files
dist	RaySync web service
httpscert	Https certificate
log	Raysync transmission service log files (created after startup)
proxy	Raysync transmission acceleration service
license	Activation code
user	Raysync user storage
raysync-webmon.exe	Daemon process
AdminUnlockTool.exe	Raysync background administrator password unlock service
raysync-web.exe	File tranfer service
rayfile-s.exe	RayFile transfer service
start.sh	Start RaySync transmission service
stop.sh	Stop RaySync transmission service
status.sh	View running status of Raysync service
Install	Install script, set the service to start automatically after boot
uninstall	Cancel start automatically after boot
encryption.json	Save the configuration with password encryption
version.txt	Check version
tools	Offline activation code tool
AdminInitPwd	Administrator default initial password file (generated after starting the server)
raysync-update.exe	Raysync update service
raysync-nodeman	Node management service
data	Node details
cfg	Node config file

2.2.3 Installation initialization

Run ./install
The result of the execution is Successfully installed, which means that the installation is successfully initialized and the service is added to start automatically after boot.

```
root@iZwz9bx129zrquxz2ief8dZ:/home/3.4.2.8/RaySync_3.4.2.8# ./install.sh
Successfully installed.
root@iZwz9bx129zrquxz2ief8dZ:/home/3.4.2.8/RaySync_3.4.2.8#
```

2.2.4 Start Running

Run ./start.sh to start RaySync transmission service

```
[root@localhost RaySync]# ./start.sh
raysync-webmon.sh is running...
raysync-web is running...
raysync-mon is running...
rayfile-s is running...
raysync-update is running...
[root@localhost RaySync]#
```

2.2.5 Stop Service

Run ./stop.sh to stop RaySync transmission service

```
[root@localhost RaySync]# ./stop.sh
Stop raysync-webmon successed
Stop RaySync successed
```

Run ./status.bat to view the running status of Raysync service:

```
[root@localhost RaySync]# ./status.sh
raysync-webmon.sh is running...
raysync-web is running...
raysync-mon is running...
rayfile-s is running...
raysync-update is running...
```

2.2.7 Port Mapping

If on the server, it is deployed in the NAT gateway and there is only intranet IP, you need to map the following five ports on the router NAT:

Service description	Protocal type	Port
User portal http service port User portal https service port	TCP	8090 8091
Admin portal http service port Admin portal https service port	TCP	9090 9091
Transmission non-encrypted service port Transmission TLS encryption service port	TCP	2442 2443
UDP accelerated transmission service port	UDP	32001

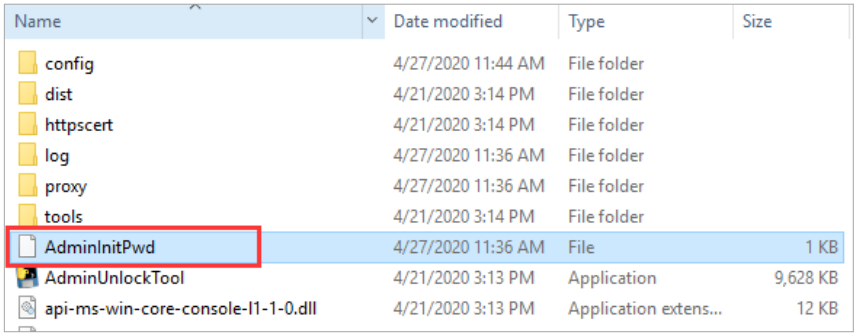
Node management service port	TCP	32001
User portal webpage direct connection port	TCP	2480
User portal webpage encryption point to point connection port	TCP	2481

2.3 Administrator Operation Manual

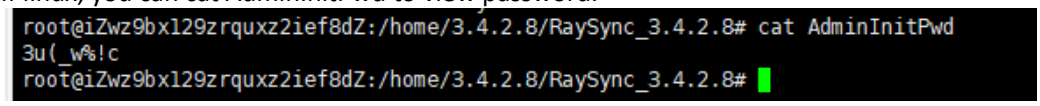
After the server runs successfully, open xx.xx.xx.xx in Google Chrome: IP:9090/admin
For example: 172.16.5.77:9090/admin/

2.3.1 Login Admin Console Portal

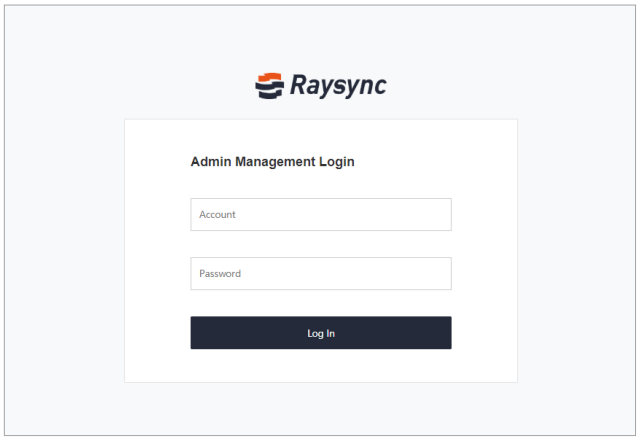
Initial admin account: admin
Initial admin password:
If windows,please open the file AdminInitPwd in and copy the password in tar.gz file.



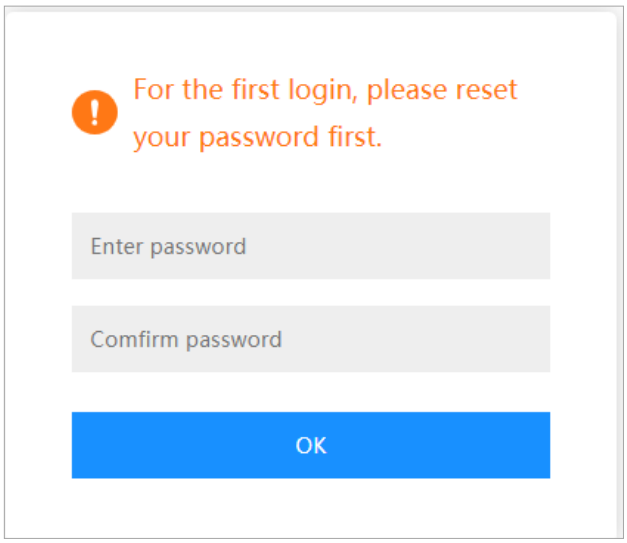
If linux, you can cat AdminInitPwd to view password.



Then,enter the default server account/password and login.



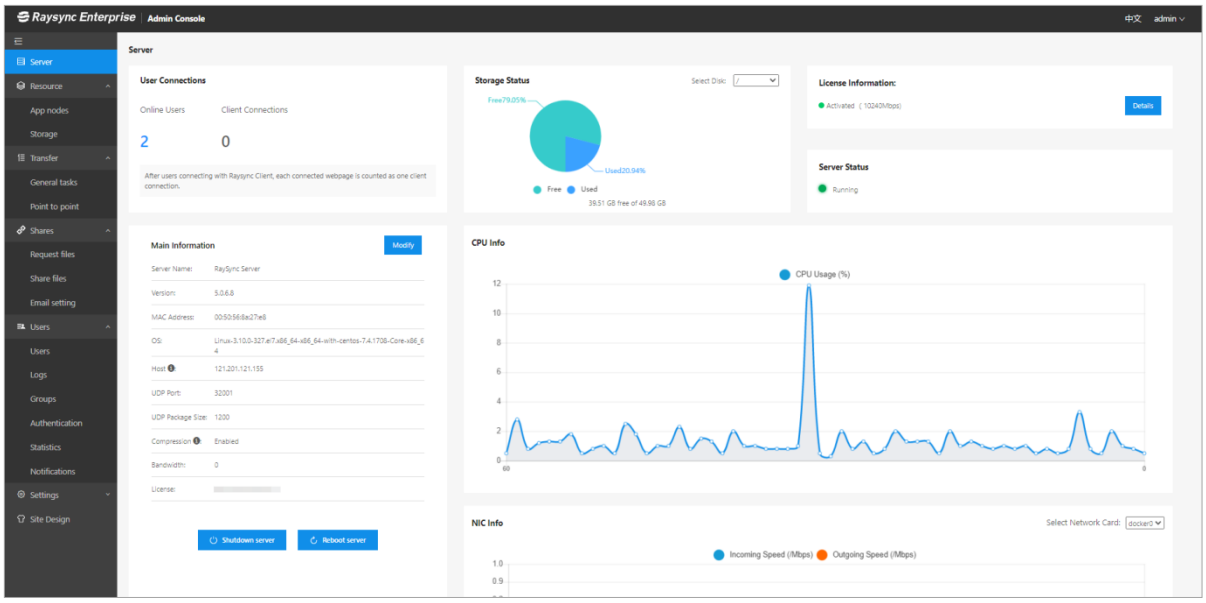
Password must be reset for the first login.
The new password does not support spaces. It must include three combinations of uppercase letters, lowercase letters, numbers, and characters with 8-20 characters. The password and the account cannot be the same.



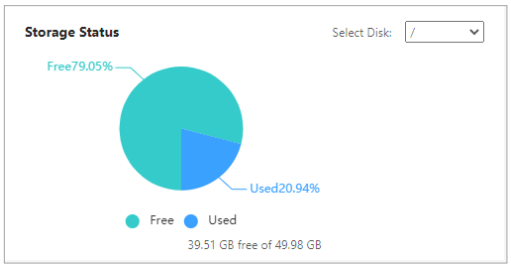
Click OK to reset the password successfully and log in with the new password.

2.3.2 Server Status Display

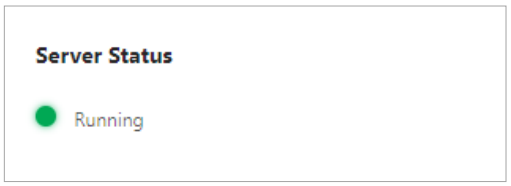
In this interface, the server configuration information, the display status of Raysync software, the number of online users, the license activation status, and the monitoring information of the CPU and the corresponding network card will be displayed.



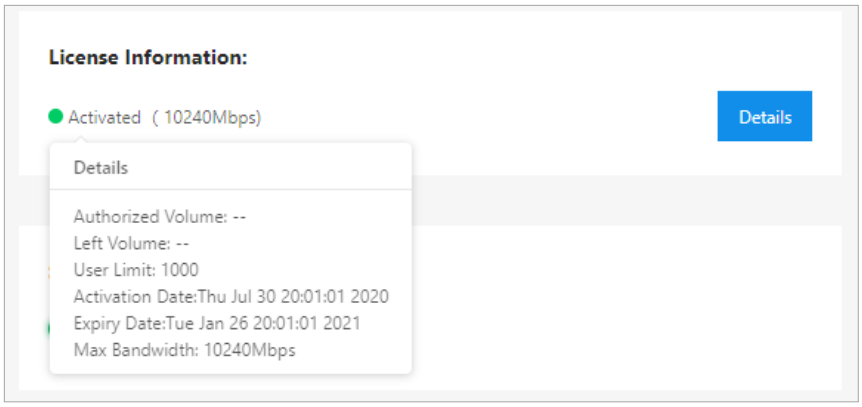
2.3.2.1 Disk Space



2.3.2.2 Running Status

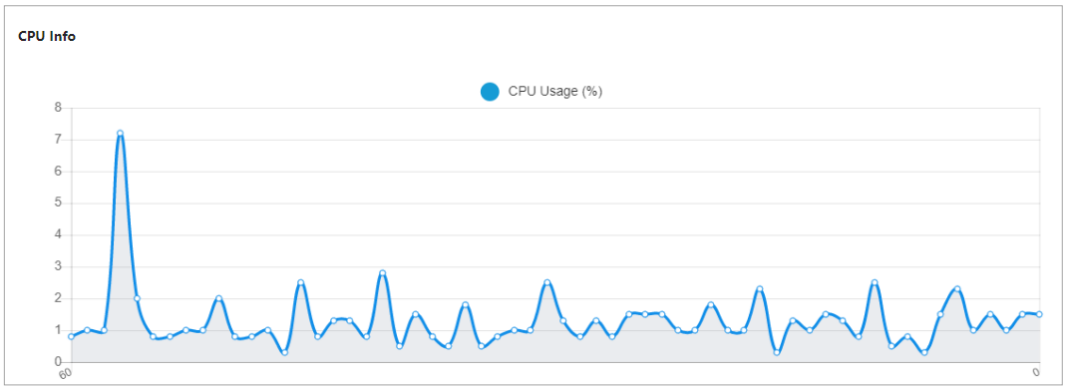


2.3.2.3 License Information

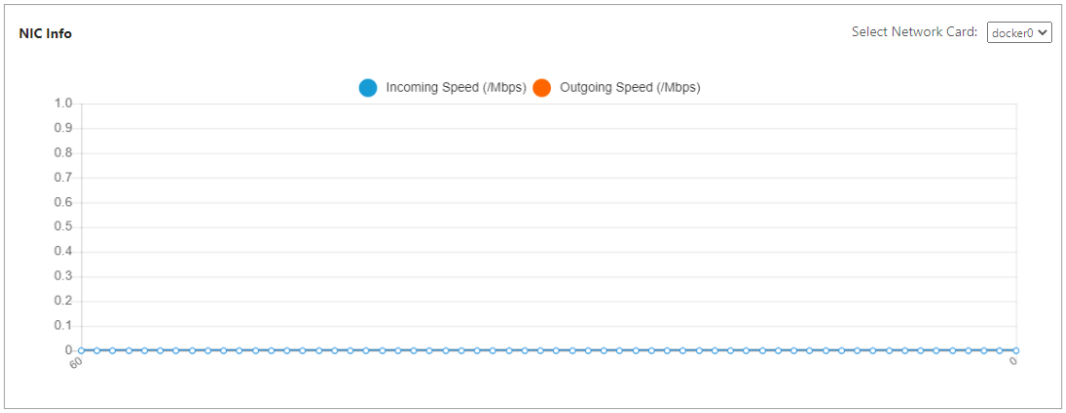


2.3.2.4 Monitoring Information

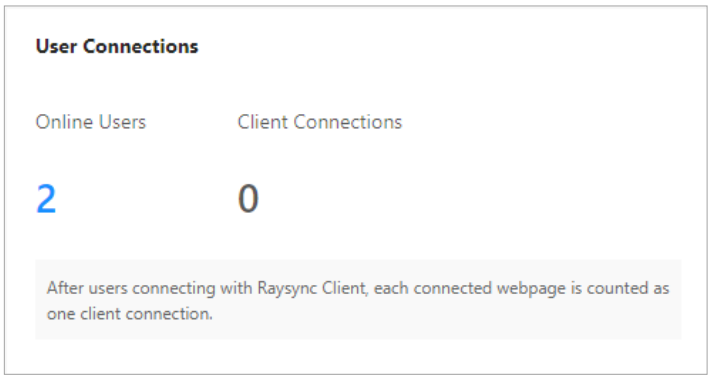
CPU information:



Network card information:

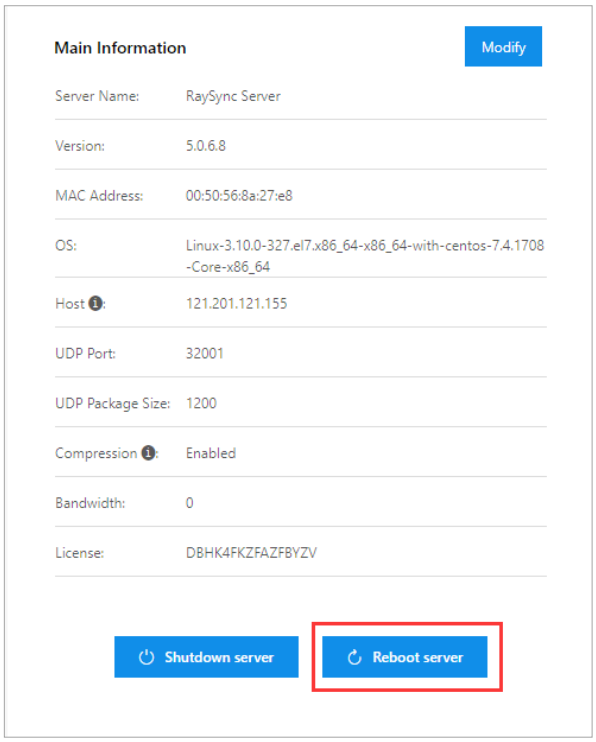


2.3.2.5 Number of Online Users



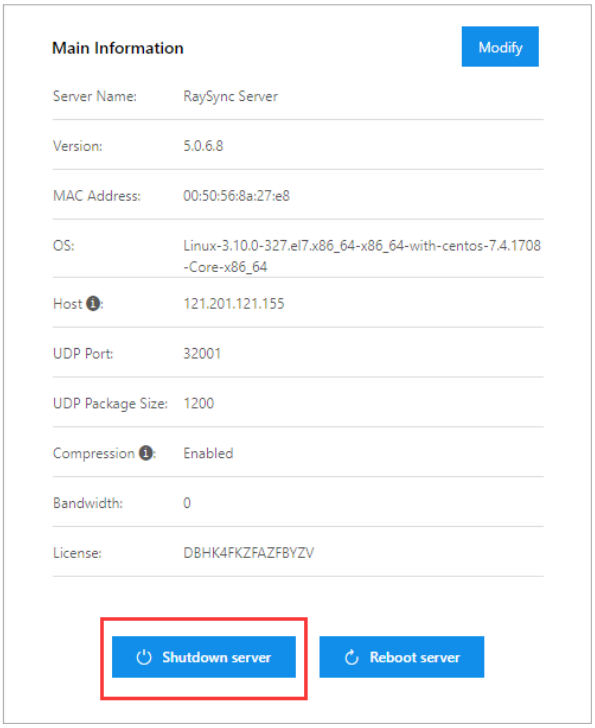
2.3.3 Restart Server

Click [Reboot server] to restart the server.



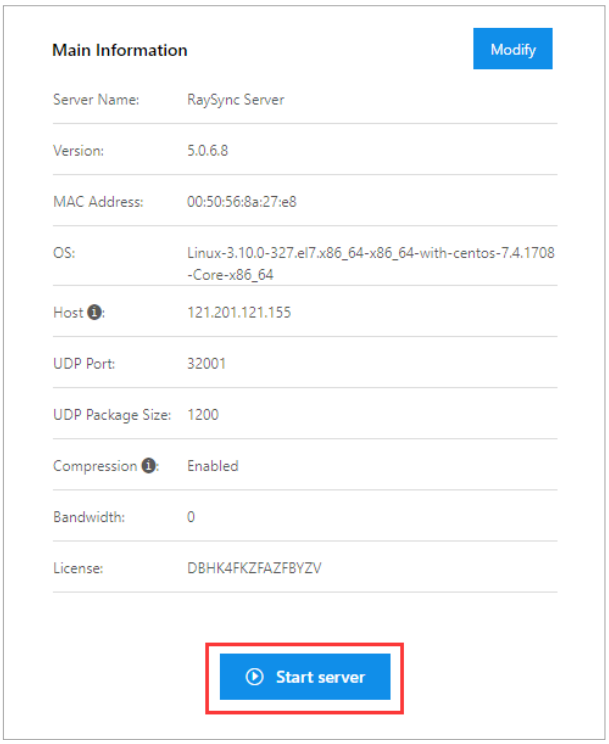
2.3.4 Shutdown Server

Click [Shutdown server] to shut down the server transmission service, and the web service runs normally.



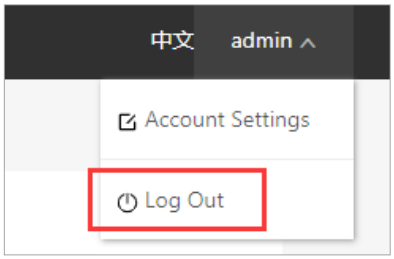
2.3.5 Start Server

When the server is in shutdown status, click [Start server] to start the server.



2.3.6 Logout Admin Console

Click user name to expand options, and then click [Log Out]



2.4 Activation Server

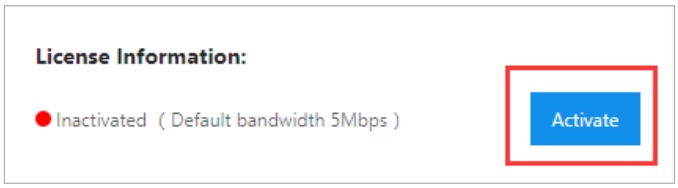
Users can experience the maximum speed after the license is activated by Raysync server. The default is 5Mbps bandwidth when the license is not activated.

2.4.1 Online Activation

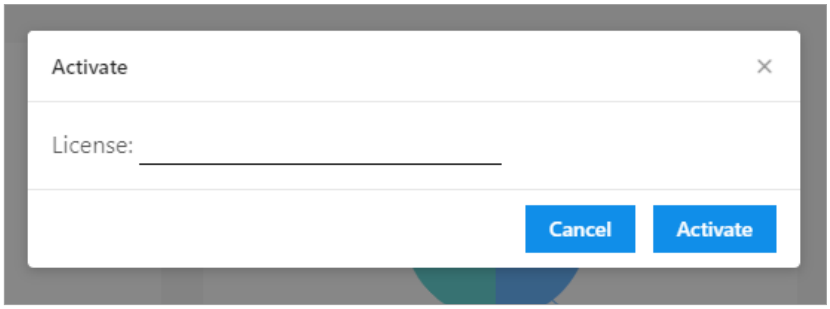
We recommend to use the online activation if your sever can access the external network .

You have two ways to avtivate.

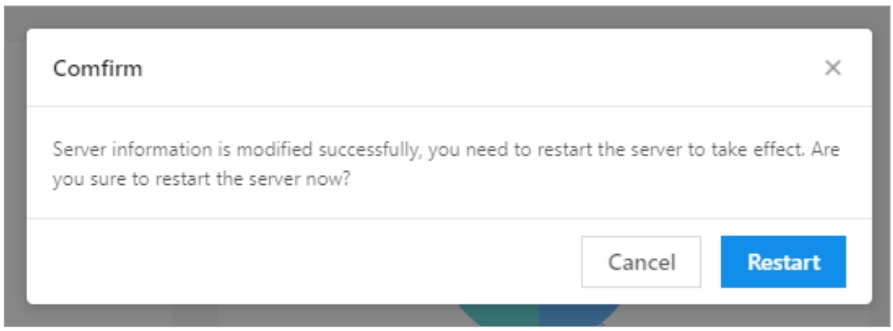
Way 1:
You can click [Activate] button.



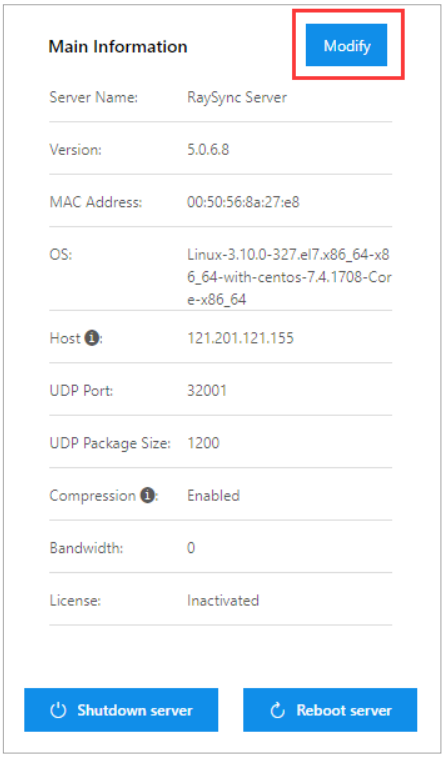
Fill in the correct activation code in the License Information.



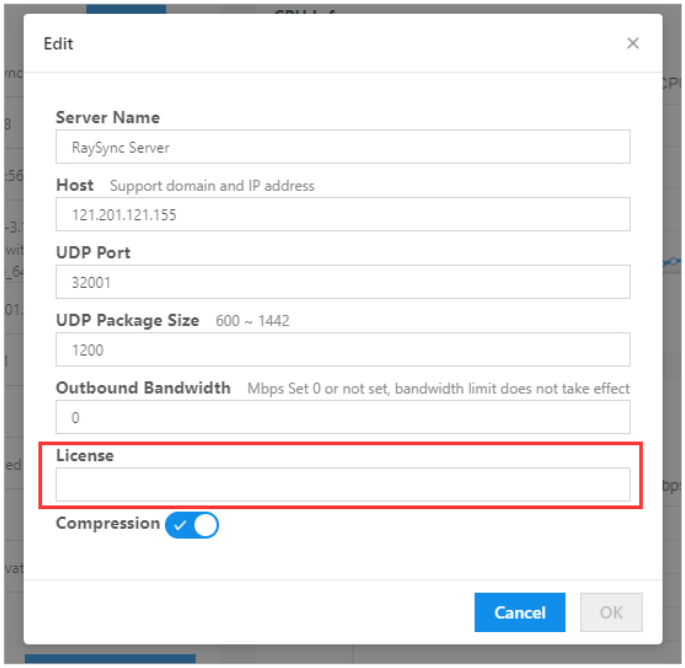
Restart the server to take effect.



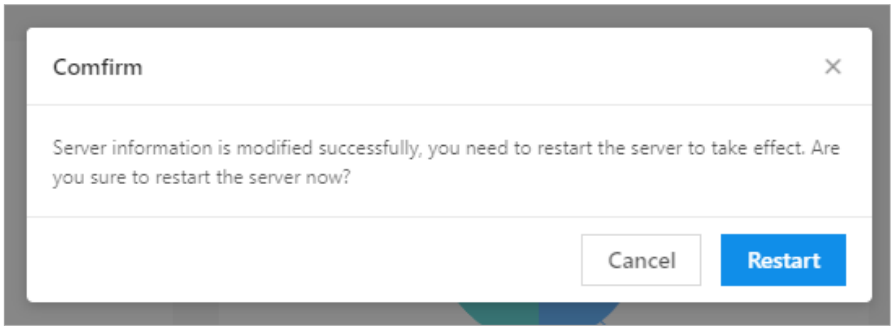
Way 2:
You can click [Modify] button on sever main information.

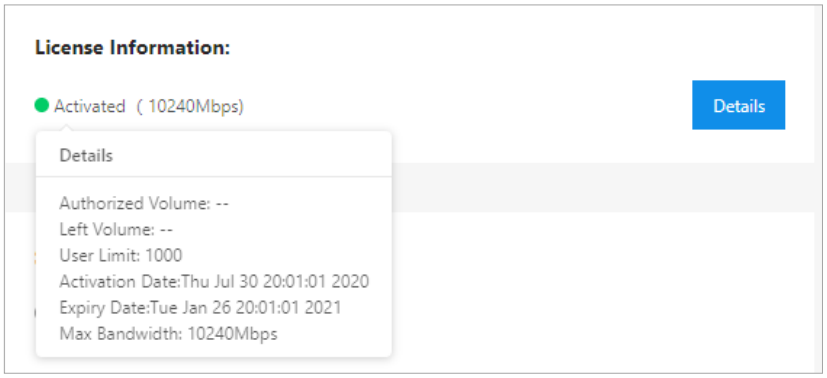


Fill in the correct activation code in the License Information



Restart the server to take effect



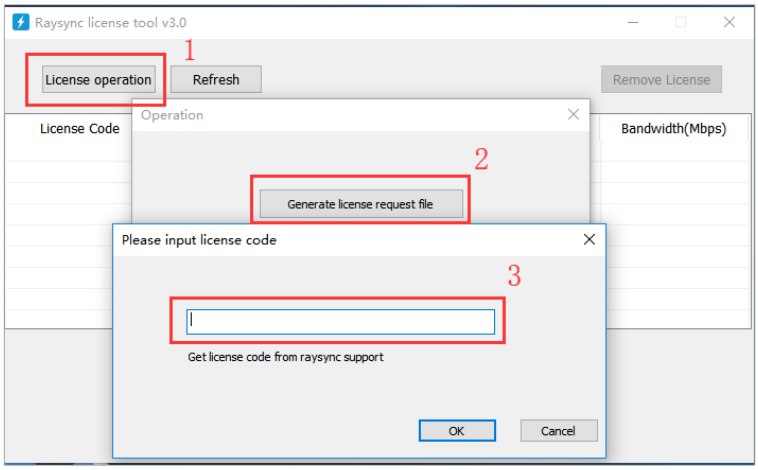


2.4.2 Offline Activation

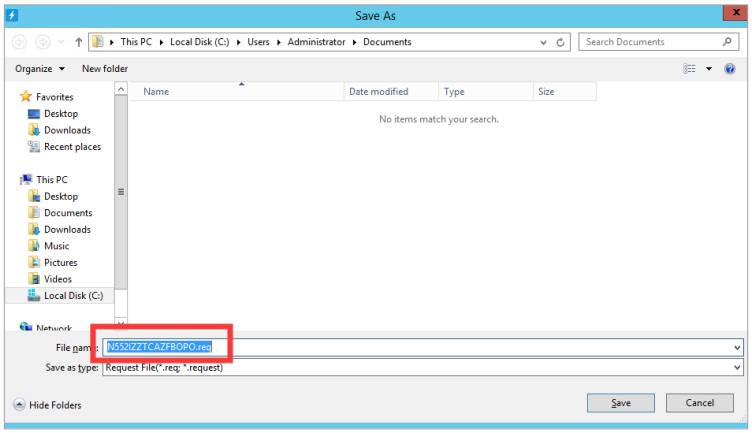
If your server cannot access the external network, it is recommended to use offline activation.

2.4.2.1 Windows Offline Activation

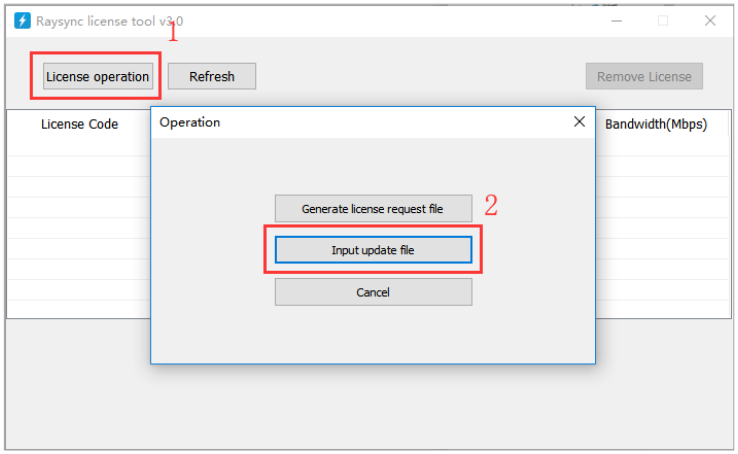
1, Go into license folder, for example: Raysync_3.0.7.3\tools\license,and run 'RaysyncLicense', ①click 'License operation', ②click 'Generate request file', ③ fill in the license.
Tips: Please ask raysync business for license.



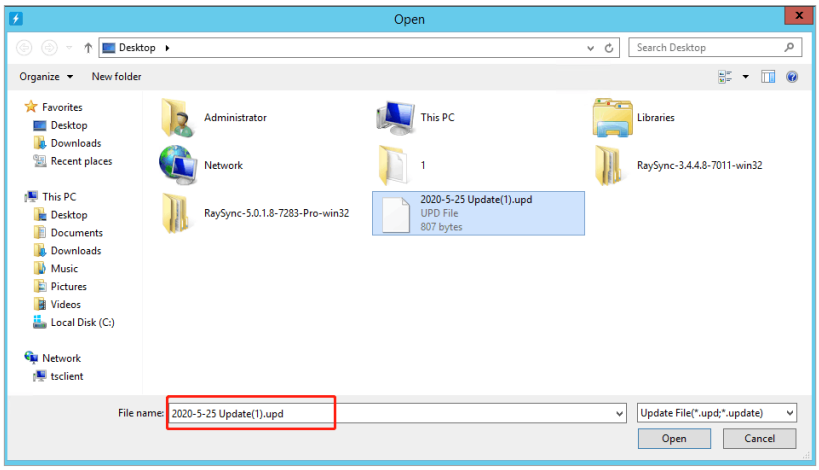
2, You will get a '.req' file,save it and send to Raysync.



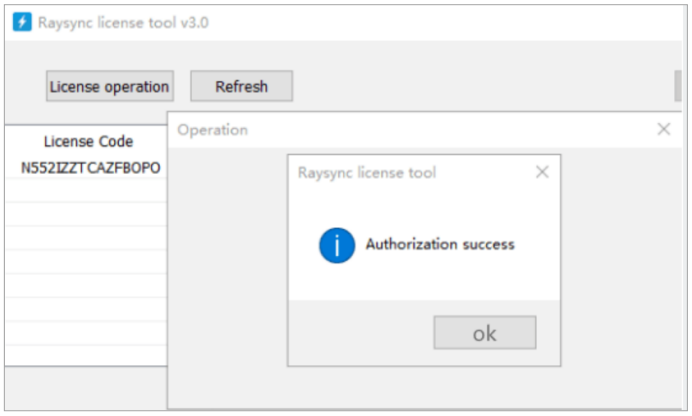
3, Then Raysync will send you an offline activate authorization file, such as '2020-5-25 Update.upd'.
①click 'License operation', ②click 'Input update file'.



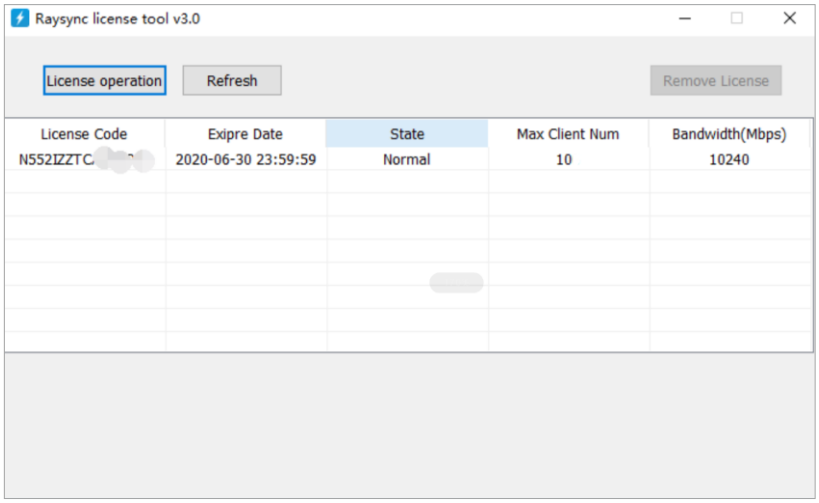
4, Choose the authorized offline activation file from Raysync '2020-5-25 Update.upd'.



5, Prompt 'Authorization success'.



6, You can get the license code.



7, Login admin portal, input the license code and activate to use.

2.4.2.1 Linux Offline Activation

1, Go into license folder, for example:/opt/Raysync/RaySync_3.0.7.3/tools/license.

```
[root@iZwz9ivic58czwgtdc75bsZ license]# cd /opt/Raysync/RaySync_3.0.7.3/tools/license
```

Check tool.

```
[root@iZwz9ivic58czwgtdc75bsZ license]# ls
RaySyncLicense
```

Run RaySyncLicense.

```
[root@iZwz9ivic58czwgtdc75bsZ license]# ./RaySyncLicense

***************************** LicenseManager ******************************
OPI: RayVisionLicense(v0.0.0.1)
Home
-------------------------------------------------------------------------
   <A> Activate   Please get the SN from your supplier
   <Q> Quit
-------------------------------------------------------------------------
Selection ........ ?
```

2, Follow the steps below to activate the authorization code.

```
[root@localhost RaySync]# ./RaySyncLicense

***************************** LicenseManager ******************************
OPI: RayVisionLicense(v0.0.0.1)
Home
-------------------------------------------------------------------------
   <A> Activate   Please get the SN from your supplier
   <Q> Quit
-------------------------------------------------------------------------
Selection ........ ?a

Home > Activate
-------------------------------------------------------------------------
   <F> Offline    Unable to connect to the network
   <B> Back
-------------------------------------------------------------------------
Selection ........ ?f

Home > Activate > Offline
-------------------------------------------------------------------------
   <R> Get the activation request file
   <A> Apply update code file
   <B> Back
-------------------------------------------------------------------------
Selection ........ ?r
Enter SN: QW5JFAEEBAZFB7PC
```

3, Exit .

```
Selection ........ ? r
Enter SN: QW5JFAEEBAZFB7PC
Get request file successfully, please send it to ISV.
File name : /home/test/RaySync/1530328091 Request Code.req
Press any key to continue...

Home > Activate > Offline
-------------------------------------------------------------------------
   <R> Get the activation request file
   <A> Apply update code file
   <B> Back
-------------------------------------------------------------------------
Selection ........ ?b

Home > Activate
-------------------------------------------------------------------------
   <F> Offline    Unable to connect to the network
   <B> Back
-------------------------------------------------------------------------
Selection ........ ?b

Home
-------------------------------------------------------------------------
   <A> Activate   Please get the SN from your supplier
   <Q> Quit
-------------------------------------------------------------------------
Selection ........ ?q
Are you sure to quit? (y/n)y
[root@localhost RaySync]#
```

4, Please send 1530328091 Request Code.req to us， we will feedback a new file to you asap.

```
[root@localhost RaySync]# ll
总用量 10120
-rw-r--r-- 1 root root     285 6月  30 11:08 1530328091 Request Code.req
drwxrwxr-x 2 test test    4096 6月  30 10:30 config
drwxr-xr-x 5 test test    4096 1月   2 04:48 dist
drwxrwxr-x 2 test test    4096 6月  30 02:06 log
drwxrwxr-x 2 test test    4096 6月  30 02:23 out
drwxr-xr-x 3 test test    4096 6月  29 18:58 proxy
-rwxrwxr-x 1 test test  939034 6月  30 2017 RaySyncLicense
-rwxr-xr-x 1 test test 9379136 1月   2 04:47 RaySyncServer
-rwxr-xr-x 1 test test     292 12月  4 2017 start.sh
-rwxr-xr-x 1 test test     727 12月  4 2017 status.sh
-rwxr-xr-x 1 test test     391 12月  4 2017 stop.sh
drwxrwxr-x 4 test test    4096 6月  30 10:28 user
[root@localhost RaySync]#
```

5, Input the new test.upd file.

```
[root@localhost RaySync]# ./RaySyncLicense

***************************** LicenseManager *****************************
OPI: RayVisionLicense(v0.0.0.1)
Home
--------------------------------------------------------------------------
   <A> Activate   Please get the SN from your supplier
   <Q> Quit
--------------------------------------------------------------------------
Selection ........ a

Home > Activate
--------------------------------------------------------------------------
   <F> Offline    Unable to connect to the network
   <B> Back
--------------------------------------------------------------------------
Selection ........ ? f

Home > Activate > Offline
--------------------------------------------------------------------------
   <R> Get the activation request file
   <A> Apply update code file
   <B> Back
--------------------------------------------------------------------------
Selection ........ ? a
Input file name: test.upd
```

6, Get the license and exit

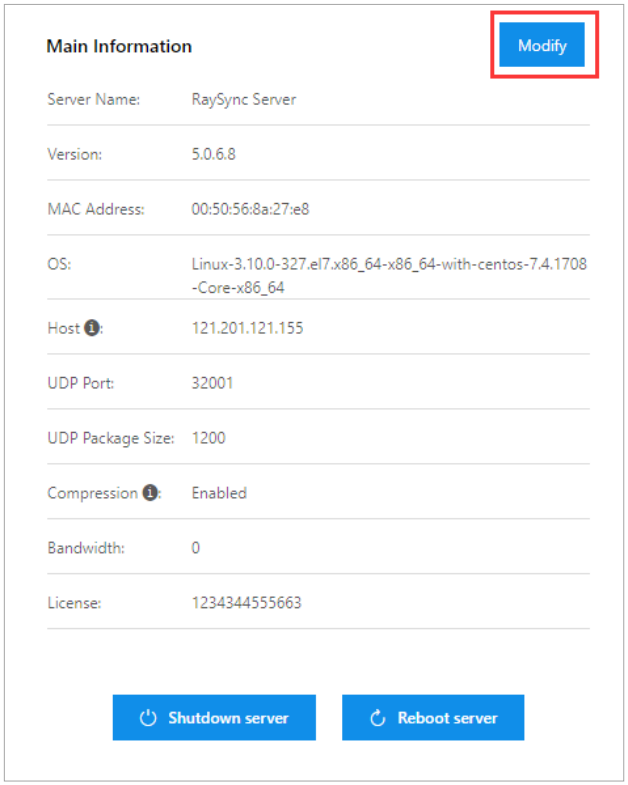
```
Input file name: test.upd
Update the SN successfully.
Press any key to continue...

Home > Activate > Offline
--------------------------------------------------------------------------
   <R> Get the activation request file
   <A> Apply update code file
   <B> Back
--------------------------------------------------------------------------
Selection ........ ? b

Home > Activate
--------------------------------------------------------------------------
   <F> Offline    Unable to connect to the network
   <B> Back
--------------------------------------------------------------------------
Selection ........ ? b

Home
--------------------------------------------------------------------------
  No.       SN              Exp.Date          status   MaxClient   BW(Mbps)
  1   QW5JFAEEBAZFB7PC   2018-07-10 12:11:02   normal      10         200

   <A> Activate   Please get the SN from your supplier
   <Q> Quit
--------------------------------------------------------------------------
Tip: Enter the number, operate the SN, enter the letter,
execute the command.
Selection ........ ?
Invalid input, please re-enter.
Selection ........ ? q
Are you sure to quit? (y/n)y
[root@localhost RaySync]#
```

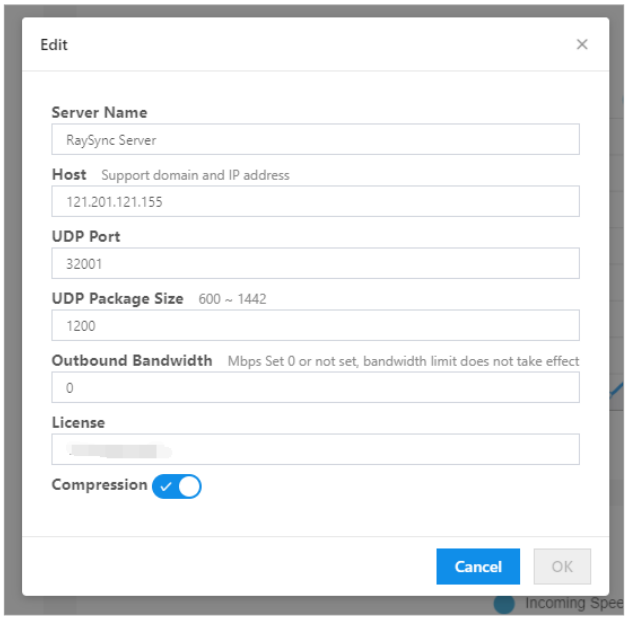
7, Login admin portal, input the license code and activate to use.

2.5 Editing Server Information

The server information includes the server address, UDP acceleration port, UDP packet size, default storage path, egress bandwidth, transmission service, and whether compression is enabled.

You can edit the server information by clicking the Modify button in the server information.





Function	Description
Server Address	The server address can be changed to an IP address or domain name. After the server address is changed, both user portal and admin portal

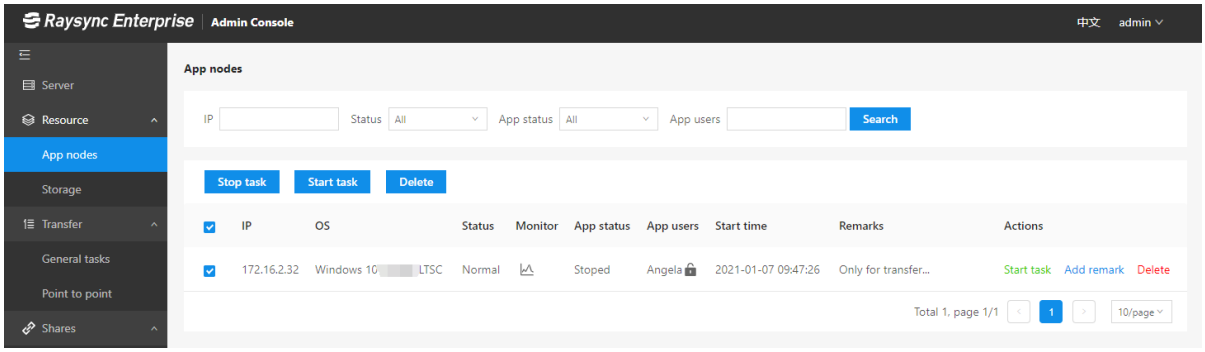
	need use the new server address to access
UDP Acceleration Port	The UDP port can be changed to be a port between 1 and 65535. The default is 32001. You need to ensure that the server firewall already has the UDP port. Otherwise, the transmission will fail. After the change, you need to restart the server.
UDP Message Size	UDP message size is generally set to the default value. The default is 1200 (the range is 600~1442).
Enable Compression	After the compression is enabled, the files that can be compressed and transmitted will be compressed and transmitted, which can reduce the bandwidth usage and improve transmission efficiency.
Outbound Bandwidth	The server export bandwidth is not configured by default, and the export bandwidth is not limited. When set to 0 or not filled in, the bandwidth limit will not take effect

2.6 Resource Management

2.6.1 App Nodes

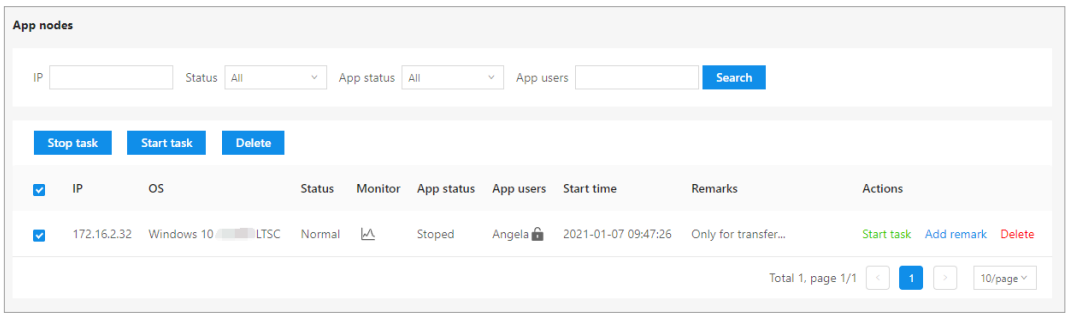
It displays the running status of the client application on nodes which connected to the server, and monitors the nodes CPU, memory, and disk utilization, and you can stop and start all transmission tasks, and lock the client user.

Tips: The server needs to open service port TCP 32001

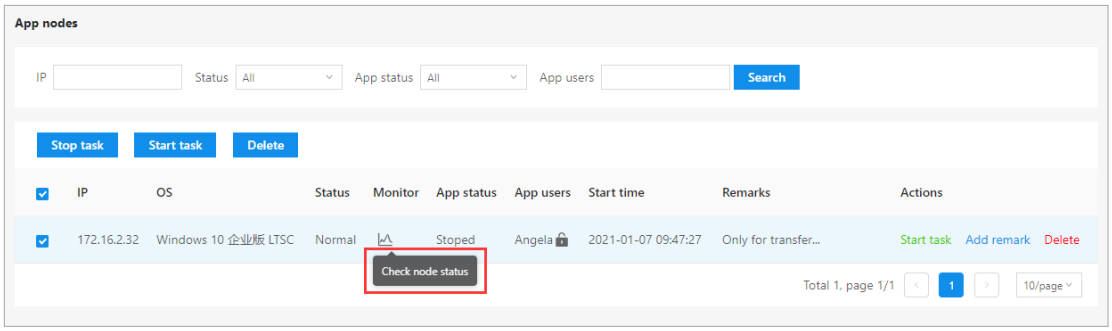


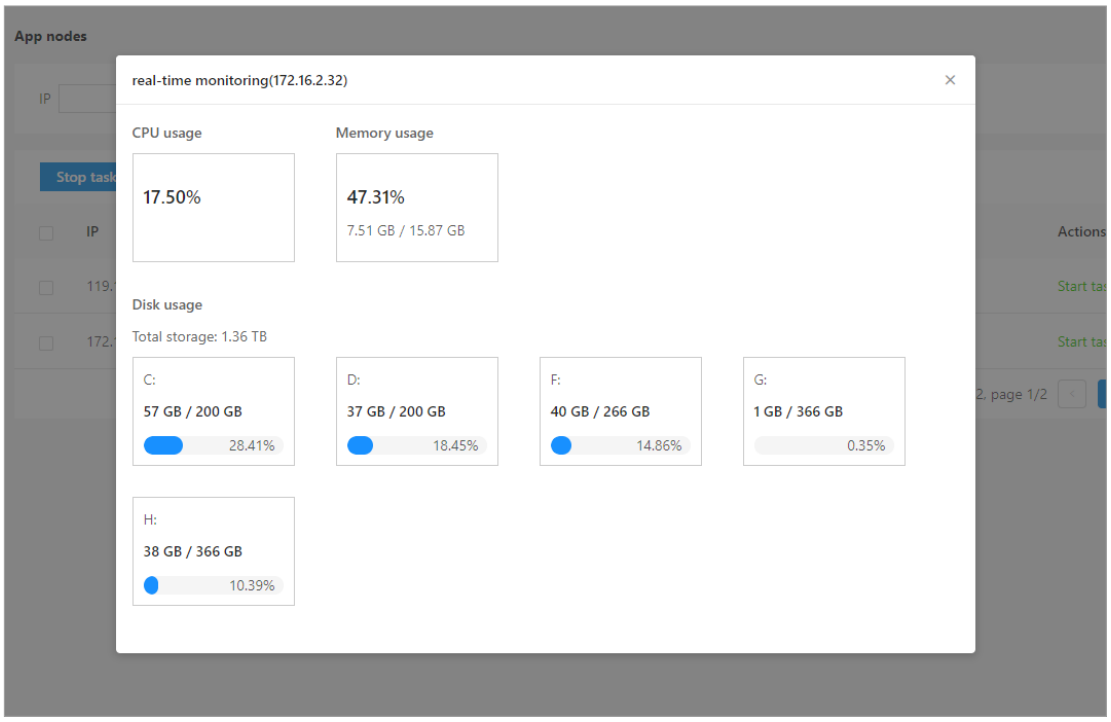
2.6.1.1 App Nodes Info

The administrator can see the successfully connected node IP, operating system, node status, node monitoring information, node startup time, client app status, and client login user name.



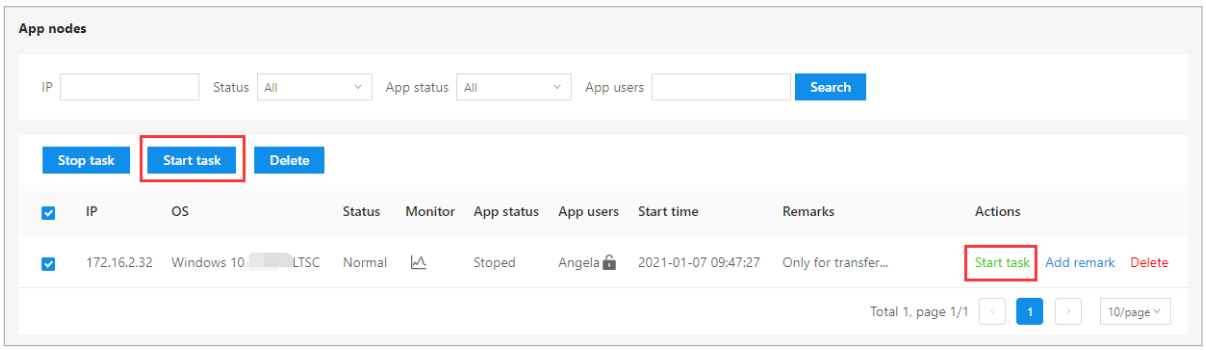
You can monitor node CPU/Memory/Disk usage.



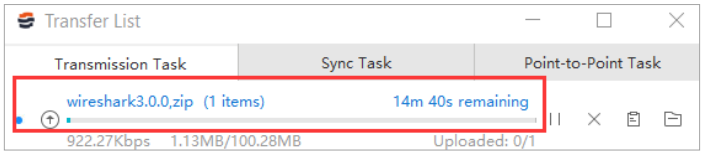


2.6.1.2 Start Task

Select the node that needs to be started, and click the [Start task] button in the operation.

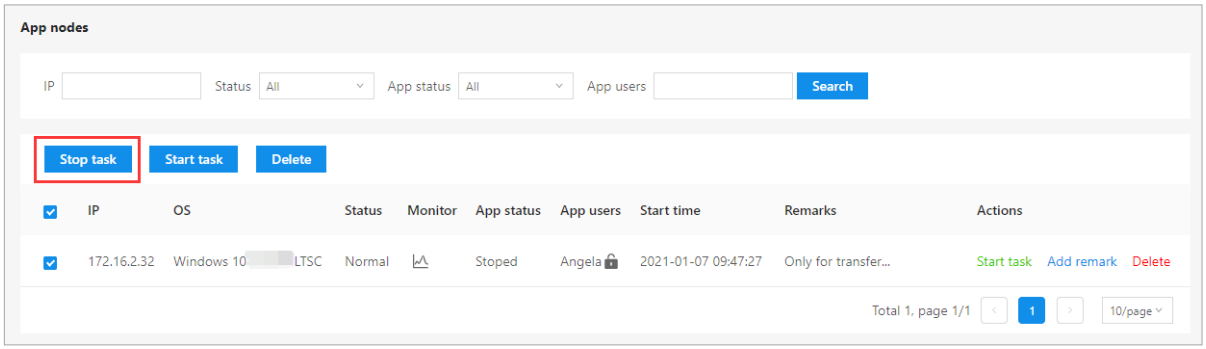


All the tasks will start to transfer.



2.6.1.3 Stop Task

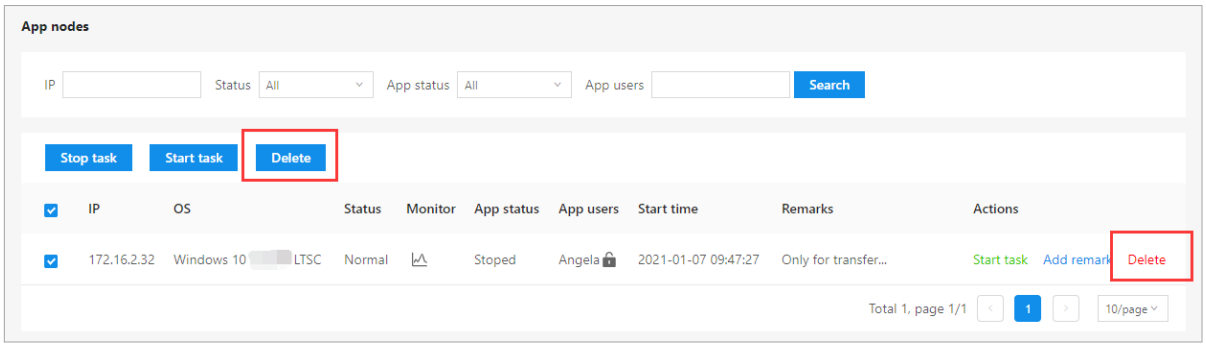
Select the node that needs to be stopped, and click the [Stop task] button in the operation.



All the tasks will stop to transfer.

2.6.1.4 Delete Nodes

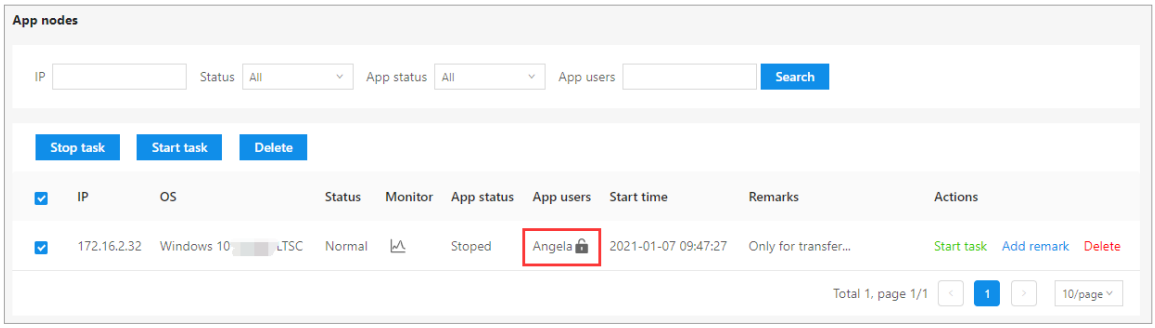
Select the node that needs to be deleted, and click the [Delete] button in the operation.



After the deletion is successful, the selected node will be deleted from the list,but the transmission task of the client will not be deleted.

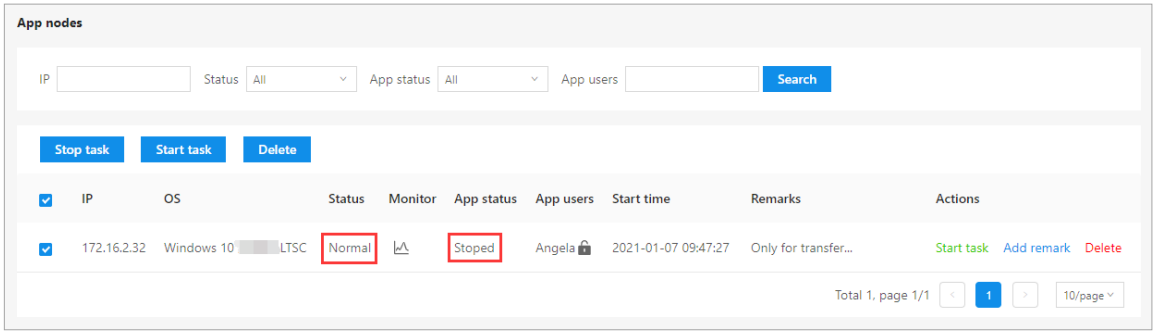
2.6.1.5 Lock/Unlock Client User

Select the client user,click [lock] or [unlock] icon



2.6.1.6 Nodes&Clients Status

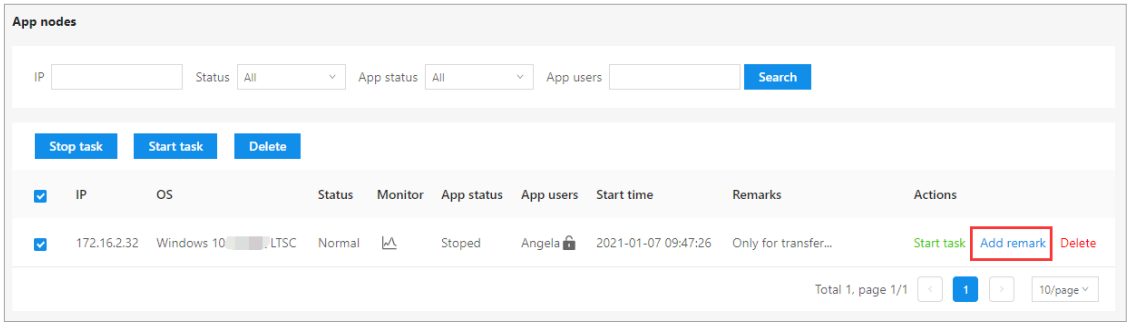
The node status includes [Normal] and [Offline]; the client status includes [Start] and [Stopped].



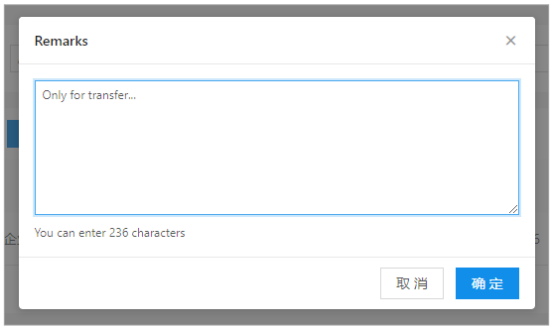
Node status	**Normal**: When the client user logs in successfully and connects to the service, the node status is "normal" **Offline**: When the client is disconnected from the service, the node machine status is "offline".
Client status	**Enabling**: When the connected client has one or more transmitting task, the client status is "Start" **Disabled**: When all tasks of the connected client are stopped, the client status is "Stopped"

2.6.1.7 Add Remark

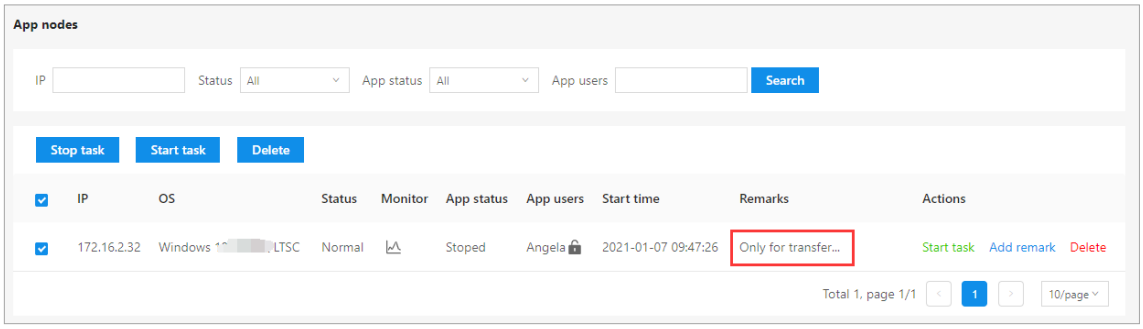
Select node,and click [Add remark] button.



Input remark info.



Input successfully.

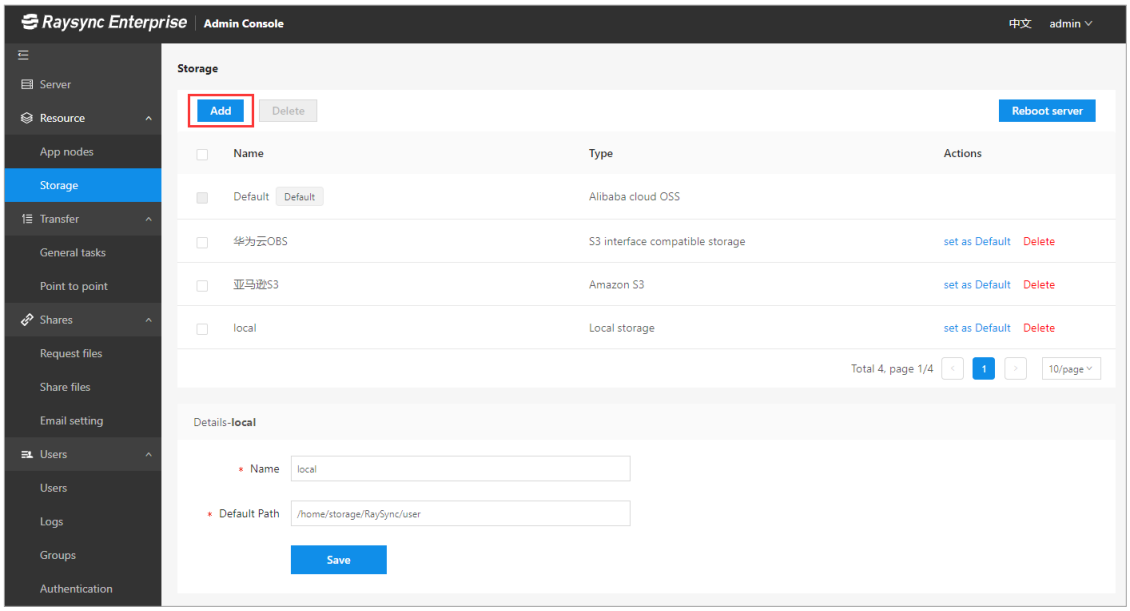


2.6.2 Storage

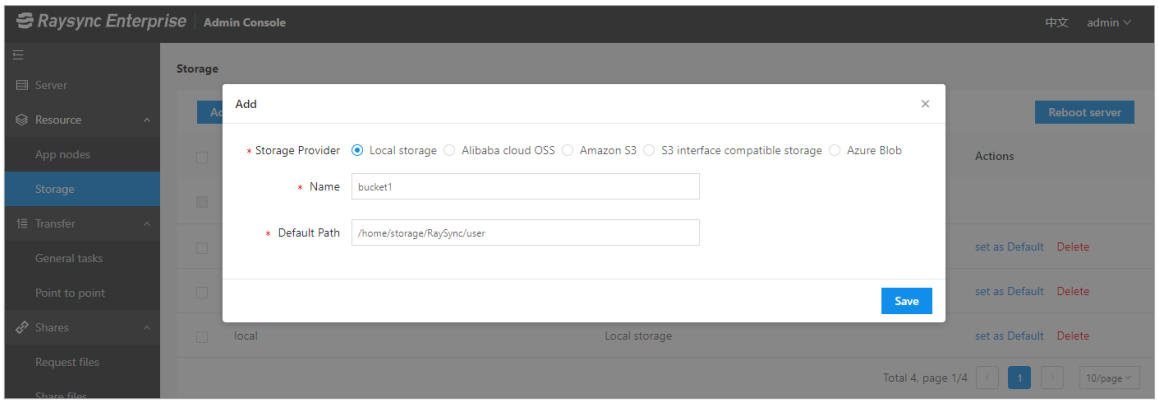
Storage is used to specify home directories and virtual directories for all users and user groups. Support config multiple storage.

2.6.2.1 Add Storage

Click [Add] button.

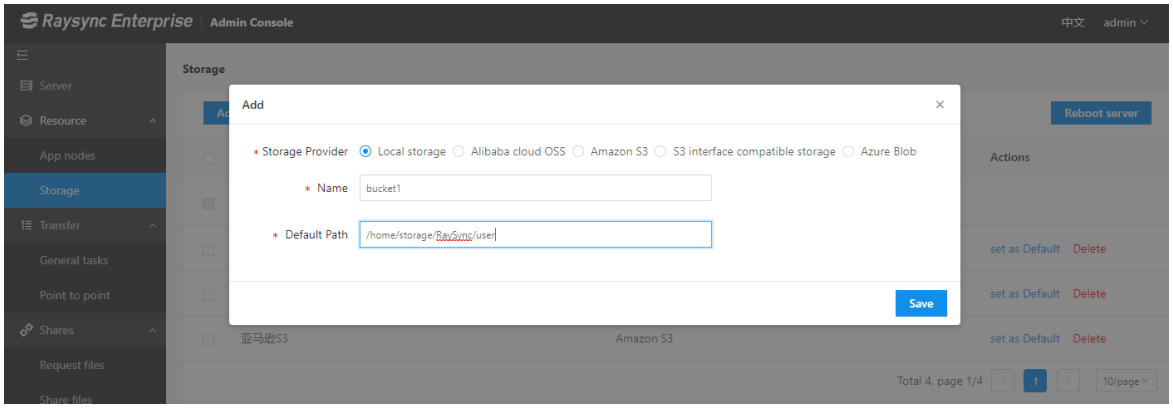


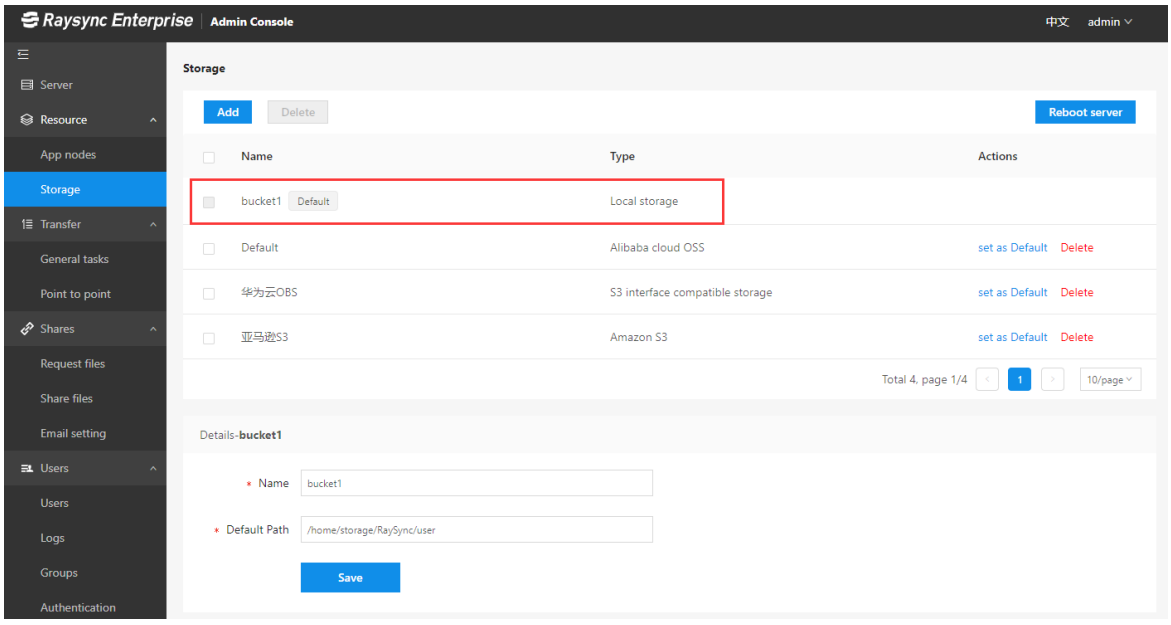
Select storage provider,input storage name and storage info, save and reboot server.
Support local storage/Ali cloud OSS/Amazon S3/Se interface compatible storage/Azure Blob.



2.6.2.1.1 Add Local Storage

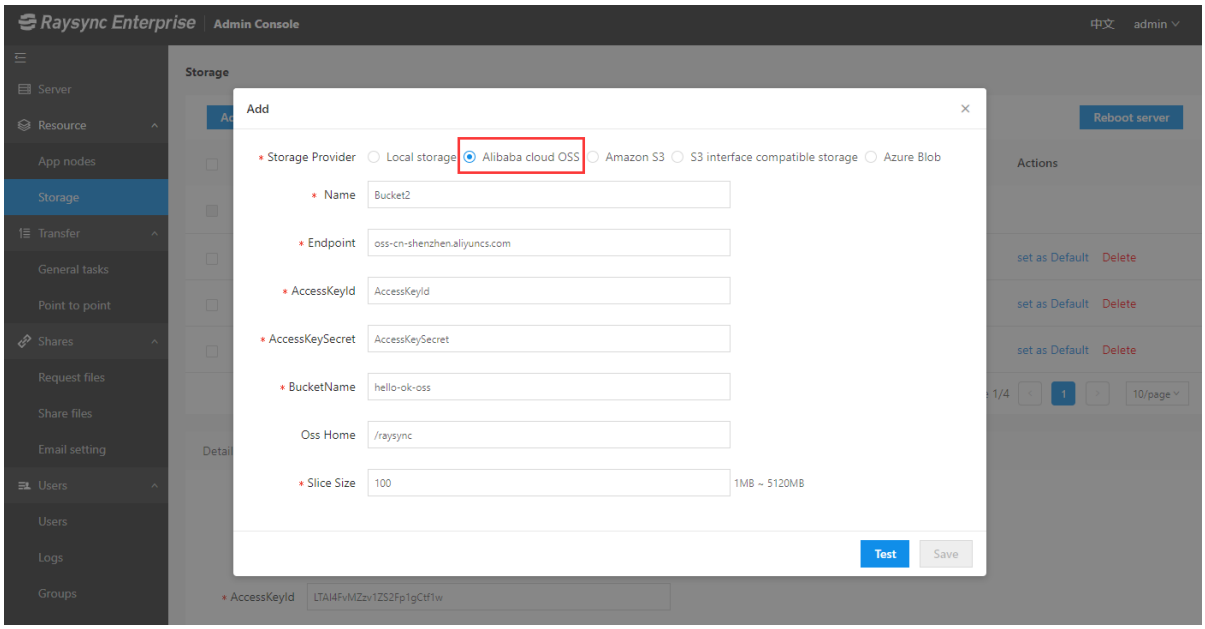
Input storage name and path,save and reboot server.





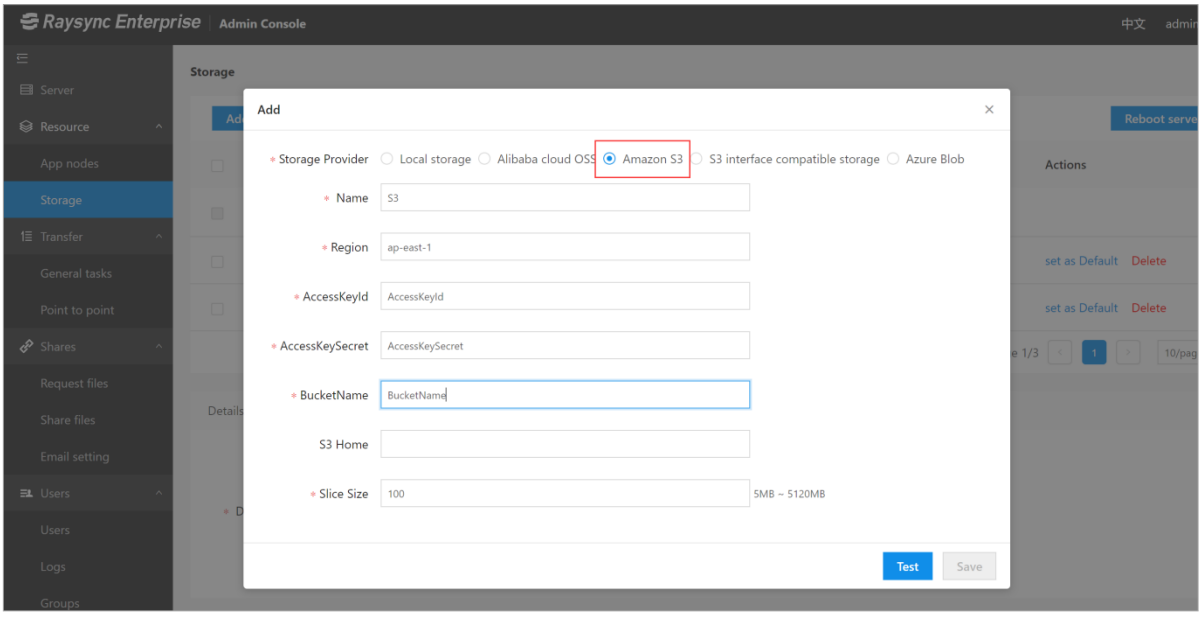
2.6.2.1.2 Add Ali-Cloud OSS 存储

Input storage name, and fill in oss config info，test and save.



2.6.2.1.3 Add Amazon S3 Storage

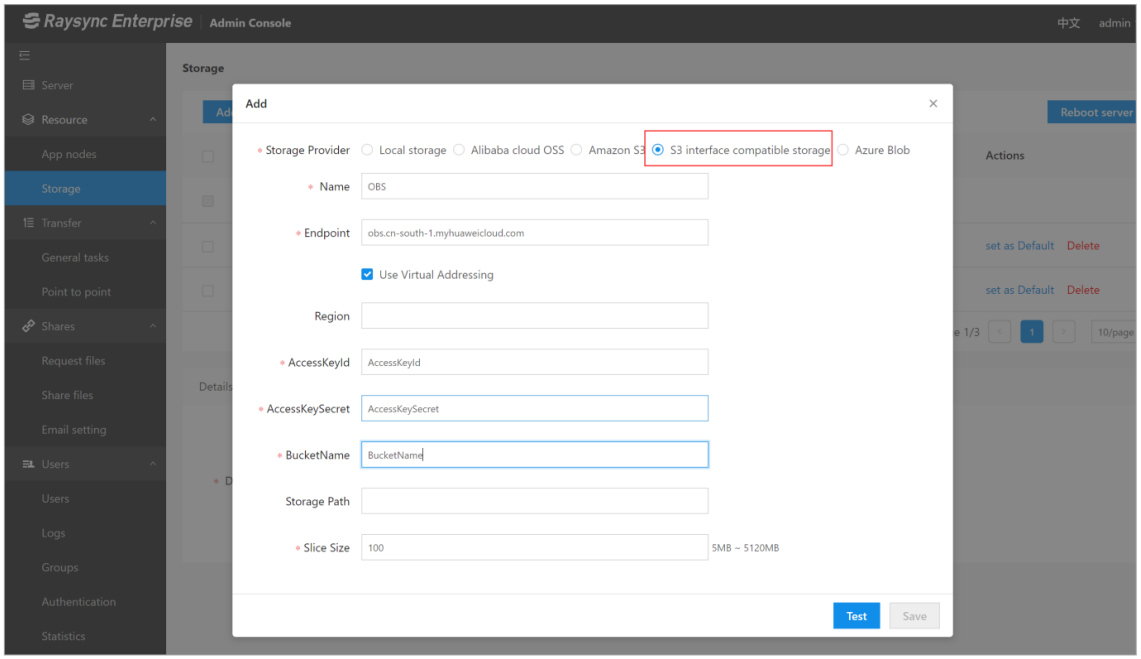
Input storage name, and fill in oss config info，test and save.



2.6.2.1.4 Add S3 Interface compatible Storage

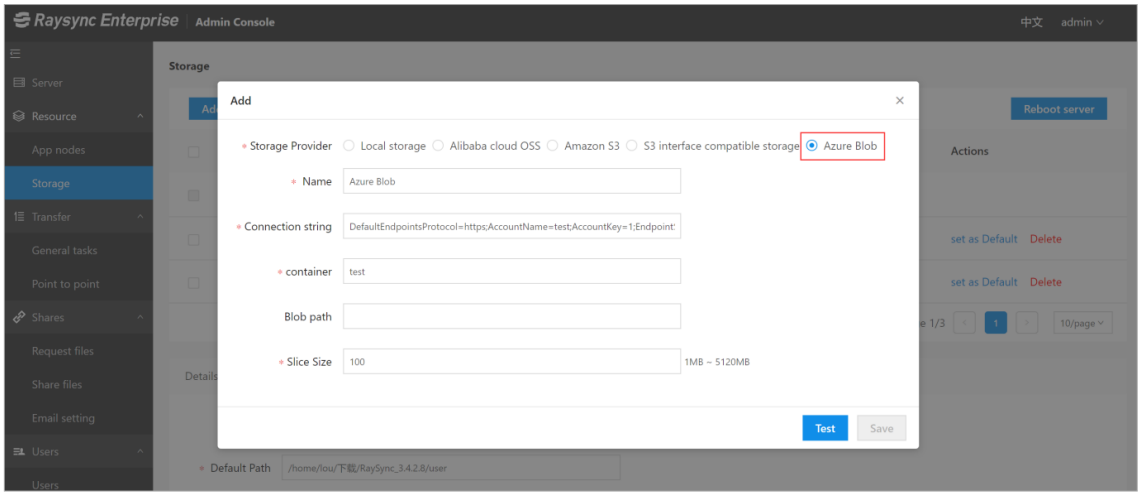
Support Huawei object storage/Tencent object storage/Jinshan object storage/Ceph object storage/Qingyun object storage/Backblaze B2 Cloud Storage Buckets/Wasabi.

Input storage name, and fill in oss config info，test and save.



2.6.2.1.5 Add Azure Blob Storage

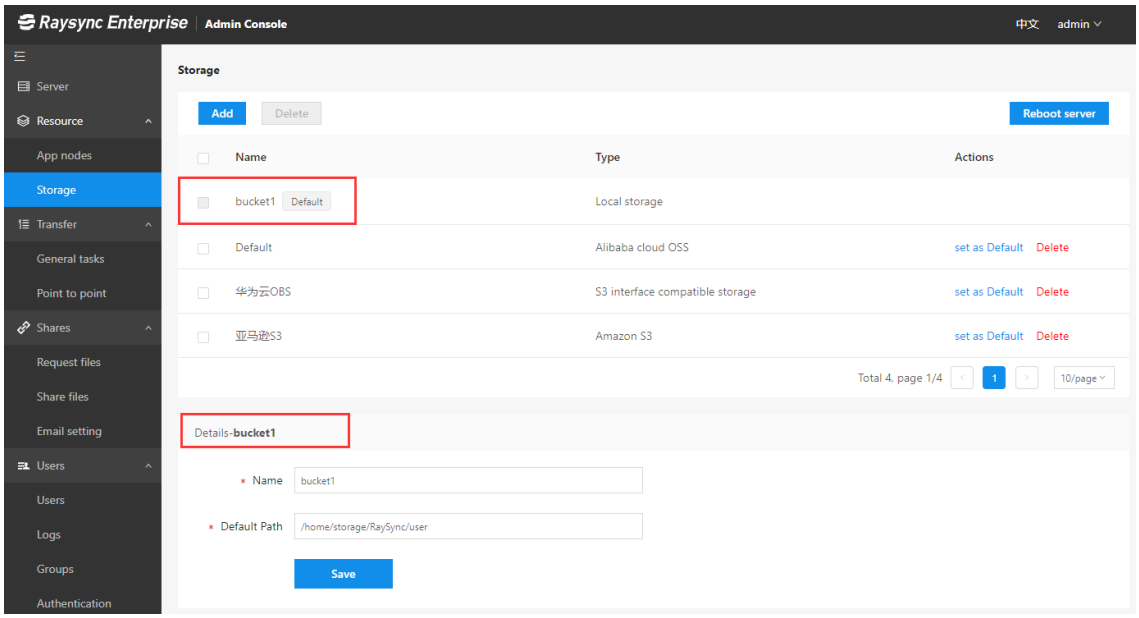
Input storage name, and fill in oss config info，test and save.



2.6.2.2 Modify storage info

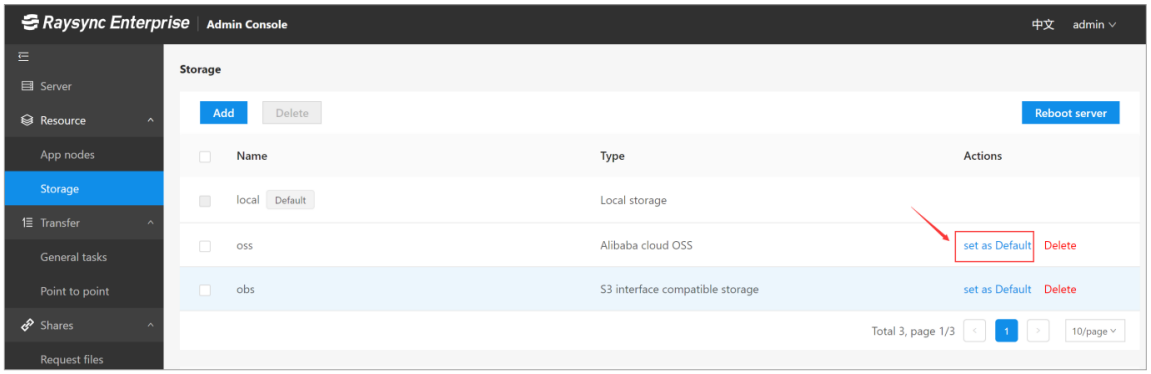
Click storage, and it will shows the details below,then you can modify info.

Tips:It requires to reboot server to take effect after modify storage info.



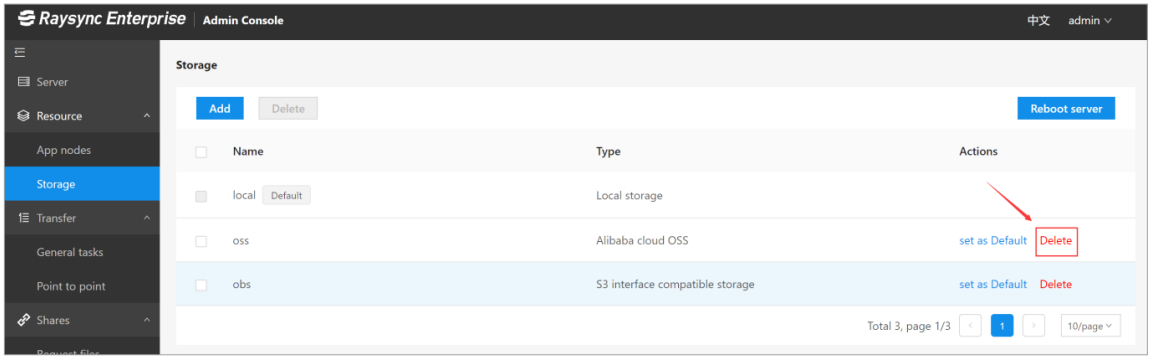
2.6.2.3 Default storage

Support setting default storage. When user and user groups have not set a home directory, the default storage here will be used as the home directory.



2.6.2.4 Delete Storage

Default storage cannot be deleted.

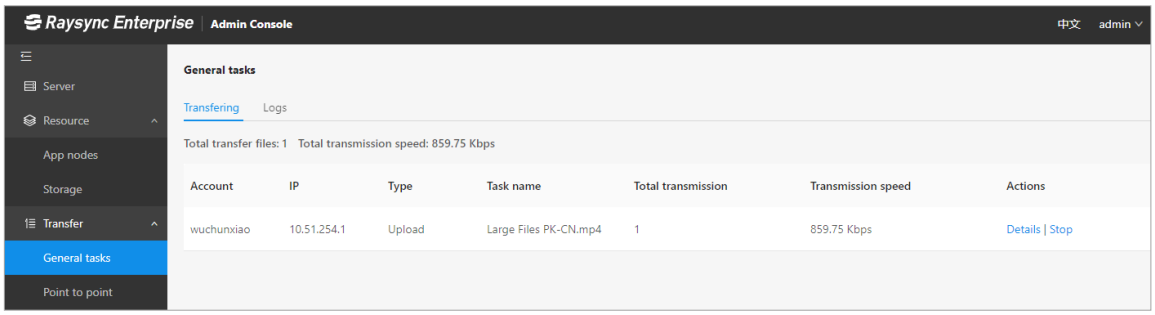


2.7 Transfer

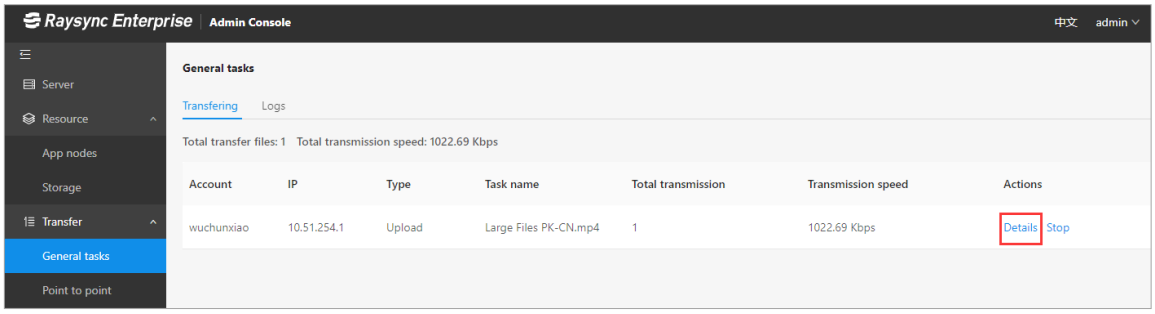
2.7.1 General Tasks

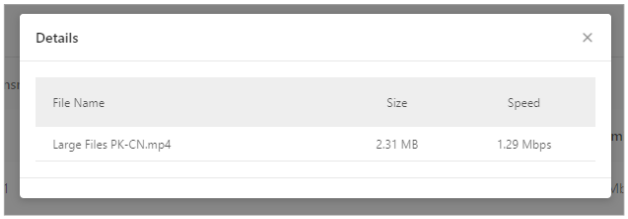
2.7.1.1 Transfering

Click【General tasks】

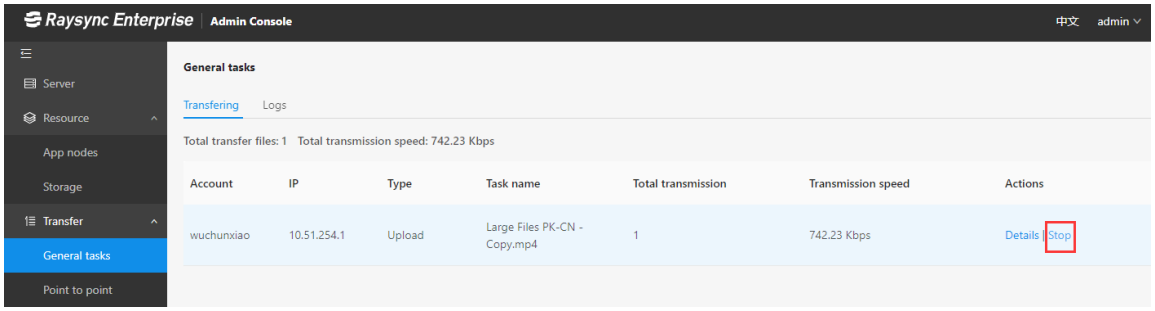


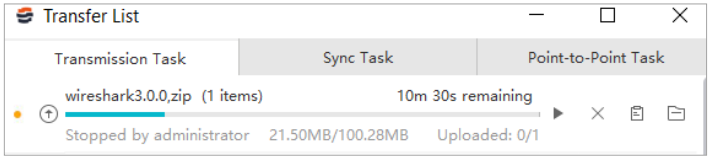
Click [Details], admin can check every file's name, size and speed.





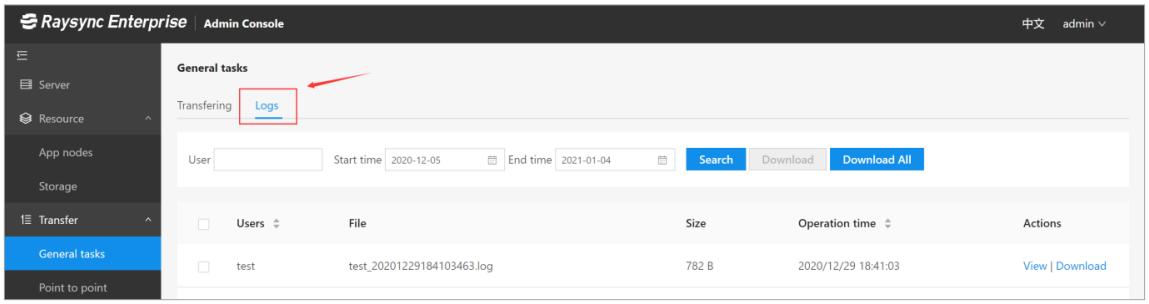
Click [Stop], admin can stop the task.



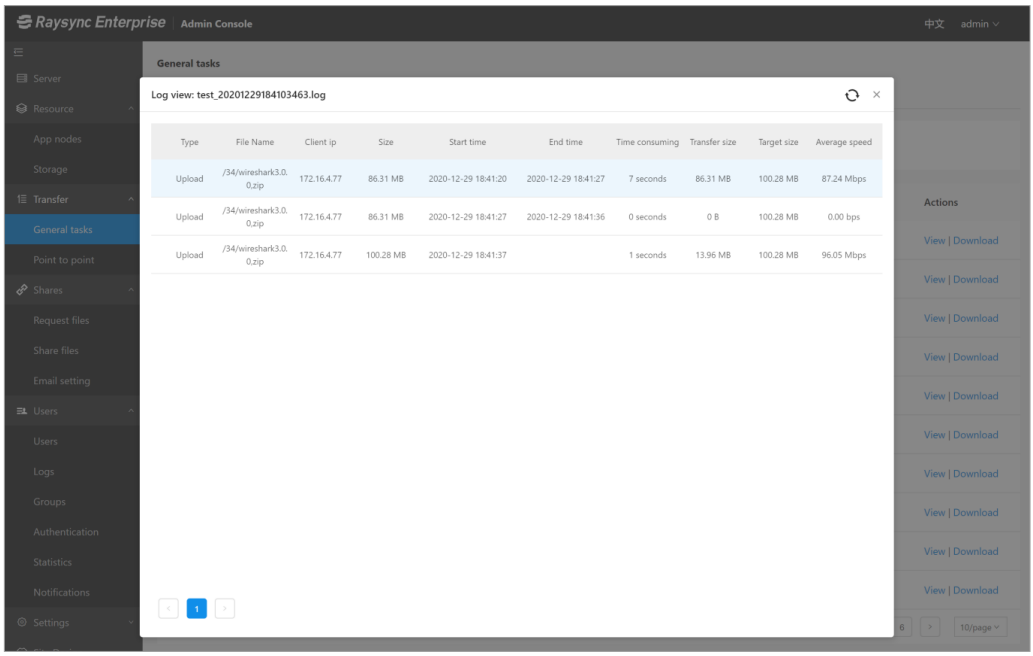


2.7.1.2 Logs

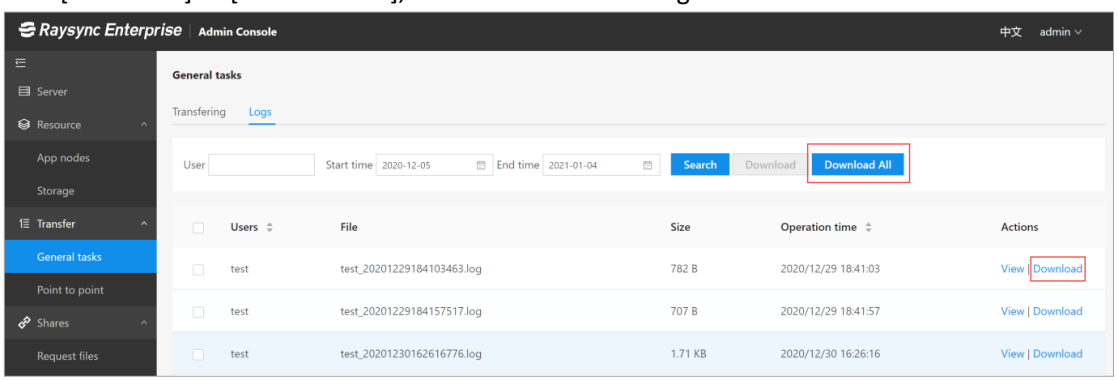
Click [Logs] , admin can view the history tasks for all users.



Click [view], admin can check the logs online.



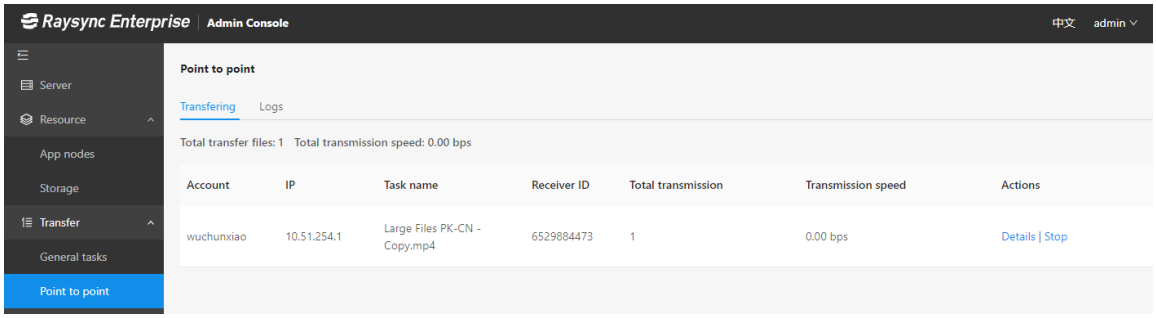
Click [Download] or [Download All], admin can download logs and check on local.



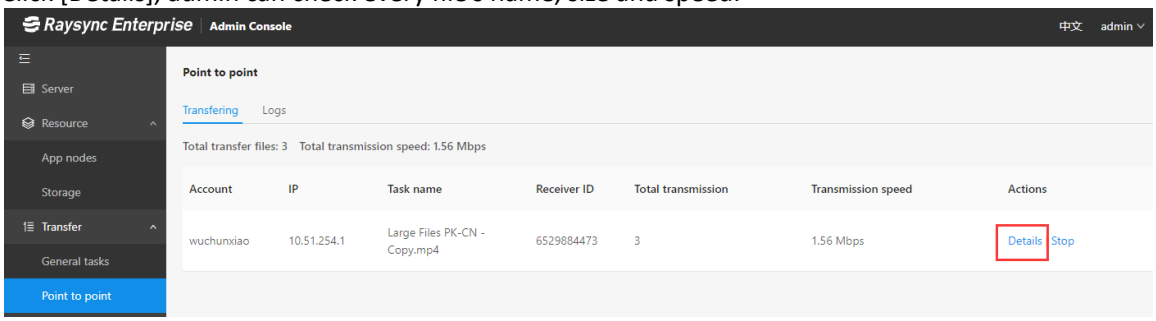
2.7.2 Point to Point

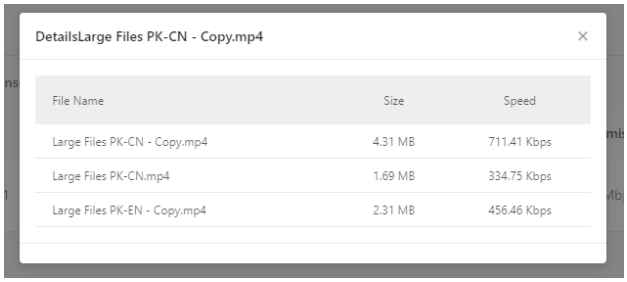
2.7.2.1 Transfering

Click【Point to point】

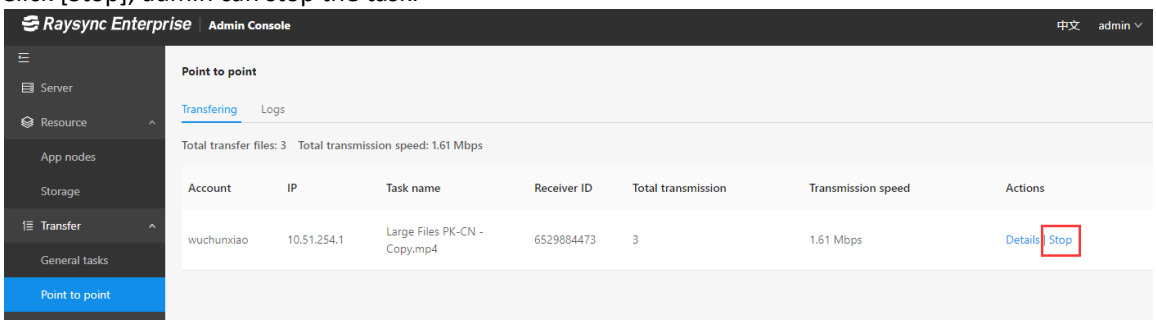


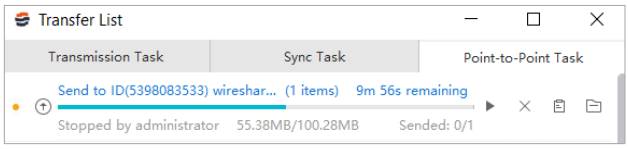
Click [Details], admin can check every file's name, size and speed.





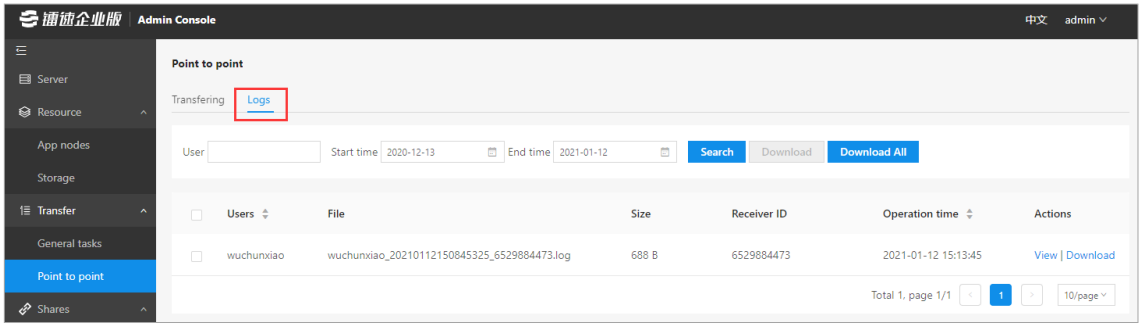
Click [Stop], admin can stop the task.



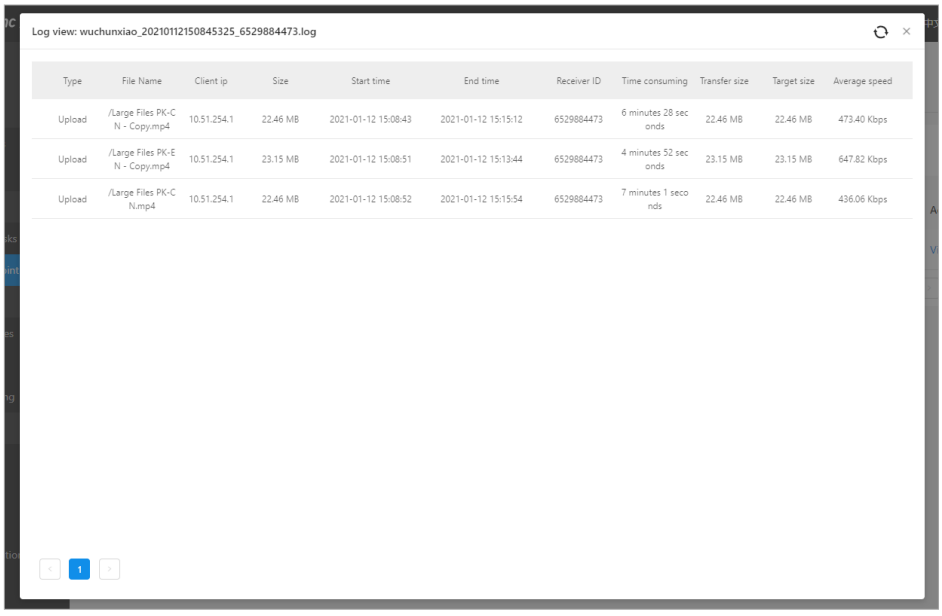


2.7.2.2 Logs

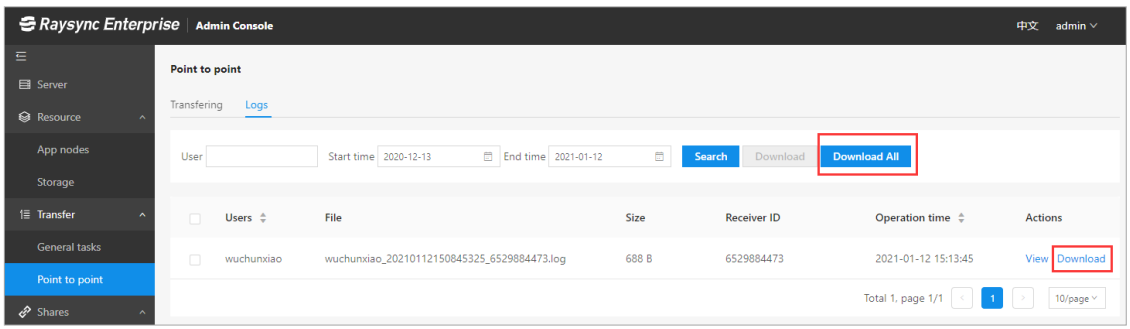
Click [Logs] ，admin can view the history tasks for all users.



Click [view], admin can check the logs online.



Click [Download] or [Download All], admin can download logs and check on local.

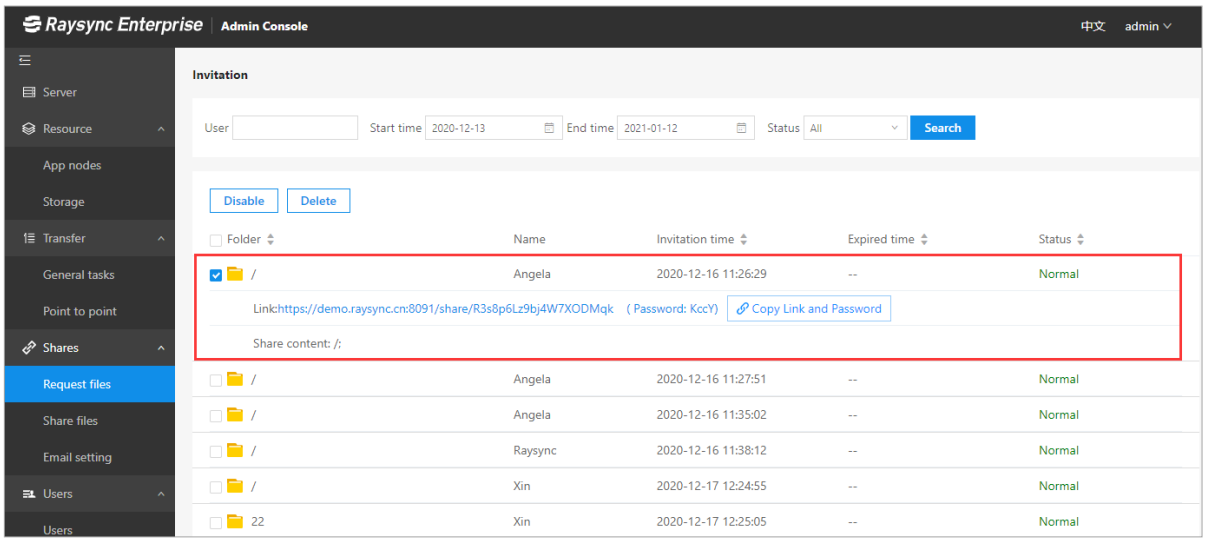


2.8 Shares

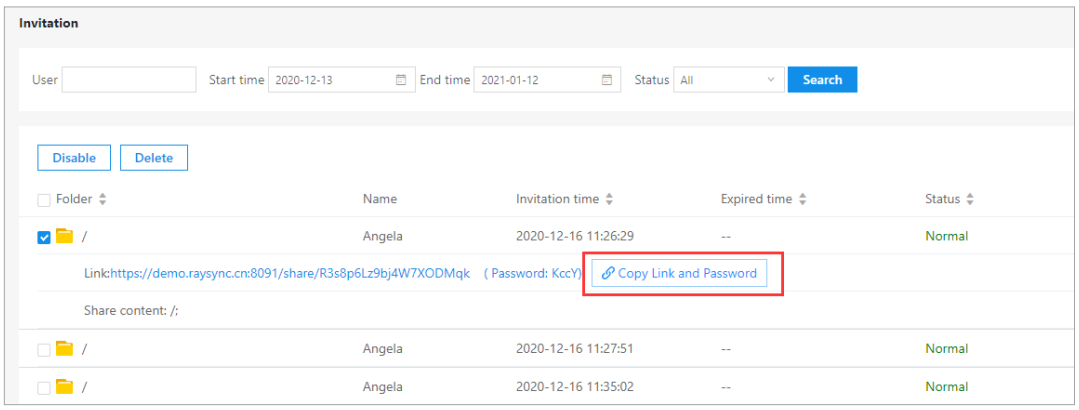
2.8.1 Request files

2.8.1.1 View Link Details

Double click item,you can see the link details.

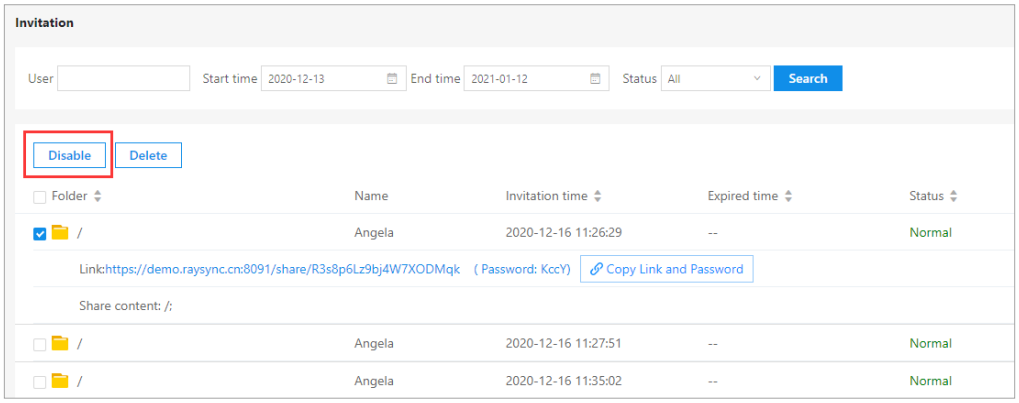


2.8.1.2 Copy Link and Password



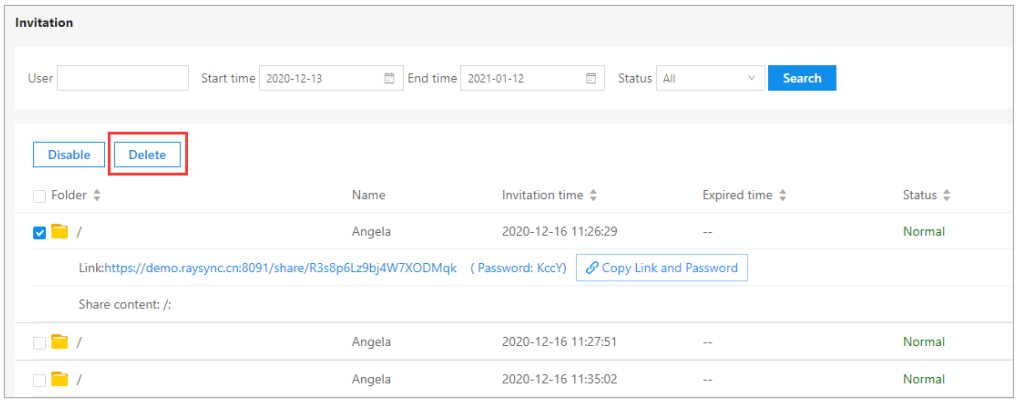
2.8.1.3 Cancel Links

Select any share link and click [Disable]



2.8.1.4 Delete Links

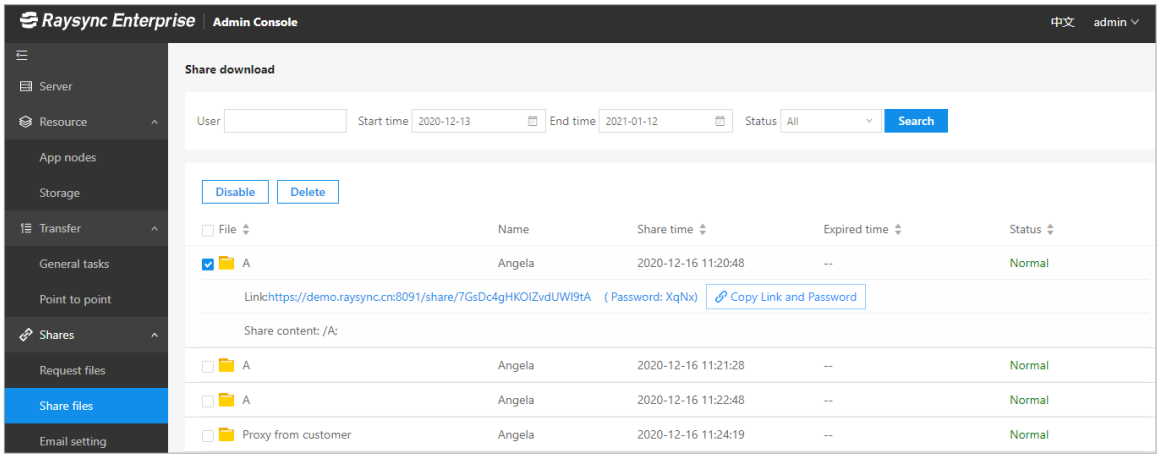
Enter the Invitation to Upload interface, select any share link and click [Delete Invitation]



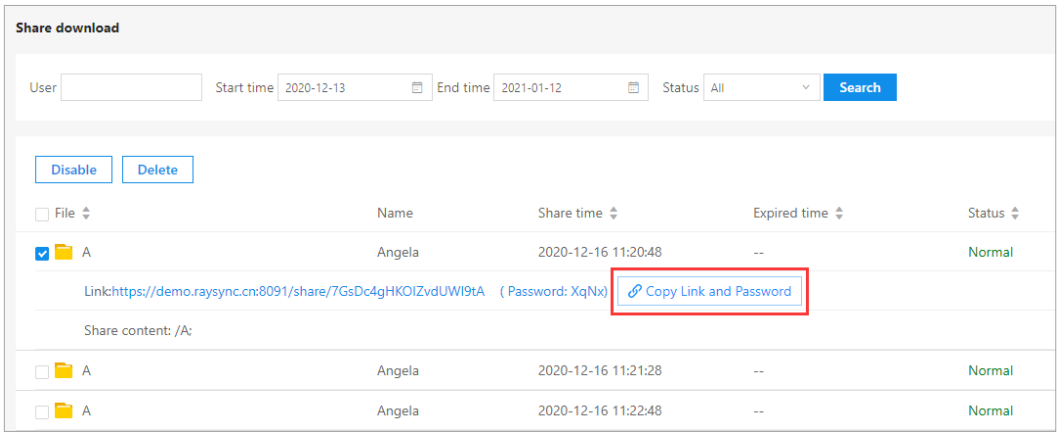
2.8.2 Sharing Files

2.8.2.1 View Link Details

Double click item,you can see link details.

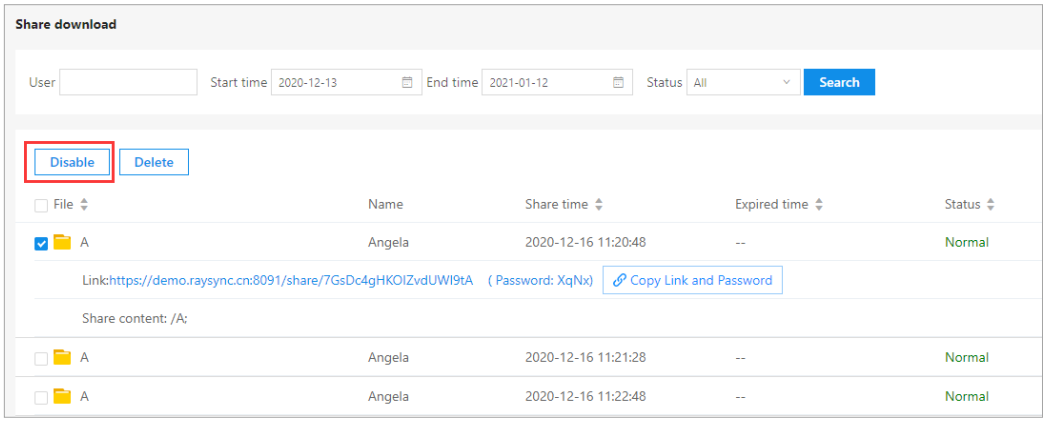


2.8.2.2 Copy Link and Password



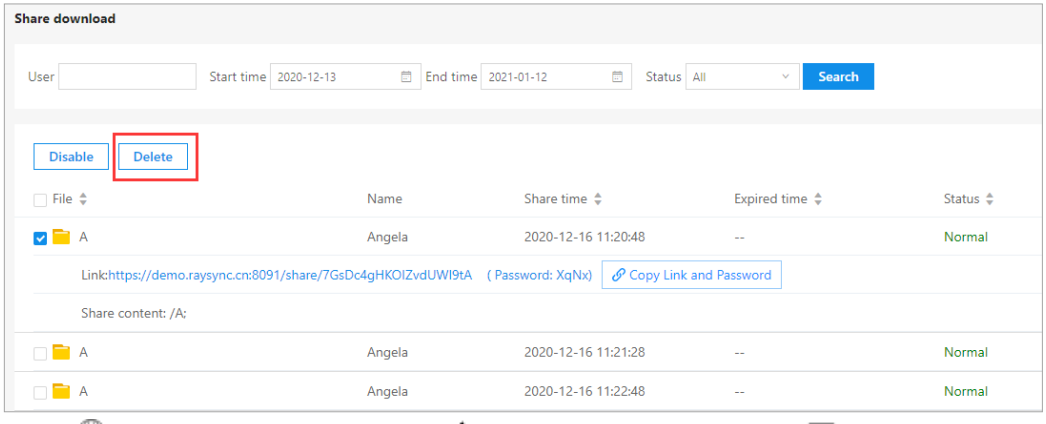
2.8.2.3 Disable Links

Select any share link, click [Disable]



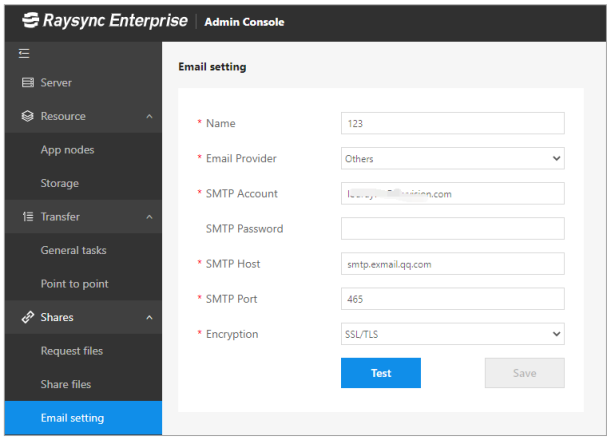
2.8.2.4 Delete Links

Enter the Sharing Download interface, select any share link, click [Delete link]



2.8.3 Email Setting

Configure the email server when sending notification during sharing download/invitation to upload. Support mainstream mailbox: Gmail、AOL、iCloud、MSN、Microsoft365、Outlook、Hotmail、Live、yahoo、Others

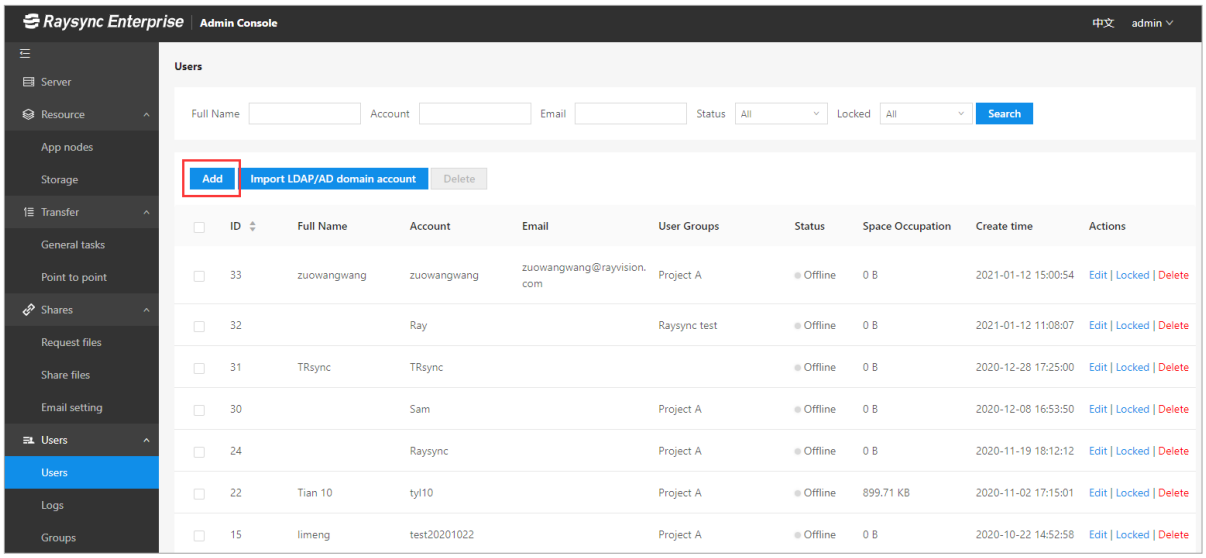


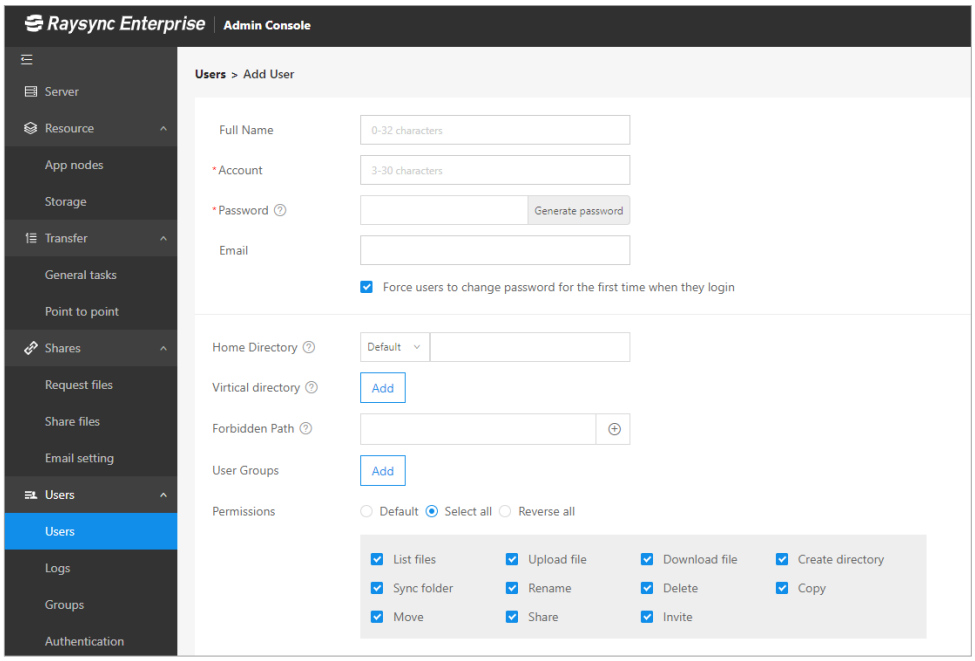
2.9 User Management

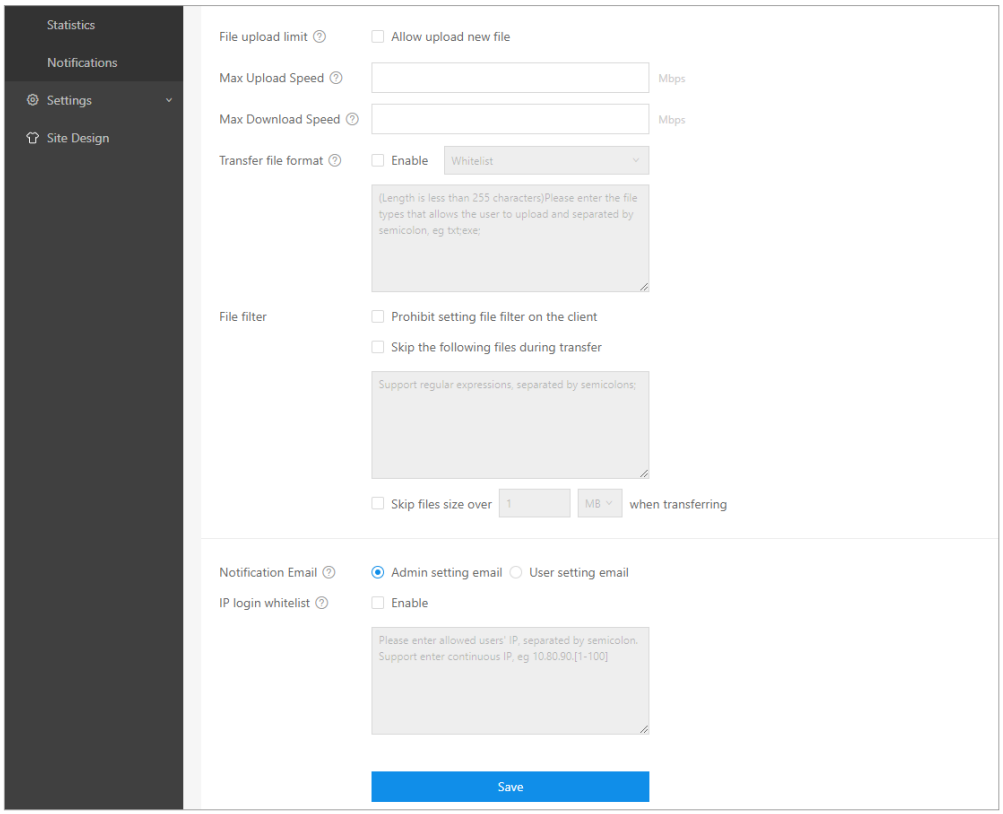
2.9.1 Users List

2.9.1.1 Add user

Click [Add]





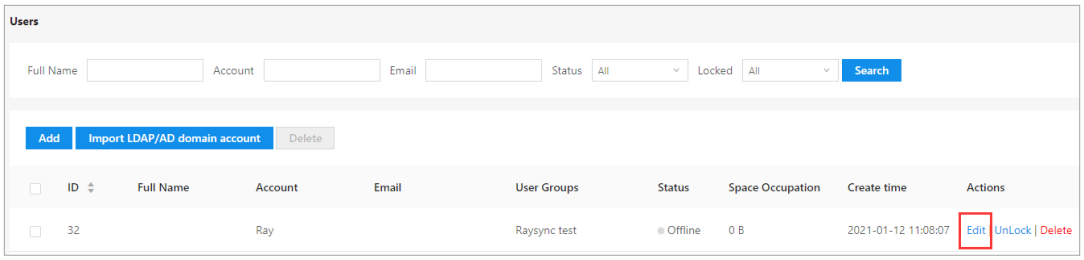


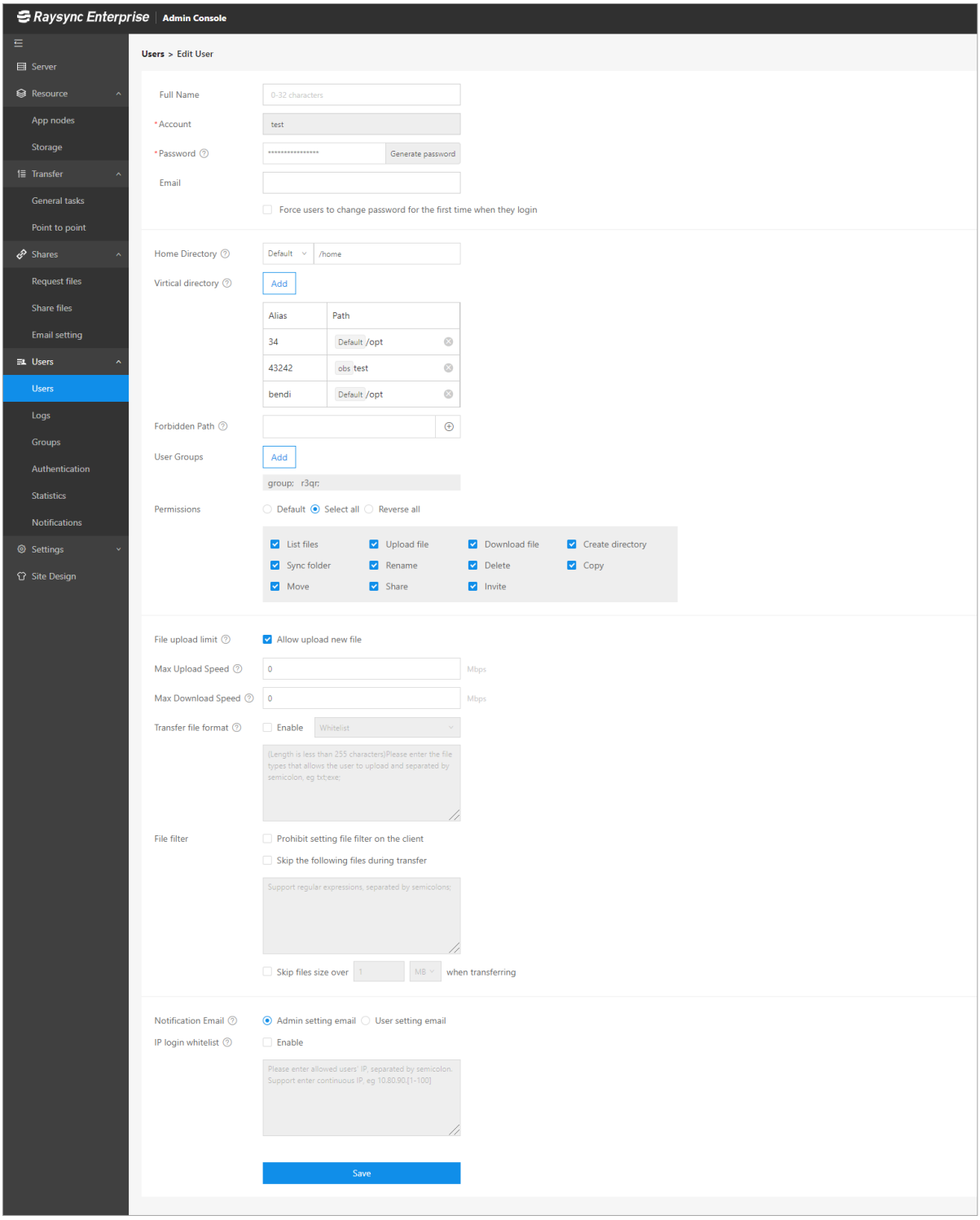
Function	Description
Full name	Account real name
Account	Cannot be modified after successful creation
Password	Support to be edited manually or automatically generated
Email	Support email login
Force users to change	After enabling, the user will be forced to change the initial password after

Function	Description
their password for the first time when they login in	logging in for the first time
Home Directory	Set the root directory for user
Virtual Directory	Support adding multiple virtual directories.After admin adding virtual directories, the user can view the directory after login. Virtual directory alias: based on a path in the user's home directory. Virtual directory path: a valid path based on virtual storage.
Forbidden Path	Set the forbidden access path. The user cannot display the file (folder) of this path after login
User Groups	One user can be added to multiple user groups at the same time
Permissions	File list, download, delete, rename, create folders, upload files, synchronize folders
File Upload Limit	The target file in the storage already exists, the user will fail to upload the same file after enabled.
Max Upload Speed	It is unlimited if set to 0
Max Download Speed	It is unlimited if set to 0
Transfer File Format	The transmission file format is divided into whitelist and blacklist. The whitelist is used to configure the file formats that the system allows to upload. The blacklist is used to configure the file format that the system does not allow to upload.
File Filter	1) Support prohibiting user setting file filter on the client. 2) Support skipping files with file names that meet certain conditions during transfer (support regular expressions). For example, if you want to filter files that start with test , input ^test.* 3) Support skipping files whose file size exceeds the set size during transmission.
Notification Email	Admin setting email: Sending share link notification will be from admin email User setting email: Sending share link notification will be from user email. User need to config email on web after user login.
IP Login Whitelist	Only IP addresses in the whitelist are allowed to login after enabled. supports continuous segments. For example, IP from 192.168.0.1 to 192.168.0.100, can be written as 192.168.0.[1-100].

2.9.1.2 Edit user

Select any user and click [Edit].

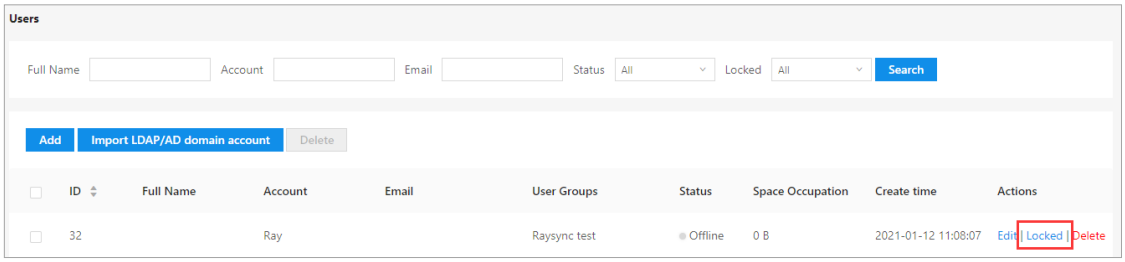




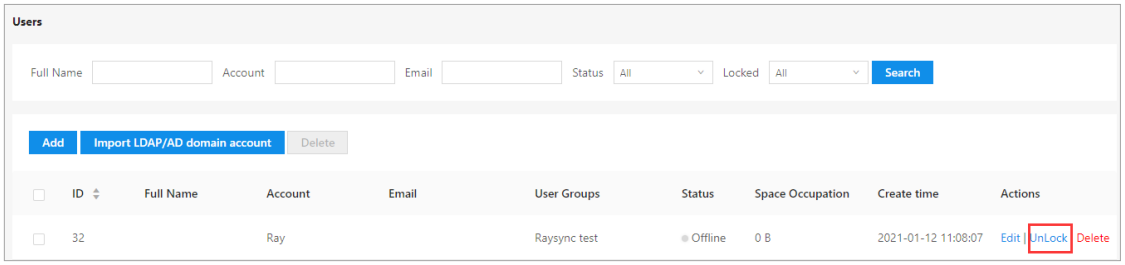
Website: www.raysync.io Tel: +86 18681593969 Email:support@raysync.io

Click [Save].

2.9.1.3 Lock User

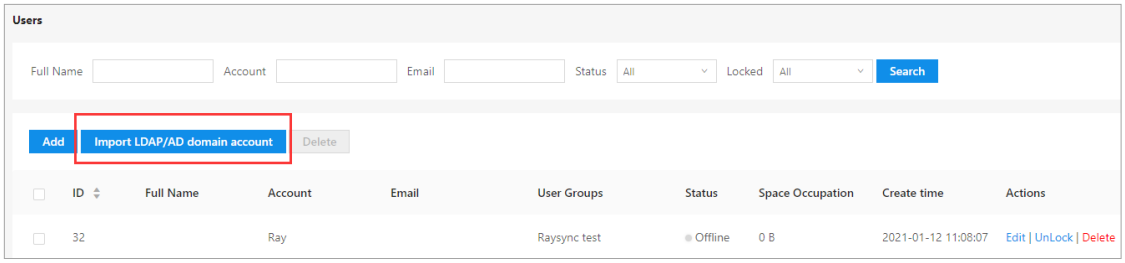


2.9.1.4 Unlock User



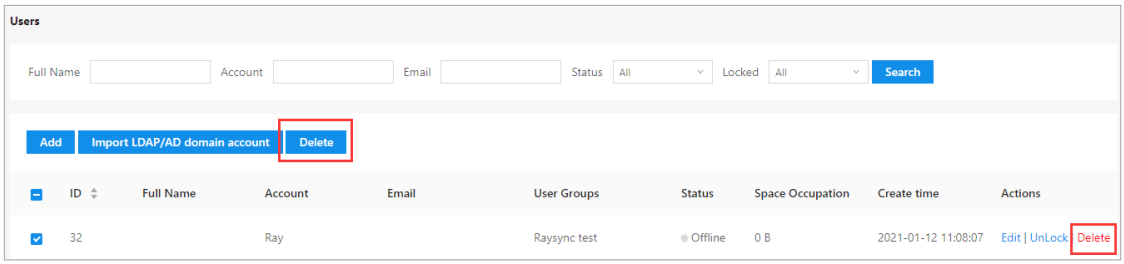
2.9.1.5 Import LDAL/AD domain account

Click [Import LDA[/AD domain account] to automatically import all domain user accounts created by the domain server after you have configure [LDAP/AD doman] in the [Third-party auth].



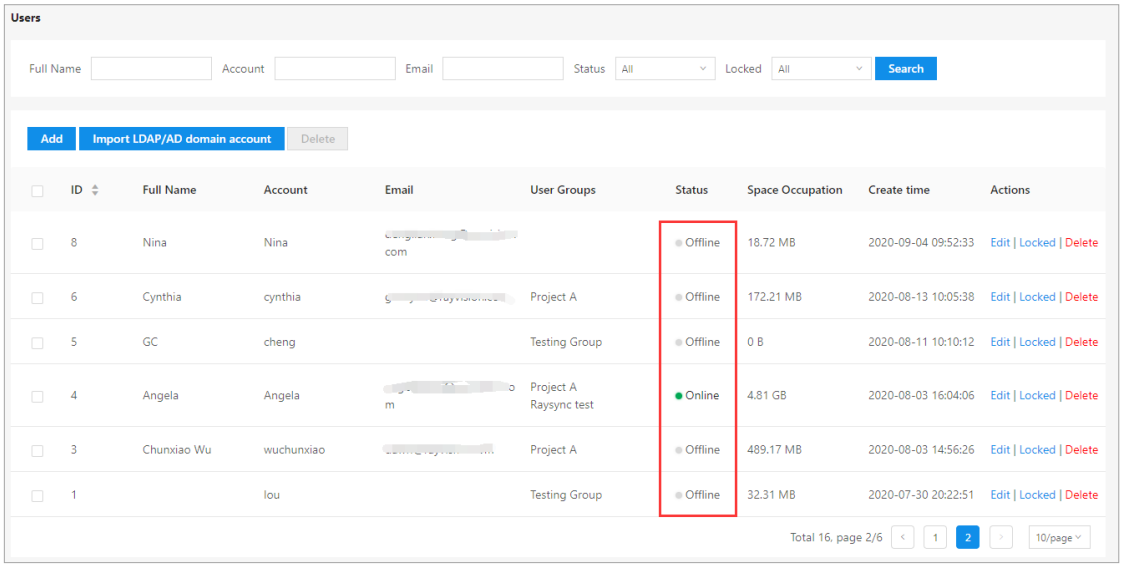
2.9.1.6 Delete users

Click [Delete] button to delete users account.

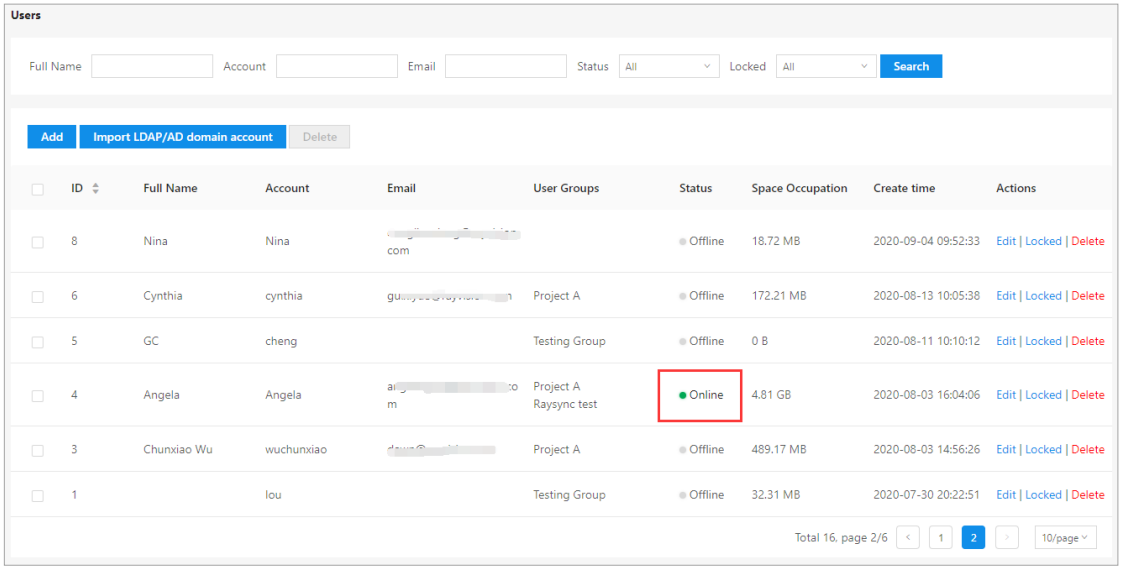


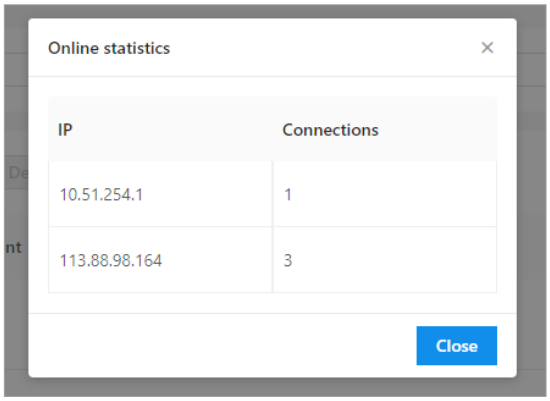
2.9.1.7 Check user online status

You can check users online status.



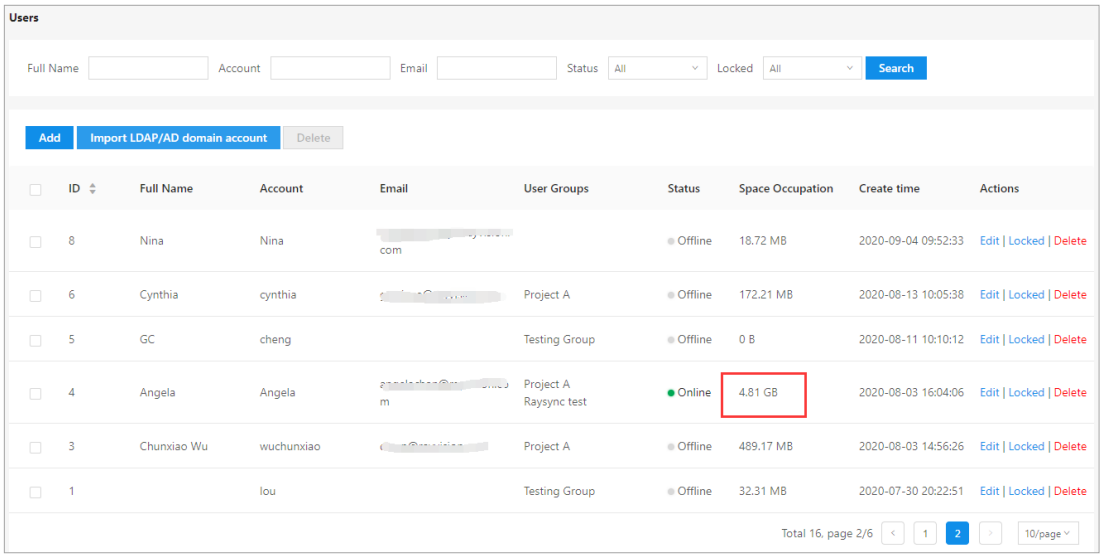
Click status, it will show online statisctics including IP addresses and clients connecting numbers.



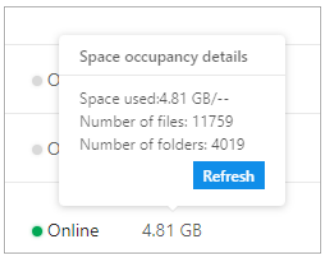


2.9.2 User space occupancy statistics

Support statistic on the occupancy of every user personal space. The admin management will count the user's space usage in real time when users perform operations such as uploading, copying, moving, creating, and deleting files.

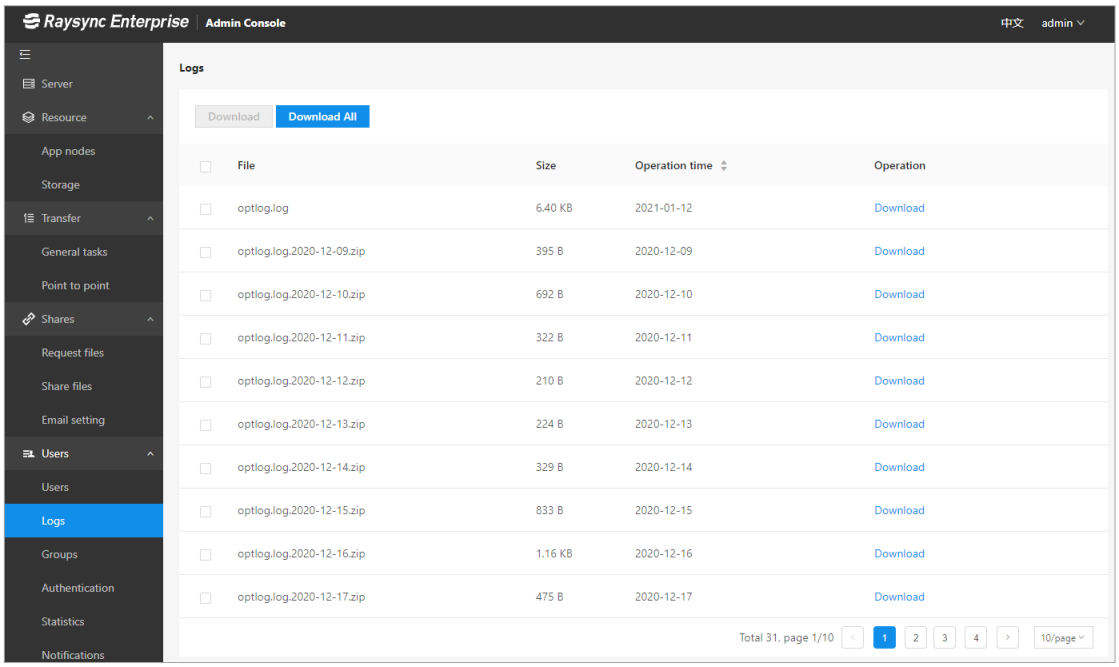


Click the user's space size, you can view the details of space occupation, including space usage , number of files, and number of folders.



2.9.3 User Operation Records

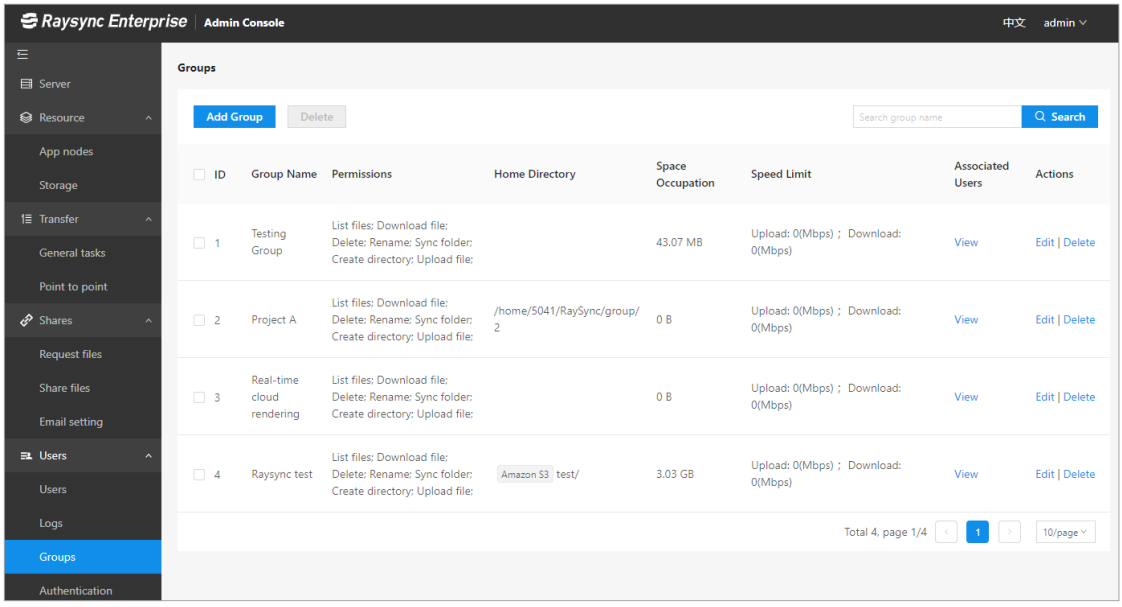
Enter to view the user operation records.



You can view the user's login,logout,file operations, user's log can be downloaded and viewed locally.

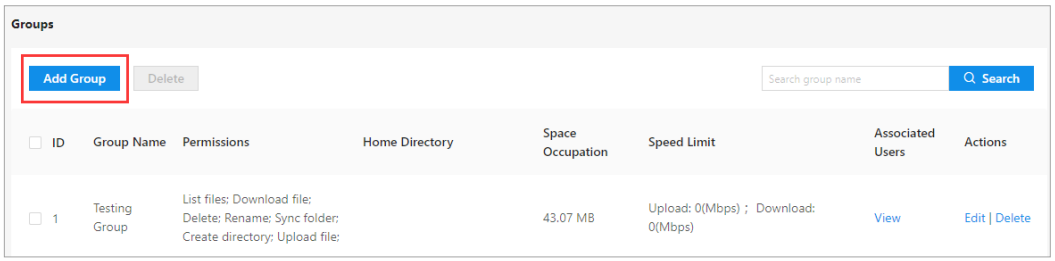
2.9.4 User Group

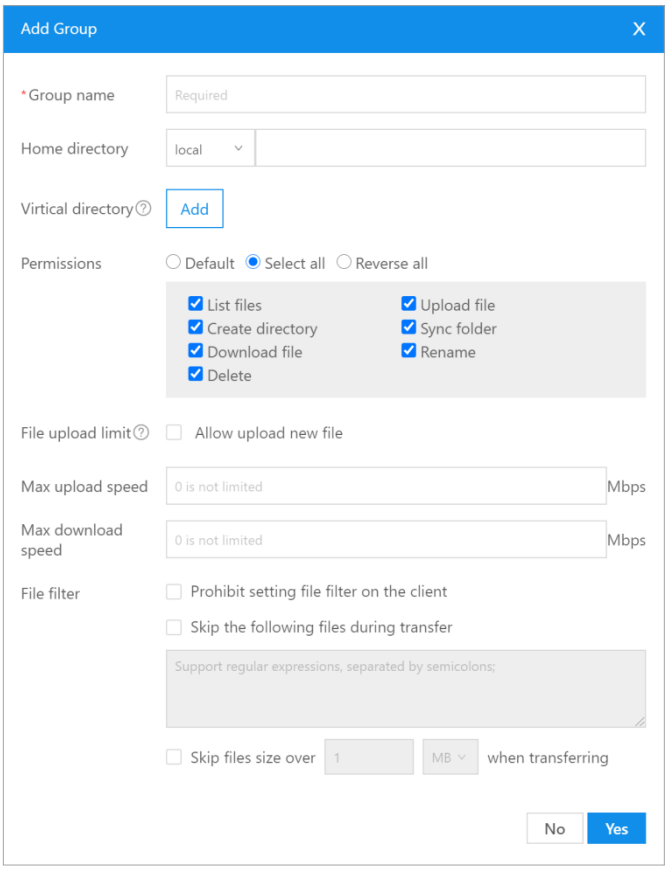
Admin can group users and configure independent storage space for each group. At the same time, it supports file operation permission management and transmission speed control of user group members.



2.9.4.1 Add User Group

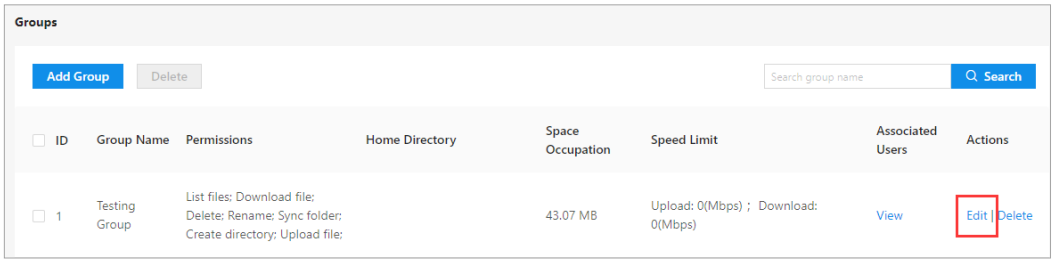
Click [Add Group] to add a new user group



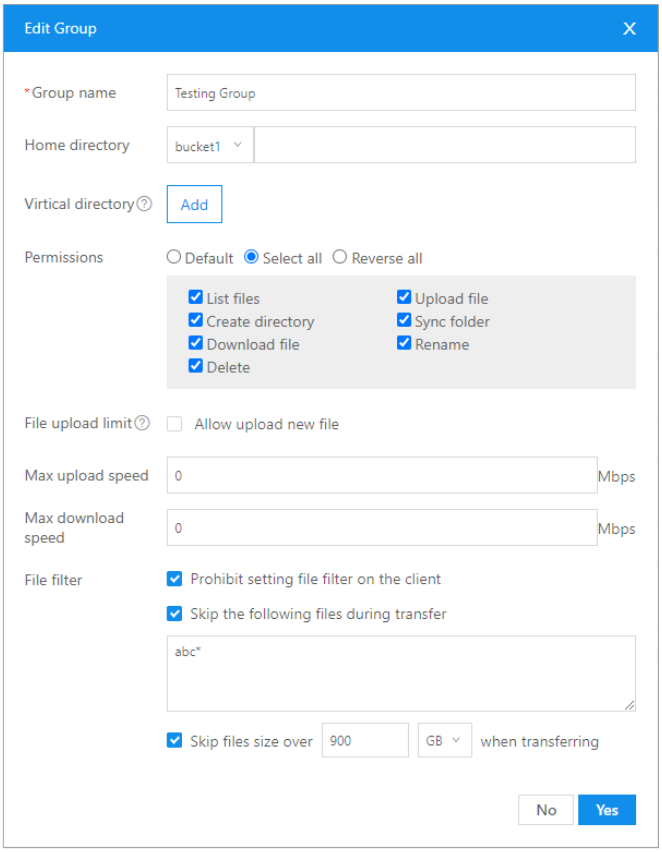


2.9.4.2 Edit User Group

User Management - User Group, select user group and [Edit]

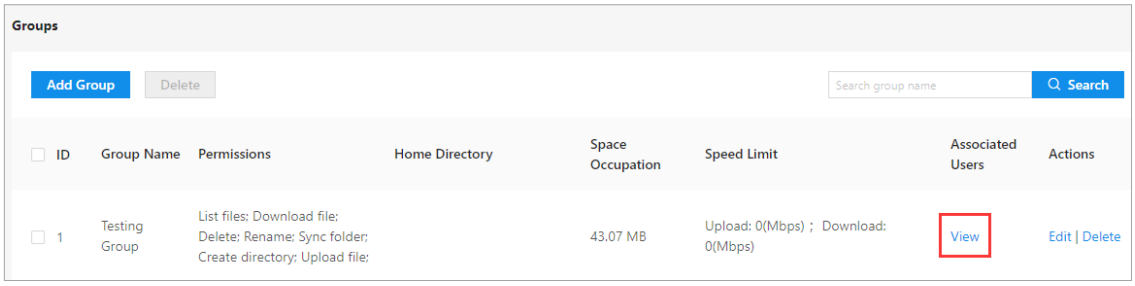


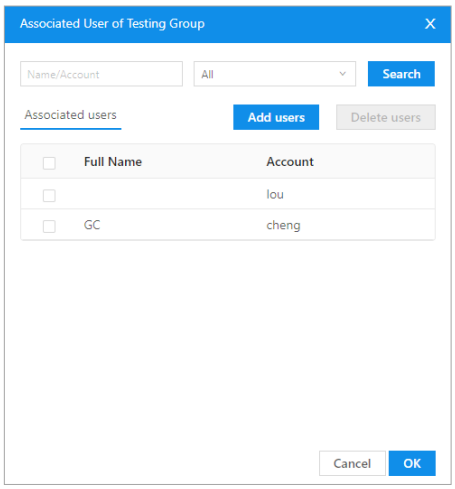
Edit user group information



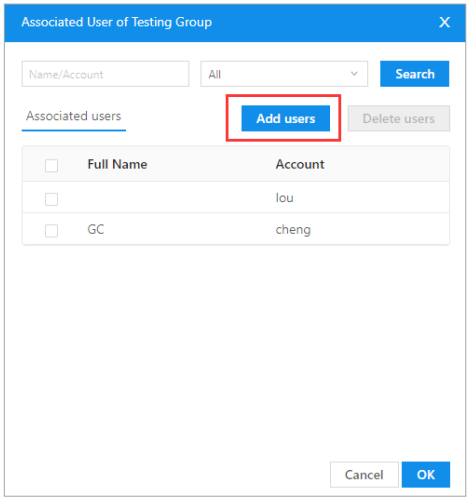
2.9.4.3 View User Group Members

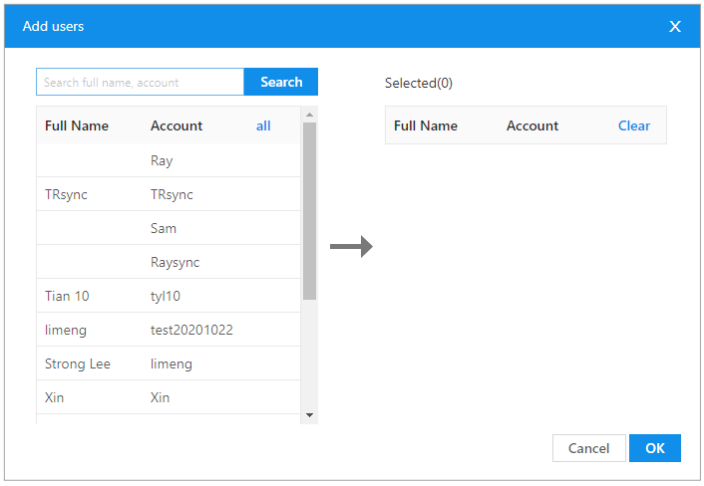
Click [View] to list all users



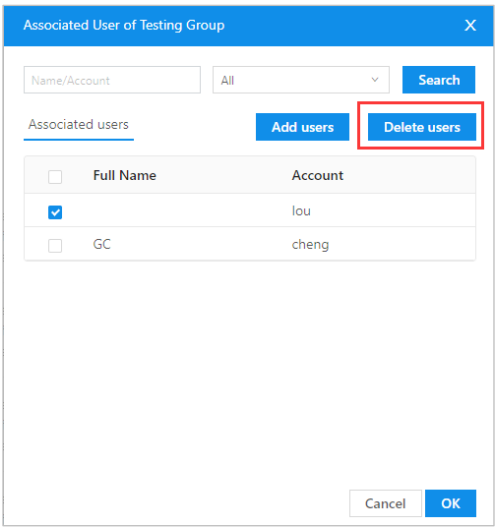


2.9.4.4 Add Users in User Group

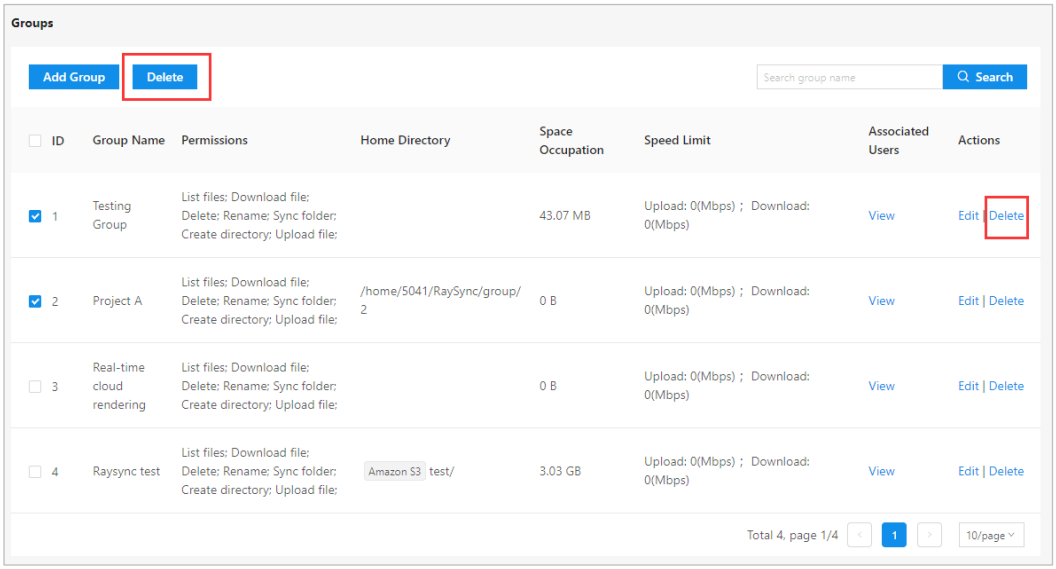




2.9.4.5 Delete Users in User Group

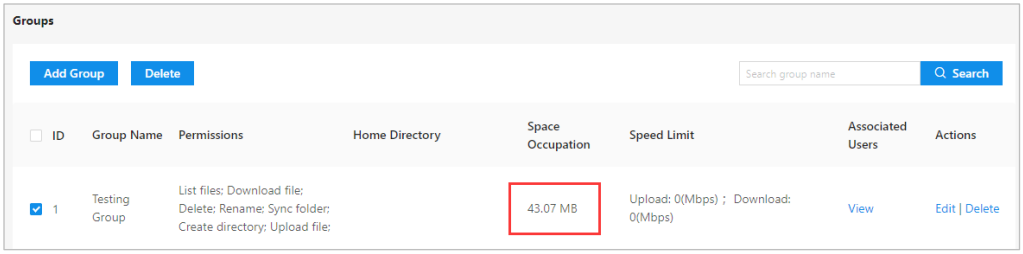


2.9.4.6 Delete User Group

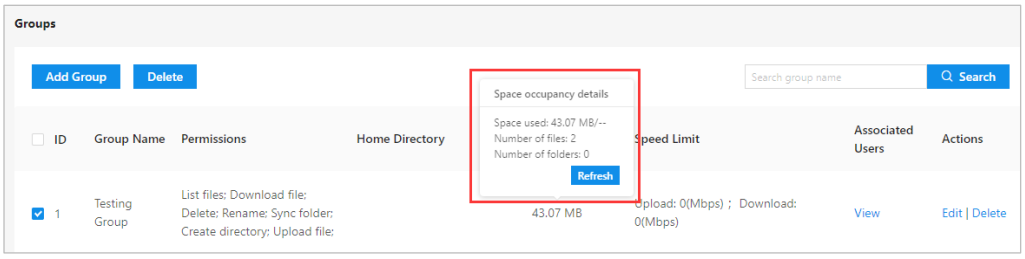


2.9.4.7 User group space occupancy statistics

Support statistics on the occupancy of user group space.

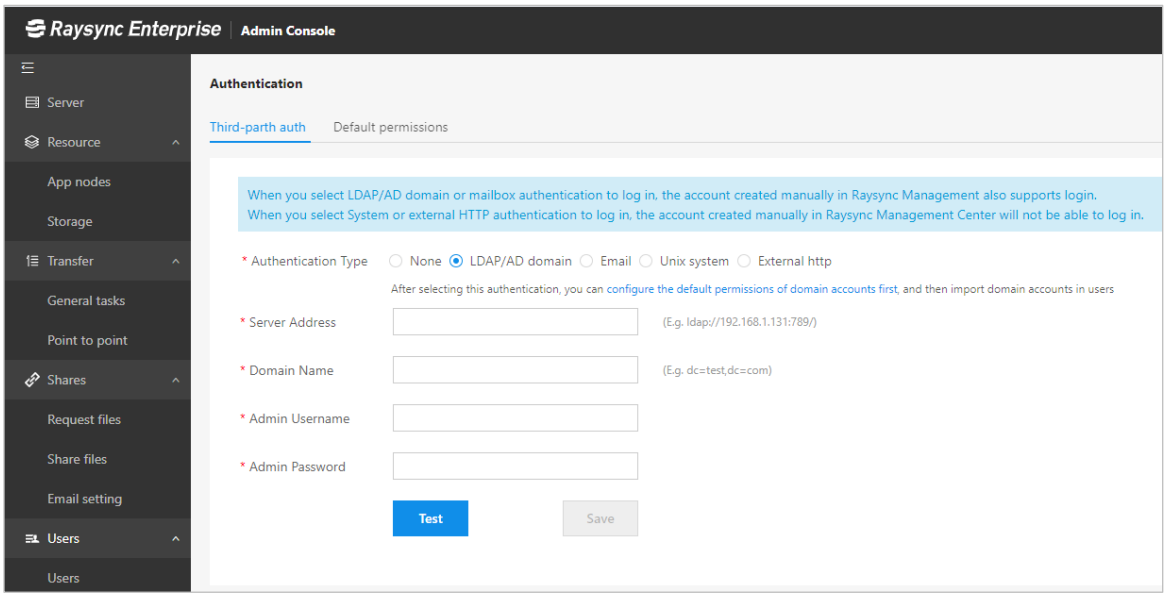


Click space occupation value and check the details,includes space used size,number of files,and number of filders.



2.9.5 Login Authentication

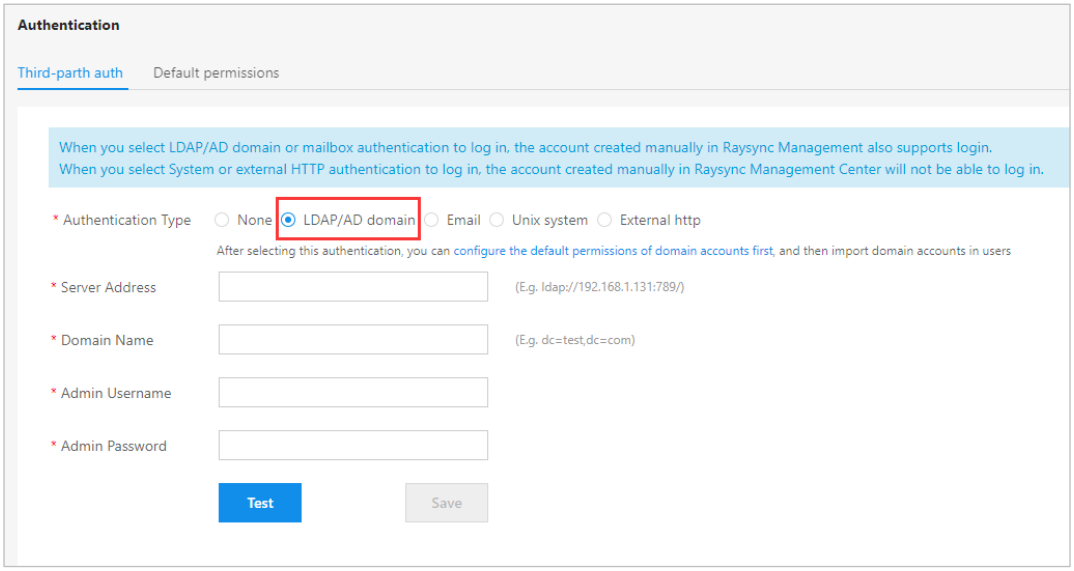
Support LDAP/AD domain/email/linux system/external http authentication to login raysync.



2.9.5.1 LDAP/AD Settings

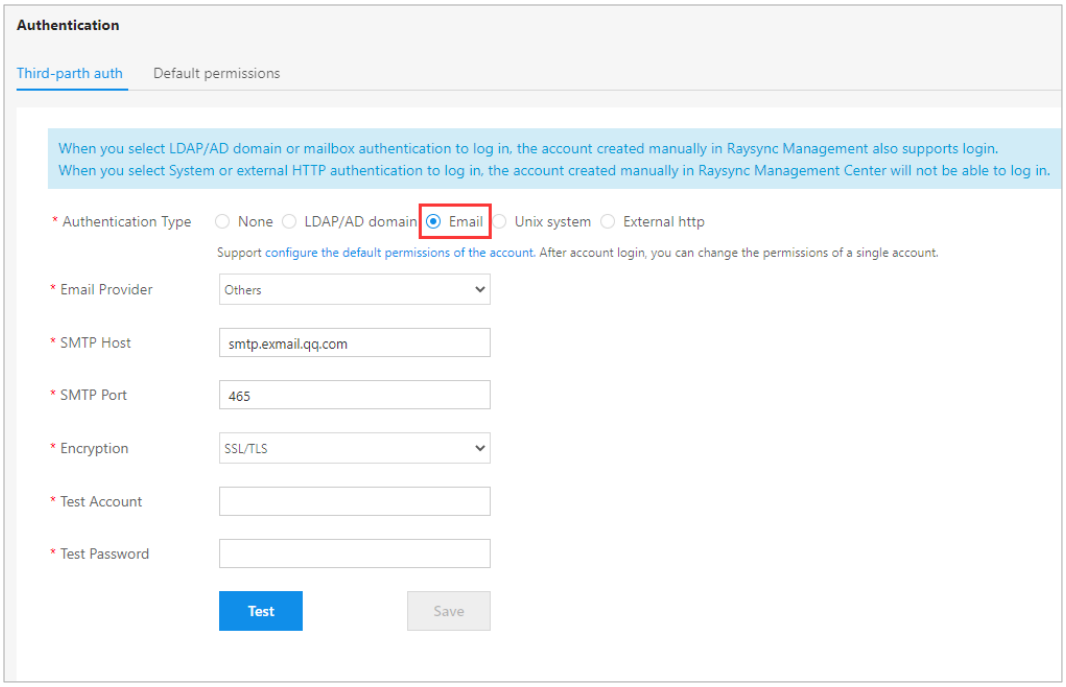
Configuring AD domain is supported to provide better import user operations for enterprise users. Fill in the correct domain server address / domain name / domain administrator account / domain administrator password, and click [test]. Test pass indicates that the information is filled in correctly.

Click [Save] to make domain keep authentication



2.9.5.2 Email Authentication

Fill in the correct SMTP Host, SMTP port, encryption method used, test account and password, and click [test]. Test pass indicates that the information is filled in correctly.
Click [Save] to take effect.

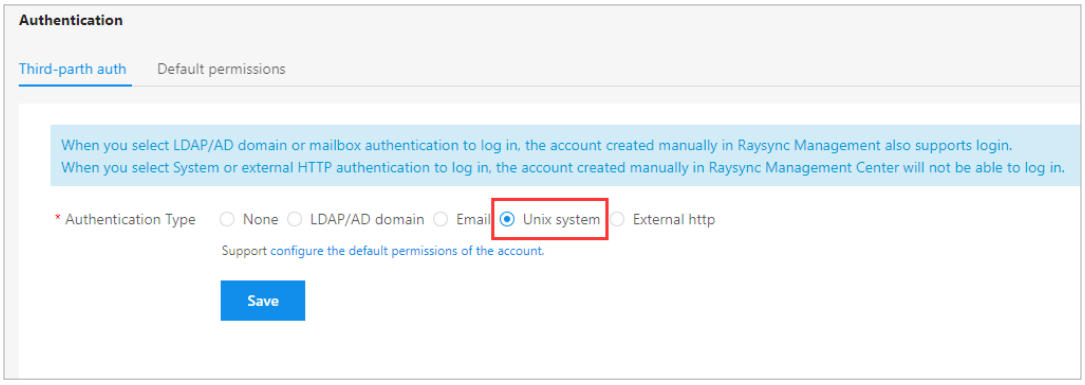


2.9.5.3 Unix System Authentication

The raysync service started with root permission or sudo permission of the Linux system supports configuration of user authentication of the Linux system.

Select [Unix system], click [Save].
After the configuration is successful, you can directly use the linux system user account and password to log in to the raysync speed service.

Tip: If it is a raysync service started by ordinary linux system users, there is no authority to perform this configuration.

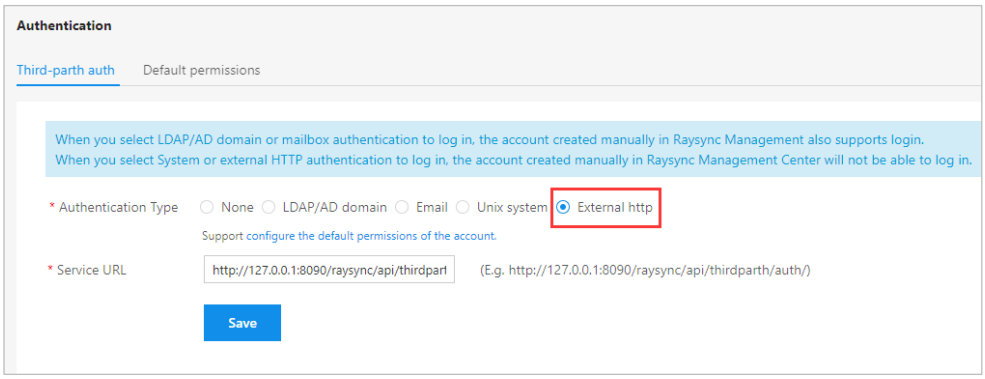


2.9.5.4 External Http Authentication

Select [External http], enter the correct service URL, and click Save.

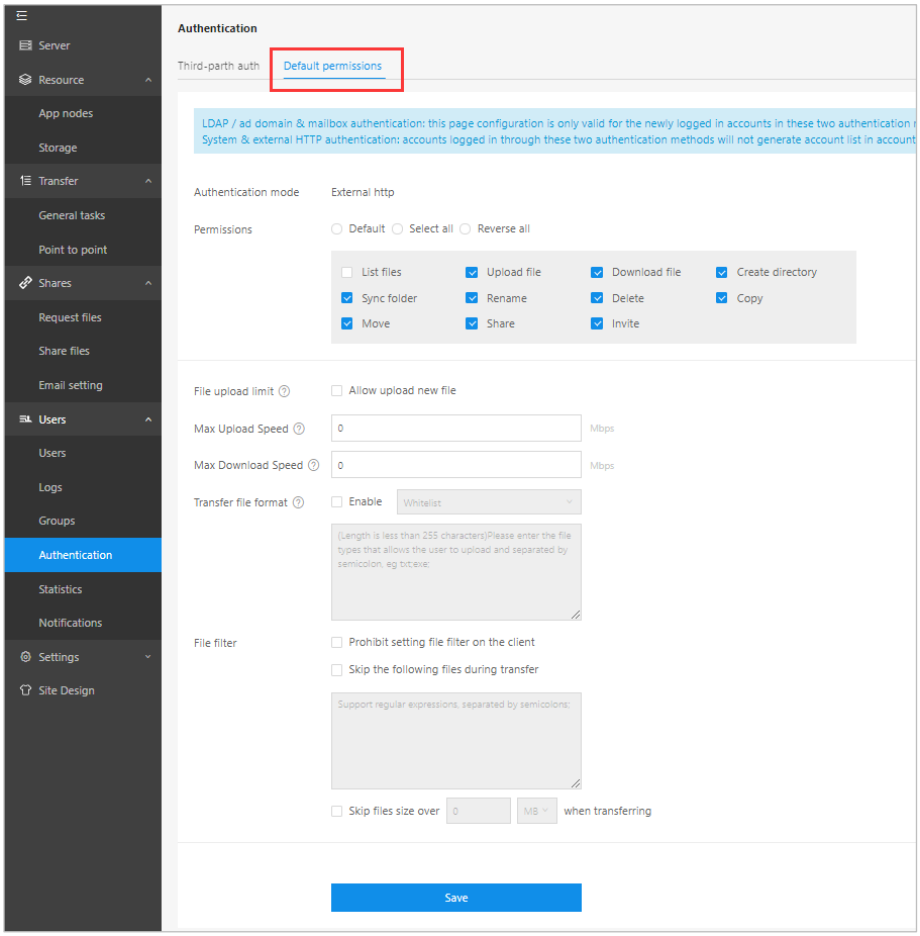
After the configuration is successful, you can directly use the user account and password of the

configured external http service system to log in.



2.9.5.5 Default Permissions

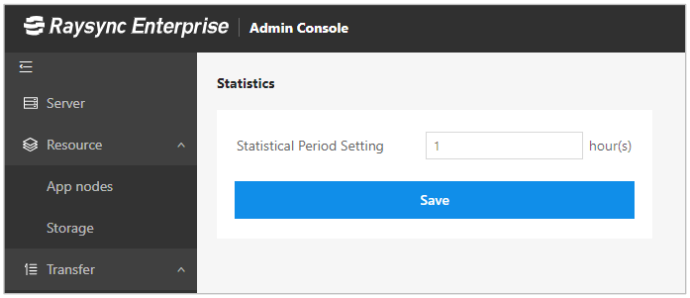
After config authentication, admin can set default permissions for the users.
Tips: LDAP / ad domain & mailbox authentication: this page configuration is only valid for the newly logged in accounts in these two authentication methods. The configuration of the logged in account can be modified through the account information list.
System & external HTTP authentication: accounts logged in through these two authentication methods will not generate account list in account information, so if you need to change account configuration, edit this page.



2.9.6 Space Statistics

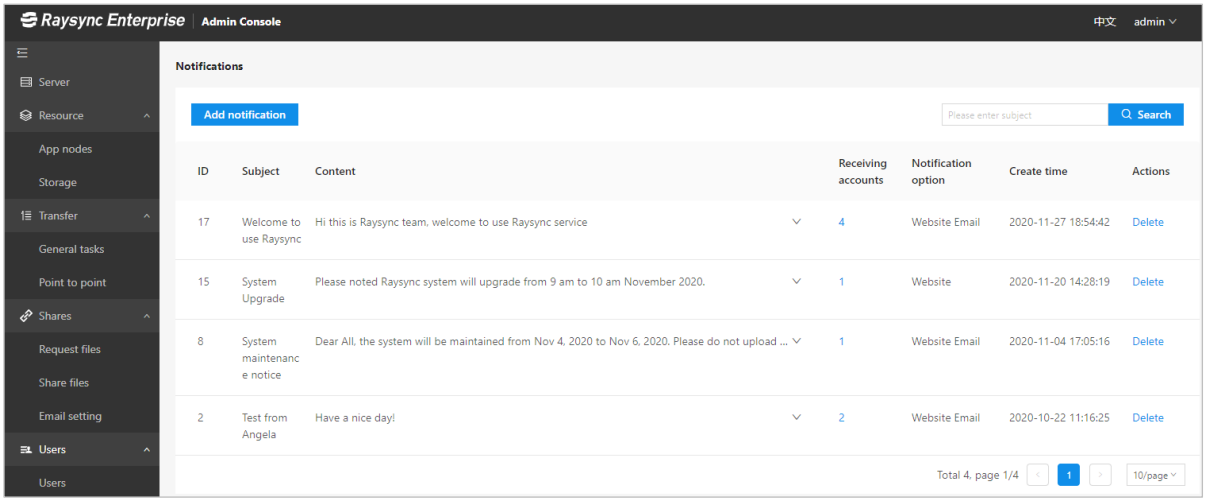
Support configuration space statistics period.

If configured to 1 hour, the system will automatically count the space occupied by users and user groups every 1 hour.



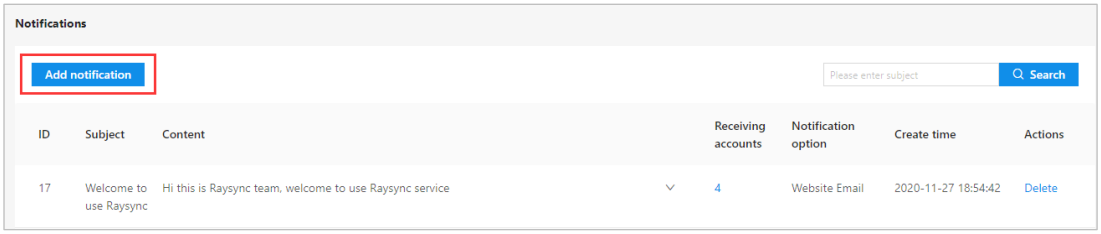
2.9.7 Send Notification

Administrators can choose specified accounts to send notifications with web notification and email notification.

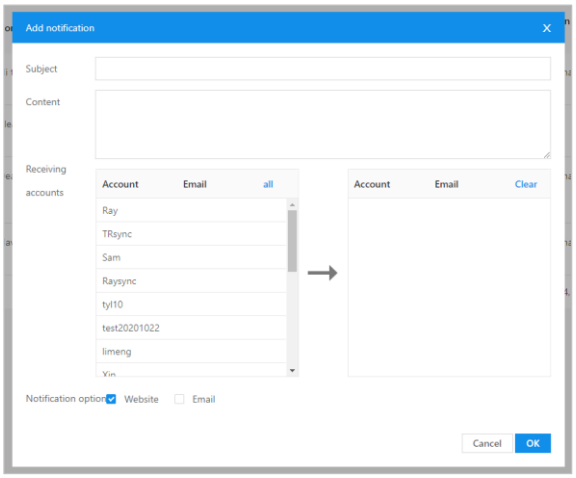


2.9.7.1 Add Notification

Click [Add notification].
Tips: The administrator needs to set the mailbox configuration before using this function.



Input [subject], [content] , receiving account and notification option.

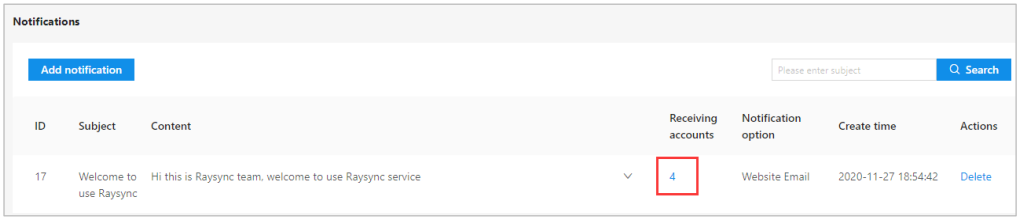


2.9.7.2 Delete Notification

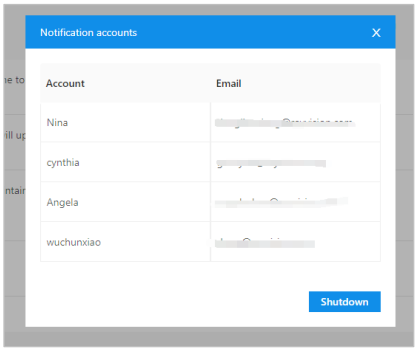
Select notifications, click [Delete].

2.9.7.3 View Receiving Accounts

Click numbers.



The system will display the account and email information of the user who received the notification.



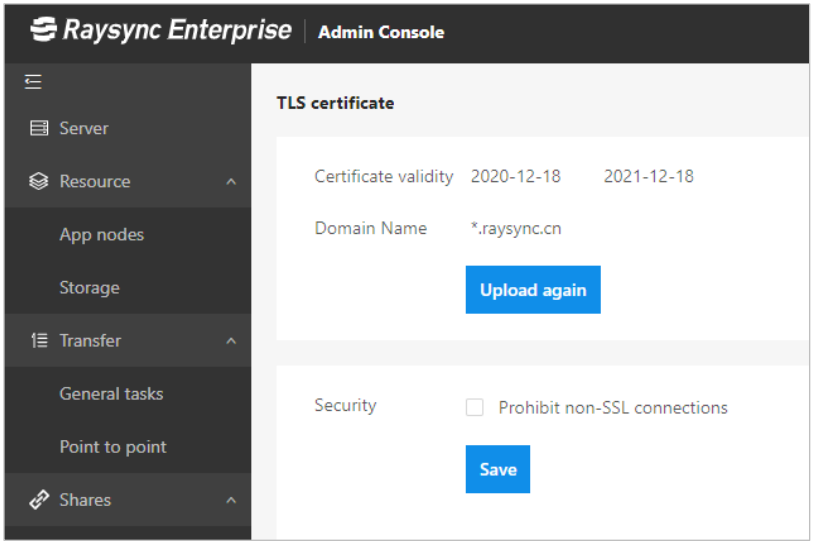
2.10 Settings

2.10.1 TLS Certificate

Raysync provides encrypted certificate services that can be used for both http encryption on the web and file transmission encryption. The default is to use the encryption certificate that comes with Raysync. You can also use the user's own certificate for encryption.

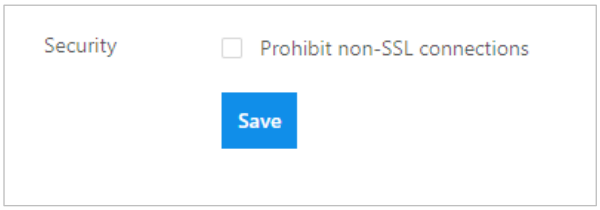
Fill in the correct certificate file and certificate private key and click [OK], the configuration will take effect after the server is restarted.

You can view the validity period and domain name information of the uploaded certificate after successfully uploading the TLS certificate.



Security

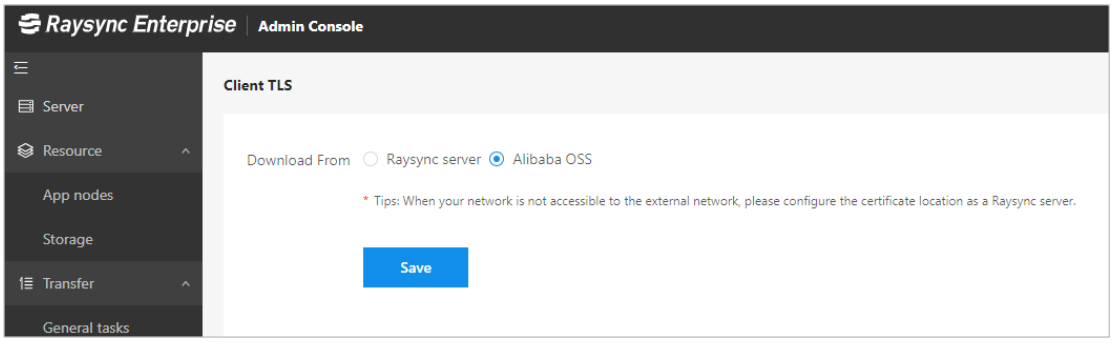
Enable Prohibit non-SSL connection, the front user page cannot be accessed using https://certificate domain name:8091.



2.10.2 Client TLS

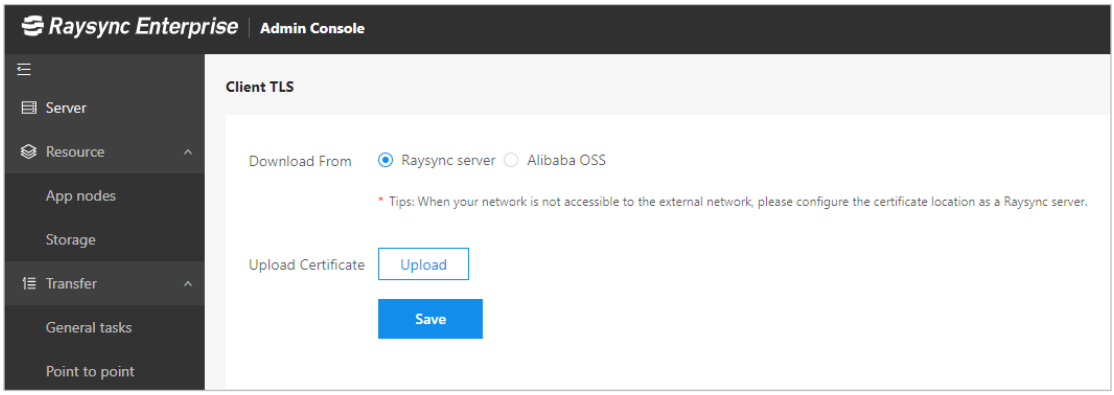
Rasync client certificate supports two ways to obtain:

One is to obtain the latest certificate from Alibaba Cloud oss. The default choice is to obtain the latest certificate from Alibaba Cloud Storage OSS. When the oss certificate is updated, Raysync will automatically download the latest client certificate from the oss storage.



The second is downloaded from the Raysync server. When your network cannot access the external network, please configure the certificate location as a Raysync server.

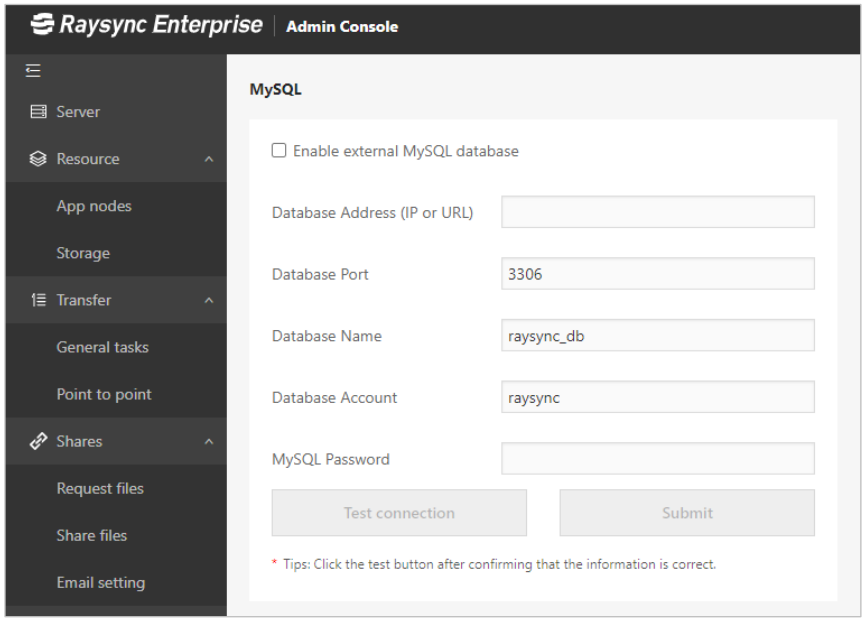
Click to upload the latest certificate package, the certificate package is provided by the Raysync staff. After uploading the certificate, click Save. You can download the client certificate by logging in to the client again on the web.



2.10.3 MySQL Configuration

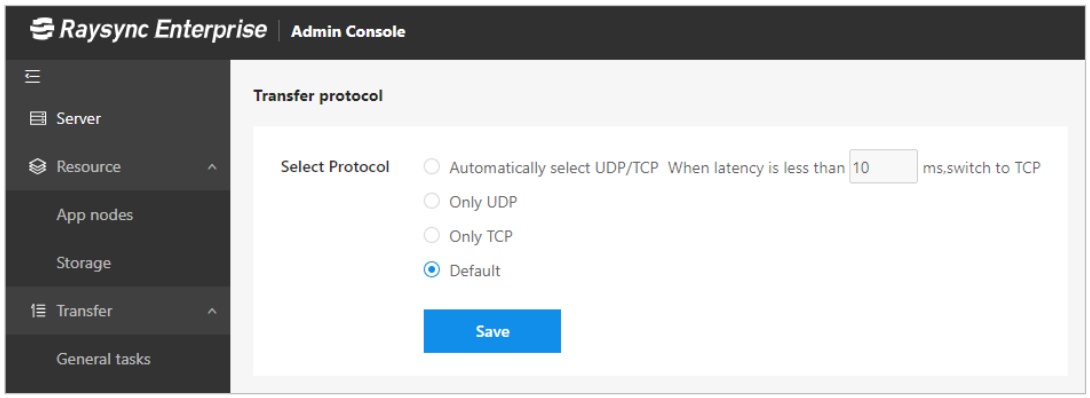
Raysync supports external MySQL databases to provide administrators with a more flexible database configuration method.

Fill in the correct external database configuration, such as address / port / data account and password Click [Test], if the test connection is passed, click [OK] to enable the external database, the background configuration information will be saved in the database.



2.10.4 Transmission protocol

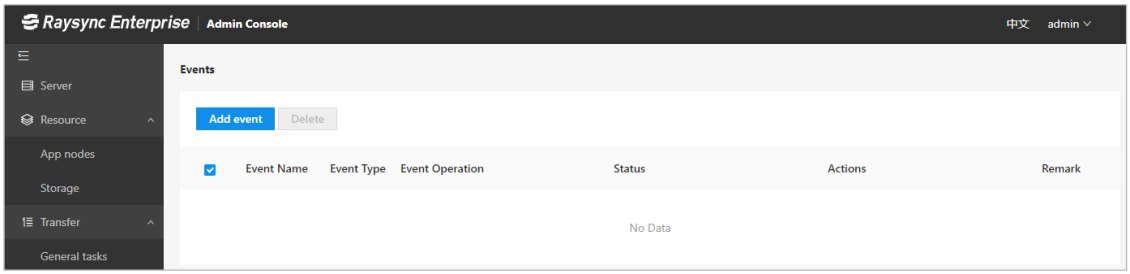
Raysync provides four kinds of transmission protocol configuration



1) Automatically select UDP/TCP: set to automatically switch to TCP transmission when the transmission lantency is less than 10ms.
2) Only UDP: only use UDP mode for transmission tasks
3) Only TCP: only use TCP mode for transmission tasks
4) Default: UDP transmission is preferred by default, and it will automatically switch to TCP transmission when UDP transmission is interrupted.

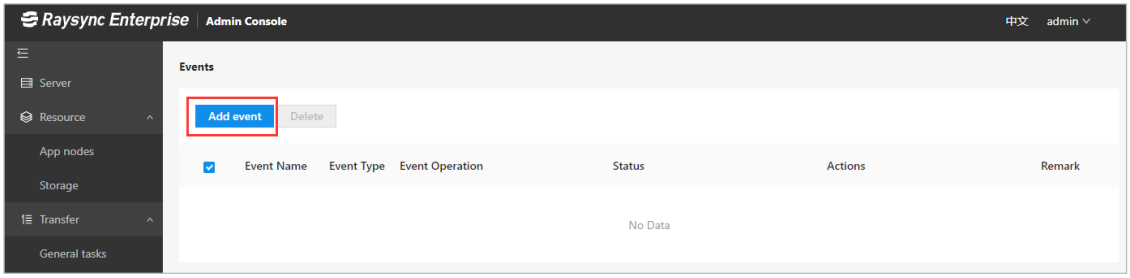
2.10.5 Event Notification

After configuring event notification, the program you configured will be executed when the event is completed.

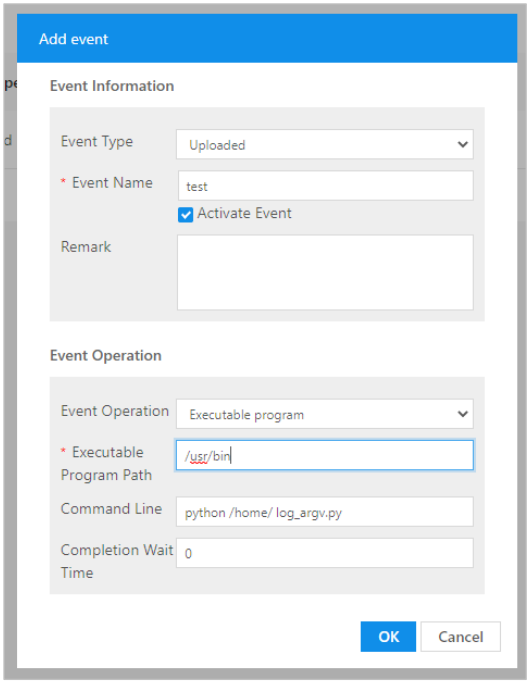


2.10.5.1 Add Event

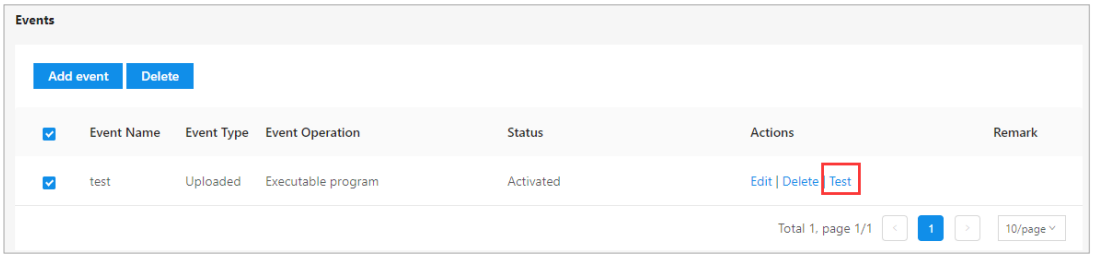
Click [Add Event]



Fill in event info.
For example: Create an event to execute 'python /home/ log_argv.py' after uploading the file.
Executable path: /usr/bin
Command line parameters: python /home/log_argv.py

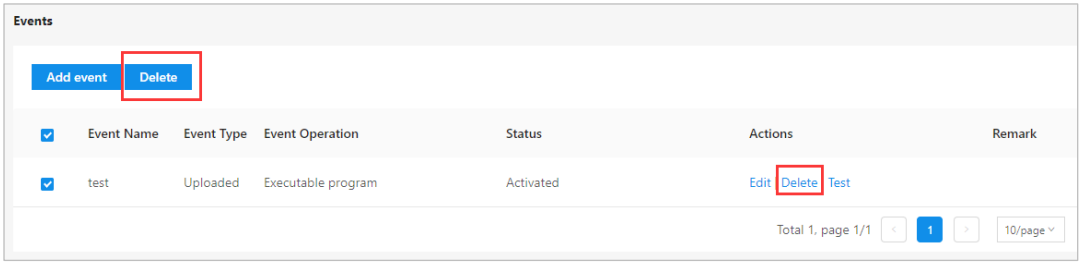


After adding an event successfully, we can test whether the event is configured correctly, select an event, and click [Test] in the operation.



2.10.5.2 Delete Event

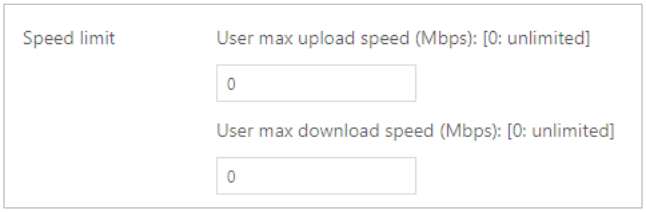
Click [Delete] to delete an event



2.11.6 Settings

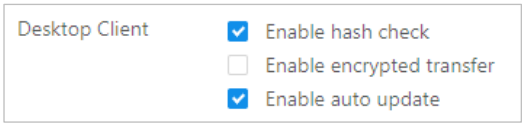
2.11.6.1 Speed Limit

You can set the upload and download speed of users, 0 means unlimited.



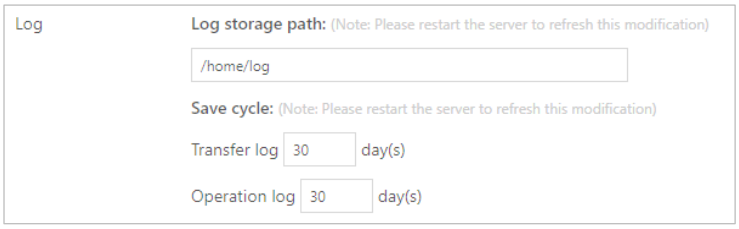
2.11.6.2 Client Settings

Force client to enable hash check, encrypted transfer, auto upgrade.



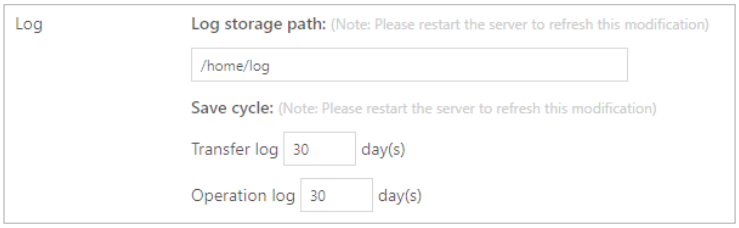
2.11.6.3 Log File Location

For the log file storage location, enter the path to be configured.
For example, when the load balancing is performed, you can configure the log address as a shared path. The master and backup servers can read log files in the same address. After saving, please return back to menu[server], and restart server to take effect.



2.11.6.4 Log File Save Period

The period of the transmission log and user operation log can be configured, and the default is 30 days. After saving, please return back to menu[server], and restart server to take effect.

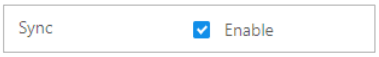


2.11.6.5 Close File

After enable this function, the operation of closing file will be executed in the backend when the file upload is complete.
After saving, please return back to menu[server], and restart server to take effect.

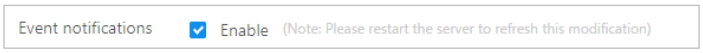
2.11.6.6 Synchronize File

After enable this function, the user will show the function of creating a new synchronization task directory after login.



2.11.6.7 Event Notifications

Support disable and enable event notification function. After disabled, admin portal will no longer perform the event notification function.



2.11.6.8 User Group Space Statistics

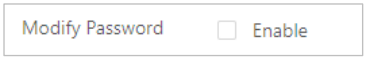
Support disable and enable user group space statistics. After isabled, the user group space size will no longer be counted.

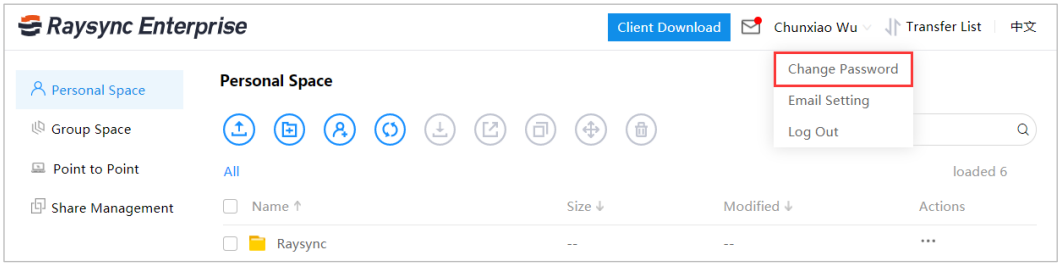
2.11.6.9 User Space Statistics

Support disable and enable user space statistics. After isabled, the user space size will no longer be counted.

2.11.6.10 Allow user to Modify password

Support admin to configure whether to allow users to modify the password .After enabled, and the user portal will display the [Change Password] button.





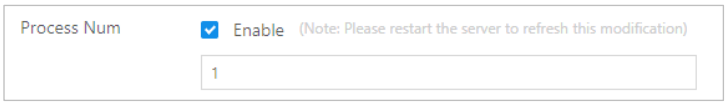
2.11.6.11 Support Multiple IP Address

Supports multiple IP addresses. When the server has multiple IP addresses, you can enable this function, and the user can access through any IP of the server.

2.11.6.12 Process Number

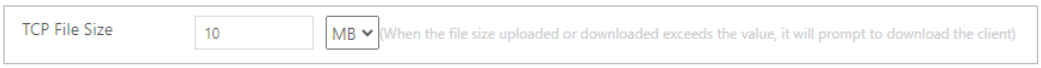
Support to configure the number of server 'raysync –s' processes. The default number of processes is

server (CPU cores-2)/2, which is at least 1.



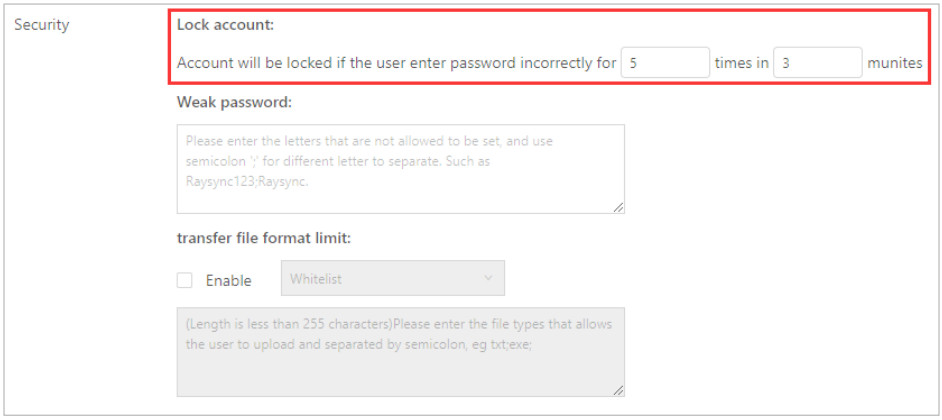
2.11.6.13 TCP File Size

After user logs in, the files which size is smaller than the setting size can be uploaded and downloaded without the client.



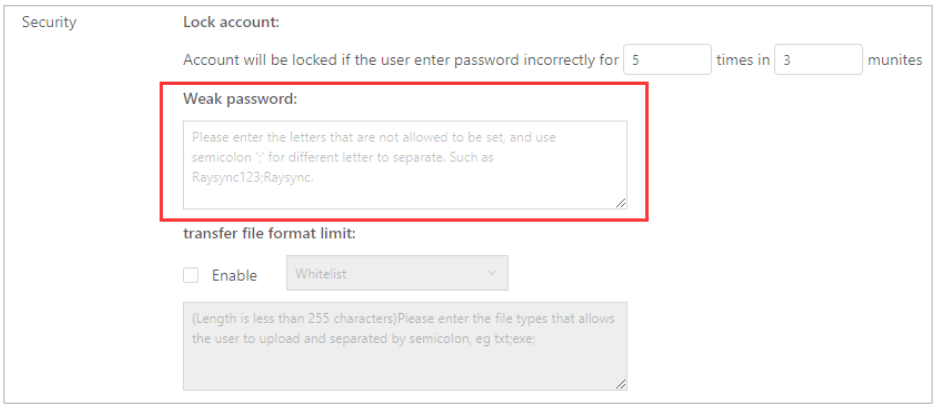
2.11.6.14 Lock Account

The user password can be configured to lock the account after X consecutive wrong attempts within X minutes.



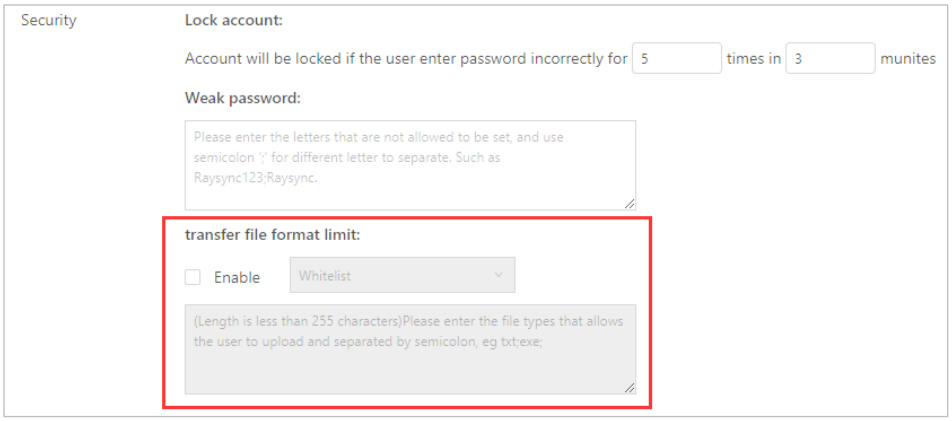
2.11.6.15 Weak Password Setting

Support to set passwords that do not allow users to set. Use multiple passwords to separate with ”;” such as [Raysync; raysync].



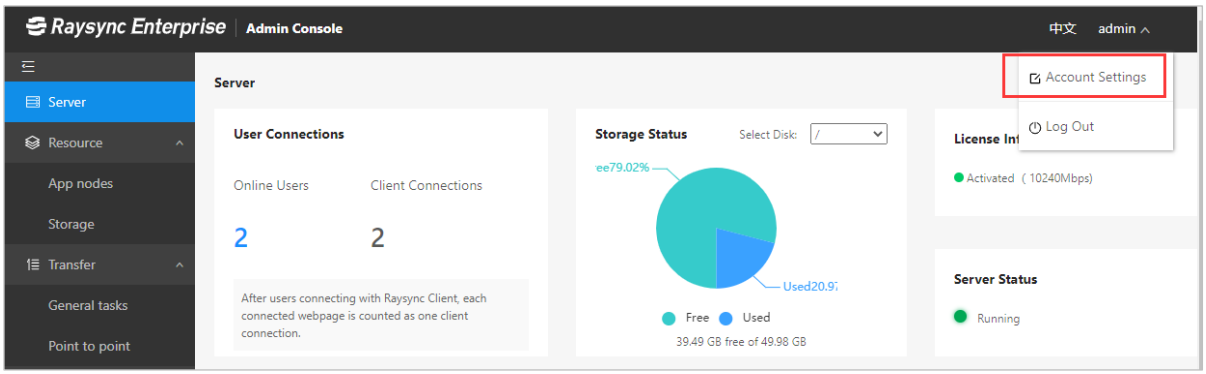
2.11.6.16 Transfer File Format Limit

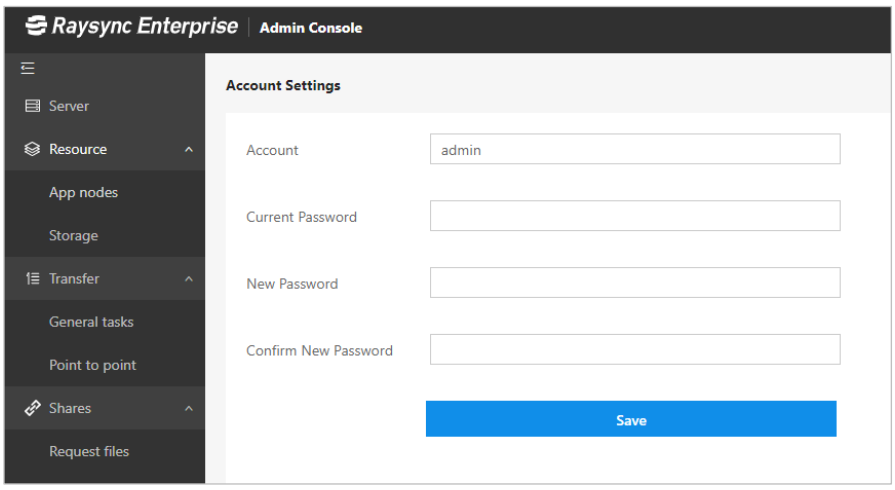
Admin can select whitelist or blacklist for the transmission file format. The whitelist is used to configure the file formats that the system allows to upload. The blacklist is used to configure the file format that the system does not allow to upload.



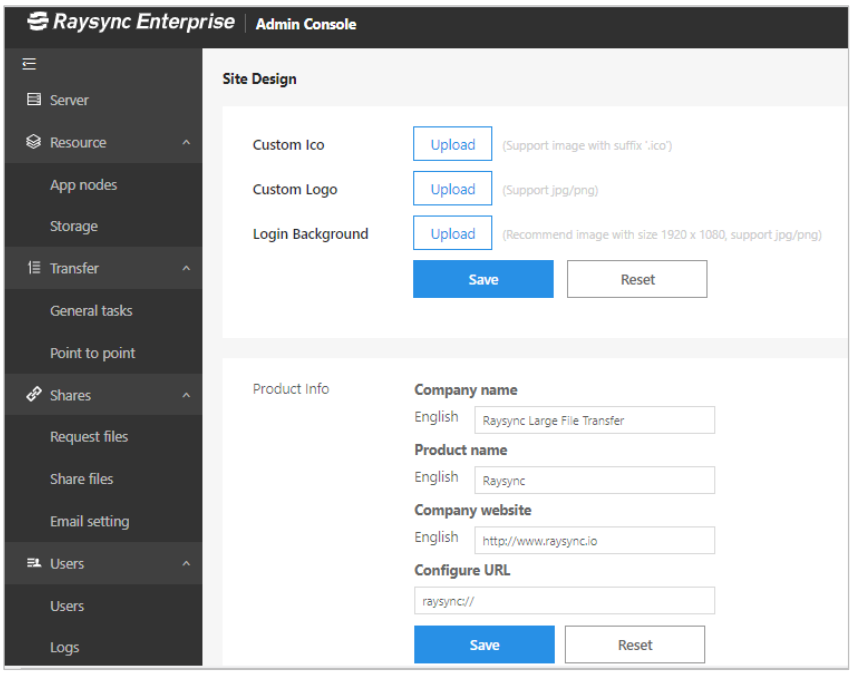
2.12 Modify Administrator Information

Support modify admin account and password.



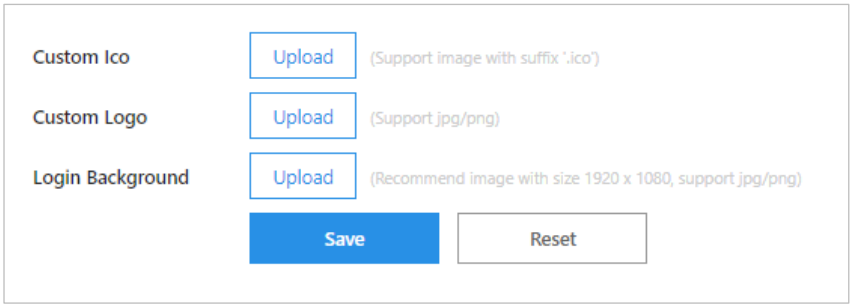


2.13 Site Design

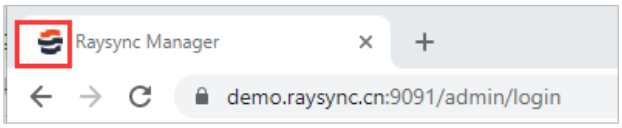


2.13.1 Customized ico,logo,background Image

Support customize browser ico, logo, and background image of user portal login page.



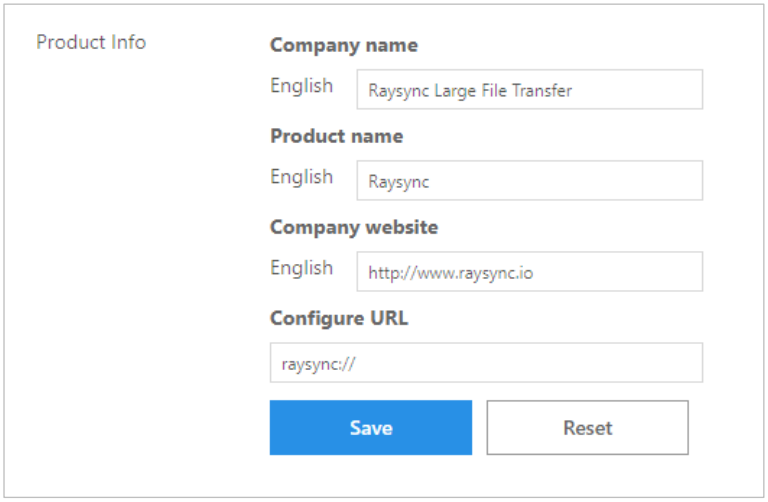
Tips: After upload ico image, it will display in the browser address bar of the user portal.



2.13.2 Customized Produc Info

Support customize company name/product name/company website/URL.
Company name: It will show on the bottom corner of the admin console page and email notification(share download/invite upload and other emails).
Product name: It will show on the user login page and email notification(share download/invite upload

and other emails).
Company website: The web page will jump to the website afer click the company name on the bottom corner of the admin console page or access the sharing page.
Company URL: It's used to enable the front-end user page to start the Raysync software client.(You need to modify the URL only when you customize the client. Under normal circumstances, please do not modify the configuration URL, otherwise it will affect your normal use. If you need to customize the client, please contact the staff).



3. Frequently Asked Questions Q&A

3.1 The website cannot connect RaySync, indicating that it is not started.

1. Check if RaySync has been started and the icon in the lower right corner has appeared. Click [Start] on the webpage;
2. It is possible that the user registry cannot be written normally whether Raysync is not started under the protection of software such as 360/ Kingsoft AntiVirus software, resulting in the inability to start from the web page. Meanwhile, RaySync needs to be run manually.

3. Right click the Raysync icon and select Error Detection to check whether the local domain name resolution, system time, system agent and certificate are in "normal" status whether Raysync has been started and still "Prompt that the client has not been started". The browser may have turned on the proxy whether the system proxy displays an exception, and the Raysync client needs to be turned off before starting. If the certificate is abnormal, it needs to be confirmed whether the version of Raysync client is the latest version and whether the certificate has expired.

3.2 Web Page Prompt Server Connection Timeout

Client Check:
Right click the Raysync icon and select [Error Detection] to check whether the "server domain name" and "server address" are correct server addresses. You can ping the resolved addresses under the cmd command line to see whether they are connected.

Server Check:

The server checks whether the user's permission/home directory and other information have been changed and needs to restart the client.

3.3 Client Login Timeout

Try to right click the client to modify the UDP message size in Raysync setting to a smaller value.

3.4 There is a gap between the speed of uploading and downloading and the expectation

Client Check:
Test the bandwidth of the external network. The speed test is recommended to detect the local upload and download bandwidth and check whether the speed has reached the speed bandwidth limit.

Confirm whether the telecom operator of the client is consistent with the telecom operator of the server;

Server Check:
1. Enter the background of the corresponding server to check if the license is activated and whether the bandwidth in the license information is the expected bandwidth;
2. Check the current network traffic in the server to confirm if there are more users and other users have already occupied the bandwidth of the server;
3. Check whether the disk read-write rate of the server has reached the peak value, and confirm if other users of the server are reading and writing files, thus affecting the file read-write storage of other users;

3.5 Download Path, Select the network path, and the downloaded file cannot be found under the path

Map the path to the network disk; delete the old task, download and select the saved path to the network disk again;

3.6 Upload/Download Files Always Display "Reading Files"

Client check:
1. Check whether the directory the user is transferring contains a large number of files. Whether there are a large number of files, it needs to wait for the client to read them.
2. Right click customers to set RaySync timeout time to 60s or longer, delete old tasks and reselect tasks for transmission;

Server check:
Check the reading performance of the directory under the server, for example: enter the server directory to execute ls to respond quickly, and execute du–a | wc-l to count the total number of files under the directory.