

Twitter public opinion guidance and control system

Product white paper

(V1.0 version in 2022)

1	Introduction	1
2	Requirements analysis	1
3	Product Introduction	2
3.1	Product introduction.	2
3.2	Product composition.	2
3.3	System architecture.	3
3.4	Network architecture.	3
4	product features	4
4.1	Home page	4
4.2	Data overview.	4
4.3	Twitter account forensics	5
4.2.1	Public opinion guidance and control.	5
4.2.2	Evidence collection list	8
4.2.3	Account list	9
4.2.4	Group management	11
4.4	Twitter public opinion monitoring	12
4.3.1	Public opinion monitoring	12
4.3.2	Monitoring personnel list.	13
4.3.3	Group management	13
4.5	Material management.	14
4.6	Operation history.	14

5	product parameters	15
6	Product Deployment	16
6.1	Applicable environment	16
6.2	Deployment method	16
7	product advantages	16

1

Introduction

The Internet has become another important media after newspapers, radio, and television, and has become one of the main carriers to reflect social public opinion. Its unique interactivity in communication is something that these media did not have before. It is irreplaceable. Various data show that the number of netizens in our country is increasing. At the same time, it is precisely because of the active participation of netizens that the results of many incidents have changed. Therefore, it is crucial for public security organs to do a good job in guiding and controlling public opinion to maintain social stability. Therefore, modern information technology must be used to analyze online public opinion to control and guide it. In this trend, it is necessary for the government and public security agencies to carry out active management, check public sentiment in a timely manner, follow up on public opinion, guide a healthy and positive social public opinion environment, explore reasonable public opinion control and guidance methods and countermeasures, and establish Improving the long-term mechanism for public opinion guidance and control has important theoretical and practical significance for building a harmonious network environment and maintaining social stability.

As a kind of soft power, online public opinion regulation is playing an increasingly important role. Strengthening public opinion early warning and countermeasures is to promote the regulation of public opinion. It plays an indispensable role in effectively regulating the content of social public opinion, grasping the direction of public opinion, guiding the power of social public opinion, realizing two-way communication between party and government agencies and the public, and promoting social harmony and harmony. The role of estimation. Internet sentiment is a reflection of social sentiment. To grasp Internet sentiment, we must realize that online public opinion early warning and countermeasures are a systematic project that require the participation of statistics, united front, civil affairs, public security and other departments. However, as the defender of social stability, the public security organs Early warning and countermeasures for online public opinion bear particularly special responsibilities in the entire social security prevention mechanism.

Currently, Twitter has become a distribution center for netizens to exchange opinions and has become the focus of Internet public opinion governance. It requires a huge investment of material, human and financial resources to carry out all-round supervision and supervision, and to control various online illegal activities such as Internet rumors and cyber crimes. To combat and stop. We must resolutely crack down on Internet rumors and Internet illegal persons with a "zero tolerance" attitude, not providing soil and space for Internet rumors to breed and spread, and jointly create a fresh online world where rumors are not spread, rumors are not believed, and rumors are not spread.

2 Requirements analysis

In order to strengthen the initiative in controlling overseas social public opinion, and effectively target overseas social media in daily network special investigation work,

Use the communication platform to carry out online public opinion monitoring work. Building a public opinion guidance and control system for Twitter can meet the needs of current network special investigation work.

At the same time, we will improve our ability to deal with public opinion emergencies and countermeasures against Twitter, and improve our comprehensive management methods for overseas Twitter.

(1) Improve the ability to handle public opinion conflicts on Twitter

In order to be able to immediately discover bad public opinion, illegal public opinion, reactionary public opinion, etc. during network special investigation work, a key personnel control evidence

collection platform based on Twitter was established to grasp target information and dynamics in real time, achieve rapid response and instant processing, and integrate public opinion. The harm is

minimized. Improve the public opinion management methods for overseas Twitter platforms and effectively improve the ability to handle public opinion emergencies.

(2) Strengthen the ability to counter public opinion on Twitter

In order to meet the requirements for evidence collection and countermeasures against overseas Twitter public opinions in daily special investigation work, the construction of a

Twitter public opinion guidance and control system will help achieve comprehensive management and control of Twitter targets and achieve comprehensive evidence collection and control of

target Twitter. It is conducive to taking the initiative to counteract public opinion, thereby achieving an all-round improvement in countermeasures against overseas Twitter.

3 Product Introduction

3.1 Product introduction

The Twitter Public Opinion Guidance and Control System is a product that integrates countermeasures and public opinion monitoring for Twitter accounts on overseas social platforms.

It uses exclusive non-inductive forensics technology and big data intelligent crawler technology to realize public opinion monitoring and countermeasures for Twitter accounts.

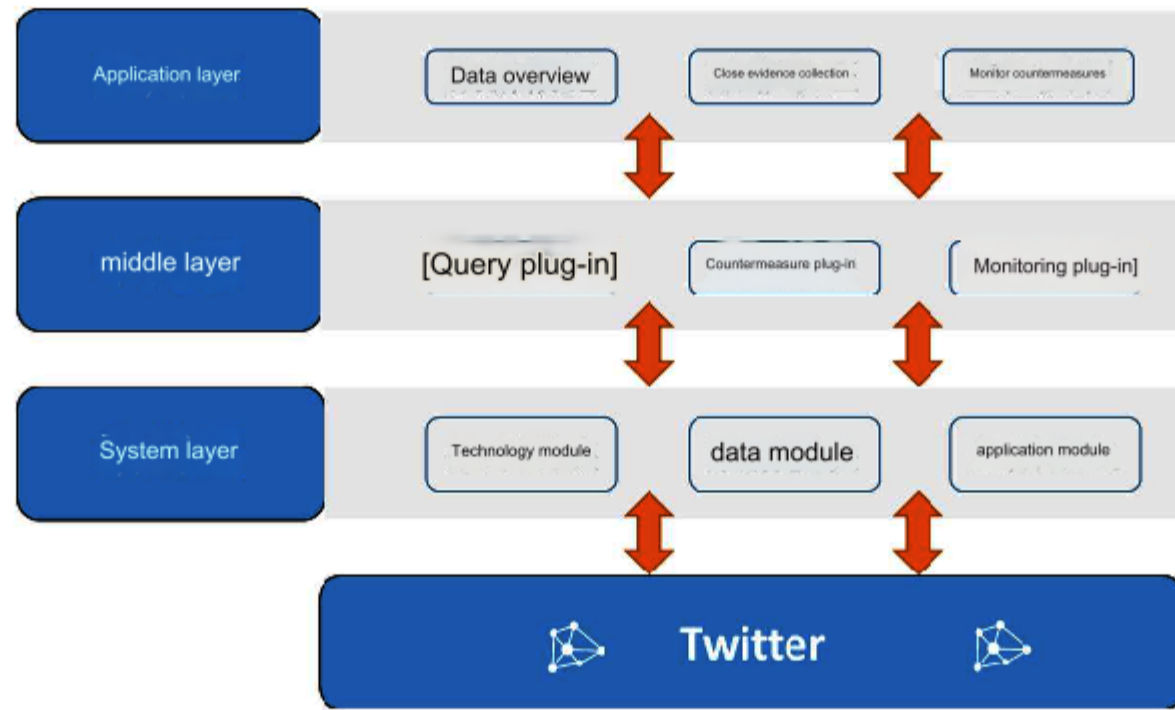
3.2 Product composition

The Twitter public opinion guidance and control system is a pure software system and adopts a B/S architecture. Users only need to log in to the platform through an authorized account

and password to use it normally. The product composition list is as follows:

1. Platform client software: 1 set
2. Platform authorized login account: 1 set
3. Platform user manual: 1 copy

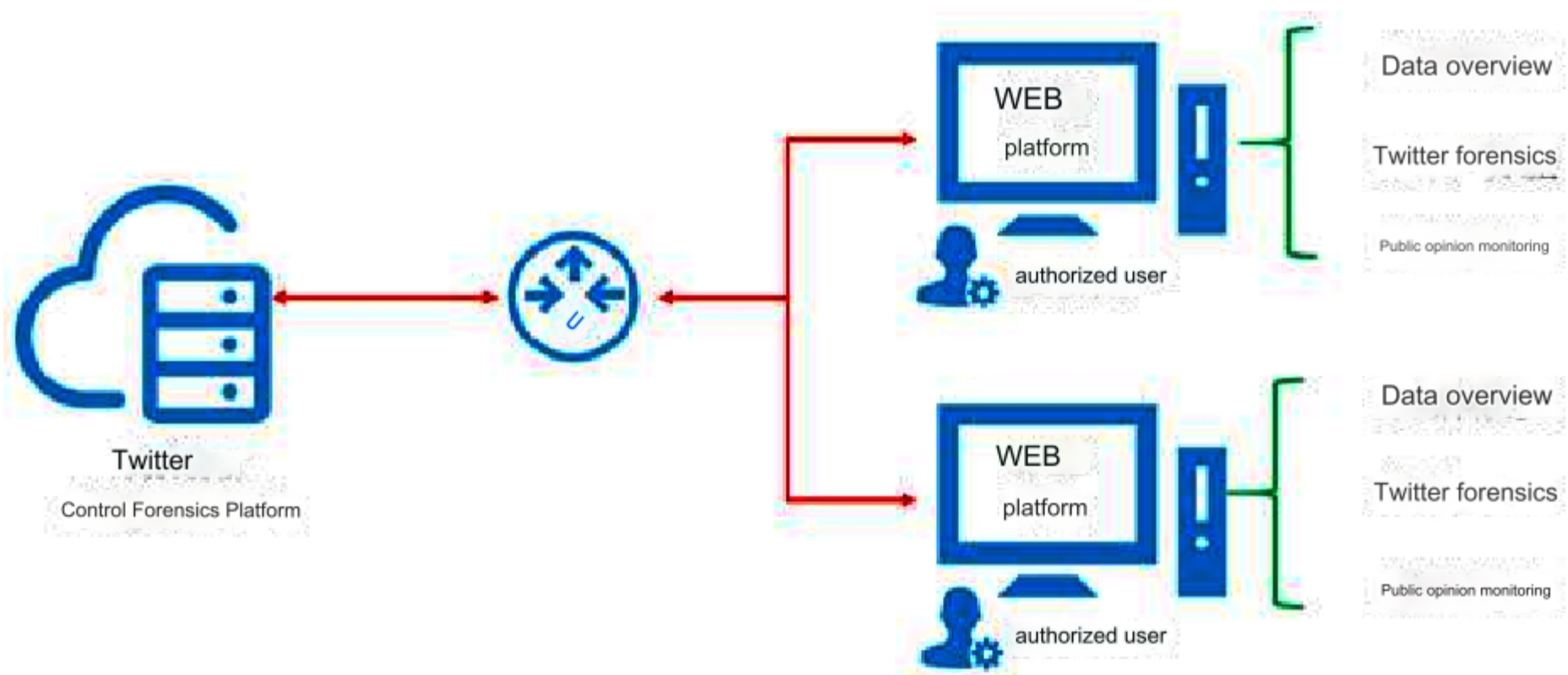
3.3 System architecture



(Twitter public opinion guidance and control system system architecture)

The Twitter public opinion guidance and control system is based on years of research and breakthroughs in the security mechanism of the Twitter platform, combined with current network technology, and is implemented through comprehensive design and development. As the foundation of the platform, the system layer integrates the technical modules, data modules and application modules based on Twitter-based control forensic applications, ensuring that the entire platform can implement technology implementation, data updates and data applications in real time and effectively; the middle layer cooperates with query plug-ins and countermeasure plug-ins, and monitoring plug-ins to achieve application presentation and breakthroughs of specific technologies; the application layer allows users to conduct a series of operations such as data overview, evidence collection, monitoring and countermeasures for the entire Twitter public opinion guidance and control system in actual use.

3.4 Network architecture



(Twitter public opinion guidance and control system network architecture diagram)

In order to achieve control and evidence collection for target personnel related to the overseas social platform Twitter, the control platform is generally deployed in overseas VPS to achieve comprehensive control and evidence collection functions for overseas targets. The platform is designed using B/S architecture. Users must obtain authorization from the platform.

In this case, you can log in to the platform anytime and anywhere to conduct daily operations such as data overview, Twitter forensics, and public opinion monitoring.

4 product features

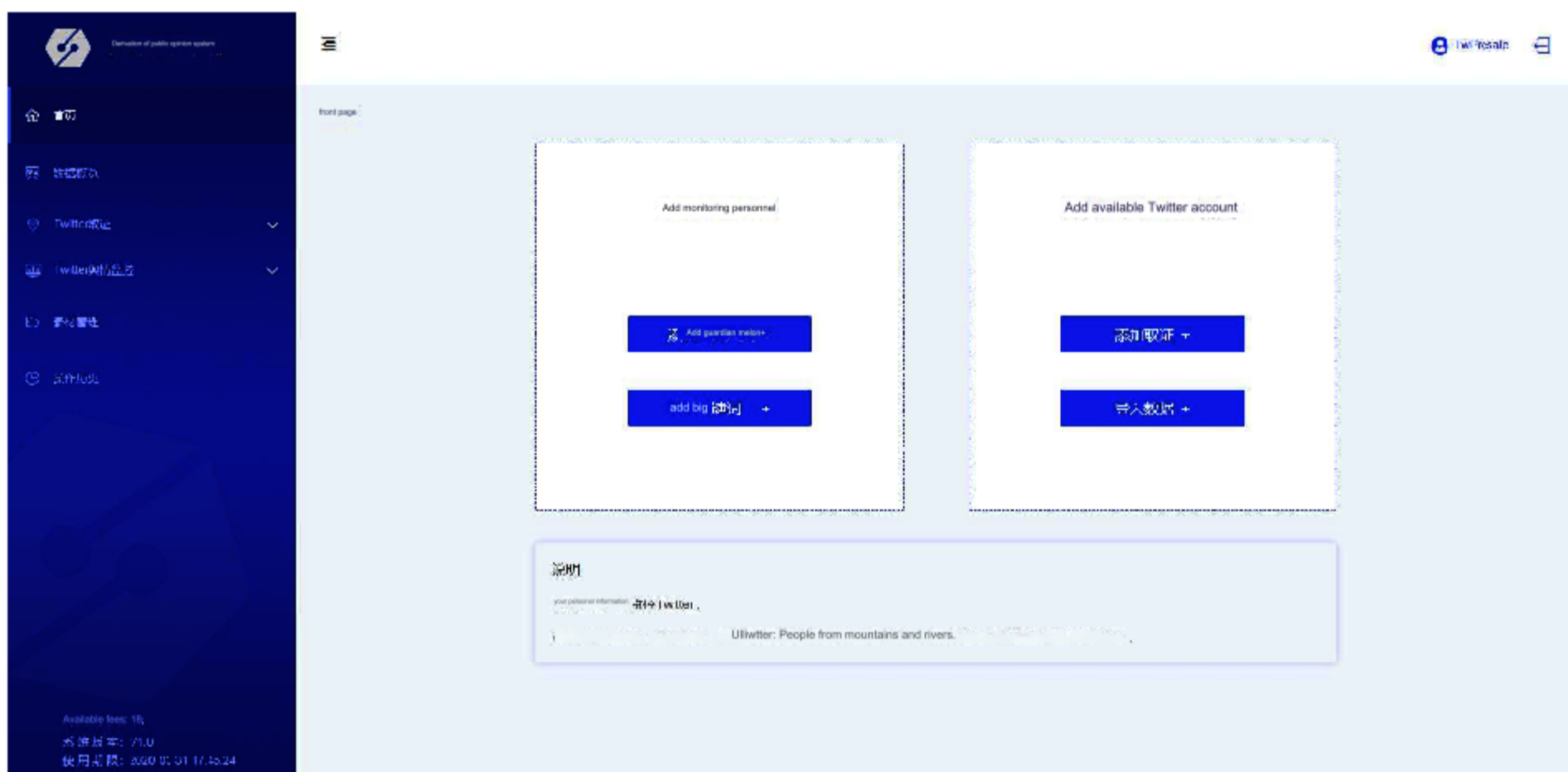
The Twitter public opinion guidance and control system mainly provides comprehensive functions of information query, account countermeasures, and public opinion monitoring. Users can

carry out control and evidence collection work on target Twitter accounts according to needs.

4.1 Home page

The system supports adding monitoring personnel, adding keywords, adding evidence collection, and importing data on the home page interface, and provides imported data

templates for download, which facilitates public opinion guidance and public opinion monitoring of Twitter accounts.



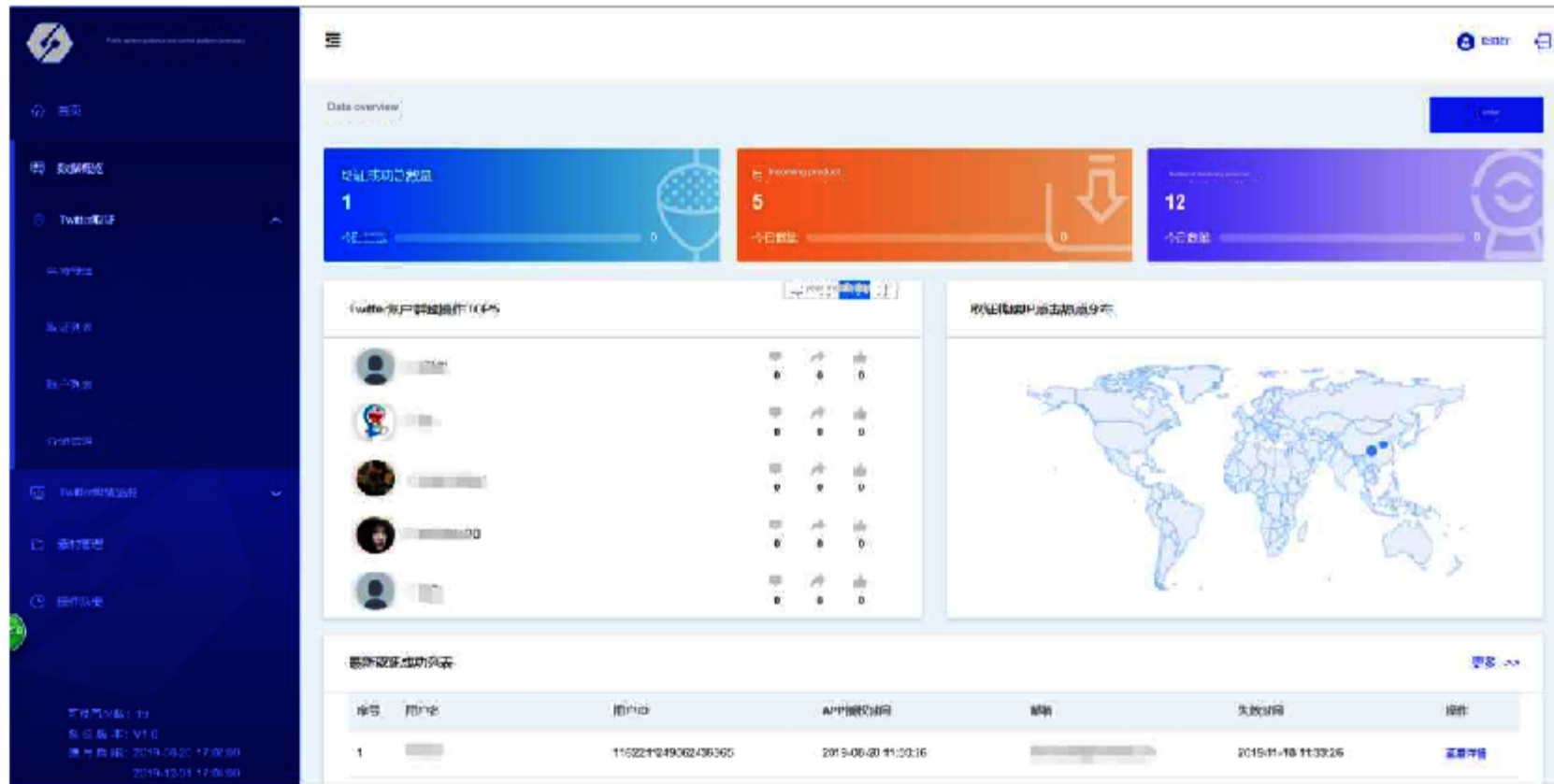
(front page)

4.2 Data overview

The platform provides a data overview function based on some controlled Twitter accounts. On the data overview page, users can view the platform's current

total number of successful forensics, total number of successful imports, total number of monitoring personnel, view the TOP5 Twitter account group control

operations, and forensic link IPs Click hotspot distribution, latest evidence collection success list, latest tweets, TOP5 number of tweets, etc.



(data overview)

4.3 Twitter account forensics

The user obtains the evidence collection link through the platform, and by attaching to the target person, placing the link, and inducing the target to click on the evidence

collection link. After the click is successful, the target Twitter account authority can be obtained, and the countermeasure function of the target Twitter account can be realized through

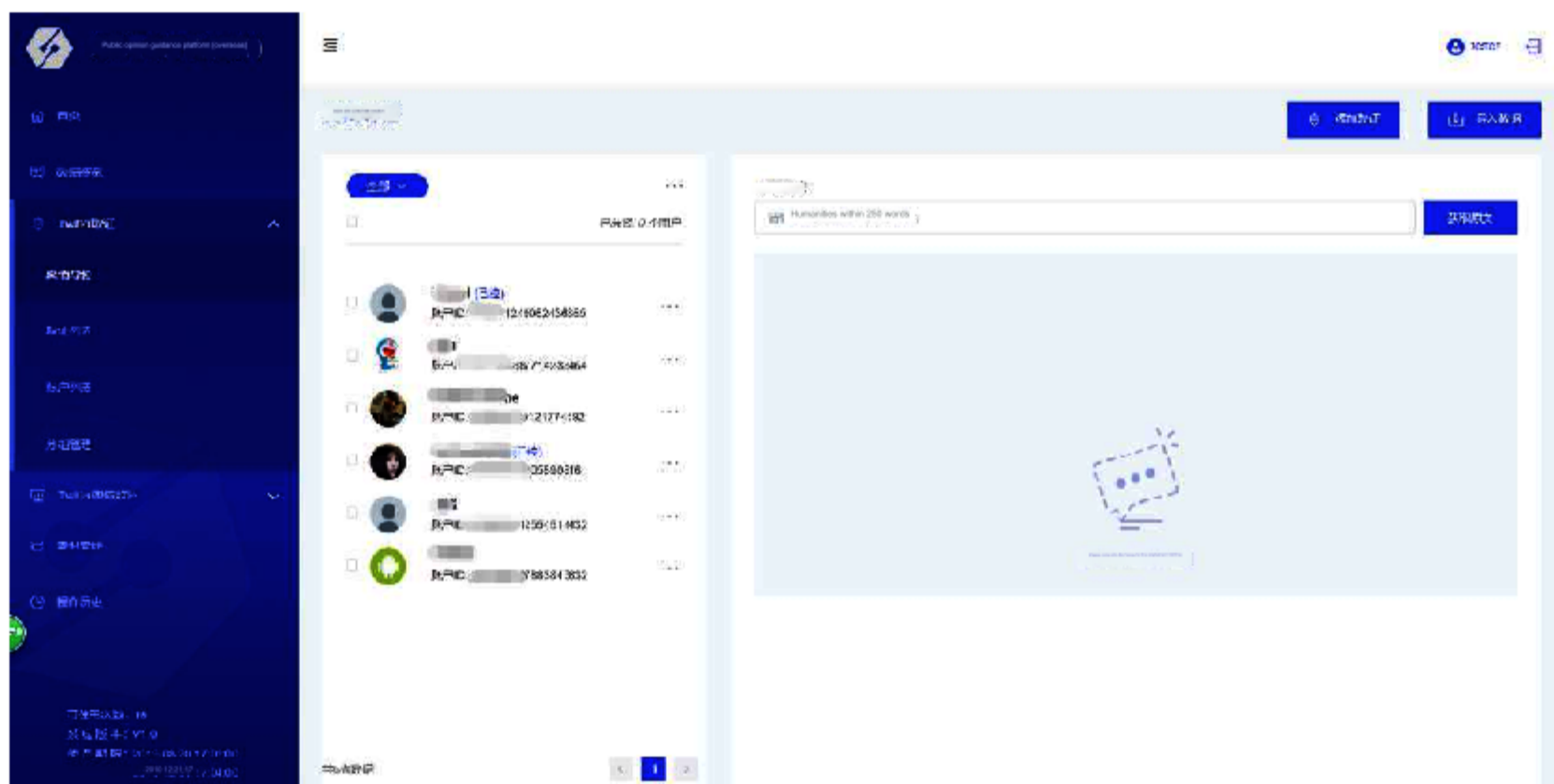
Twitter. The public opinion guidance and control system obtains the comprehensive permissions of the target Twitter account to publish tweets, view private messages, comment on

tweets, forward tweets, like tweets, etc. If there is no need to monitor the target Twitter account, the target can be deleted from the platform.

4.3.1 Public opinion guidance and control

Enter the system, select public opinion guidance and control, select one or more controlled Twitter accounts, enter the tweets that need to be public

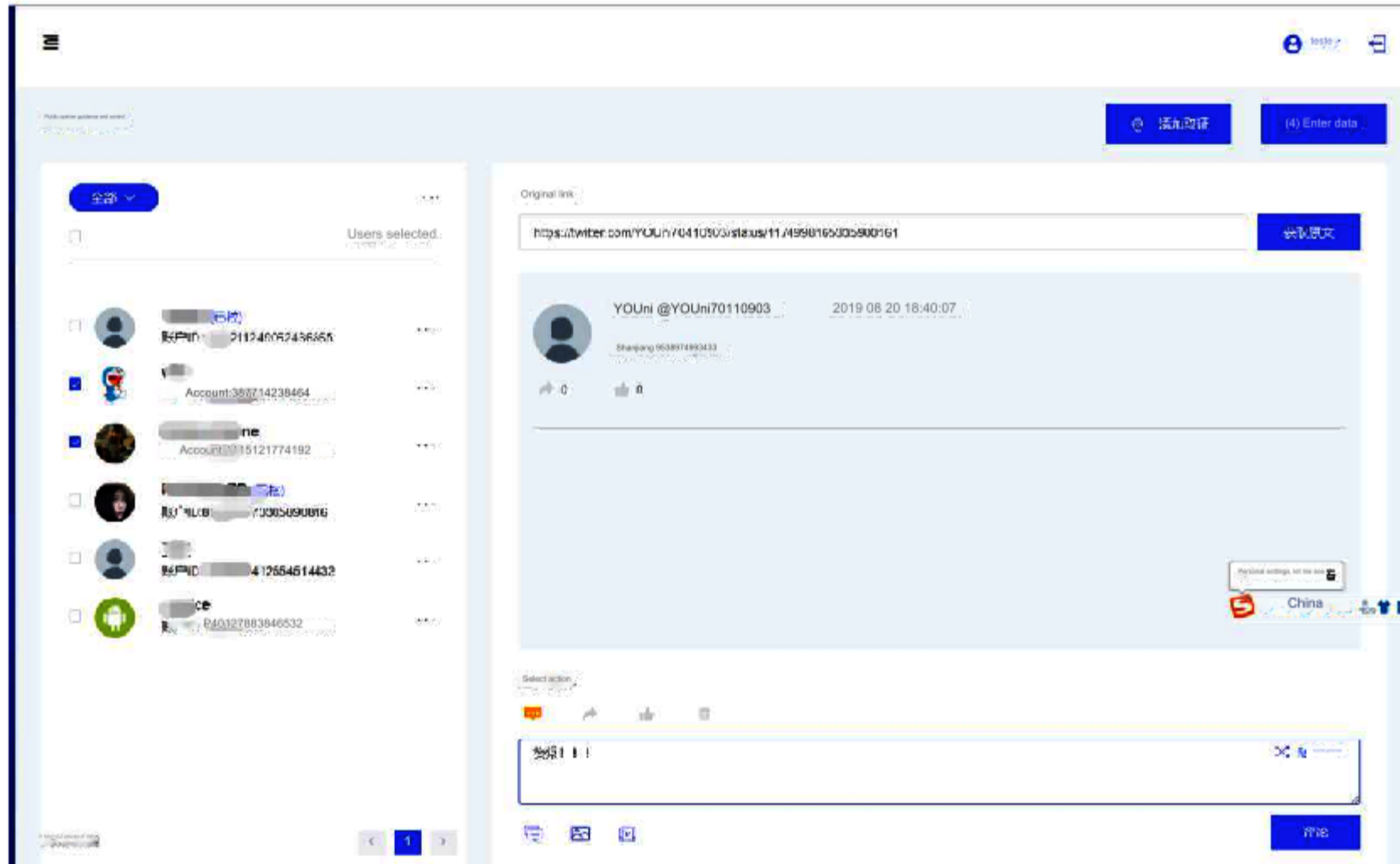
opinion guidance and control, obtain the original text, and select operations to comment, forward, and like. As shown below:



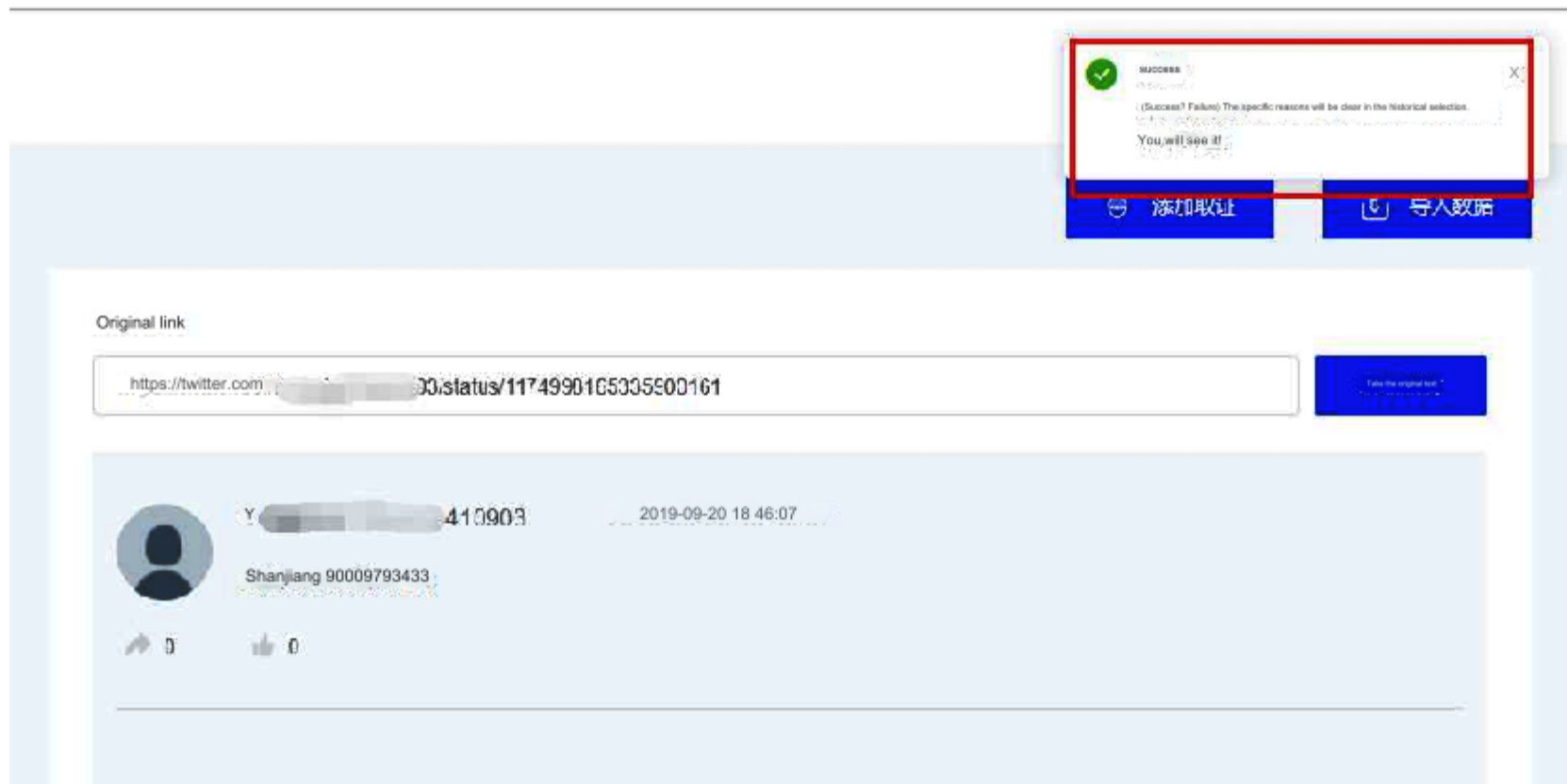
(Public opinion guidance and control)

Select the tweet of the target Twitter account, select a comment, enter the content of the comment, and click Comment to

comment on the tweet. On the same interface, you can like and forward the tweet.



(Tweet comments)



(Comment successful)

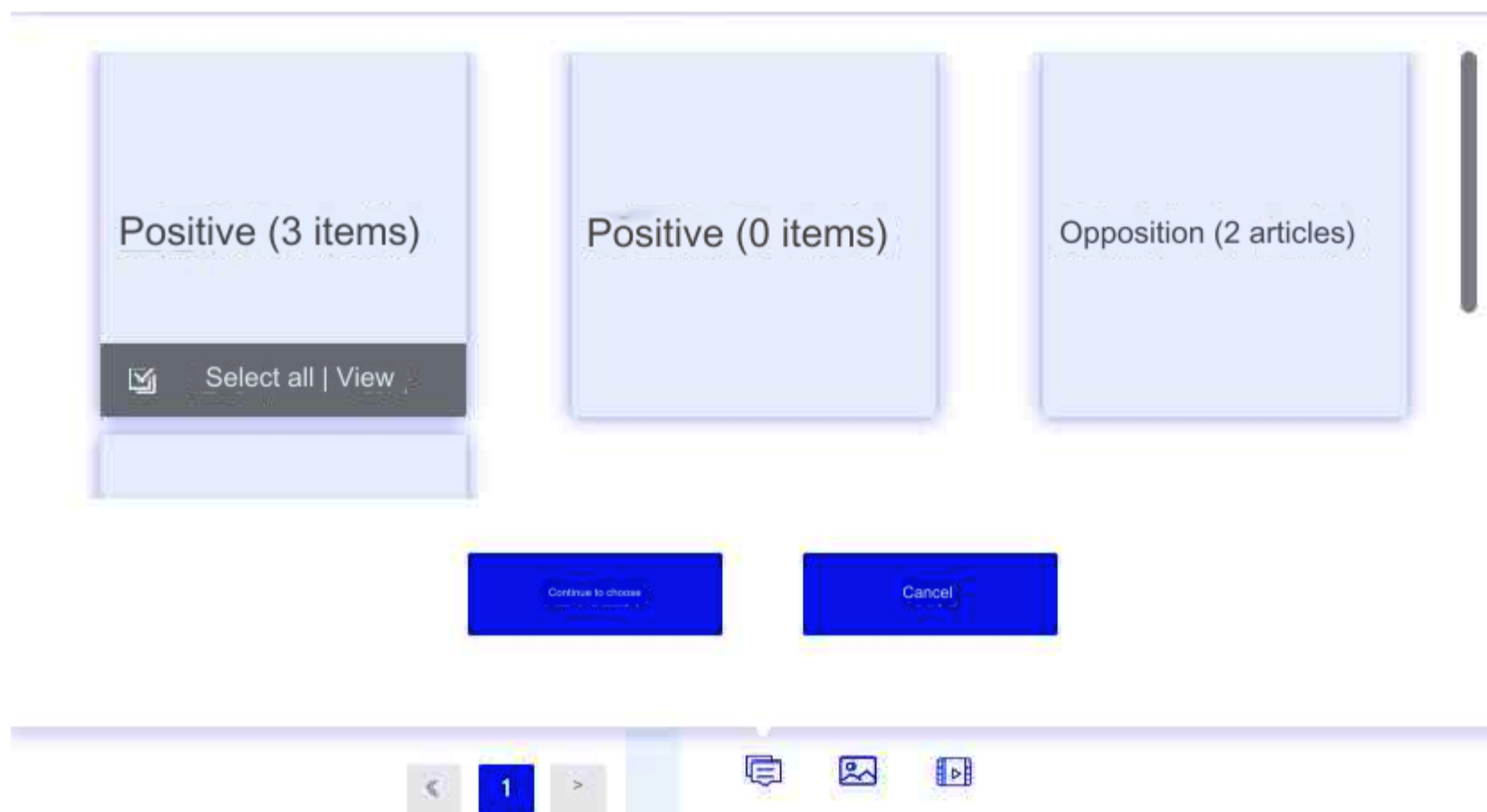
At the same time, the system supports adding edited materials when commenting and forwarding target tweets, as shown in the figure below:



(material selection)

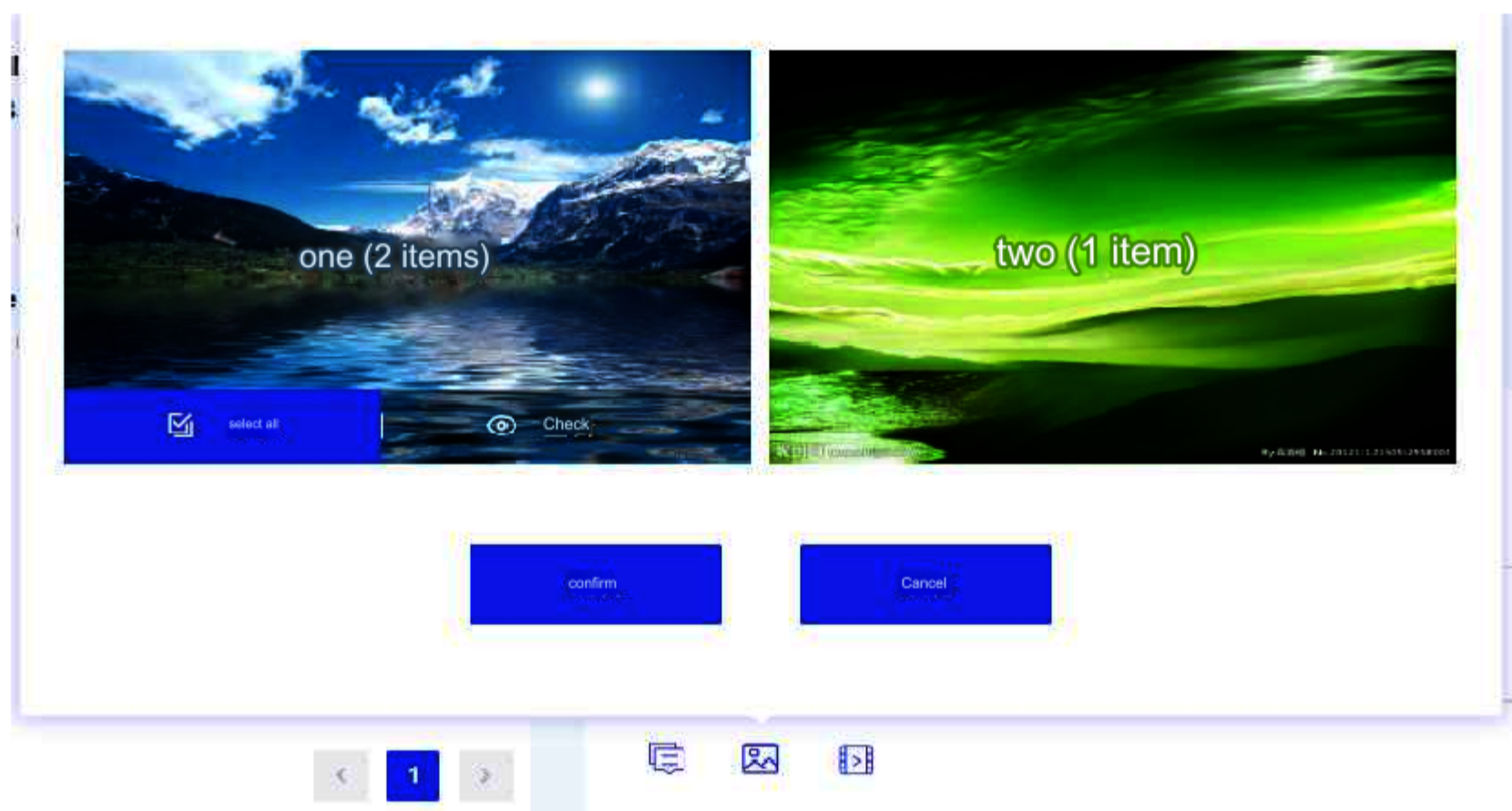
Click on the text material to view single selection or select all (all selected comments will be randomly assigned to comments from users who have successfully obtained evidence). After confirming,

click "Comment" or "Forward", and the comment or forwarding is successful, as shown in the figure below:



(Text material selection)

Click on the picture material, after confirmation, click "Comment" or "Forward", the comment or forwarding is successful, as shown in the figure below:



(Picture material)

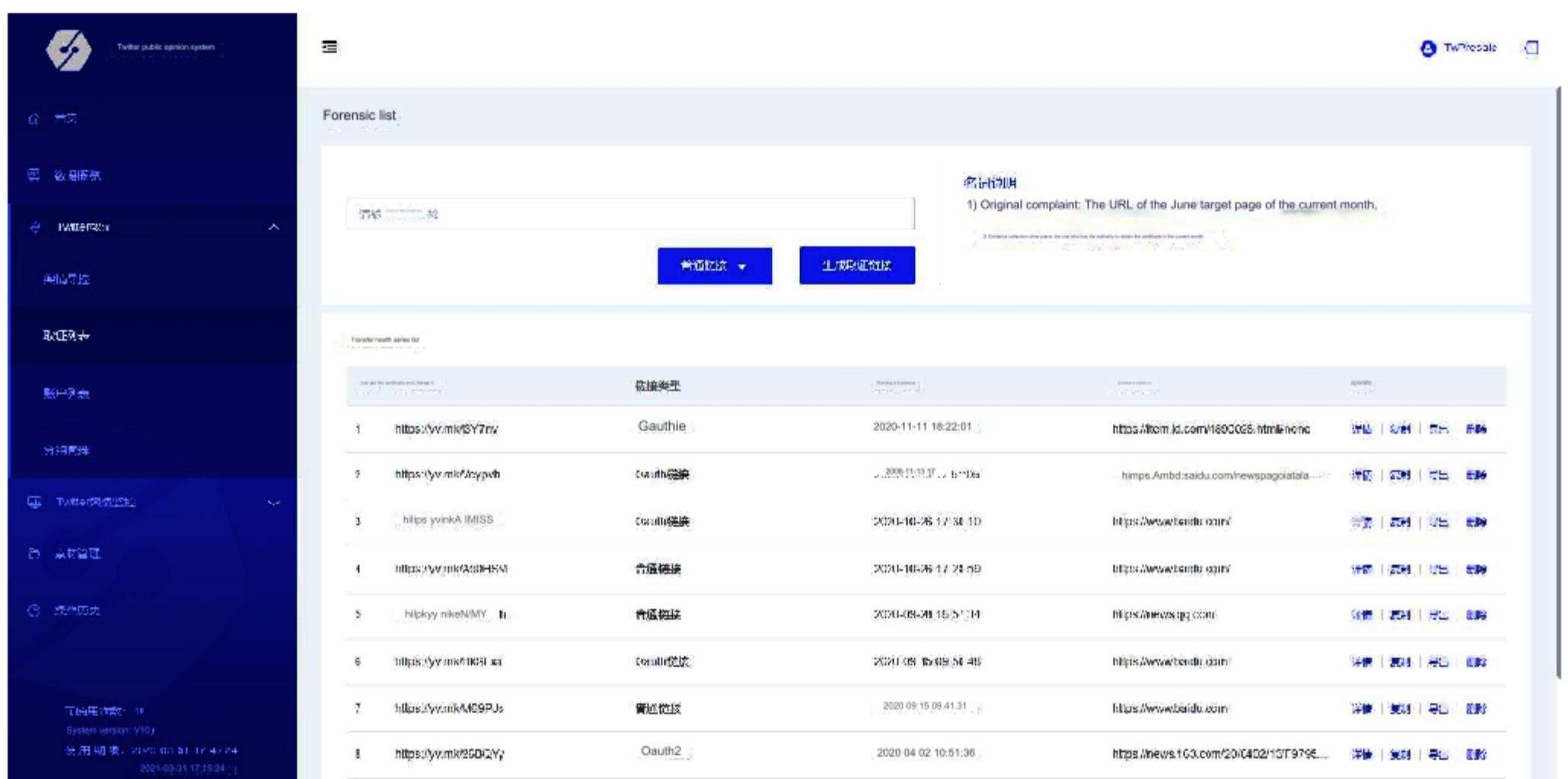
Click on the video material. After confirmation, click "Comment" or "Forward". The comment or forwarding is successful, as shown in the figure below:



(Video material)

4.3.2 Evidence collection list

Enter the forensic list, enter the original address in the original link box (the original link is the URL that jumps to the page that the forensic target is interested in after the target clicks on the forensic link), click "Select Link Type" (including ordinary links and OAuth links), and then Click "Generate evidence collection link" to view the generated evidence collection link in the evidence collection list. You can also view, copy, export and delete the evidence collection link in detail, as shown in the figure below:

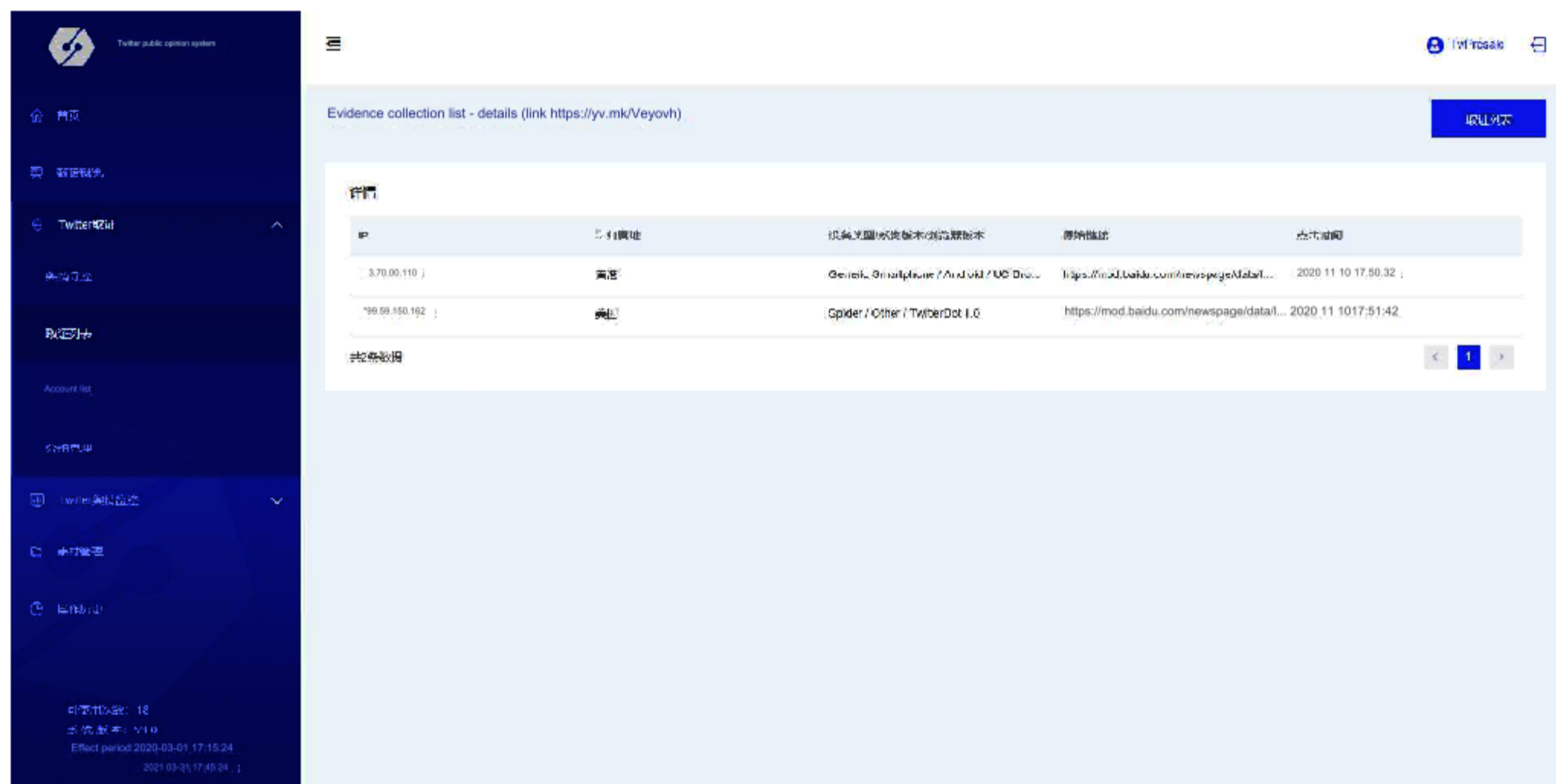


(evidence list)

After attaching the forensic link through social engineering and sending it to the target Twitter account, when the target clicks on the forensic link, click on

the corresponding forensic link details to view the IP, IP location, device type, and browser version of the target when they clicked on the forensic link. ,

the original link and click time of the system version facilitate further control of the target Twitter account, as shown in the figure below:



(Forensic link details)

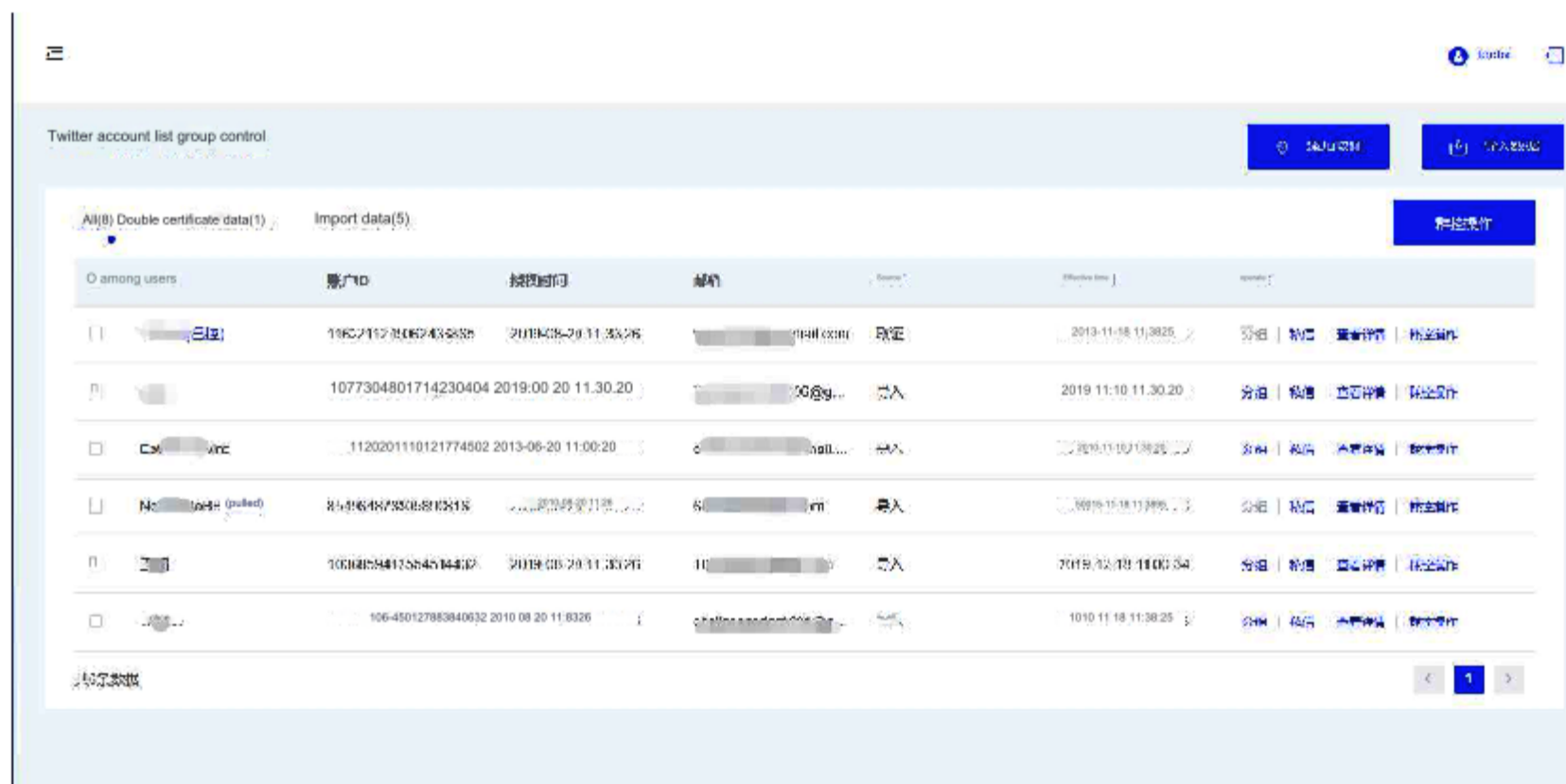
4.3.3 Account list

On the Twitter account list interface, the system supports viewing the forensic data and imported data quantity, and can select the target for group control operations such as retweeting,

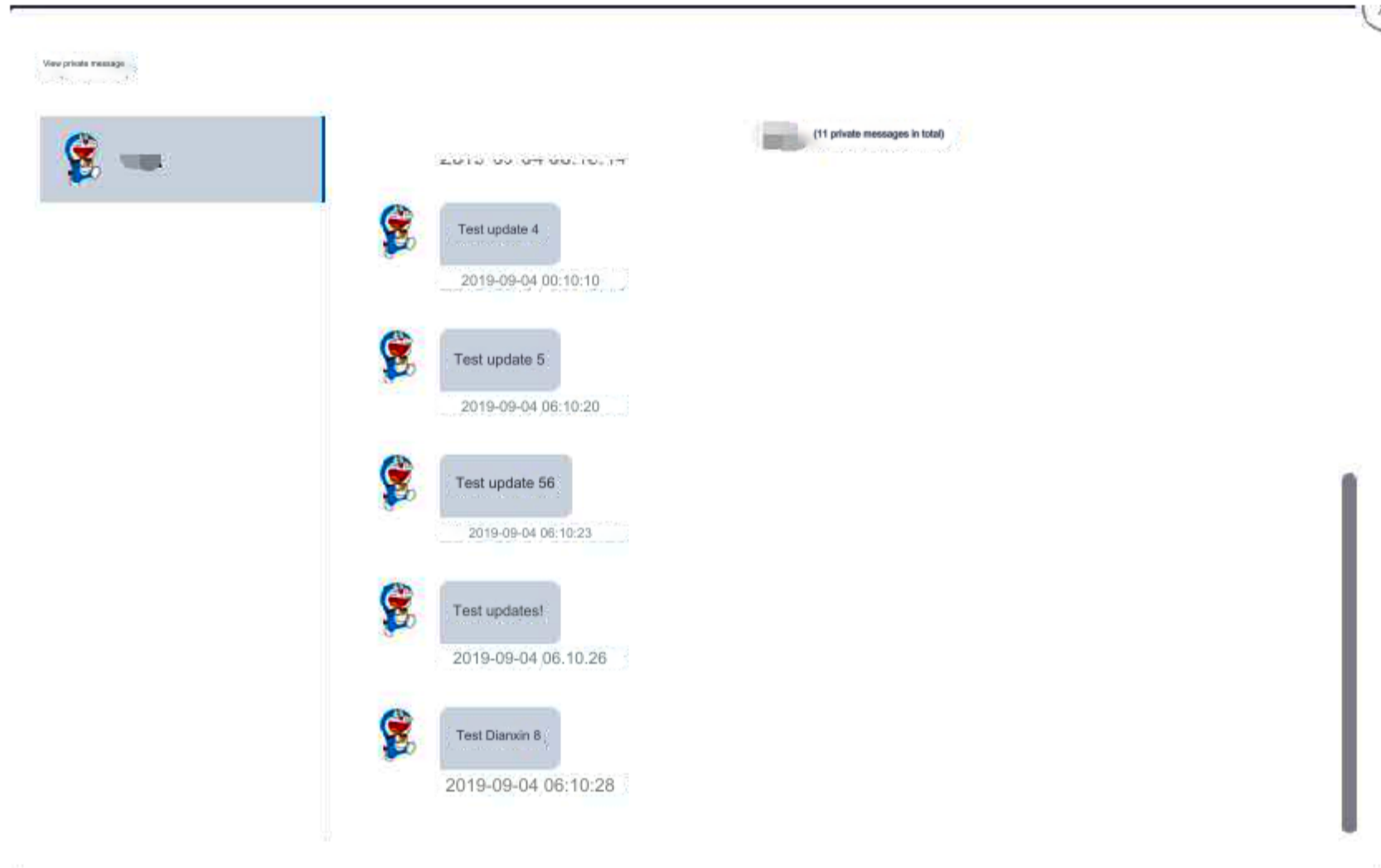
commenting, and liking. After successful forensics, the private message content of the target Twitter account in the past 30 days can be obtained for the first time, and After the

initial acquisition, the target's private message content will be obtained regularly every day. At the same time, the user name, account ID, authorization time, email address, source, expiration

time, etc. of the controlled account can be viewed, as shown in the figure below:

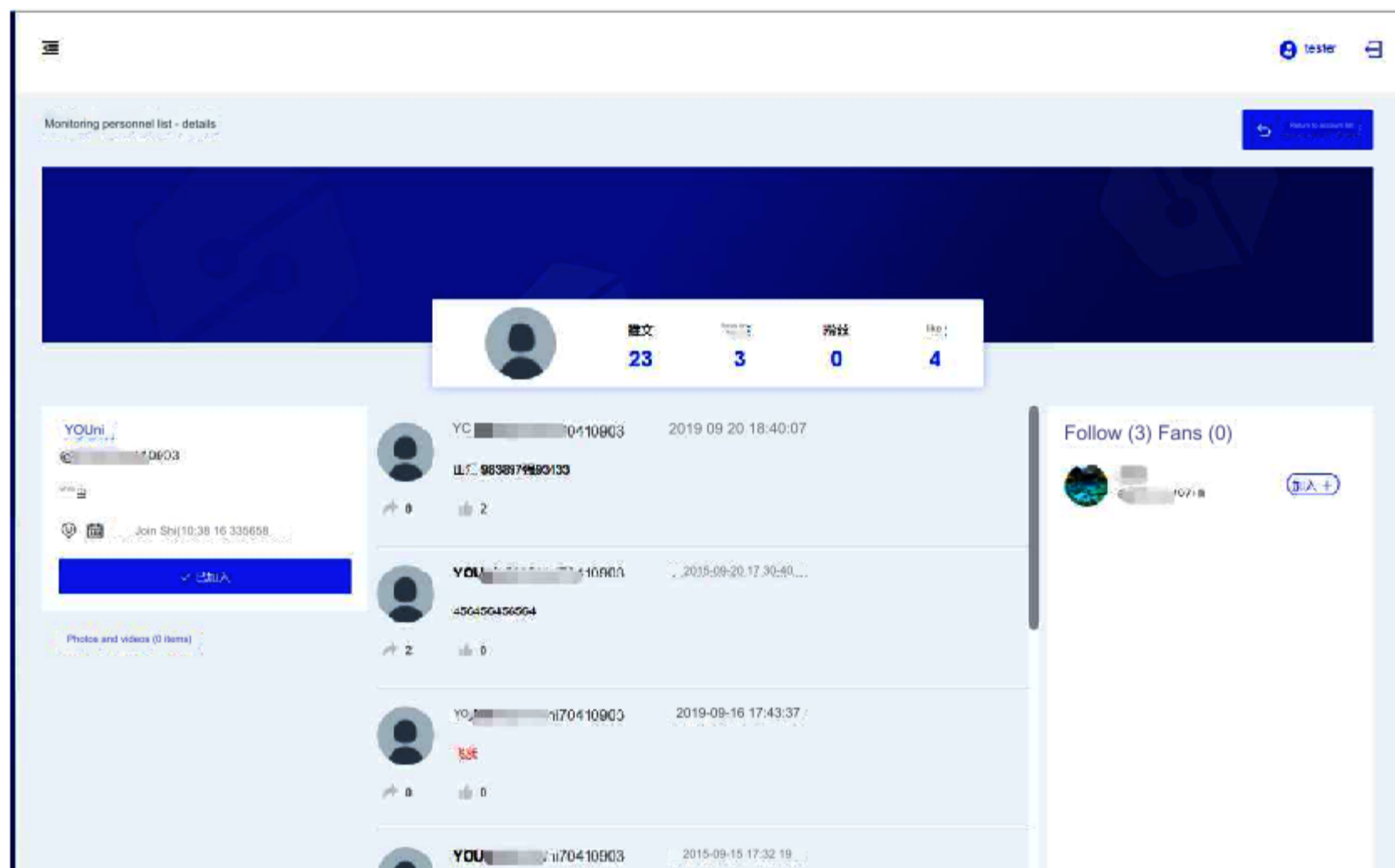


(account list)



(Get it via private message)

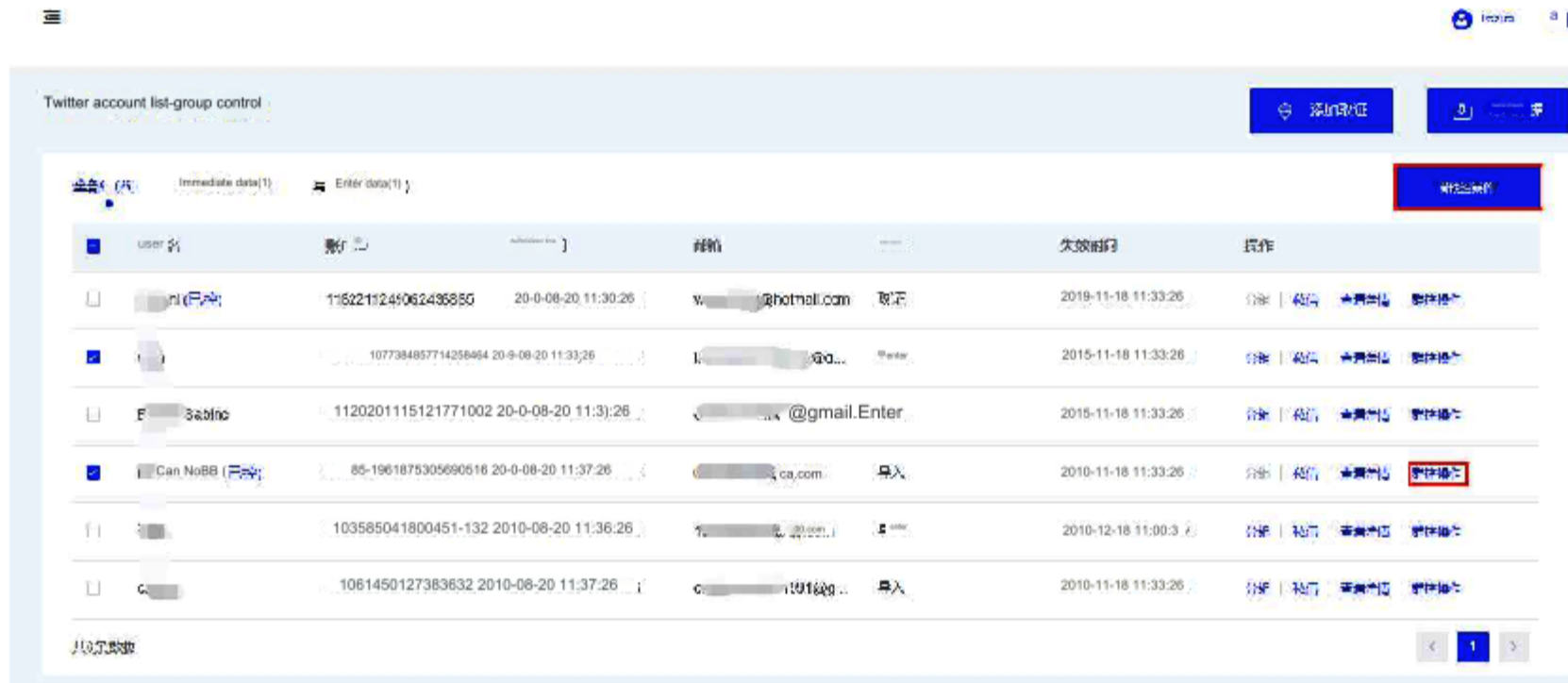
Click Details to view the tweet details of the target Twitter account, as shown below:



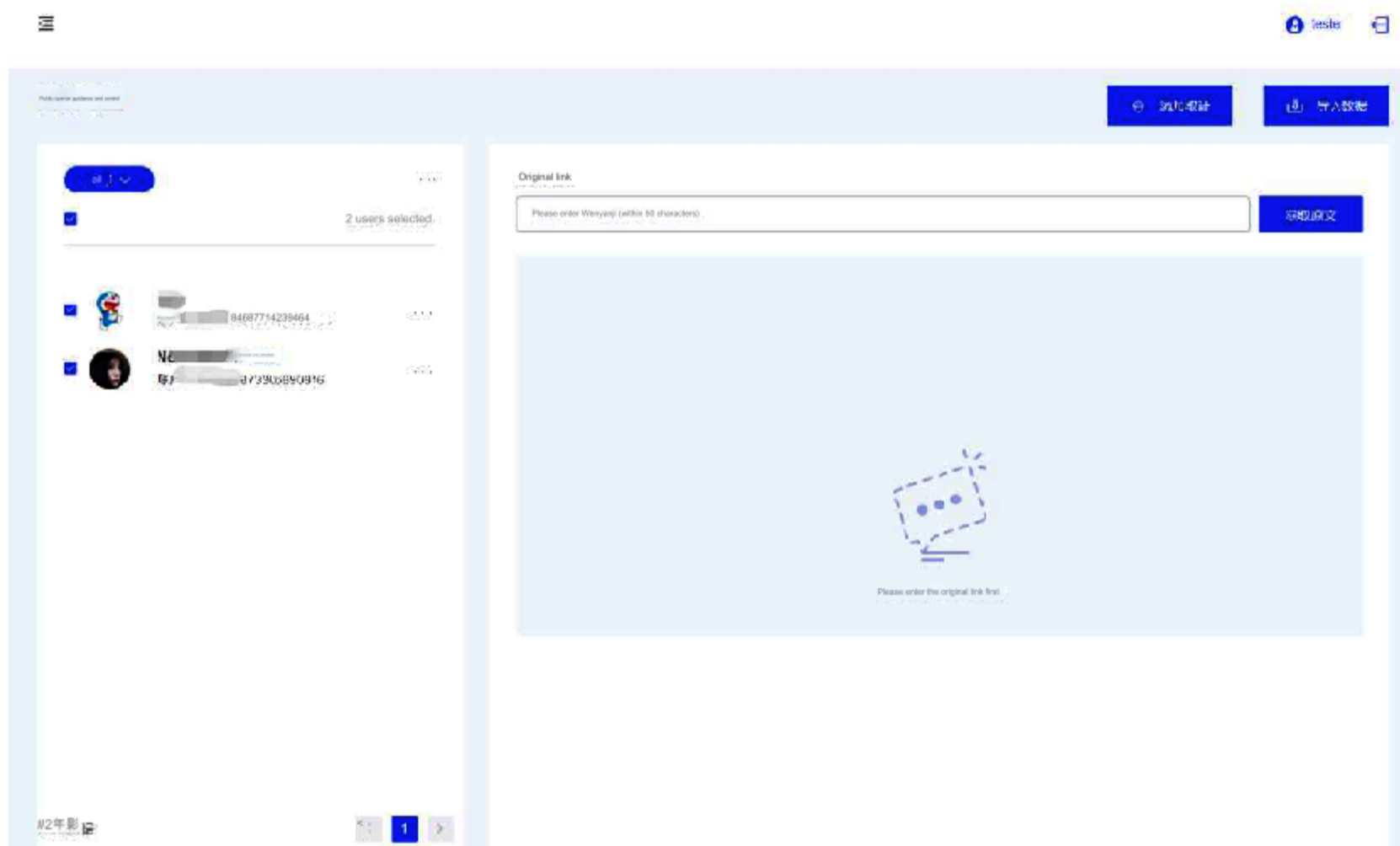
(View details of tweet)

Select multiple accounts on this page and click Group Control to jump directly to the public opinion guidance and control interface to perform group control operations on the selected

Twitter accounts, which greatly improves the efficiency of public opinion guidance and control for the target Twitter account, as shown in the figure below Show:



(Group control operation)

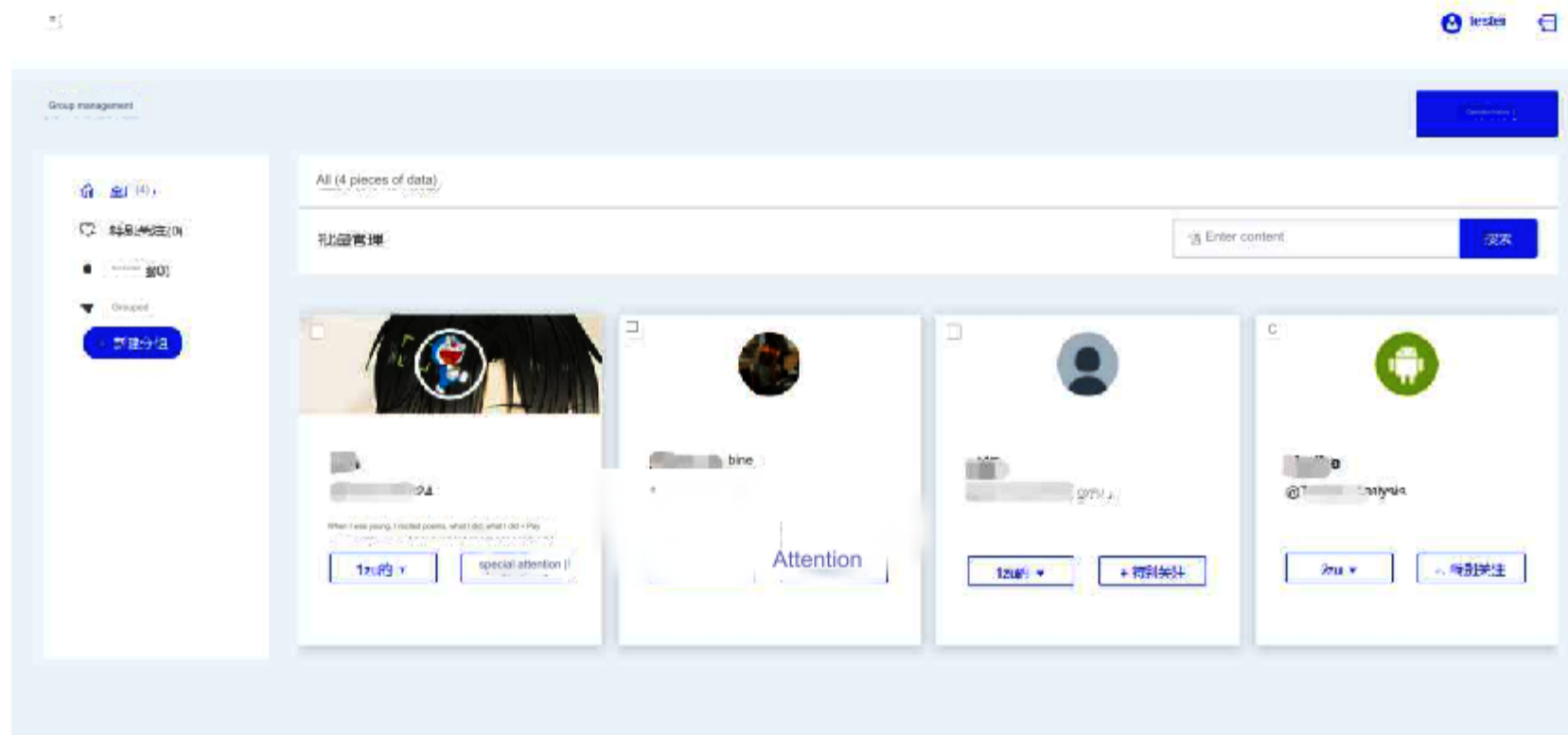


(Account group control)

4.3.4 Group management

The platform supports the grouping of Twitter accounts that have obtained permissions, which facilitates public opinion guidance and management of controlled Twitter

accounts and improves work efficiency. The group list includes special attention, ungrouped, grouped and new groups, as shown in the figure below:



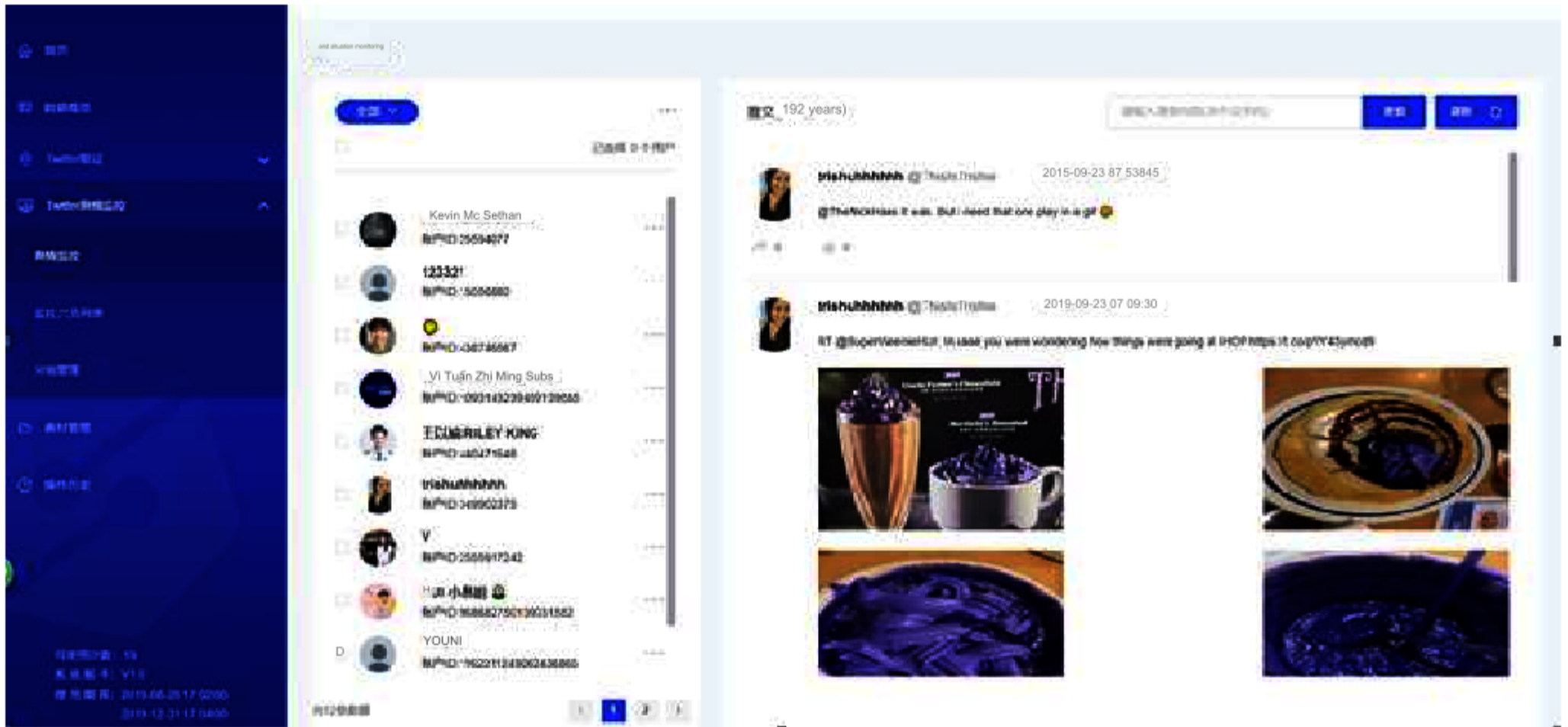
(Group management)

4.4 Twitter public opinion monitoring

Public opinion monitoring is mainly for key suspicious Twitter accounts. Users can directly add targets to the platform. The platform can automatically collect and analyze their public opinions, and can set keywords according to needs. Once the target's tweets trigger the keywords, the system will promptly remind users to respond accordingly.

4.4.1 Public opinion monitoring

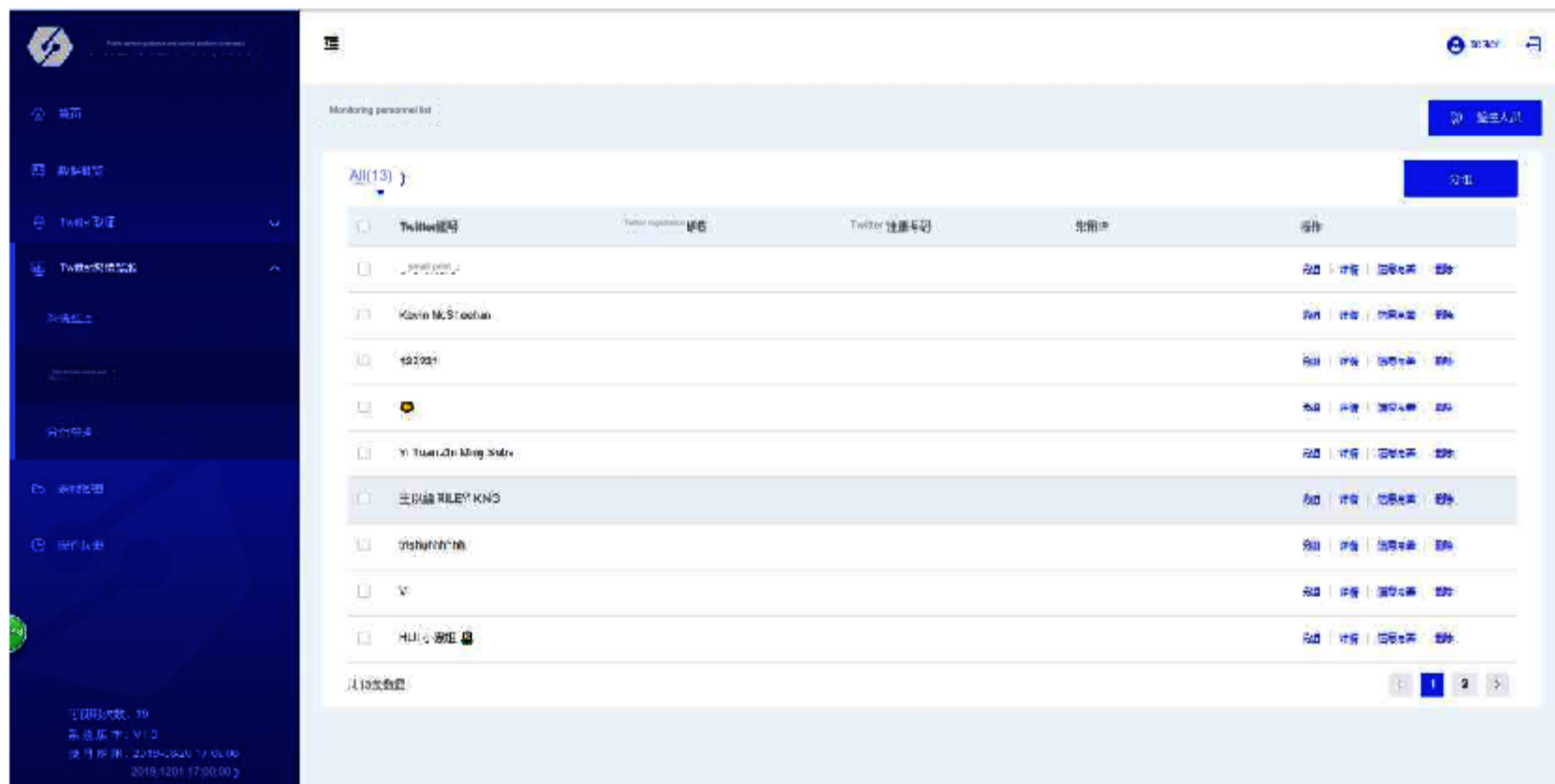
The platform can view the list of added monitors, and the tweet area on the right displays the user's latest 100 hours of tweets by default. At the same time, the platform supports multiple deletions and groupings of multiple monitoring personnel. Click on a single target account to view the tweets of the current account. It can be loaded in a single page. At the same time, keywords can be entered in the tweet area to view the controlled targets including key Retrieve the tweets with the word, click on the target, you can view the target's tweets, followings, and number of fans, and you can view and download pictures and videos related to the target Twitter account's tweets, and you can combine the target's fans and following users. The key is added to the monitoring target.



(Public opinion monitoring)

4.4.2 Monitoring personnel list

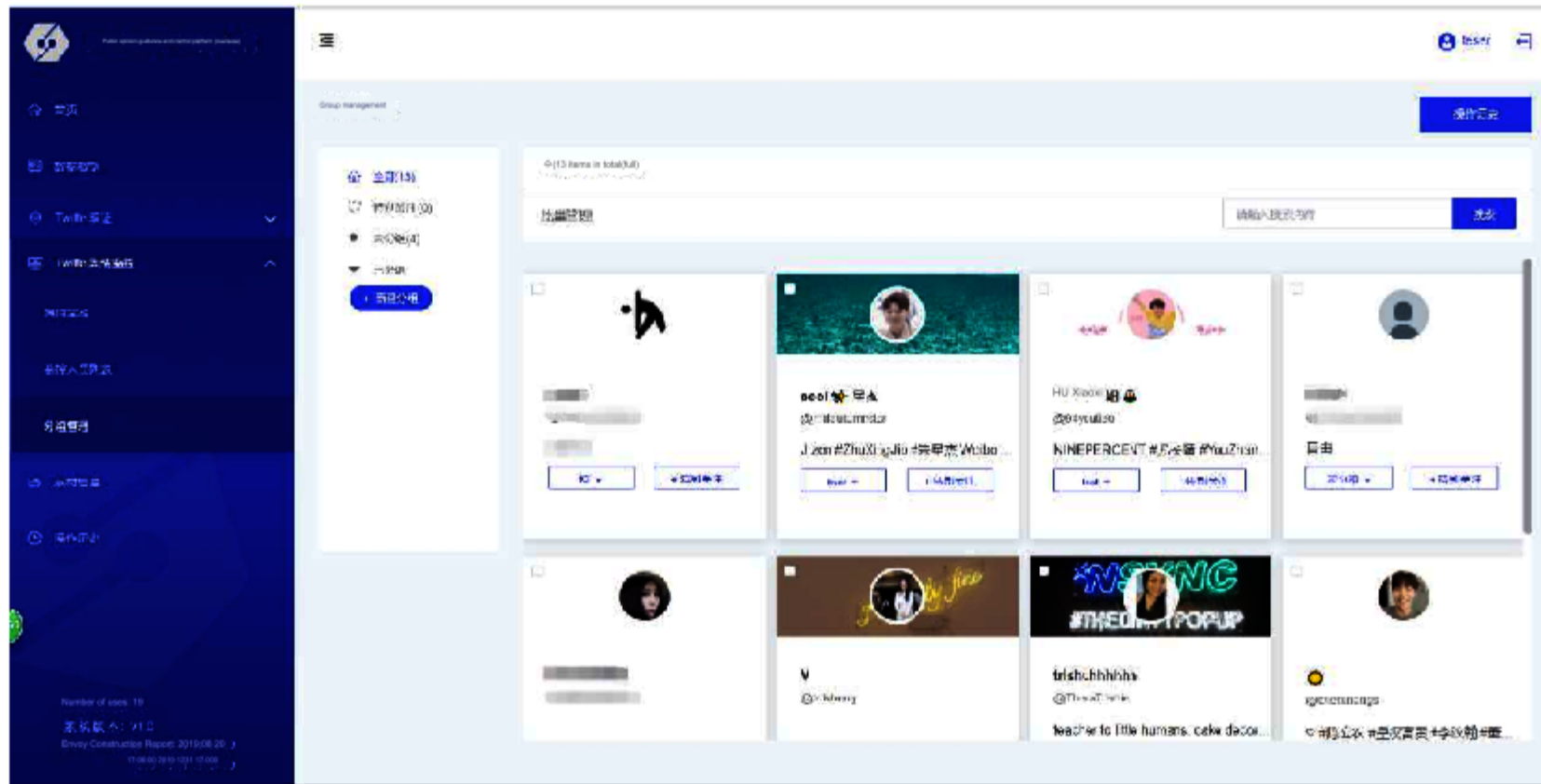
The platform supports viewing of monitored persons, and supports grouping, detailed viewing, information improvement and deletion. At the same time, through information improvement, Twitter registration email and registration number, common IP, etc. can be supplemented. After the supplement is completed, the target can be viewed in the list of monitored persons. Information related to the Twitter account.



(Monitoring personnel list)

4.4.3 Group management

The platform supports grouping and viewing of monitoring targets, and unified grouping and management of monitoring personnel.

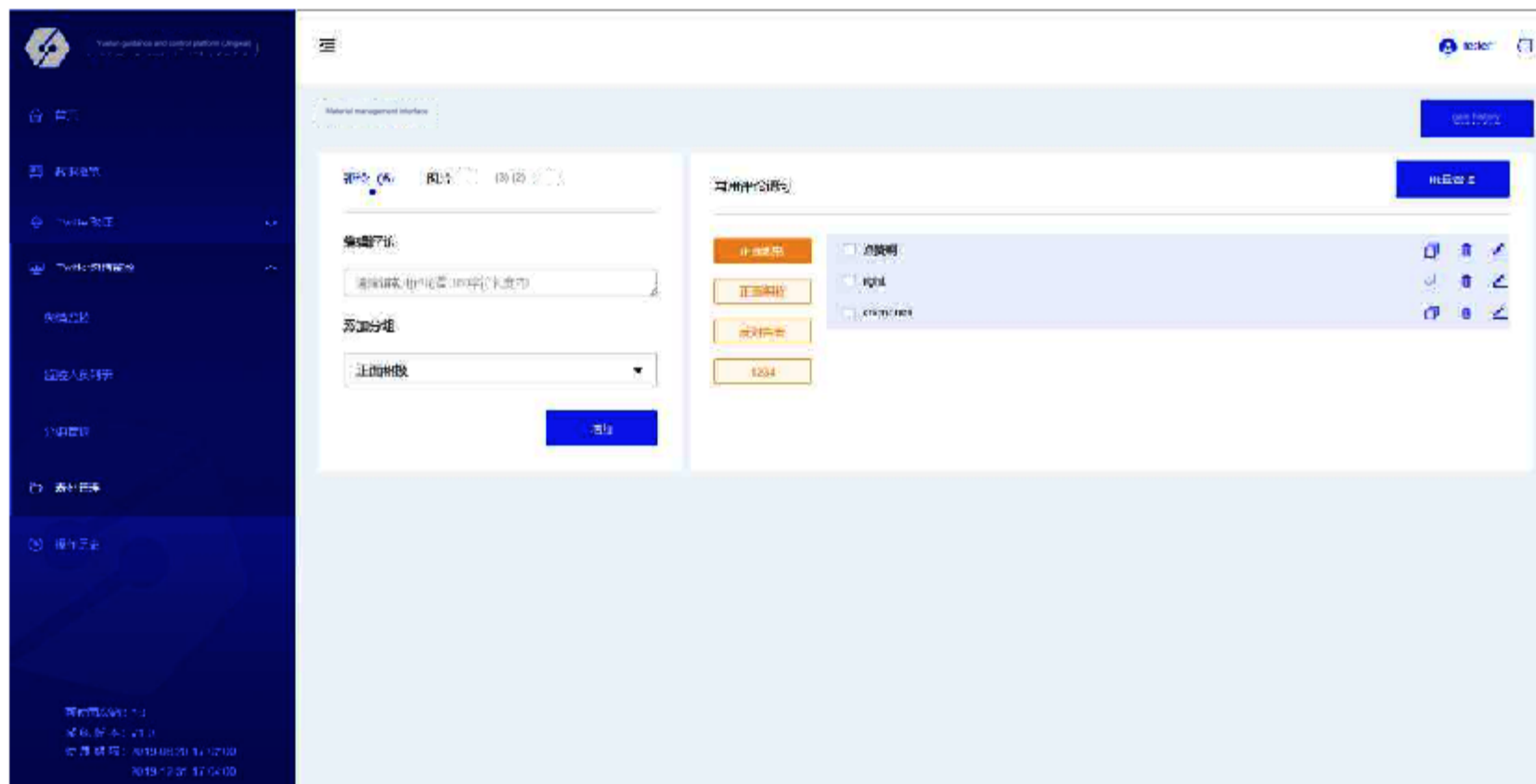


(Group management)

4.5 Material management

The system supports batch addition, comment editing, adding materials in groups, and can modify and delete the added material content. Material management provides text,

pictures, and videos for public opinion guidance and control, making it convenient for comments and forwarding operations.

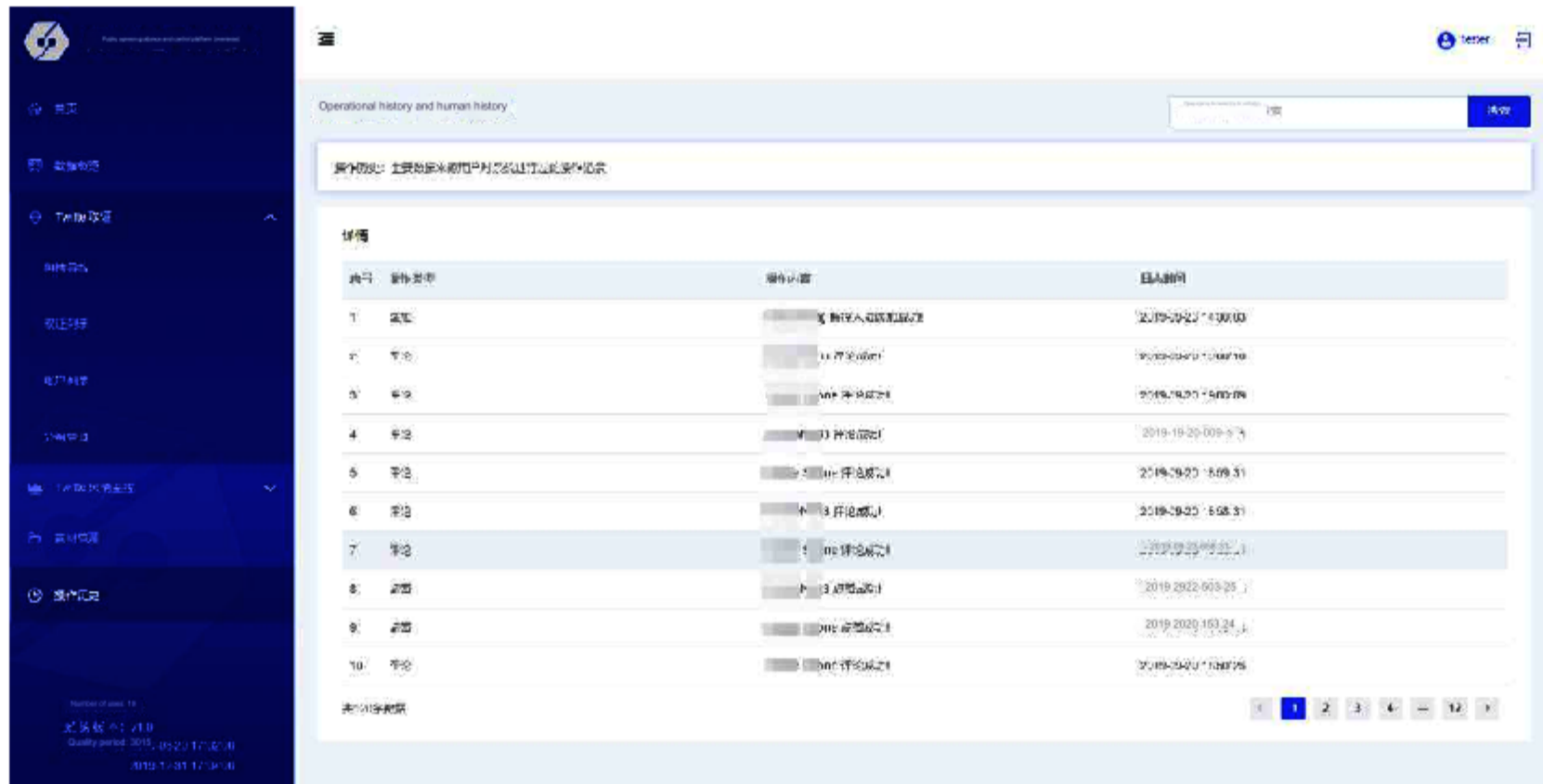


(material management)

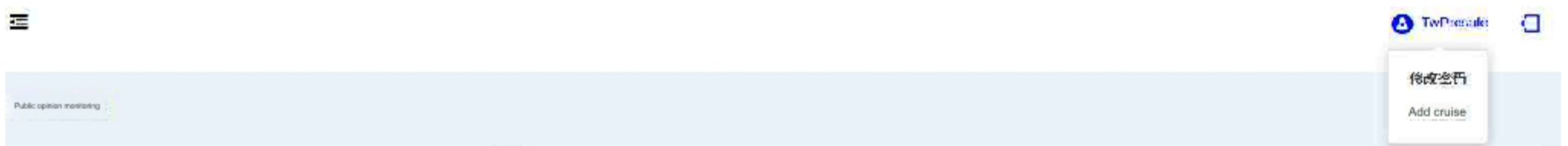
4.6 Operation history

The platform supports viewing the operation history list and import history list. The operation history list includes operation type, operation content, and log

time. The import history list includes the imported file name, import status, and import time. It also supports changing login passwords and adding email addresses.



(operation history)



(Change password and add email address)

5 product parameters

Parameter category	Parameter index
Forensic link	Supports generating valid forensic links against original network links
Link loading	Supports clicking on the forensic link, the page can jump to the original web page that generated the forensic link, or the page can jump to the real login screen for that Twitter account
Second verification	Supports bypassing Twitter's two-step verification mechanism. Targets will not receive any security alerts after clicking on the evidence collection link.
Incognito access	Supports invisible acquisition of target Twitter private messages and other data
Login log	After successful evidence collection, the target account will not have a login log.
Platform compatibility	Compatible with chrome, IE, Firefox and other mainstream browsers
Account environment	Supports web version, android client and iOS client

6 Product Deployment

6.1 Applicable environment

The Twitter public opinion guidance and control system is suitable for combat scenarios such as network special investigation departments carrying out public opinion monitoring and guidance

on overseas Twitter targets. The platform extracts target Twitter value information to achieve efficient management and supervision of Twitter public opinion control. The platform is based

on SaaS cloud service, and users only need to log in to the platform through an authorized account to use it.

6.2 Deployment method

The Twitter public opinion guidance and control system has a B/S architecture. In order to ensure the security, stability, reliability and effective use of the entire platform,

users need to deploy the platform's client suite on an overseas VPS. After the deployment is completed, the local client can log in through an authorized account, and use. The

VPS server and local client parameter requirements are as follows:

Configuration Environment	Environmental parameters
Server configuration requirements	CPU: Dual core
	Memory: no less than 4GB
	Hard drive: no less than 100GB
	Network bandwidth: no less than 2Mbps
	Rent overseas cloud host to build

7 product advantages

> Large amount of data

The system currently runs no less than 100 million pieces of raw data every day, and supports real-time updates of available data every day; based on the submitted target information, query results are

returned in 3-5 minutes; the query data is comprehensive, including registered email addresses, hand numbers, and frequently used Landing places, etc., are conducive to the immediate detection of bad

public opinion, illegal public opinion, rumor-mongering public opinion, etc., and improve the public opinion emergency response capabilities of government departments.

> Efficient crawler technology

The Twitter public opinion guidance and control system supports public opinion monitoring of target accounts and uses distributed crawler technology to monitor target Twitter accounts.

The account is crawled every 5-10 minutes and supports real-time alarms for keywords. It has further improved its public opinion monitoring capabilities and improved the network

investigation department's public opinion management methods for overseas Twitter platforms, effectively safeguarding the country's image and promoting the healthy development of rational

online public opinion.

> Precise countermeasures

Through the forensic link, the backend system can quickly log in to the target's Twitter account to conduct public opinion guidance and control operations without requiring the target's

account password, thus reducing the target's vigilance and defense. After obtaining the target's permissions, it can take over the permissions of the target account and comprehensively control the

comments posted on Twitter. Through public opinion guidance and control of its Twitter account, it can realize the comprehensive

Twitter management and supervision function of r

public opinion and effectively stop the spread of illegal public opinion, and dissemination.

> Exclusive technology

The platform has been comprehensively developed and designed based on years of research on Twitter's security mechanism. It can directly bypass secondary verification such as login IP and

mobile phone verification code, without the target actively sensing the entire process, and obtain the target's personal data.