

	Document Number	Document version	Dense level
	MT-AS2-2020-07-16-001	1.0	Public disclosure
	Product Name: MTTK AS2		Total 35 pages

# MTTK AS2

## User Manual

## Directory

1 Introduction.....	4
1.1 Document purpose.....	4
1.2 Author.....	4
1.3 Document history.....	4
1.4 Relevant agreements.....	4
1.5 Services and contact methods.....	4
2 Overview.....	5
2.1 Introduction.....	5
2.2 Product composition.....	5
2.3 Nouns.....	5
3 MTTK AS2Admin of management console.....	6
3.1 Admin Console.....	6
3.1.1 Browser support.....	6
3.1.2 URL.....	6
3.1.3 Replace words.....	6
3.1.4 Login.....	7
3.1.5 Multilingual switching.....	7
3.2 Business monitoring.....	8
3.2.1 Dashboard.....	8
3.2.2 Transaction.....	9
3.2.3 Alert.....	11
3.2.4 System log.....	12
3.3 Daily configuration.....	12
3.3.1 Partner configuration.....	12
3.3.2 Local configuration.....	20
3.3.3 Certificate management.....	21
3.3.4 Sequence.....	21
3.4 Utility.....	22
3.4.1 System settings.....	22
3.4.2 User management.....	24
3.4.3 Configuration Migration.....	24
3.4.4 User Settings.....	25
3.4.5 About.....	25
3.5 Cloud cloud management.....	26
3.5.1 Account.....	26
3.5.2 Mapping.....	28
3.5.3 Backup.....	29
3.5.4 After-sales.....	29
4 Quick start.....	32
4.1 Note.....	32
4.2 Demonstration scenario.....	32
4.3 Configuration details.....	32

4.3.1 Certificate import.....	32
4.3.2 Local configuration.....	33
4.3.3 Partner configuration.....	33
4.4 Testing.....	35

# 1 Introduction

## 1.1 Document purpose

Description of the use of MTTK AS2 products. Target readers include product implementers and customer technicians.

## 1.2 Author

Name of name	Company	Telephone	Email
Fly			

## 1.3 Document history

Version	Date	Moderators	Description
1.0	2020/7/16		Original version

## 1.4 Relevant agreements

None

## 1.5 Services and contact methods

Please email to [jamie0828@163.com](mailto:jamie0828@163.com) if you have any questions

Company website <http://www.mttk.com.cn> (Chinese)

## 2 Overview

### 2.1 Introduction

MTTK AS2 achieved EDIINT AS2 1.1 Standards including encryption, digital signature, compression, synchronous and asynchronous MDN.

This software is completely based on Java technology development, supporting Windows and Linux platform (Unix not tested).

for the AS2 agreement please refer to the relevant documents. .

### 2.2 Product composition

Products	Function	Remarks
MTTK AS2	System operating environment May serve as a Windows service or Linux/Unix daemon	Parameter Configuration Reference MTTK AS2 Installation Manual
Admin Console	Web interface, including configuration and monitoring functions Cloud cloud management, including after-sales, backup, mapping management	Introduction to this document

### 2.3 Nouns

Nouns	Note
EDIINT AS2	Protocol for the transmission of EDI messages over the Internet, as defined by the IETF Working Group, by RFC 4130 Description.
MDN	M essage D isposition N otification, receipt of AS2 information
AS2ID	AS2 number, the unique number used by each AS2 participant to identify itself, can be DUNS. Code, or any other character
Local	Owner, AS2ID corresponding to the site MTTK AS2 installed in this article For sending, refers to the sender; for receiving, refers to the receiver
Partners	Partner, AS2ID of external partners corresponding to MTTK AS2 sites installed in this article For sending, refers to the receiver; for receiving, refers to the sender

## 3 MTTK AS2Admin of management console

### 3.1 Admin Console

How to use Admin Console configuration and monitoring is described in this document.

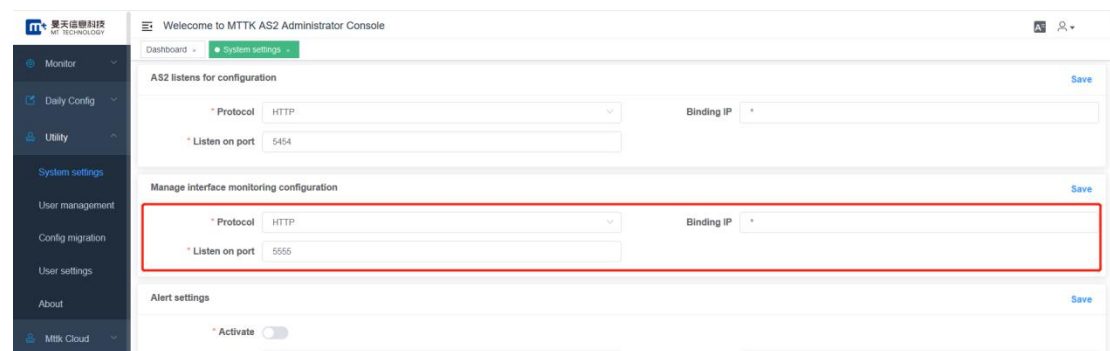
#### 3.1.1 Browser support

MTTK AS2Admin support mainstream browser IE 9 or above, Chrome,Firefox,Safari,Opera.,

#### 3.1.2 URL

<http://your server ip : port number>

URL can be set at the admin console interface as shown below



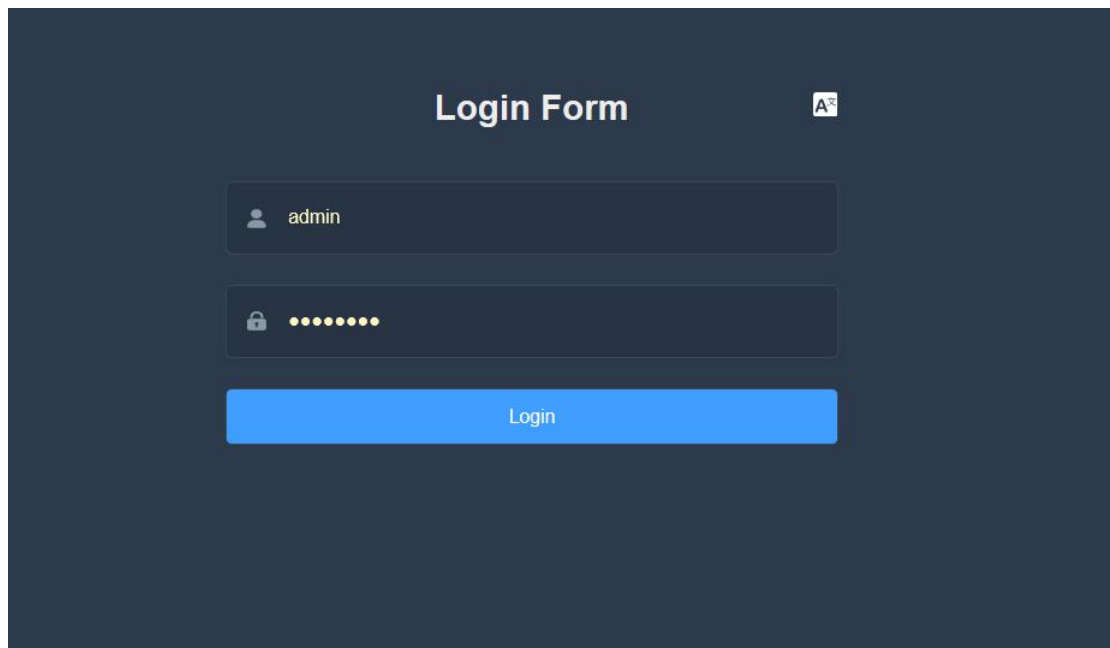
Here we can modify your server ip and port numbers

#### 3.1.3 Replace words

Vocabulary	Description
owner	AS2 Local Applies to writing filenames only
partner	AS2 partners Applies to writing filenames only
subject	AS2 title Applies to writing filenames only
messageld	AS2 message number
localFileName	Local File Name Only applicable to the send configuration
uuid	UUID, only
serial	Date + serial number, unique
yyyymmdd	Four years, two months, two dates, like 20131207
yymmdd	Two years, two months, two dates, such as 131207
hhmm	Two hours, two minutes, like 1503
hhmmss	Two hours, two minutes, two seconds, like 150334

Note: The words of the grey shading apply to all fields that support the replacement vocabulary.

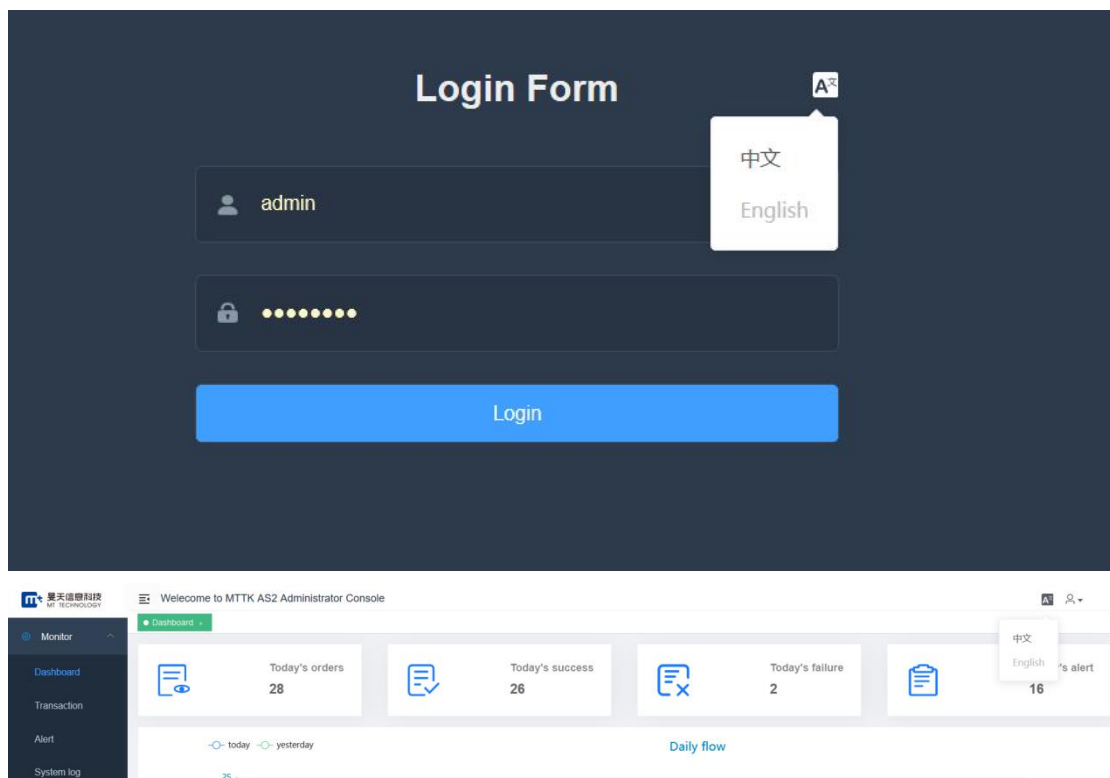
### 3.1.4 Login



The image shows a dark-themed login form titled "Login Form". It features two input fields: the first for a username with the text "admin" and a user icon, and the second for a password with a lock icon and ten dots. Below these fields is a prominent blue "Login" button. In the top right corner, there is a small icon for language switching, represented by the letter 'A' with a double arrow.

Enter the username and password and click the "Login" button to log in.

### 3.1.5 Multilingual switching

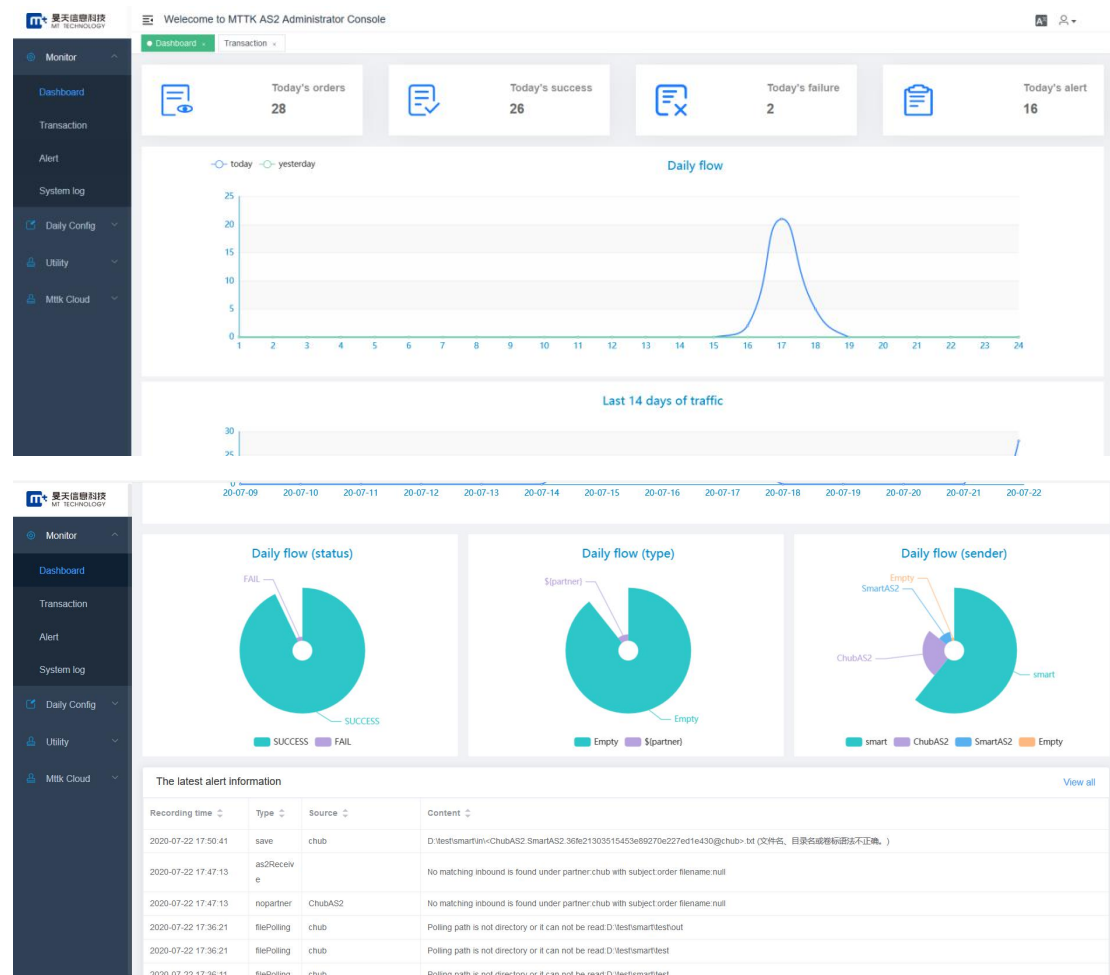


This image shows the same login form as above, but with an expanded language switch menu. The menu, located in the top right, displays two options: "中文" (Chinese) and "English". Below the login form, a partial view of the dashboard is visible. The dashboard header includes the logo for "MTTK AS2 Administrator Console" and a welcome message. A sidebar on the left lists navigation items: Monitor, Dashboard, Transaction, Alert, and System log. The main content area displays four summary cards: "Today's orders" (28), "Today's success" (26), "Today's failure" (2), and "Today's alert" (16). At the bottom, there is a "Daily flow" section with a timeline for "today" and "yesterday".

Click on the multi-language switch button, can switch the language, after the switch may have some not converted successfully, refresh the interface can.

## 3.2 Business monitoring

### 3.2.1 Dashboard



At the top right of the main interface is the Settings button (including Home / User Settings / Check Update / Logout)

Home page is returned to the main interface dashboard, user settings can modify the user image and password, check update is to check whether there is a new version of the program, log out to return to the login interface.

On the left is the menu area

On the right is the content area.



## 3.2.2 Transaction

View	Status	Direction	Partner	Time	Subject	Local fileName	Order	AS2 message
Q	Success	Receive	SmartAS2_1	2020-07-17 17:49:19	123	123.txt	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>
Q	Success	Receive	SmartAS2_1	2020-07-17 17:49:14	123	123.txt	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>
Q	Success	Receive	SmartAS2_1	2020-07-17 17:49:09	123	123.txt	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>
Q	Success	Send	SmartAS2_1	2020-07-17 17:48:30	123	1234.txt	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>
Q	Success	Send	SmartAS2_1	2020-07-17 17:45:50	123	新建文本文档.txt	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>
Q	On failure	Send	SmartAS2_1	2020-07-17 17:45:50	123	123.txt	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>	<SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>

Transaction is the core of system monitoring, showing all incoming and outgoing messages.

query conditions, all input fields support fuzzy queries.

list display box showing the query results. The toolbar at the top right of the list box can select the number of records per page and navigate between pages.

Button	Meaning
Query	Refresh list results based on query criteria.
Reset	Resets all conditions to initial values
Show/ Hide more conditions	Show or hide the second, third line query conditions
Management display column	Set the following list to show which fields
Reset Display Column	Set the display column to the default column

Click the left view button to pop up the data details, which contain all the information about the process.

Basic information	Message
Status: Success	Direction: Receive
Local: SmartAS2	Partner: SmartAS2_1
Subject: 123	Local fileName: 123.txt
AS2 fileName: 123.txt	Local full filename: D:\test\smart\in\123.txt
Message content: application/octet-stream	Time: 2020-07-17 17:49:19
Receiver: SmartAS2	Sender: SmartAS2_1
Order: <SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>	Order type: -
Encrypted: [checked]	Compressed: [checked]
Signed: [checked]	Encrypt algorithm: AES/128
Receipt mode: NONE	Sign algorithm: SHA1
AS2 message: <SmartAS2_1.SmartAS2.76df2cc35b693491aad3c859ee4c30a0@chub>	Receipt signature: [checked]
Processing options: -	AS2 version: 1.1
Content check: H+MV0qT/bA4HQecGSO+EvHPAb4=, SH	Processing to: SmartAS2_1
Error message: -	MDN addresses: -

Details of the data
< previous
next >
refresh

basic information
message

Message before mapping
View message
Download message

Details of the data
< previous
next >
refresh

basic information
message
Error details

```

java.lang.Exception: No expected sync MDN is receveid!
    at com.mttk.chub.spoke.service.runtime.support.AS2SendSupport.checkResponse(AS2SendSupport.java:126)
    at com.mttk.chub.spoke.service.runtime.support.OutboundSupport.as2Send(OutboundSupport.java:124)
    at com.mttk.chub.spoke.service.runtime.support.OutboundSupport.execute(OutboundSupport.java:46)
    at com.mttk.chub.spoke.service.runtime.RuntimeServiceImpl.execute(RuntimeServiceImpl.java:42)
    at com.mttk.chub.spoke.service.dispatch.ProcessExecutor.run(ProcessExecutor.java:19)
    at java.util.concurrent.Executors$RunnableAdapter.call(Unknown Source)
    at java.util.concurrent.FutureTask.run(Unknown Source)
    at java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)
    at java.lang.Thread.run(Unknown Source)

```

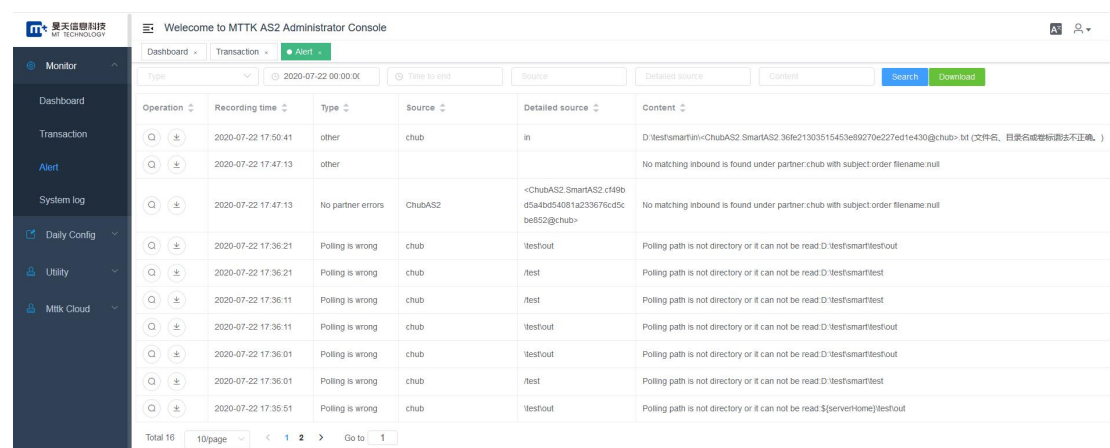
The basic information is explained below

Field	Description
Status	AS2 process status, including RUN,SUCCESS,FAIL,RETRY,WAIT
Direction	AS2 flow direction, send/receive
Local	AS2ID corresponding locally
Partners	AS2ID of external partners
Title	AS2 title, usually file name
Local File Name	For sending, the name of the file sent locally; for receiving, the name of the file saved locally
AS2 file name	File name of AS2 message set by sender
Local full file name	Local filename with full path
Message Content Type	Default application/octet-stream for message type
Time	Time of transmit/receive
sender	The party sending the message
Recipient	The party receiving the message

Type of document	AS2 types of documents processed
Document No.	The document number processed by the AS2 may be EDI or document name
Compression	Whether to compress the content
Encryption	Whether to encrypt content
Signature	Signature of content
Encryption Algorithm	Encryption Algorithm (3DES,AES/128,AES/192,AES/256,RC2/128,RC2/40,RC2/64)
Signature Algorithm	Signature Algorithm (SHA1,MD5,SHA256,SHA384,SHA512)
Return mode	MDN type synchronous, asynchronous
Signature	Are MDN signed
AS2 message number	AS2 message number
AS2 version	AS2 version
Processing notifications	Notification of processing result to sender
Processing notification options	MDN signature behavior: need to sign, signature algorithm
Asynchronous mdn address	URL of asynchronous receiving MDN
Content Integrity Check	Integrity checks on AS2 transport content
Error information	Demonstrates sending or receiving failed error messages
Message	View and download message content before and after mapping

### 3.2.3 Alert

this module can filter abnormal information according to the conditions such as type content source time. abnormal information includes polling error, processing data error, calling mapping error, receiving error, sending error, no partner error, others. When the business data can not locate the problem, you can abnormal alarm to see if there is an error.



Operation	Recording time	Type	Source	Detailed source	Content
Q	2020-07-22 17:50:41	other	chub	in	D:\test\martian\ChubAS2_SmartAS2_369e21303515453e89270e227ed1e430@chub> .bt (文件名、目录名或规格描述不正确。)
Q	2020-07-22 17:47:13	other			No matching inbound is found under partner chub with subject order filename null
Q	2020-07-22 17:47:13	No partner errors	ChubAS2	<ChubAS2_SmartAS2_cf49bd5a4bd54081a233676cd5cbe652@chub>	No matching inbound is found under partner chub with subject order filename null
Q	2020-07-22 17:36:21	Polling is wrong	chub	/test/out	Polling path is not directory or it can not be read D:\test\martian\test/out
Q	2020-07-22 17:36:21	Polling is wrong	chub	/test	Polling path is not directory or it can not be read D:\test\martian\test
Q	2020-07-22 17:36:11	Polling is wrong	chub	/test	Polling path is not directory or it can not be read D:\test\martian\test
Q	2020-07-22 17:36:11	Polling is wrong	chub	/test/out	Polling path is not directory or it can not be read D:\test\martian\test/out
Q	2020-07-22 17:36:01	Polling is wrong	chub	/test/out	Polling path is not directory or it can not be read D:\test\martian\test/out
Q	2020-07-22 17:36:01	Polling is wrong	chub	/test	Polling path is not directory or it can not be read D:\test\martian\test
Q	2020-07-22 17:35:51	Polling is wrong	chub	/test/out	Polling path is not directory or it can not be read D:\server\home\test/out

Exception alarm details will show abnormal basic information, error details (java error content).  
more convenient to locate query problems.

MTK TECHNOLOGY

Welcome to MTTK AS2 Administrator Console

Dashboard Transaction Alert

Monitor

Dashboard

Transaction

Alert

System log

Daily Config

Utility

Mtk Cloud

Operation Recording time Type Source

Q 2020-07-22 17:50:41 other chub

Q 2020-07-22 17:47:13 other chub

Q 2020-07-22 17:47:13 No partner errors ChubAS2

Q 2020-07-22 17:36:21 Polling is wrong chub

Q 2020-07-22 17:36:21 Polling is wrong chub

Q 2020-07-22 17:36:11 Polling is wrong chub

Q 2020-07-22 17:36:11 Polling is wrong chub

Error details

The basic information Error details

Key	Value
Recording time(InsertTime)	2020-07-22 17:50:41
type(type)	other
source(source)	chub
Detailed source(sourceSub)	in
content(content)	D:\test\smart\in\<ChubAS2_SmartAS2_36fe21303515453e89270e227ed1e430@chub>.txt (文件名、目录名或卷标语法不正确。)

Error details

The basic information Error details

```
java.io.FileNotFoundException: D:\test\smart\in\<ChubAS2_SmartAS2_36fe21303515453e89270e227ed1e430@chub>.txt (文件名、目录名或卷标语法不正确。)  
    at java.io.FileOutputStream.open0(Native Method)  
    at java.io.FileOutputStream.open(Unknown Source)  
    at java.io.FileOutputStream.<init>(Unknown Source)  
    at com.mttk.chub.spoke.service.runtime.support.InboundSupport.save(InboundSupport.java:91)  
    at com.mttk.chub.spoke.service.runtime.support.InboundSupport.execute(InboundSupport.java:40)  
    at com.mttk.chub.spoke.service.runtime.RuntimeServiceImpl.execute(RuntimeServiceImpl.java:40)  
    at com.mttk.chub.spoke.service.dispatch.ProcessExecutor.run(ProcessExecutor.java:19)  
    at java.util.concurrent.Executors$RunnableAdapter.call(Unknown Source)  
    at java.util.concurrent.FutureTask.run(Unknown Source)  
    at java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)  
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)  
    at java.lang.Thread.run(Unknown Source)
```

Users can set up mail alarm, abnormal alarm inside the error content through mail notification, operation reference system setup case module

### 3.2.4 System log

List all logs of the system for viewing and downloading.

MTK TECHNOLOGY

Welcome to MTTK AS2 Administrator Console

Dashboard Transaction Alert System log

Monitor

Dashboard

Transaction

Alert

System log

Daily Config

Utility

Mtk Cloud

Name Search

Size Update Time Operation

s-jamie.log 145032 2020-07-22 16:20:22 View Download

2020-07-21/s-jamie-2020-07-21-1.log 15922 2020-07-21 09:35:54 View Download

2020-07-20/s-jamie-2020-07-20-1.log 530188 2020-07-20 17:28:39 View Download

2020-07-18/s-jamie-2020-07-18-1.log 30992 2020-07-18 17:13:42 View Download

2020-07-17/s-jamie-2020-07-17-1.log 268276 2020-07-17 17:48:30 View Download

2020-07-16/s-jamie-2020-07-16-1.log 94584 2020-07-16 16:56:13 View Download

2020-07-15/s-jamie-2020-07-15-1.log 443457 2020-07-15 18:14:54 View Download

2020-07-14/s-jamie-2020-07-14-1.log 78571 2020-07-14 17:32:27 View Download

s-USER-20170221GK.log 121683 2020-06-28 17:52:21 View Download

2020-06-23/s-USER-20170221GK-2020-06-23-1.log 15274 2020-06-23 20:44:43 View Download

2020-06-19/s-USER-20170221GK-2020-06-19-1.log 30457 2020-06-19 10:09:23 View Download

2020-06-18/s-USER-20170221GK-2020-06-18-1.log 147800 2020-06-18 13:18:52 View Download

2020-06-17/s-USER-20170221GK-2020-06-17-1.log 131049 2020-06-17 14:38:40 View Download

## 3.3 Daily configuration

### 3.3.1 Partner configuration

Partner Configuration: The first half of the selection box for partners and add, delete, save button.

The selected partner can be modified, deleted and other operations.

The lower half consists of 5 tab pages: Foundation, HTTP configuration, AS2 configuration, send configuration, receive configuration.

Foundation: Basic configuration for configuring AS2ID、 certificates and other related content

The partner base interface contains the following fields

Field	Description
Name of name	Name of partner
AS2 No.	AS2 number, unique identification of partners in the same network environment, Exchange ID agreed by both parties
Local	A local AS2 configuration that selects the local configuration corresponding to the partner when there are multiple local AS2 configurations
Signature certificate	Select the partner's corresponding encrypted signature certificate, If the partner does not apply AS2 encryption and digital signature functions, it can be empty
Encryption Certificate	
Required digital signature	Whether or not to force the partner to require a digital signature
DUMP original messages and MDN	Save the original message and MDN to which location of the system: directory, process, process, and directory, no
Polling local root	Configure the sending polling root directory for the entire partner
Write a local root directory	Configure the receiving write root directory for the entire partner

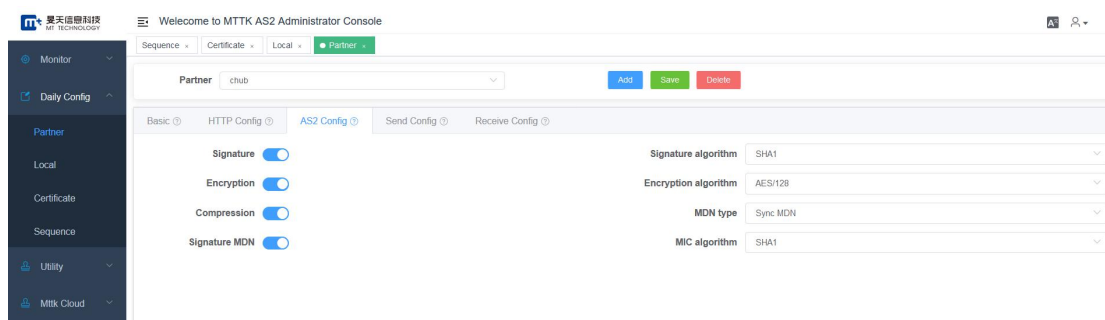
HTTP configuration: for configuring AS2 link related content

The detailed fields are as follows:

Field	Description
-------	-------------

AS2URL	Partner AS2 listening address
Read timeout (seconds)	Read timeout limit
Connection timeout (seconds)	Connection timeout limit
Certification modalities	http authentication: none, simple authentication
User name	Authentication User Name under Simple Identity Authentication
Password	Simple authentication, authentication password

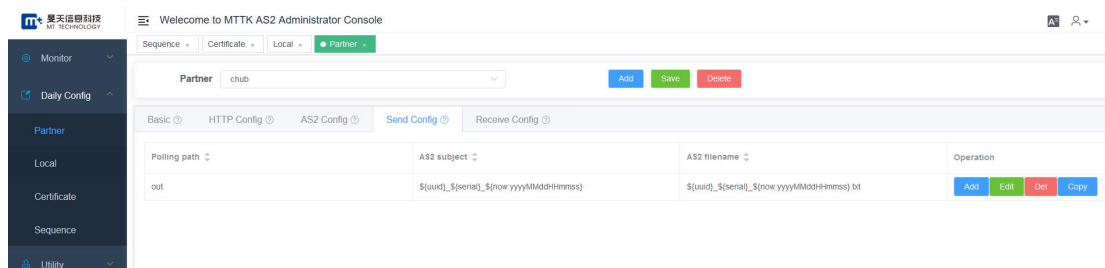
AS2 configuration: used to configure AS2 encryption, signature, compression, return MDN, etc.



The detailed fields are as follows:

Field	Description
Signature	Signature of content
Signature Algorithm	Signature Algorithm (SHA1,MD5,SHA256,SHA384,SHA512)
Encryption	Whether to encrypt content
Encryption Algorithm	Encryption Algorithm (3DES,AES/128,AES/192,AES/256,RC2/128,RC2/40,RC2/64)
Compression	Whether to compress the content
MDN type	MDN type (no MDN, synchronous MDN, asynchronous MDN)
Signature MDN	Are MDN signed
MIC algorithm	MIC algorithm for mdn signature algorithm (SHA1,MD5,SHA256,SHA384,SHA512)
MDN URL	An asynchronous MDN receipt address provided to the other party only for an asynchronous receipt

send configuration: poll local directory sent to external system. Sending is configured as a list with multiple polling directories, AS2 titles, AS2 file names, preprocessing, mapping conversions, and more



Read configuration, set to read the specified directory message as the original message

Edit send configuration

Read
Preprocess
Mapping
Send
Retry

Polling path
out

\* Maximum number
-1

\* Search depth
-1

\* Batch number
-1

\* Post process
Delete

Cancel OK

Pre-processing configuration to pre-set custom parameters throughout the sending process

Edit send configuration

Read
Preprocess
Mapping
Send
Retry

Custom key	Custom content	Operation
单据类型	fixed	Add Edit Del Copy
接收方	固定值	Add Edit Del Copy
单据编号	xpath表达式	Add Edit Del Copy

Cancel OK

Process parameters processing

\* Custom key
document number

Custom content
From the file name

\* separator
-

\* Split the subscript
2

Cancel OK

Map configuration, select the mapping class to format the original message

Edit send configuration ▶

×

Read ⓘ Preprocess ⓘ Mapping ⓘ Send ⓘ Retry ⓘ

Mapping ⓘ Mapping\_XML2JSON ▼

Input parameters

Key ⓘ	Value ⓘ	Operation
subject	\${messageId}	<div>Add Edit Del Copy</div>
partner	\${partner}	<div>Add Edit Del Copy</div>
owner	\${owner}	<div>Add Edit Del Copy</div>

Cancel

OK

Input parameters

×

Key ⓘ subject

Value ⓘ \${messageId}

Cancel

OK

Send configuration, configuring the AS2 title file name sent, etc.

Edit send configuration ▶

×

Read ⓘ Preprocess ⓘ Mapping ⓘ Send ⓘ Retry ⓘ

ContentType

AS2 filename ⓘ \${localFileName}.txt

AS2 subject ⓘ \${localFileName}.txt

Cancel

OK

Retry configuration, processing rules for retry after configuration failure

Edit send configuration ▶

×

Read ⓘ Preprocess ⓘ Mapping ⓘ Send ⓘ Retry ⓘ

Retry interval(min) ⓘ 2

Max num of retries ⓘ 2

Cancel

OK

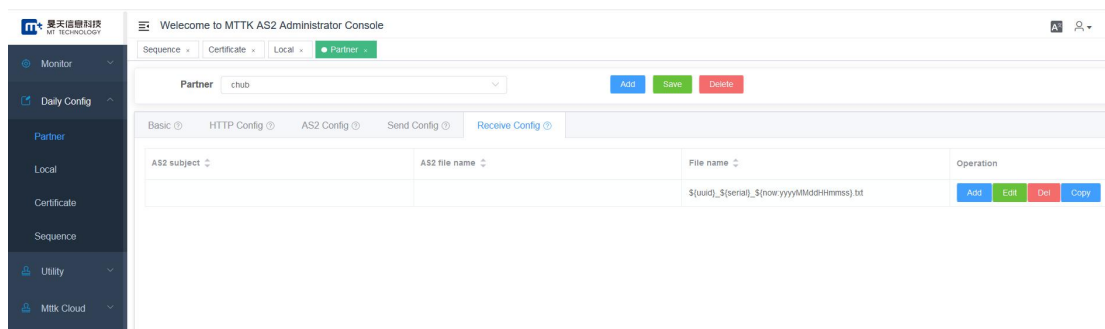


Send configuration details fields as follows:

Field	Description
Read	
Polling path	The polling path is automatically spliced after polling the local root directory
Maximum number of files processed per session	Maximum number of files per poll
Search depth	File depth (directory depth) for file polling search
Number of documents processed in bulk	Number of read files per batch read
Follow-up	Delete/backup/add extension/neglect
Backup directory	When the backup is processed as a backup, the backup file's saved directory
Extension	Follow-upAdd extensionExtensions to be added
Pretreatment	
Custom parameter key	Parameters for custom content key, Customizable content includes sender, receiver, document type, document number
Custom parameter content type	Set the type of custom parameter content: fixed value / xpath expression / jpath expression / get from directory structure / get from file name / get from edi file
Fixed value	Set the custom parameter content to a fixed value
From which message	Sets the custom parameter content to fetch values from the pre-/post-mapping message
xpath content	xpath the script, the system automatically reads the corresponding message according to the configuration script, and takes the reading content as the value of the custom parameter. example :/ order/id get the value id under the order node
jpath content	jpath the script, the system automatically reads the corresponding message according to the configuration script, and takes the reading content as the value of the custom parameter. Example :\$. order.order_id get the value order_id under the order node
Directory hierarchy	Sets the directory name at the specified level in the send root/receive root as the value of the custom parameter. Example 0 means taking the file name and 1 means taking the directory name where the file is located, with the number increasing, take the value forward in turn until the root directory
Splitter	A splitter that splits a file name, for example: order_123.txt delimiter is _
Segmentation subscript	After splitting the file name, which subscript is selected as the value of the custom parameter
Mapping	
Select Mapping Class	Select the mapping class to format the original message

Parameters	key of parameters to be passed into the map
Parameters	value of parameters to be passed into the map
Send	
ContentType	AS2 file type
as2 file name	File name AS2 set when sending
as2 title	Headings set when AS2 are sent, usually in file names
Retry	
Retry interval (minutes)	Time interval for initiating retries in minutes
Maximum number of retries	Maximum number of retries initiated

receive configuration: receive incoming messages from an external system and write to the local directory. The receiving is configured as a list, and the system automatically matches different lines according to the file name and title in the receiving message, and does not match if the file name and title are not set



Receiving configuration, the system receives messages that match the as2 file name and as2 title in the configuration.

Edit receive configuration ▶
✕

Receive ⓘ
Preprocess ⓘ
Mapping ⓘ
Write ⓘ

AS2 file name ⓘ

AS2 subject ⓘ

Cancel
OK

Write configuration, configure the saved path file name of receiving message, etc.

Edit receive configuration

Receive
Preprocess
Mapping
Write

Path
in

\* File name
\${owner}.txt

Append
☐

Cancel
OK

Pre-processing and mapping configuration with reference to **send configuration**

The receive configuration details fields are as follows:

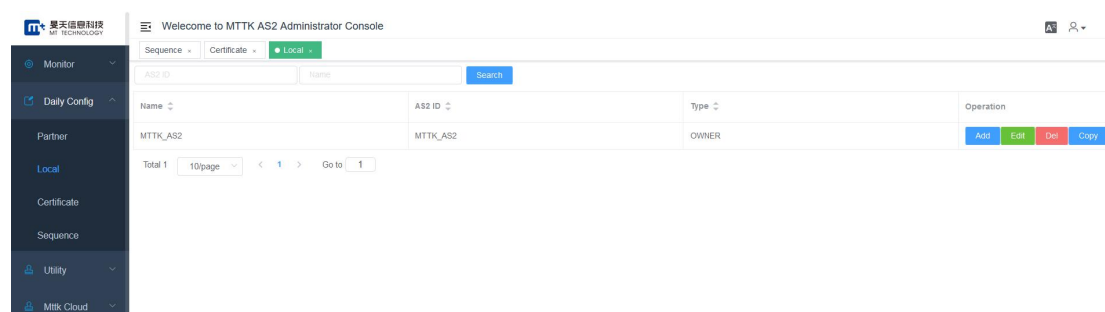
Field	Description
Received	
as2 file name	as2 the file name, the system will receive the as2 file name and configuration of the message to compare, match the corresponding receiving process
as2 title	as2 title, the system will receive the as2 text of the message title and configuration to compare, match the corresponding receiving process
Pretreatment	
Custom parameter key	Parameters for custom content key, Customizable content includes sender, receiver, document type, document number
Custom parameter content type	Set the type of custom parameter content: fixed value / xpath expression / jpath expression / get from directory structure / get from file name / get from edi file
Fixed value	Set the custom parameter content to a fixed value
From which message	Sets the custom parameter content to fetch values from the pre-/post-mapping message
xpath content	xpath the script, the system automatically reads the corresponding message according to the configuration script, and takes the reading content as the value of the custom parameter. example :/ order/id get the value id under the order node
jpath content	jpath the script, the system automatically reads the corresponding message according to the configuration script, and takes the reading content as the value of the custom parameter. Example :\$. order.order_id get the value order_id under the order node
Directory hierarchy	Sets the directory name at the specified level in the send root/receive root as the value of the custom parameter. Example 0 means taking the file name and 1 means taking the directory name where the file is located, with the number increasing, take the value forward in turn until the root directory
Splitter	A splitter that splits a file name, for example: order_123.txt delimiter is _

Segmentation subscript	After splitting the file name, which subscript is selected as the value of the custom parameter
Mapping	
Select Mapping Class	Select the mapping class to format the original message
Parameters	key of parameters to be passed into the map
Parameters	value of parameters to be passed into the map
Write	
Write path	The write path is automatically spliced after writing to the local root directory
Write file name	File name written to file
Additional	Whether to append content when the same filename appears

### 3.3.2 Local configuration

Local configuration is mainly used to configure local AS2 related information, such as AS2 number, relevant certificates, etc.

A local configuration interface is a list that can configure multiple local AS2 information to add, delete, and copy



Edit local partners ▶

Name ⓘ

\* AS2 ID ⓘ

Signature cert ⓘ

\*\*\* ✕

Encryption cert ⓘ

\*\*\* ✕

Cancel

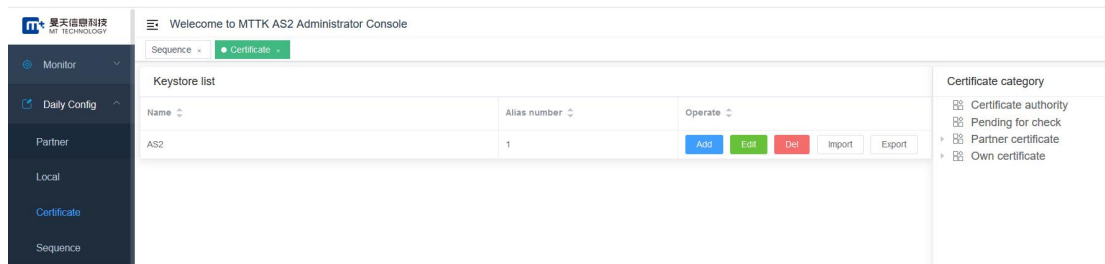
OK

The relevant detailed fields are as follows:

Name of name	Description
Name of name	Name of local AS2 configuration
AS2 No.	The unique number of the local AS2 configuration, the unique number in

	the transceiver network environment, the exchange ID agreed by both parties
Signature certificate	Selecting a certificate from certificate management needs to be used when signing the sending content
Encryption Certificate	Selecting a certificate from certificate management needs to be used when you need to encrypt the sending content

### 3.3.3 Certificate management



Provides a common certificate storage and invocation interface

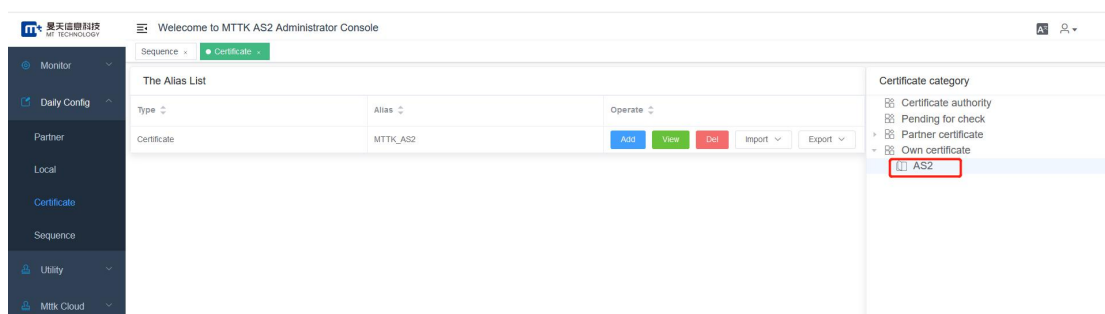
Certificates are organized according to the hierarchy of certificates key libraries  
certificates or private keys

The certificate classification includes 4 categories and can not be modified

Classification	Note
Certificate authority	CA root certificate stored
Pending for check	Certificate awaiting validation
Partner certificate	Partner certificate
Own certificate	Self-certificate

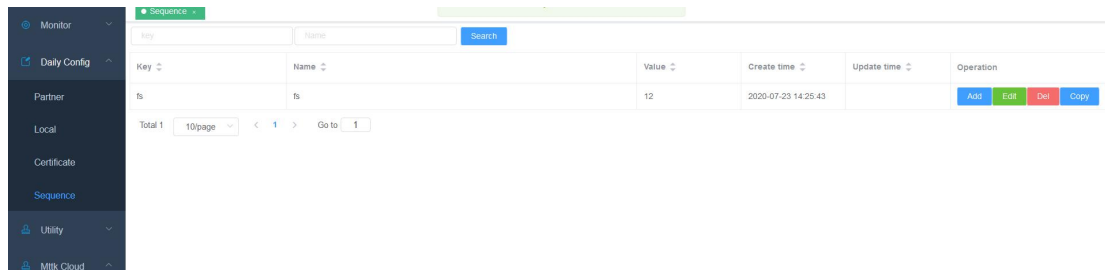
Click on the right certificate classification to maintain the key bank

Click on the secret key library to maintain certificates, import and export certificates



### 3.3.4 Sequence

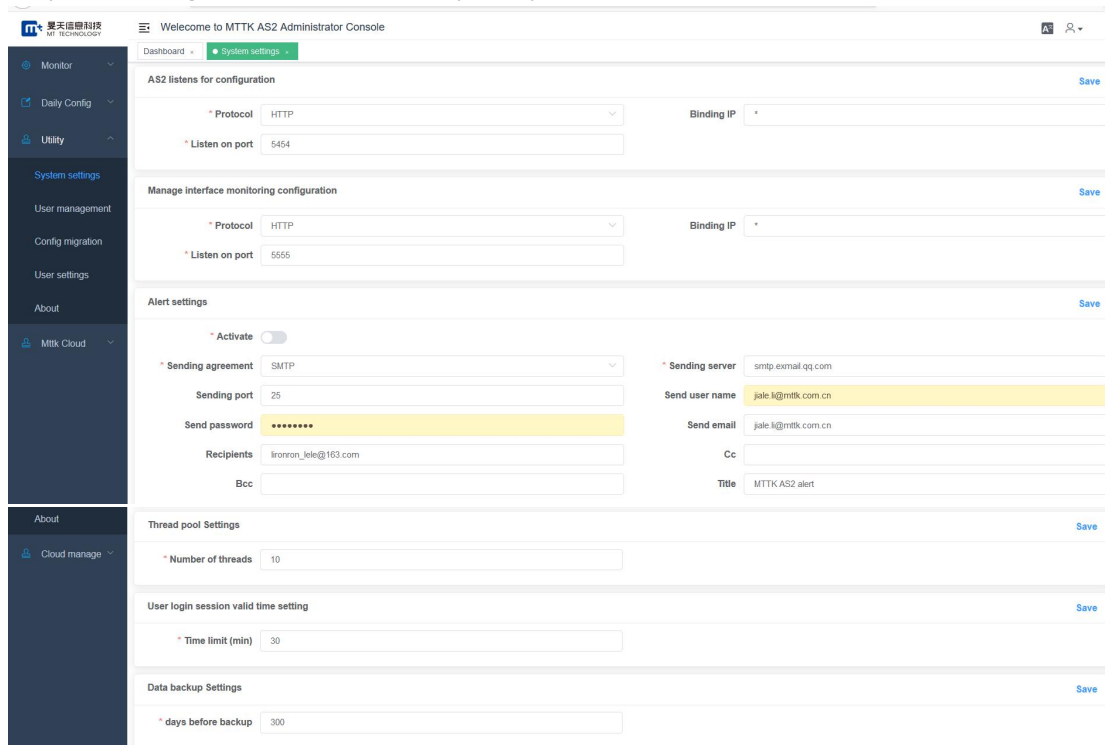
automatically increase the serial number after each call.mainly used in mapping maps, such as unique values of envelopes used to generate EDI files. Edit the value that can modify the ordinal number



## 3.4 Utility

### 3.4.1 System settings

In system settings, users can set some system parameters



AS2 message receiving URL

<http://yourip: port/ as2>

AS2MDN receiving URL

<http://yourip: port/ mdn>

Note: yourip and ports are the binding IP and ports in the system settings. If there is a firewall, you may have mapped the IP address or port, at this point URL please contact the network administrator.

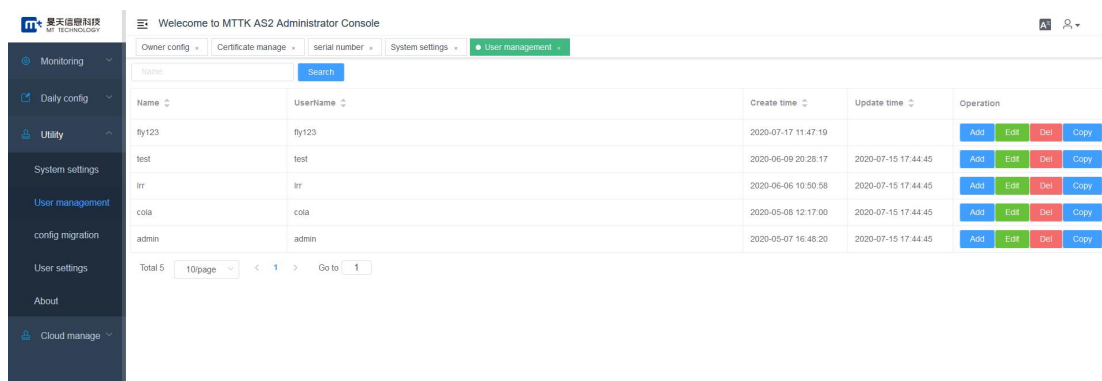
Name of name	Description
<b>AS2 listening configuration</b>	
Agreement	AS2 listening protocol: http/https

Binding IP	IP. AS2 listening binding Empty represents binding all IP.
Port	AS2 listening port
Certificate	https protocol only: https encryption certificate
Session cache size	For https protocols only: Set the size of the session cache
Encryption packages included	Only for https protocols: encryption packages contained in https protocols
Excluded Encryption Suite	Only for https protocol: https protocol excluded encryption suite
Protocol contained	Only for https protocols: which https contain
Exclusion agreements	Only for https agreements: which agreements https exclude
<b>Management interface listening configuration</b>	
Agreement	Management interface listening protocol: http/https
Binding IP	IP. for managing the interface front-end access binding Empty represents binding all IP.
Port	Management interface front-end access listening port Save and re-access the admin background with the modified port
Certificate	https protocol only: https encryption certificate
Session cache size	For https protocols only: Set the size of the session cache
Encryption packages included	Only for https protocols: encryption packages contained in https protocols
Excluded Encryption Suite	Only for https protocol: https protocol excluded encryption suite
Protocol contained	Only for https protocols: which https contain
Exclusion agreements	Only for https agreements: which agreements https exclude
<b>Alarm settings</b>	
Whether or not	Activate Alarm Settings
Delivery Agreement	Email Protocol (SMTP ,SMTP)
Sending server	Mail delivery server
Outgoing port	Mail port
Name of user	Email User Name
Issue Password	Email Password
Mailbox	Mailbox
Recipient	Mail recipient, allowing multiple recipients to be split using commas

Copy copy	A comma is used to divide multiple senders.
Dark	Messages are sent to so-and-so, allowing multiple dark senders to be split using commas
Title	Title of mail sent
<b>Thread pool settings</b>	
Number of scheduling threads	Number of system scheduling threads modified
<b>Effective Time Settings session User Login</b>	
Duration of validity (minutes)	Fixed valid time limit session user login
<b>Data backup settings</b>	
How many days of backup data	Set up how many days of system backup data

### 3.4.2 User management

The main display of the system user list, in this interface to maintain the system user data, such as add, modify, delete operations



Name of name	Description
Name of name	User management name
User name	System login user name
Password	Login Password

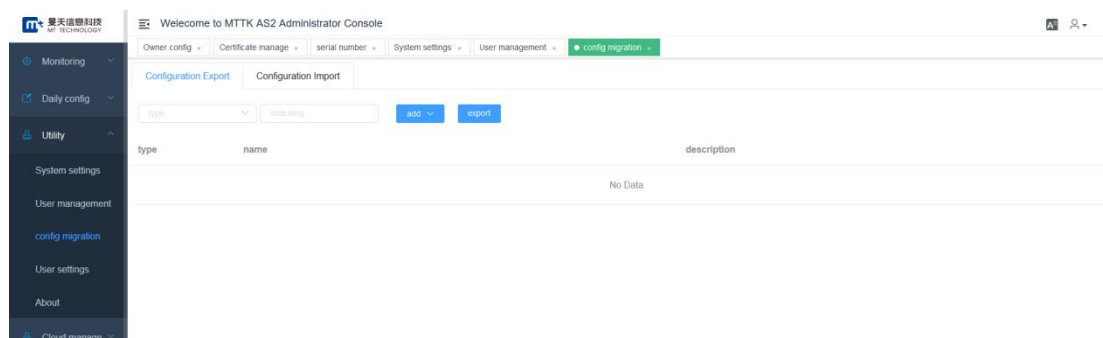
### 3.4.3 Configuration Migration

This feature is used to migrate installation configuration information between different installation instances. The most typical application scenario is migration from developer to tester or from tester to formal machine. Because the configuration of different installation instances is often not very different, such as only need to modify the IP address, this tool can simplify the operation and reduce errors.



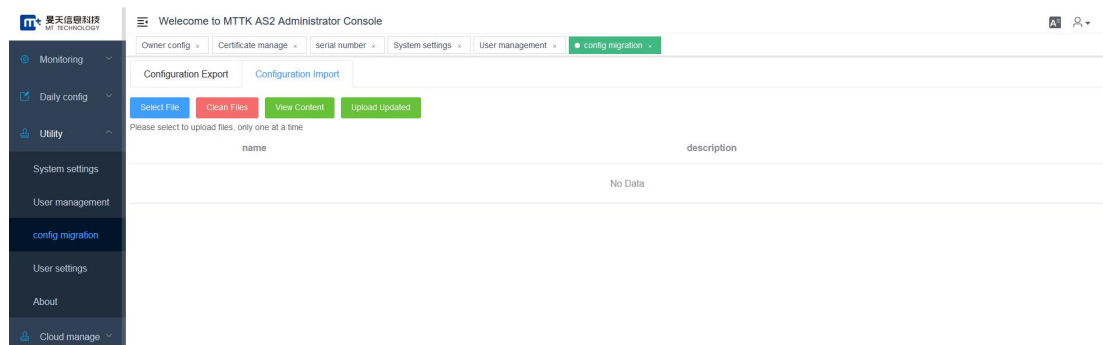
After selecting the object you want to export, click the Export button to save the generated configuration package.

Copy the generated configuration package to the target environment and import the configuration



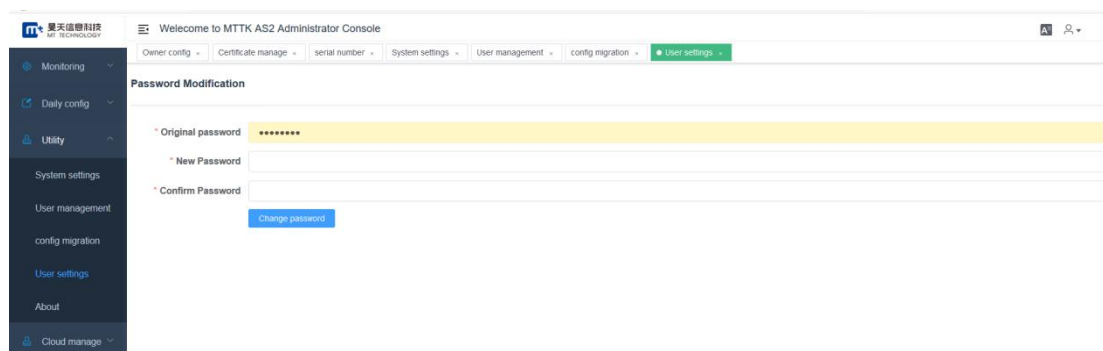
First browse to the exported configuration package through the Select File button, and the system parses the configuration package and displays it in the list.

A configuration that does not exist after import is created and the same configuration is overwritten.



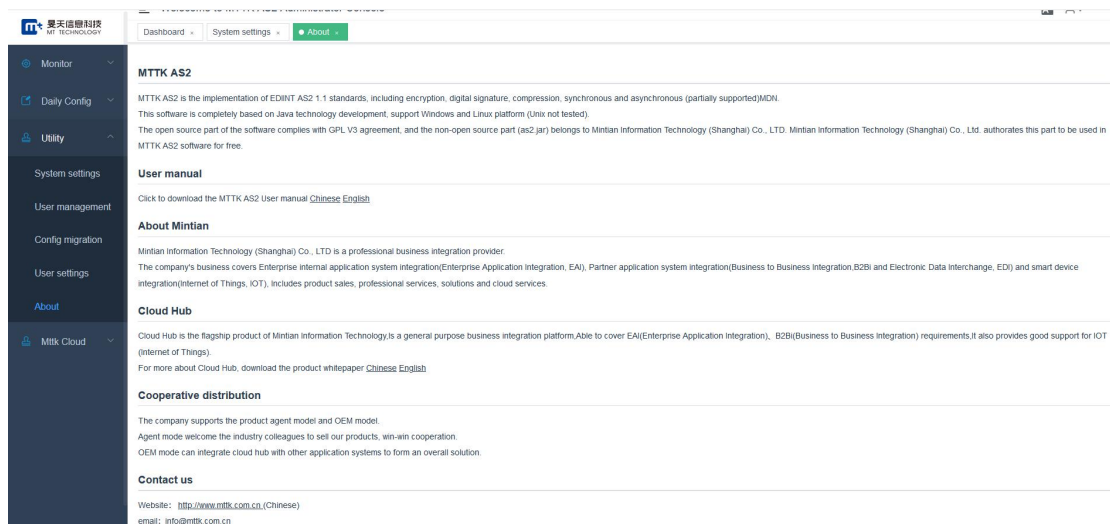
### 3.4.4 User Settings

User can change user password in this module



### 3.4.5 About

This interface mainly introduces MTTK AS2 and our company (Mintian Information Technology (Shanghai) Co., Ltd.) and flagship products (Cloud Hub) related information, and provide relevant documents download

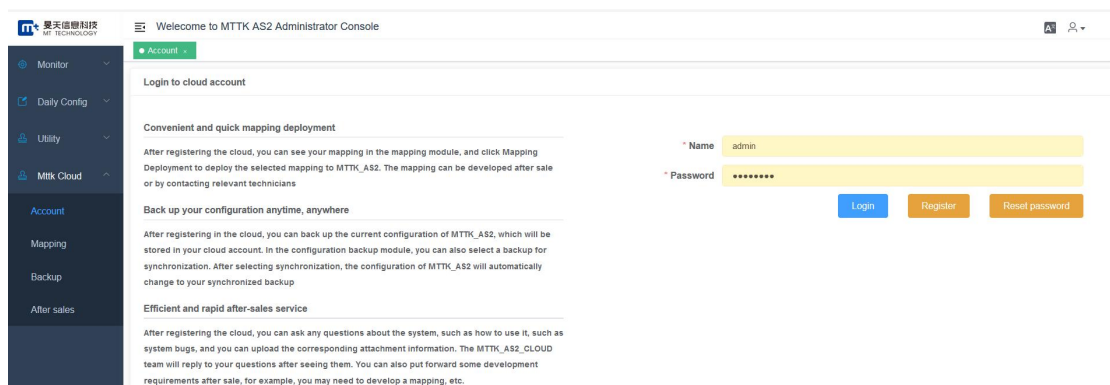


## 3.5 Cloud cloud management

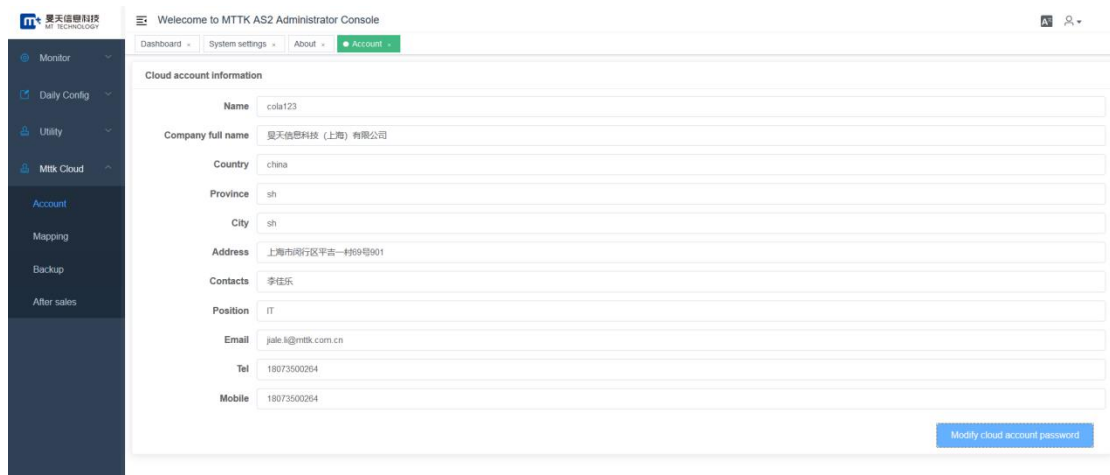
Cloud cloud management mainly provides customers with some cloud service functions, such as: backup system configuration, management mapping, and after-sales management.

### 3.5.1 Account

The main interface is the login interface



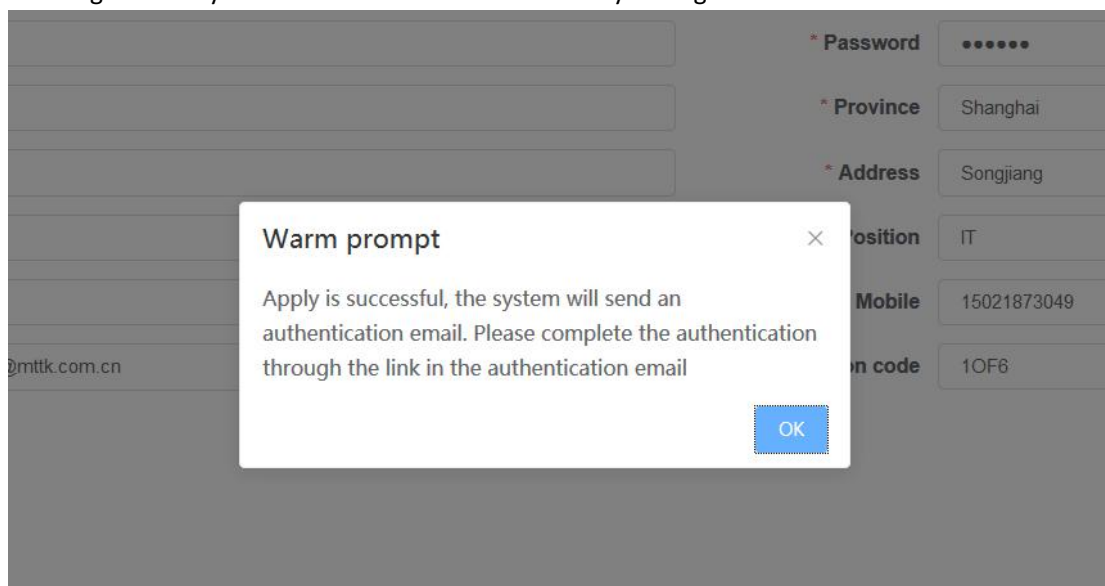
Click Login to Log in Cloud Account



Click to register for a cloud account

The screenshot shows the 'Create your account' form in the MTTK AS2 Administrator Console. The form includes fields for Company full name (MTTK), Name (MTTKCFX), Country (China), City (Shanghai), Contacts (Flychen), Tel, Email, Password (masked with dots), Province (Shanghai), Address (Songjiang), Position (IT), Mobile, and Verification code (1OF6). There are 'Register' and 'Back to Login' buttons at the bottom right.

Click register and you will be sent a certified email to your registered email address



You will receive the following email

Hello MTTKCFX,  
You are receiving this email because you recently created a new MTTK\_AS2 account or added a new email address. If this wasn't you, please ignore this email.

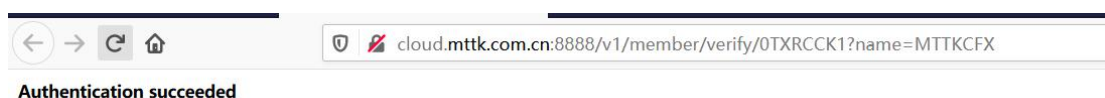
The activation address is:

<http://cloud.mttk.com.cn:8888/v1/member/verify/0TXRCCK1?name=MTTKCFX>

The code will be expired in 10 minutes.

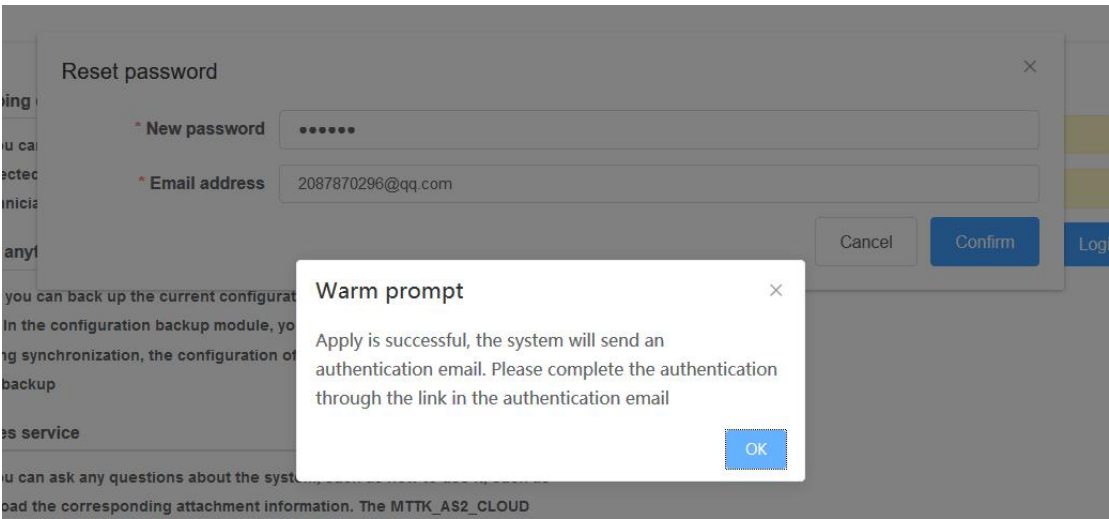
MTTK Cloud Support team

Click the link, which shows the following, then the registration is successful



If you forget the password, can be retrieved through the mailbox, currently only support the

mailbox to retrieve the password.



Hello asdSWD,  
You re receiving this email because you recently created a new MTTK\_AS2 account or added a new email address. If this wasn t you, please ignore this email.

**The activation address is:**

<http://cloud.mttk.com.cn:8888/v1/member/updatePasswordVerify/LOW1VOZG?email=2087870296%40qq.com&ret=MTTzNDU2&token=LOW1VOZG>

The code will be expired in **10** minutes.

MTTK Cloud Support team



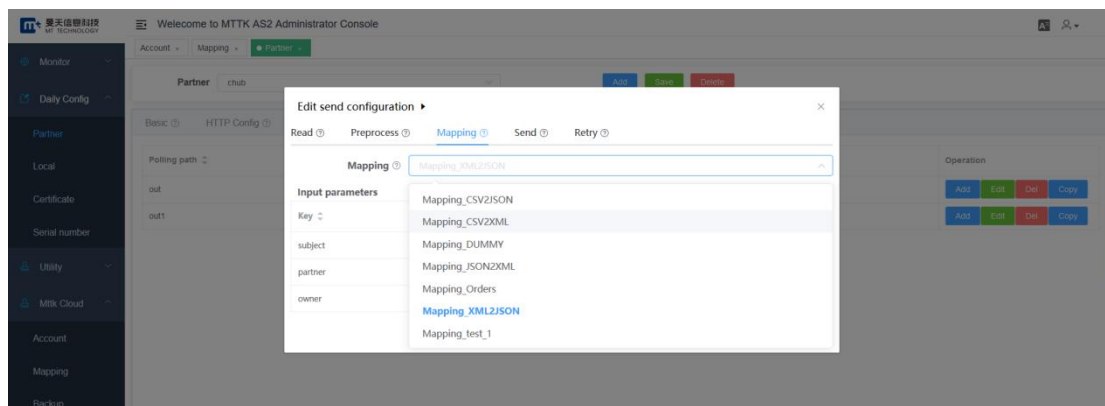
**Authentication succeeded**

### 3.5.2 Mapping

Map management mainly shows all mapping maps under this account, click deployment, can successfully deploy mapping.jar into the system

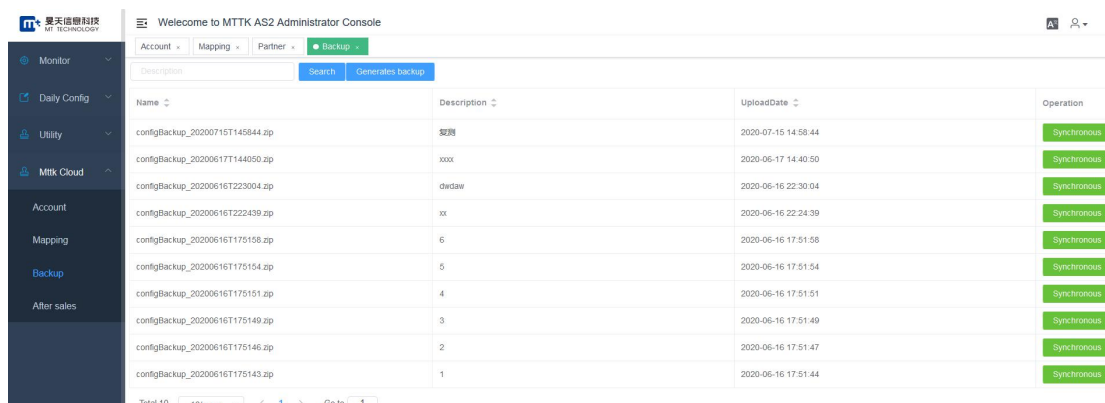
Welcome to MTTK AS2 Administrator Console				
Account - Mapping				
Description				
Name	Description	Upload time	Operation	
TestMapping.jar		2020-07-22 16:17:25	Deploy	
TestMapping.jar	测试上传的mapping	2020-07-15 11:08:45	Deploy	
order1.jar	曼天德泰科技公司, 订单相册Mapping	2020-04-29 17:48:36	Deploy	
order2.jar	曼天德泰科技公司, 订单相册Mapping	2020-04-29 17:48:36	Deploy	
order3.jar	曼天德泰科技公司, 订单相册Mapping	2020-04-29 17:48:36	Deploy	
order4.jar	曼天德泰科技公司, 订单相册Mapping	2020-04-29 17:48:36	Deploy	
order6.jar	曼天德泰科技公司, 订单相册Mapping	2020-04-29 17:48:36	Deploy	
order8.jar	曼天德泰科技公司, 订单相册Mapping	2020-04-29 17:48:36	Deploy	
order9.jar	曼天德泰科技公司, 订单相册Mapping	2020-04-29 17:48:36	Deploy	
order10.jar	曼天德泰科技公司, 订单相册Mapping	2020-04-29 17:48:36	Deploy	

The mapping to deploy can be invoked > the partner configuration - send/receive configuration

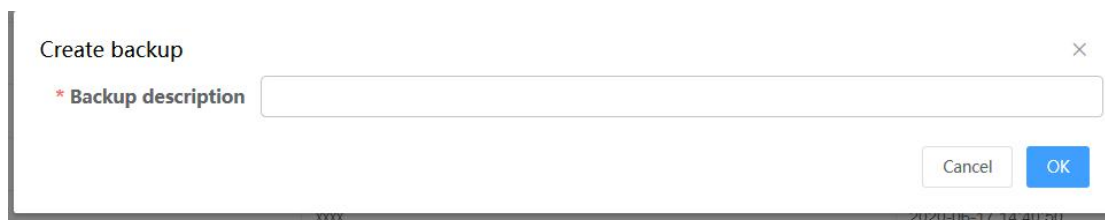


### 3.5.3 Backup

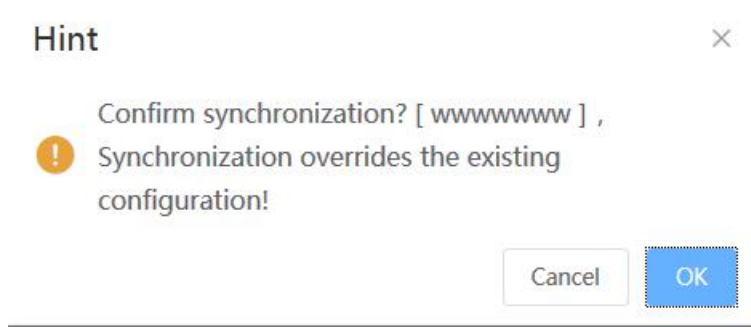
Backup management: The configuration in the system can be backed up and saved to the cloud.



Click Build Backup to backup the current system configuration



Click Synchronization to synchronize the backup configuration to the current system, which overrides the existing configuration



### 3.5.4 After-sales

After-sales management mainly provides after-sales application and check whether after-sales

## resolution function

MTTK AS2 Administrator Console

Account Mapping Partner Backup After sales

Monitor

Daily Config

Utility

Mtk Cloud

Account

Mapping

Backup

After sales

Type

Search Apply

Operation	Title	Type	Status	Application time
Q	stas	bug	Unsolved	2020-07-22 18:17:14
Q	fy 提交的bug	bug	Unsolved	2020-07-15 14:54:11
Q	mapping	bug	Unsolved	2020-07-15 11:08:17
Q	关于提交内容后，数据未同步到系统	bug	Unsolved	2020-04-29 14:08:23

Total 4 10/page < 1 > Go to 1

Customer may apply for after-sales service for system bug or suggestions for system optimization

Add after-sales application

\* title

\* Type bug

\* application content

verification code

Cancel OK

Click the View button on the left side of the list to see after-sale details

After sale details

Feedback message basic information attachment

[ cola123 ] 213

Published in 2020-07-13 12:06:19

reply Close the after-sales

After sale details

Feedback message

basic information

attachment

[ bug ] 根据会议结果修订了几个问题

unsolved

Published in2020-06-05 18:42:54

根据会议结果修订了几个问题根据会议结果修订了几个问题根据会议结果修订了几个问题根据会议结果修订了几个问题根据会议结果修订了几个问题

MathUtil.class

Download attachment

C4Mapping.jar

Download attachment

c4SupplierMapping.jar

Download attachment

Select file

Clear files

Upload attachment

Please select to upload files, only one at a time

The relevant buttons and fields are as follows:

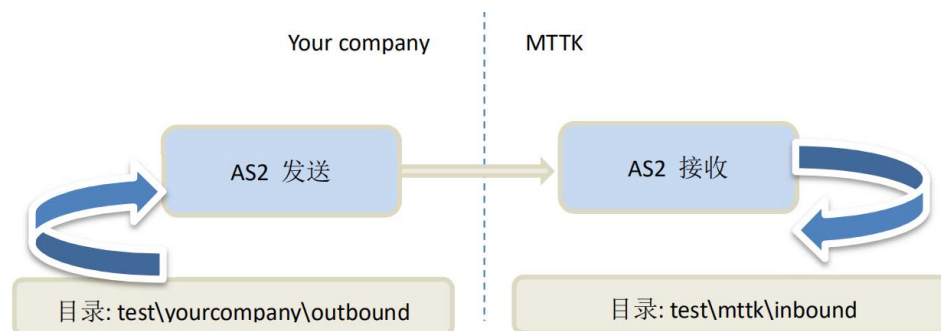
Field	Description
Feedback information	Feedback on post-sales issues
Reply	Customer response to feedback
Closed after sale	For this after-sales problem, if resolved, can be closed after-sales, the system will change the status of the problem, the end of the after-sales meeting.
Basic information	The basic content of the application after sale
Annex	Display documents related to the sale, e.g. mapping, etc.
Select files	Select attachments to upload
Clear files	Clear selected files
Upload attachments	Upload selected attachments

## 4 Quick start

### 4.1 Note

this chapter demonstrates the configuration of the AS2 through a sent and received scenario.

### 4.2 Demonstration scenario



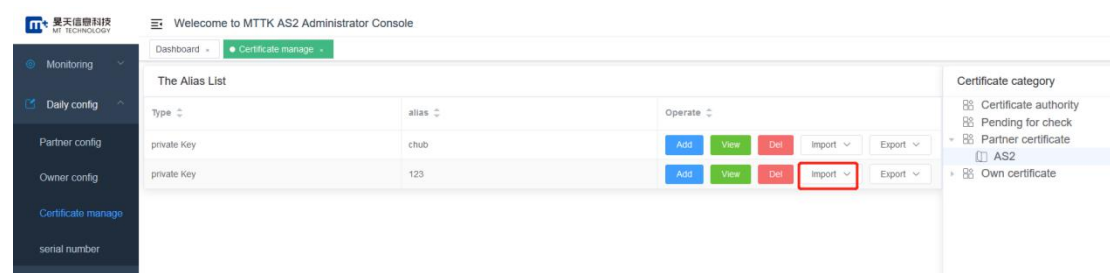
AS2 sending and receiving require two AS2 systems. This document demonstrates the deployment of two AS2 systems.

The system has two AS2ID: yourcompany and mttk. Yourcompany for sending, sending data from the directory MTTK AS2 installation directory test\yourcompany\outbound.mttk receive data and store data to the test\mttk\inbound.

### 4.3 Configuration details

Both sets of AS2 system configuration are the same, do not do repeated explanation.

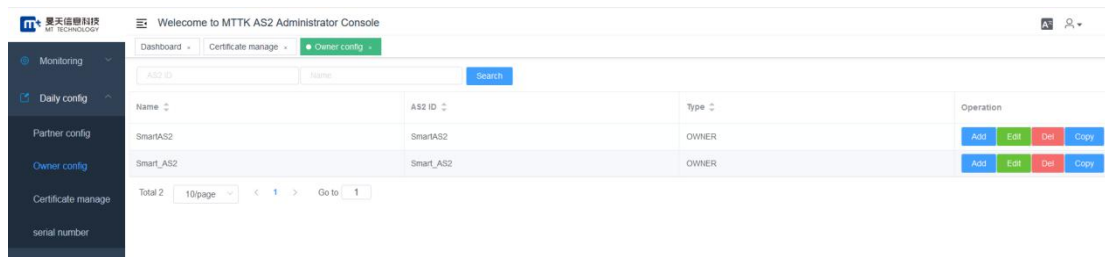
#### 4.3.1 Certificate import



Import another set of AS2 certificates in the certificate management interface

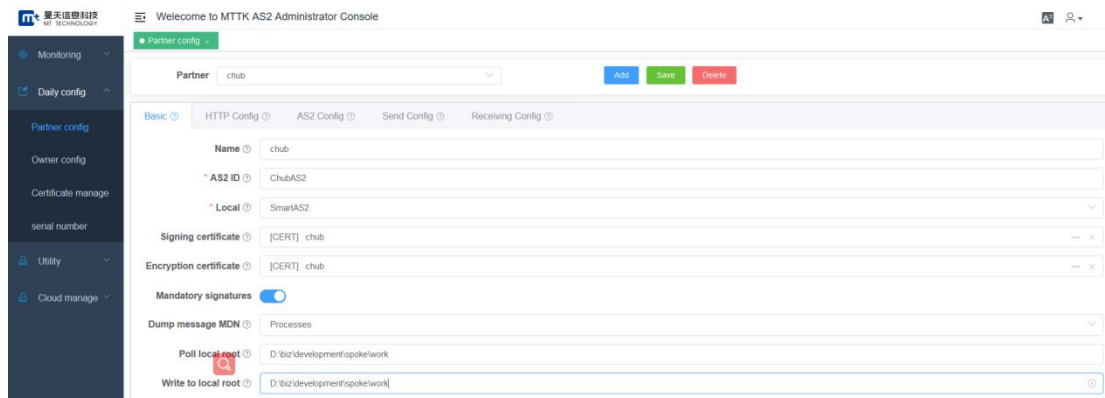


### 4.3.2 Local configuration

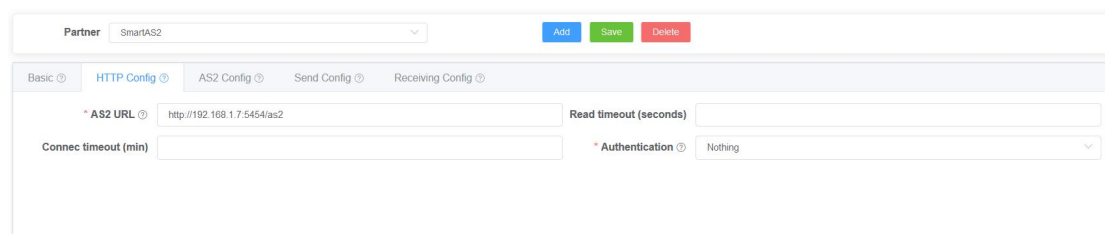


Add local AS2 information to the local configuration interface

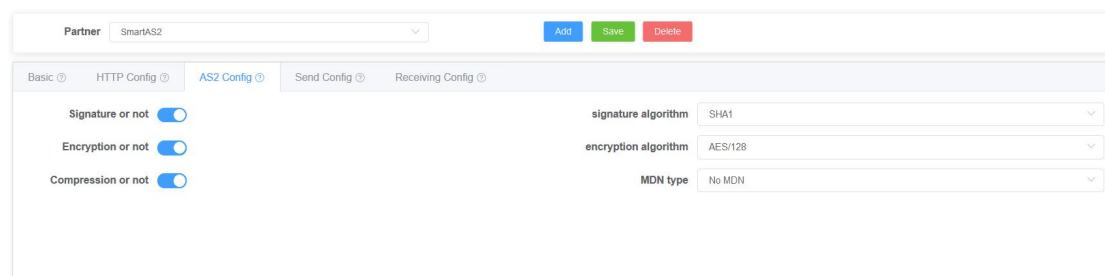
### 4.3.3 Partner configuration



Basic configuration interface, configure another set of AS2 related information and the system polling, write to the root directory (This demo root directory for the system installation directory)



On the HTTP configuration, configure another set of listening addresses for the AS2 system



Configuration AS2 parameter related information (encryption, signature, compression, etc.)

Partner
SmartAS2
Add Save Delete

Basic
HTTP Config
AS2 Config
Send Config
Receiving Config

Polling path	AS2 title	AS2 filename	Operation
out2	123	123.txt	Add Edit Del Copy

Edit send configuration

read
Pretreatment
mapping
Send
retry

Polling path
\test\your\company\outbound

\* Maximum number
-1

\* Search depth
-1

\* Batch number
-1

\* up processing
Delete

Cancel OK

Edit send configuration

read
Pretreatment
mapping
Send
retry

ContentType

AS2 filename
123.txt

AS2 title
123

Cancel OK

Send Configuration, Configuring Send Polling Path outbound, Send File Name and Title

Partner
SmartAS2
Add Save Delete

Basic
HTTP Config
AS2 Config
Send Config
Receiving Config

AS2 title	AS2 file name	Write file name	Operation
123	123.txt	123.txt	Add Edit Del Copy

Edit receive configuration

Receive
Pretreatment
mapping
write

AS2 file name
123.txt

AS2 title
123

Cancel
OK

Edit receive configuration

Receive
Pretreatment
mapping
write

Written to the path
test\yourcompany\inbound

\* Write file name
\${owner}.txt

append

Cancel
OK

Receive configuration, configure receive matching file name and title, and write path and file name

## 4.4 Testing

Copy any file to the directory test\yourcompany\outbound of both systems  
For 10 seconds, a successful file is sent in the test\mttk\inbound directory of another system  
note: if the file is larger, it will take more time to send.  
The files received from another AS2 system are stored in the test\yourcompany\inbound directory of the system  
A sending record and a receiving record can be seen in the business data interface

MTT TECHNOLOGY

Welcome to MTTK AS2 Administrator Console

Dashboard
Certificate manage
Owner config
Partner config
Runtime data

Start Time
2020-07-17 00:00:00
Status
Select
Partner
Select
Subject

Search
reset
Expand more
Manage display columns
Reset display columns
Total 10
10/page
1

View	Status	Direction	Partner	time	Subject	Local fileName	Order number	AS2 message number
Q	success	Receive	SmartAS2_1	2020-07-17 17:49:19	123	123.txt	<SmartAS2_1_SmartAS2_76d2cc35b934f91aad3c859ee4c30a0@chub>	<SmartAS2_1_SmartAS2_76d2cc35b934f91aad3c859ee4c30a0@chub>
Q	success	Receive	SmartAS2_1	2020-07-17 17:49:14	123	123.txt	<SmartAS2_1_SmartAS2_76d2cc35b934f91aad3c859ee4c30a0@chub>	<SmartAS2_1_SmartAS2_76d2cc35b934f91aad3c859ee4c30a0@chub>
Q	success	Receive	SmartAS2_1	2020-07-17 17:49:09	123	123.txt	<SmartAS2_1_SmartAS2_76d2cc35b934f91aad3c859ee4c30a0@chub>	<SmartAS2_1_SmartAS2_76d2cc35b934f91aad3c859ee4c30a0@chub>
Q	success	Send	SmartAS2_1	2020-07-17 17:48:30	123	1234.txt	<SmartAS2_1_SmartAS2_1_c21f5748d224ed586b3b786a7c8a2@chub>	<SmartAS2_1_SmartAS2_1_c21f5748d224ed586b3b786a7c8a2@chub>
Q	success	Send	SmartAS2_1	2020-07-17 17:45:50	123	新建文本文件.txt	<SmartAS2_1_SmartAS2_1_870b28bc837741f0b3579002965d8d20@chub>	<SmartAS2_1_SmartAS2_1_870b28bc837741f0b3579002965d8d20@chub>