

Product Launch Guide

Part 1: Deployment Guide

Note: All deployment actions should be executed using the admin user.

```
# Command to use admin user:  
su admin
```

Middleware Components

Component	Version	Location
MySQL	5.7.23	/data01/td/infra/mysql5.7
ApexDB	3.*	/data01/td/infra/ApexDB
Kafka	1.1.0	/data01/td/infra/kafka_2.12-1.1.0
Zookeeper	3.4.14	/data01/td/infra/zookeeper-3.4.14
Nacos	2.2.3	/data01/td/infra/nacos
Elasticsearch	7.10.2	/data01/td/infra/elasticsearch-7.10.2/bin

1.1 MySQL

1.1.1 Start/Stop Commands

```
# Start MySQL (can be used from any location)  
sudo service mysqld start  
  
# Restart  
sudo service mysqld restart  
  
# Stop  
sudo service mysqld stop
```

1.1.2 Verification

```
# Check status  
sudo service mysqld status  
  
SUCCESS! MySQL running (18601)
```

1.2 Zookeeper

1.2.1 Start/Stop Commands

```
# Enter the corresponding directory  
cd /data01/td/infra/zookeeper-3.4.14/bin  
  
# Start service  
./zkServer.sh start  
  
# Status check  
./zkServer.sh status  
  
# Stop service
```

```
./zkServer.sh stop
```

1.2.2 Verification

```
# Enter the corresponding directory
cd /data01/td/infra/zookeeper-3.4.14/bin
```

```
./zkServer.sh status
```

```
Mode: standalone
```

1.3 Kafka

1.3.1 Start/Stop Commands

```
# Enter the corresponding directory (note the location)
cd /data01/td/infra/kafka_2.12-1.1.0
```

```
# Start
```

```
bin/kafka-server-start.sh -daemon config/server.properties
```

```
# Stop: Use ps -ef|grep kafka to find the process then kill
```

1.3.2 Verification

```
# Send message
```

```
bin/kafka-console-producer.sh --topic test --broker-list 127.0.0.1:9092
```

```
>hello
```

```
>123
```

```
# Consume message [open a new terminal window]
```

```
bin/kafka-console-consumer.sh --topic test --from-beginning --bootstrap-server
127.0.0.1:9092
```

1.4 Elasticsearch

1.4.1 Start/Stop Commands

```
# Enter the corresponding directory
cd /data01/td/infra/elasticsearch-7.10.2/bin
```

```
# Start
```

```
./elasticsearch -d
```

```
# Stop: Use ps -ef|grep elasticsearch to find the process then kill
```

1.4.2 Verification

```
# Access via curl or browser
```

```
curl http://127.0.0.1:9200/_cat/health?v
```

1.5 ApexDB

1.5.1 Start/Stop Commands

```
# After installation, ApexDB exists as a Systemd Service
```

```
# Start service
```

```
sudo service apexdb start
```

```
# Check service status
```

```
sudo service apexdb status
```

```
# View service logs
sudo journalctl -u apexdb | tail

# Stop service
sudo service apexdb stop
```

1.5.2 Verification

```
sudo service apexdb status
```

1.6 Nacos

1.6.1 Start/Stop Commands

```
# Enter directory
cd /data01/td/infra/nacos/bin

# Start
sh startup.sh -m standalone

# Stop: Use ps -ef|grep nacos to find the process then kill
```

1.6.2 Verification

Browser access: <http://<ip>:8848/nacos>

Applications

Application	Location	Description
bifrost	/data01/td/tiance/apps/bifrost	Unified Login Platform
salaxy	/data01/td/tiance/apps/salaxy	Galaxy Platform
tiangong-admin	/data01/td/tiance/apps/tiangong-admin	Real-time Metric Calculation
tiangong-api	/data01/td/tiance/apps/tiangong-api	Enterprise Decision Management Platform
kratos-consumer	/data01/td/tiance/apps/consumer	Message Consumer
td-job	/data01/td/tiance/apps/td-job	

2.0 Td-Job

2.0.1 Start/Stop Commands

```
# Enter directory
cd /data01/td/tiance/apps/tdjob

# Start
sh spring-boot-1g.sh start td-job-admin.jar

# Stop
sh spring-boot-1g.sh stop td-job-admin.jar
```

2.0.2 Verification

After starting, wait 1-2 minutes, then enter in browser:

```
http://${IP}:8011/tdjob/toLogin  
# Login username/password: admin/123456
```

2.1 bifrost

2.1.1 Start/Stop Commands

```
# Enter directory  
cd /data01/td/tiance/apps/bifrost  
  
# Start  
sh spring-boot-lg.sh start bifrost.jar  
  
# Stop  
sh spring-boot-lg.sh stop bifrost.jar
```

2.1.2 Verification

```
# After starting, wait 1-2 minutes, then enter in browser:  
http://${IP}:8088/api/ok.htm
```

2.2 salaxy

2.2.1 Start/Stop Commands

```
# Enter directory  
cd /data01/td/tiance/apps/salaxy  
  
# Start  
sh spring-boot-lg.sh start salaxy.jar  
  
# Stop  
sh spring-boot-lg.sh stop salaxy.jar
```

2.2.2 Verification

```
# After starting, wait 1-2 minutes, then enter in browser:  
http://${IP}:8188/api/ok.htm
```

2.3 tiangong-admin

2.3.1 Start/Stop Commands

```
# Enter directory  
cd /data01/td/tiance/apps/tiangong-admin  
  
# Start  
sh spring-boot-lg.sh start tiangong-admin.jar  
  
# Stop  
sh spring-boot-lg.sh stop tiangong-admin.jar
```

2.3.2 Verification

```
# After starting, wait 3-4 minutes, then enter in browser:  
http://${IP}:8288/api/ok.htm
```

2.4 tiangong-api

2.4.1 Start/Stop Commands

```
# Enter directory  
cd /data01/td/tiance/apps/tiangong-api
```

```
# Start
sh spring-boot-lg.sh start tiangong-api.jar

# Stop
sh spring-boot-lg.sh stop tiangong-api.jar
```

2.4.2 Verification

```
# After starting, wait about 3 minutes, then enter in browser:
http://{IP}:8388/api/ok
```

2.5 Kratos-Consumer

2.5.1 Start/Stop Commands

```
# Enter directory
cd /data01/td/tiance/apps/consumer

# Start
sh spring-boot-lg.sh start kratos-consumer.jar

# Stop
sh spring-boot-lg.sh stop kratos-consumer.jar
```

2.5.2 Verification

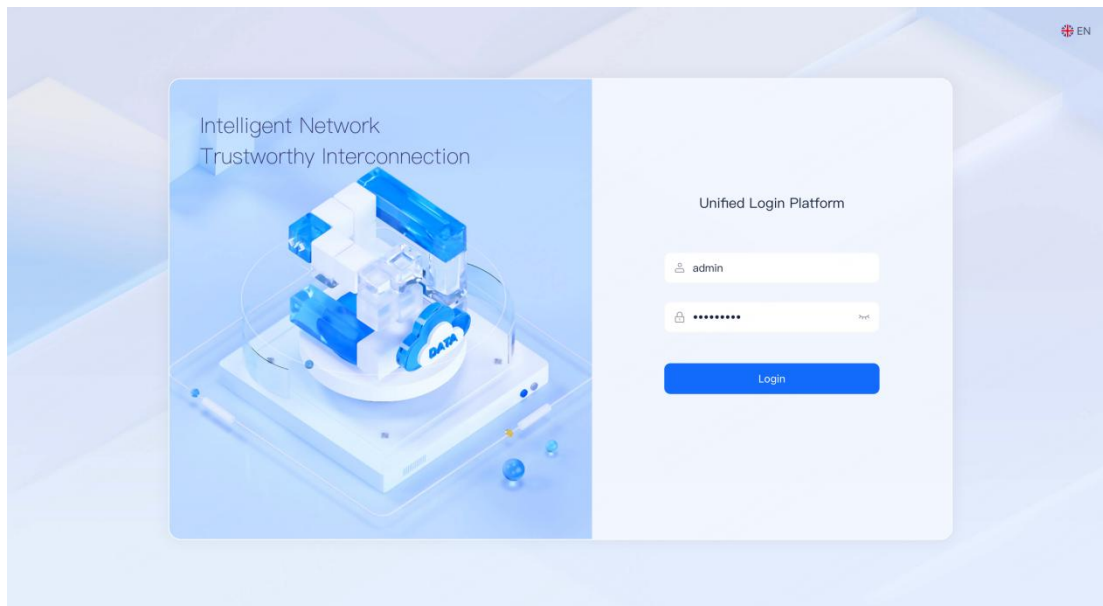
```
# After starting, wait about 2 minutes, then enter in browser:
http://{IP}:8488/api/ok
```

Quick Start Guide

Part 2: User Guide

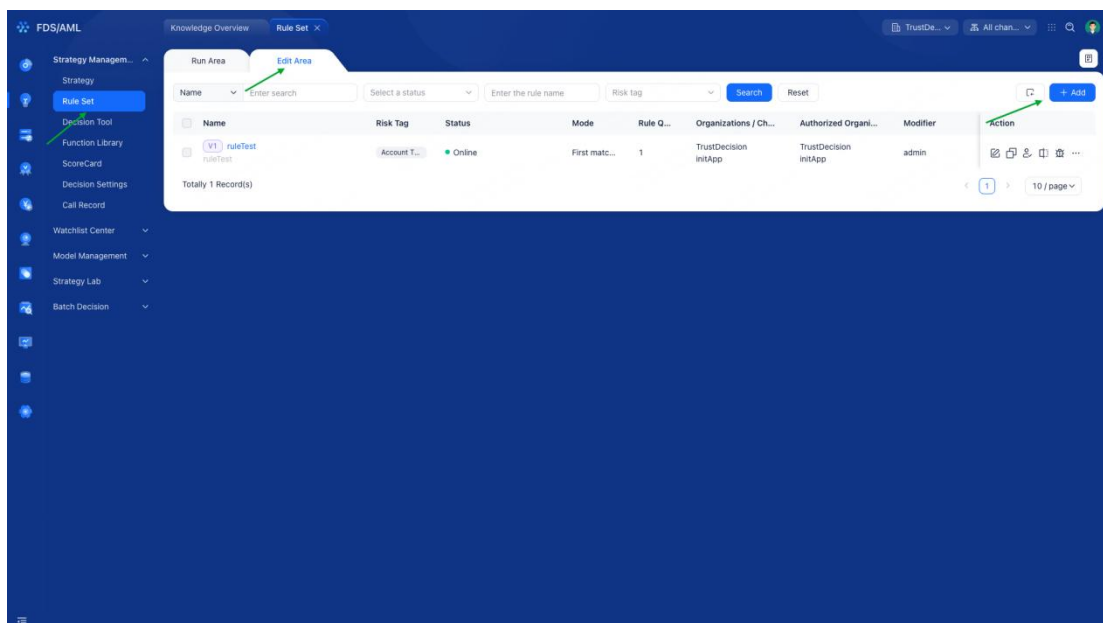
1. Login

Log in to the FDS system using <http://XXX:8080/user/login> (Account: admin, Password: Td@123456), where XXX should be replaced with the public IP or domain name of the actual instance.



2. Create RuleSet

Go to the Decision Center - Rule Set page, click the Edit Area and add a new Ruleset with the following rule configurations:



FDS/AML

Knowledge Overview

Rule Set

Strategy Management...

Strategy

Rule Set

Decision Tool

Function Library

ScoreCard

Decision Settings

Call Record

Watchlist Center

Model Management

Strategy Lab

Batch Decision

Run Area

Edit Area

Name

Enter search

Select a status

Enter the rule name

Risk tag

Name	Risk Tag	Status	Mode	Rule Q...
V1 ruleTest ruleTest	Account T...	Online	First matc...	1

Totally 1 Record(s)

Add

Organization:

TrustDecision

Channel:

intApp

Name

RULESETTEST

Identification:

rulesettest

Risk Tag:

Account Theft

Execution Mode:

First matching

Description

Enter a rule set description

Cancel

OK

FDS/AML

Knowledge Overview

Rule Set

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Run Area

Edit Area

Name

Enter search

Select a status

Enter the rule name

Risk tag

Search

Reset

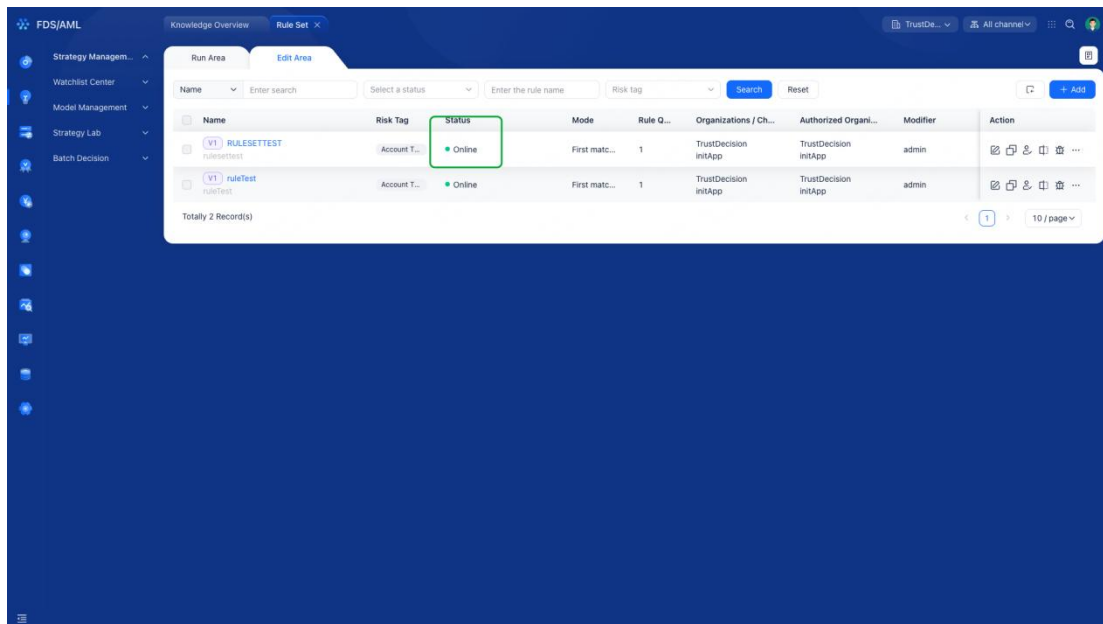
+ Add

Name	Risk Tag	Status	Mode	Rule Q...	Organizations / Ch...	Authorized Organi...	Modifier	Action
V1 RULESETTEST ruleTest	Account T...	Pending submission	First matc...	0	TrustDecision intApp	TrustDecision intApp	admin	
V1 ruleTest ruleTest	Account T...	Online	First matc...	1	TrustDecision intApp	TrustDecision intApp	admin	

Totally 2 Record(s)

1

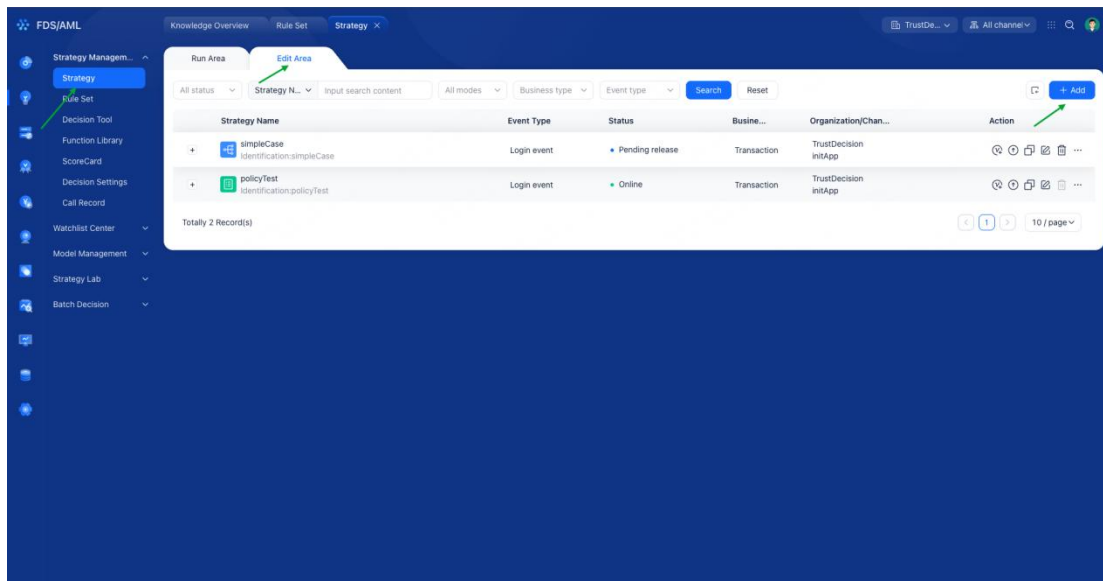
10 / page

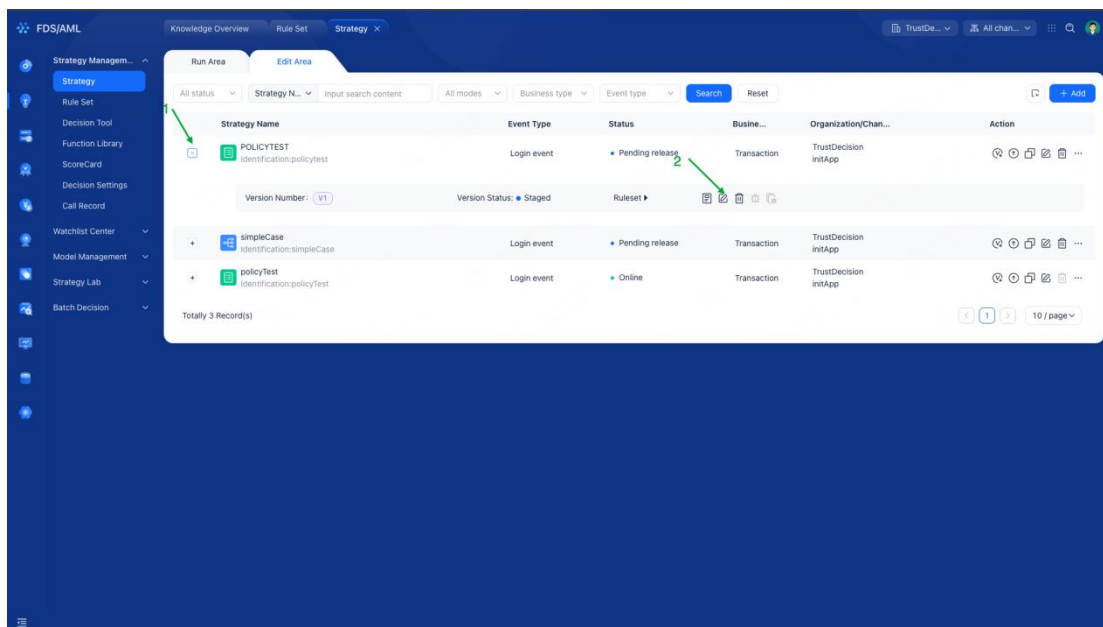
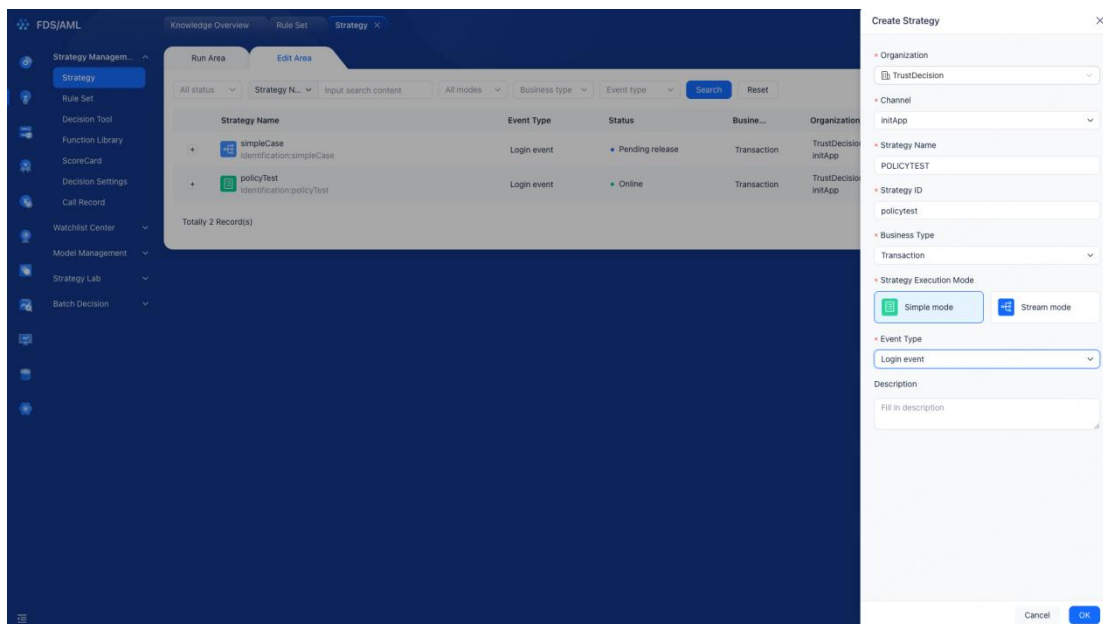


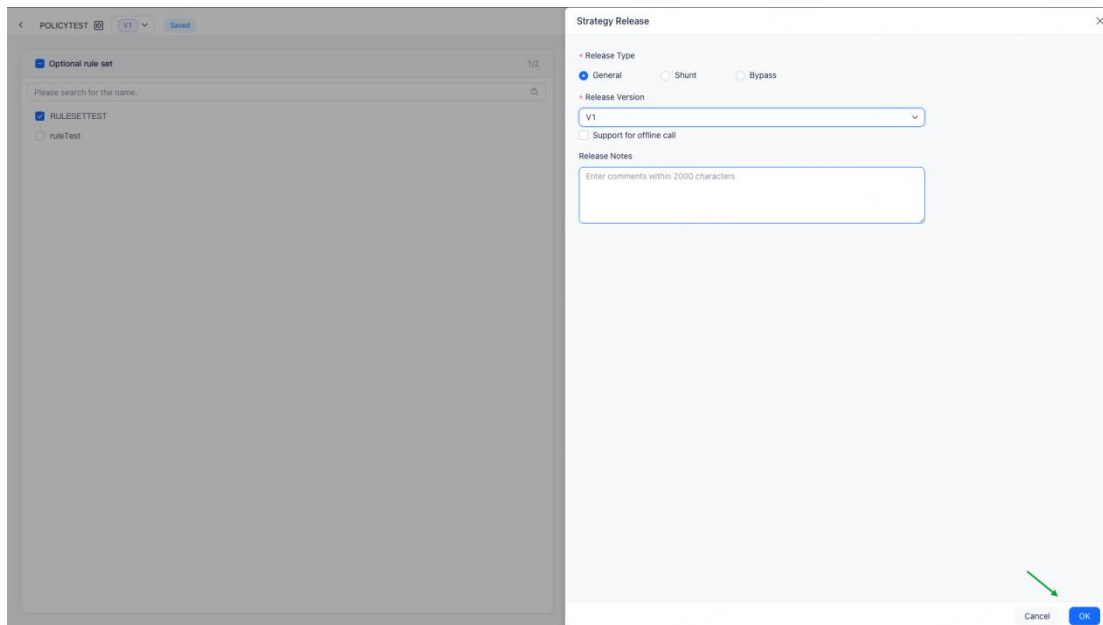
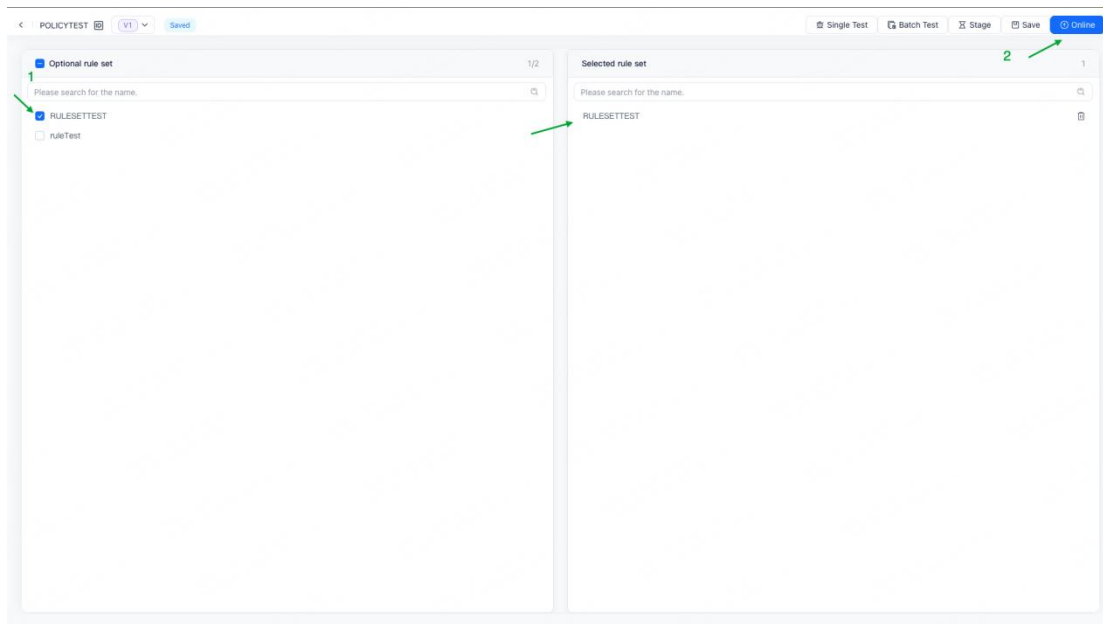
4. Create & Publish Strategy

Navigate to the Decision Center - Strategy page, go to the Edit Area, and create a new Strategy that includes the previously configured Ruleset. The specific configurations are as follows:

After completing the Strategy configuration, click "Go Online" to ensure the previously configured Strategy is displayed in the Run Area.

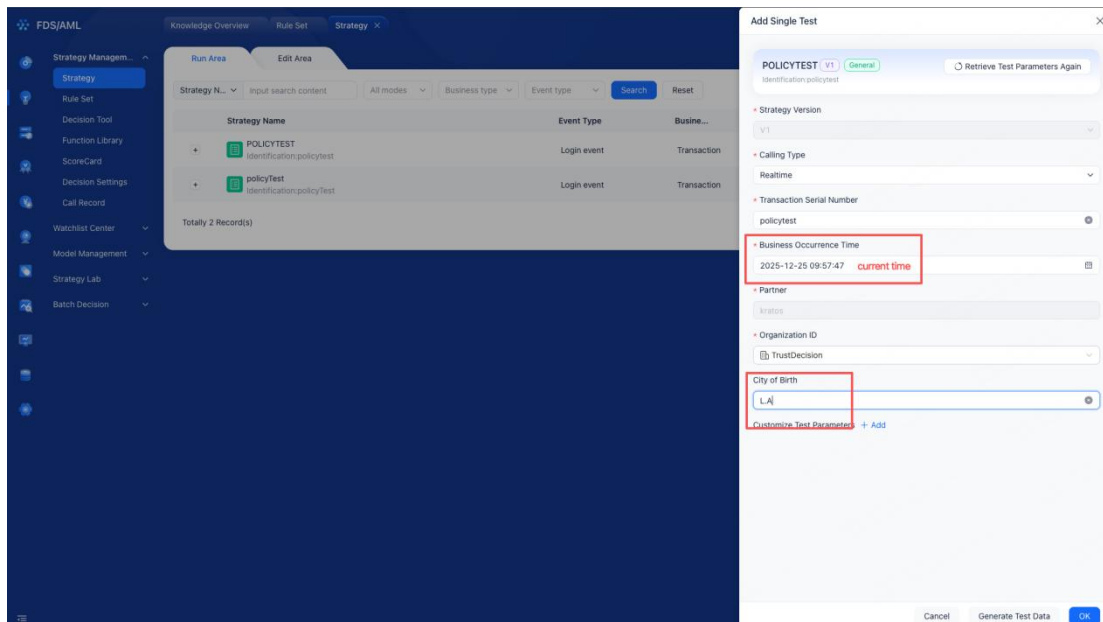
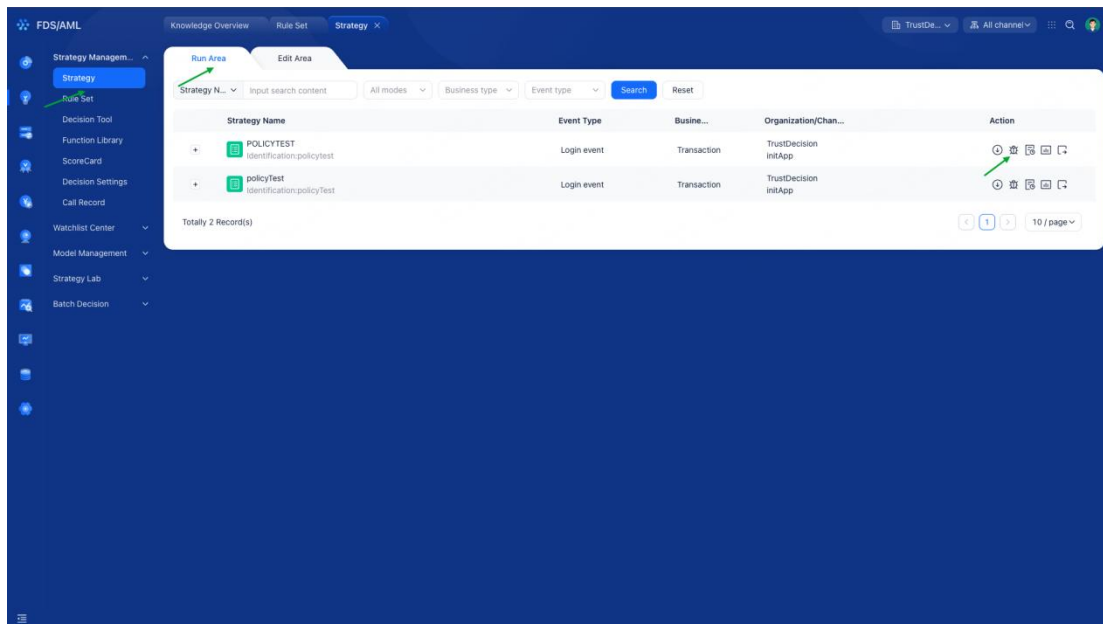


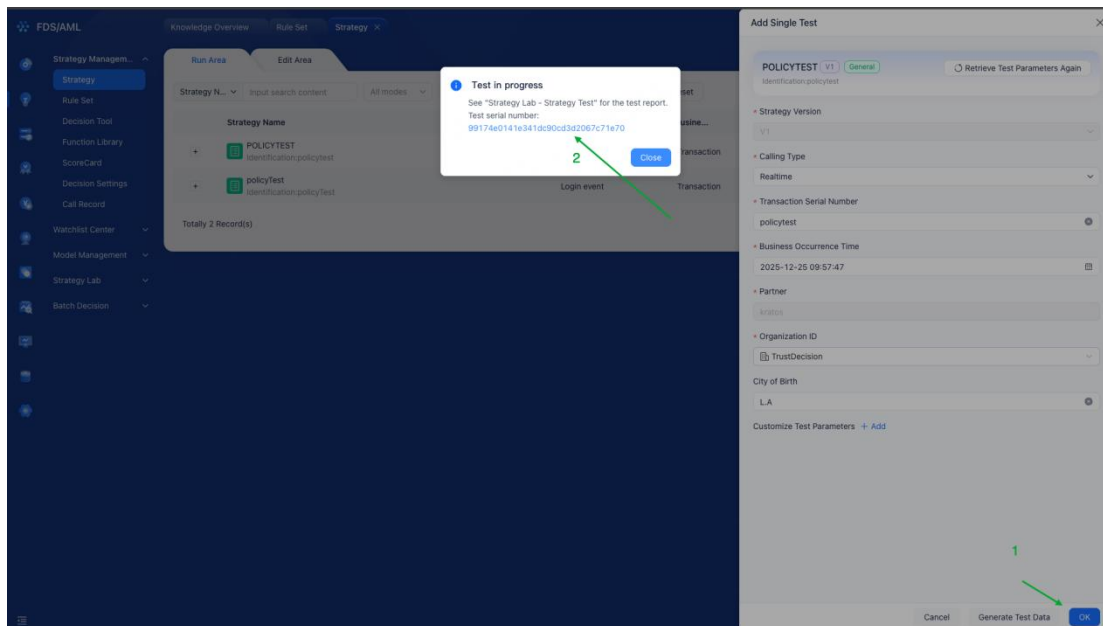




5. Strategy Test

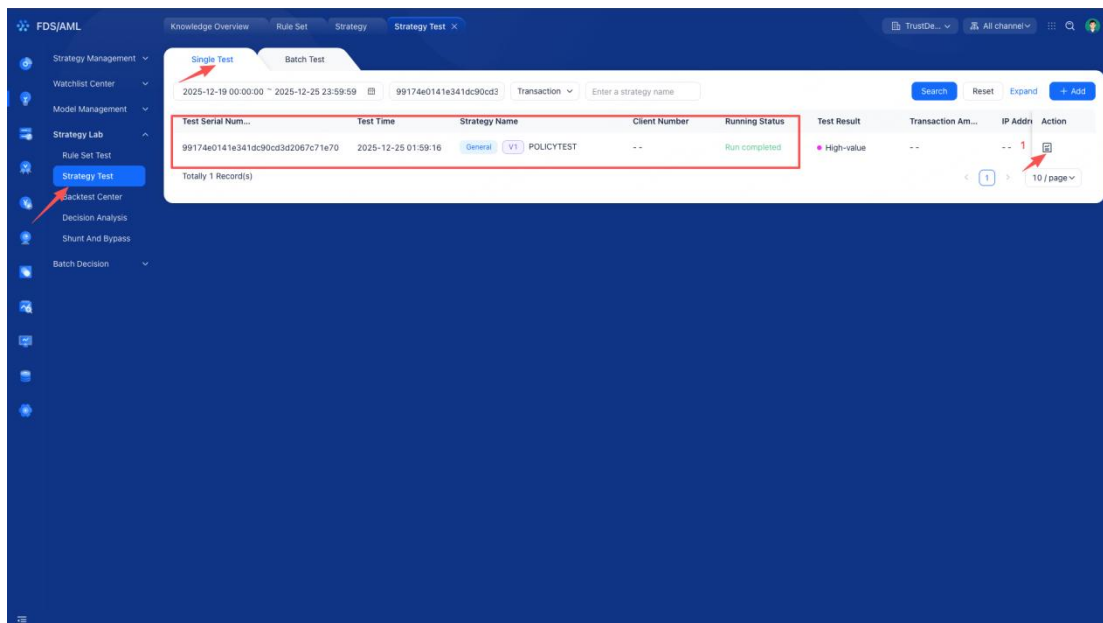
Locate the previously launched Strategy in the Run Area, click "Strategy Test" in the operation column, configure the parameters as follows, and then click "Test". A test report will be generated; click the report to jump to the corresponding record.





6. Report Details

Click the "Details" button in the operation column of the report record to view the detailed information of the Strategy test.



FDSJAML

Knowledge Overview

Rule Set

Strategy

Strategy Test

Back

Single Test Report

Strategy Management

Watchlist Center

Model Management

Strategy Lab

Rule Set Test

Strategy Test

Backtest Center

Decision Analysis

Shunt And Bypass

Batch Decision

Strategy Test Report

V1

TokenId: 176602786700018881707XGM1F180XELW03

Time: 2025-12-25 01:59:15

Decision Result: High-value

Client Name: --

Phone Number: --

ID Number: --

Bank Card Number: --

Information Overview

Indicator Information

Rule Execution Information

Rule Set Name

V1

RULESETTEST

Alert Subject

Account Theft

Risk Result

High-value

Hit Details

Rule Name

Hit Score/Hit Result

Hit Details

Formal

Custom Rule

High-value

[Field]City of Birth:LA

Input Parameter

[Field]City of Birth:LA

Output Parameter

[Field]Rule Set Result:HighValue

[Field]Rule Set Score:0.0