

#POC2 Travel Rule

Description:#POC2 Travel Rule Interface Document

Version:1.0.0

#POC2 Travel Rule

Admin Application APIs

- Return business list based on business code
- Query the list of received transaction history
- Query transaction details based on transaction key
- Query the status machine of transfer transaction based on the transaction key
- Query the list of sent transaction history
- Query country info list
- Delete user info
- Save user info
- Query user details based on user ID
- Query user list
- Modify user info

Client Application APIs

- Query currency and platform info
- Link Digital Currency Wallet to UDPN DID
- Query the binding list of UDPN DID and Digital Currency Wallet
- Set the digital currency wallet as the default binding wallet for the UDPN DID
- Query the DID of the current logged in user
- Query the preset digital currency wallet address based on the platform and currency

Transfer APIs

- Query the digital currency wallet address bound to the current user based on the platform and currency
- Query the nonce based on the currency wallet address
- Query all TNs that can process the Transfer(pre-process query)
- Save Transfer information
- Submit Transfer transaction
- Query the result of the travel rule based on the transaction key

Admin Application APIs

Return business list based on business code

url: /v1/tr/adminapp/drop/down/status/searches

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Return business list based on business code:

1. If csePCode is 'TRANSACTION_STATUS',returns all transaction status list.
2. If csePCode is 'CURRENCY_TYPE_STATUS',returns all currency type list.
3. If csePCode is 'PLATFORM_STATUS',returns all platform type list.

Example:

```
{  
  "csePCode": "TRANSACTION_STATUS"  
}
```

Params:

name	description	in	require	type	schema
inStatusSearches	InStatusSearches	body	true	InStatusSearches	InStatusSearches
csePCode	Business code: <ul style="list-style-type: none">• If query transaction status list:csePCode=TRANSACTION_STATUS• If query currency type list:csePCode=CURRENCY_TYPE_STATUS• If query platform type list:csePCode=PLATFORM_STATUS		true	string	

Status:

code	description	schema
200	OK	ResultInfo«List«OutStatusSearches»»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	array	OutStatusSearches
cseDesc	Description	string	
csePCode	Business code	string	
cseValue	Value	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": [
    {
      "cseDesc": "Pending",
      "csePCode": "TRANSACTION_STATUS",
      "cseValue": "1"
    }
  ],
  "message": "ok"
}
```

Query the list of received transaction history

url: /v1/tr/adminapp/received/transaction/searches

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Query the list of received transaction history

Example:

```
{
  "inPage": {
    "pageNum": 1,
    "pageSize": 10
  },
  "txHash": "0xcde9ede8164d4df72c2898b133226a5ec344e6aac872d85db63e0e1af0dcb731"
}
```

Params:

name	description	in	require	type	schema
inReceivedTransactionSearchs	InReceivedTransactionSearchs	body	true	InReceivedTransactionSearchs	InReceivedTransactionSearchs
inPage	Paging config:If InPage has no value, the first page is displayed by default, containing 10 pieces of data		true	InPage	InPage
pageNum	Current page: DefaultValue:1		true	integer	
pageSize	Page size: DefaultValue:10		true	integer	
txHash	Transaction hash		false	string	

Status:

code	description	schema
200	OK	ResultInfo«List«OutReceivedTransactionSearchs»»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	array	OutReceivedTransactionSearchs
amount	Transaction amount	string	
beneficiaryAccount	Beneficiary's wallet address	string	
beneficiaryBankCode	Beneficiary's bank code	string	
beneficiaryName	Beneficiary's name	string	
currencyType	Currency type	string	
senderAccount	Sender's wallet address	string	
senderName	Sender's name	string	
txHash	Transaction hash	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": [
    {
      "amount": "5.5",
      "beneficiaryAccount": "0xfc8d04578b0ff6441acfd2183525b0c783c2c411",
      "beneficiaryBankCode": "bankB",
      "beneficiaryName": "Jerry",
      "currencyType": "ETH-USDC",
      "senderAccount": "0x38d6625066d3846e7fc61458ffc633e0676ac101",
      "senderName": "Tom",
      "txHash":
      "0xcde9ede8164d4df72c2898b133226a5ec344e6aac872d85db63e0e1af0dcb731"
    }
  ]
}
```

```
],  
  "message": "ok"  
}
```

Query transaction details based on transaction key

url: /v1/tr/adminapp/transaction/detail/search

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Query transaction details based on transaction key

Example:

```
{  
  "transactionKey": "TR-3885669f654d4f7a823926f9ef22a956"  
}
```

Params:

name	description	in	require	type	schema
inAdminAppTransactionDetailSearch	InAdminAppTransactionDetailSearch	body	true	InAdminAppTransactionDetailSearch	InAdminAppTransactionDetailSearch
transactionKey	Transaction key		false	string	

Status:

code	description	schema
200	OK	ResultInfo«OutAdminAppTransactionDetailSearch»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutAdminAppTransactionDetailSearch	OutAdminAppTransactionDetailSearch
basicInformation	Basic information	OutAdminAppTransactionBasicInformation	OutAdminAppTransactionBasicInformation
amount	Transaction amount	string	
beneficiaryAccount	Beneficiary's wallet address	string	
beneficiaryBankCode	Beneficiary's bank code	string	
beneficiaryCurrencyAccuracy	The precision of beneficiary currency type	integer	
beneficiaryType	Beneficiary type:1- Internal Bank Beneficiary;2- External Beneficiary;	integer	
channelCurrency	Channel currency	string	
channelPlatform	Channel platform	string	
createTime	Create time	integer	
did	Client DID	string	
estimatedChannelFee	Estimated channel fee	integer	
failReason	Reasons for transaction failure	string	
isKyc	Is it KYC	string	
receivedAmount	Received amount	string	
senderAccount	Sender's wallet address	string	
senderCurrencyAccuracy	The precision of sender currency type	integer	
serviceFee	Service fee	string	
spliceCurrencyType	Currency type	string	
submissionTime	Submission time	integer	
tnCode	TN code	string	
tnName	TN name	string	
totalAmount	Total amount	string	
transactionHash	Transaction hash	string	
transactionKey	Transaction key	string	
transactionStatus	Transaction status: 1=Pending; 5=TN1 processing; 10=TN1 processed successfully; 15=TN1 failed; 20=Travel Rule processing; 25=Travel Rule failed;	integer	
travelRuleInformation	Travel rule information	OutAdminAppTransactionTravelRuleInformation	OutAdminAppTransactionTravelRuleInformation
beneficiaryAccount	Beneficiary's wallet address	string	
beneficiaryName	Beneficiary's name	string	
senderAccount	Sender's wallet address	string	
senderName	Sender's name	string	
travelRuleHash	Travel rule hash	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "basicInformation": {
      "amount": "5",
```

```

    "beneficiaryAccount": "0xfc8d04578b0ff6441acfd2183525b0c783c2c411",
    "beneficiaryBankCode": "bankB",
    "beneficiaryCurrencyAccuracy": 2,
    "beneficiaryType": 1,
    "channelCurrency": "Ether",
    "channelPlatform": "Eth",
    "createTime": 1697178665,
    "did": "did:udpn:4Ak1dJQ3wuJHLS3HgPrm9RxLedhr",
    "estimatedChannelFee": 5,
    "failReason": "50322:nonce too low",
    "iskyc": "Yes",
    "receivedAmount": "5",
    "senderAccount": "0x38d6625066d3846e7fc61458ffc633e0676ac101",
    "senderCurrencyAccuracy": 2,
    "serviceFee": "5",
    "spliceCurrencyType": "USDC-ETH",
    "submissionTime": 1697178670,
    "tnCode": "TN0000082",
    "tnName": "TN09",
    "totalAmount": "15",
    "transactionHash":
    "0xcde9ede8164d4df72c2898b133226a5ec344e6aac872d85db63e0e1af0dcb731",
    "transactionKey": "TR-3885669f654d4f7a823926f9ef22a956",
    "transactionStatus": 1
  },
  "travelRuleInformation": {
    "beneficiaryAccount": "0xfc8d04578b0ff6441acfd2183525b0c783c2c411",
    "beneficiaryName": "Jerry",
    "senderAccount": "0x38d6625066d3846e7fc61458ffc633e0676ac101",
    "senderName": "Tom",
    "travelRuleHash":
    "0xf9e80b9a54c38847a22d04b82b369e95c0c4a5405e1a8ab1690ab5263e733eeb"
  }
},
"message": "ok"
}

```

Query the status machine of transfer transaction based on the transaction key

url: /v1/tr/adminapp/transaction/history/searches

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Query the status machine of transfer transaction based on the transaction key

Example:

```
{  
  "transactionKey": "TR-3885669f654d4f7a823926f9ef22a956"  
}
```

Params:

name	description	in	require	type	schema
inAdminAppTransactionHistorySearches	InAdminAppTransactionHistorySearches	body	true	InAdminAppTransactionHistorySearches	InAdminAppTransactionHistorySearches
transactionKey	Transaction key		false	string	

Status:

code	description	schema
200	OK	ResultInfo«List«OutAdminAppTransactionHistorySearches»»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	array	OutAdminAppTransactionHistorySearches
beneficiaryAccount	Beneficiary's wallet address	string	
blockNumber	Block number	integer(int64)	
failReason	Reasons for transaction failure	string	
informHistoryList	Send transfer result history	array	InformHistory
dataHubUrl	DataHub url	string	
informDate	inform Date	integer	
informHistoryId	Inform History Id	integer	
informType	Inform type: 1=store; 5=submit; 10=access;	integer	
transferHistoryId	Transfer History Id	integer	
travelRuleHash	travel rule hash	string	
processTime	Process time	integer(int64)	
receivedTime	Received time	integer(int64)	
senderAccount	Sender's wallet address	string	
transactionHash	Transaction hash	string	
transactionKey	Transaction key	string	
transactionStatus	Transaction status: 1=Pending; 5=TN processing; 10=TN processed successfully; 15=TN failed; 20=Travel Rule processing; 25=Travel Rule failed; 30=travel rule successfully; 40=send transfer successfully;	integer(int32)	

name	description	type	schema
transferHistoryId	Transfer history id	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": [
    {
      "beneficiaryAccount": "0xfc8d04578b0ff6441acfd2183525b0c783c2c411",
      "blockNumber": 2969907,
      "failReason": "50322:nonce too low",
      "informHistoryList": [
        {
          "dataHubUrl":
"727f1f8bdcc3a76fe9c7a756132f02c7c98d17470775746fe7644dd2a939db67912282aa",
          "informDate": 1695696915,
          "informHistoryId": 2,
          "informType": 1,
          "transferHistoryId": 68,
          "travelRuleHash":
"0xf1a6baf97a9234fa6395769d4af318b09a95f49c9435e46afea912966581c37a"
        }
      ],
      "processTime": 1697178670,
      "receivedTime": 1697177468,
      "senderAccount": "0x38d6625066d3846e7fc61458ffc633e0676ac101",
      "transactionHash":
"0xcde9ede8164d4df72c2898b133226a5ec344e6aac872d85db63e0e1af0dcb731",
      "transactionKey": "TR-3885669f654d4f7a823926f9ef22a956",
      "transactionStatus": 1,
      "transferHistoryId": "68"
    }
  ],
  "message": "ok"
}
```

Query the list of sent transaction history

url: /v1/tr/adminapp/transaction/searches

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Query the list of sent transaction history

Example:

```
{
  "currencyType": "USDC",
  "inPage": {
    "pageNum": 1,
    "pageSize": 10
  },
  "platformType": "ETH",
  "submitEndDate": 1701684019,
  "submitStartDate": 1697177675,
  "transactionKey": "TR-3885669f654d4f7a823926f9ef22a956",
  "transactionStatus": 1
}
```

Params:

name	description	in	require	type	schema
inAdminAppTransactionSearches	InAdminAppTransactionSearches	body	true	InAdminAppTransactionSearches	InAdminAppTransactionSearches
currencyType	Currency type(max length:20)		false	string	
inPage	Paging config:If InPage has no value, the first page is displayed by default, containing 10 pieces of data		true	InPage	InPage
pageNum	Current page: DefaultValue:1		true	integer	
pageSize	Page size: DefaultValue:10		true	integer	
platformType	Platform type(max length:20)		false	string	
submitEndDate	End submission date		false	integer(int64)	
submitStartDate	Start submission date		false	integer(int64)	
transactionKey	Transaction key		false	string	
transactionStatus	Transaction status: 1=Pending; 5=TN1 processing; 10=TN1 processed successfully; 15=TN1 failed; 20=Travel Rule processing; 25=Travel Rule failed;		false	integer(int32)	

Status:

code	description	schema
200	OK	ResultInfo«List«OutAdminAppTransactionSearches»»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	array	OutAdminAppTransactionSearches
amount	Transaction amount	string	
beneficiaryAccount	Beneficiary's wallet address	string	
clientId	Client id	integer(int64)	
senderAccount	Sender's wallet address	string	
spliceCurrencyType	Currency type	string	
submissionTime	Submission time	integer(int64)	
transactionKey	Transaction key	string	
transactionStatus	Transaction status: 1=Pending; 5=TN1 processing; 10=TN1 processed successfully; 15=TN1 failed; 20=Travel Rule processing; 25=Travel Rule failed;	integer(int32)	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": [
    {
      "amount": "5.5",
      "beneficiaryAccount": "0xfc8d04578b0ff6441acfd2183525b0c783c2c411",
      "clientId": 2,
      "senderAccount": "0x38d6625066d3846e7fc61458ffc633e0676ac101",
      "spliceCurrencyType": "USDC-ETH",
      "submissionTime": 1687766613,
      "transactionKey": "TR-3885669f654d4f7a823926f9ef22a956",
      "transactionStatus": 1
    }
  ],
  "message": "ok"
}
```

Query country info list

url: /v1/tr/adminapp/country/searches

method: POST

produces: application/x-www-form-urlencoded

consumes: */*

Note:

Query country info list

Params:

暂无

Status:

code	description	schema
200	OK	ResultInfo«OutTrAdminAppCountrySearches»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutTrAdminAppCountrySearches	OutTrAdminAppCountrySearches
countryCode	Country code	string	
countryInfoId	Country info id	integer(int64)	
countryName	Country name	string	
shortName	Country short name	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "countryCode": "0x7392749234092840982304342",
    "countryInfoId": 1,
    "countryName": "China",
    "shortName": "CN"
  },
  "message": "ok"
}
```

Delete user info

url: /v1/tr/adminapp/user/delete

method: POST

produces: application/x-www-form-urlencoded, application/json

consumes: */*

Note:

Delete user info

Example:

```
{
  "clientId": 1
}
```

Params:

name	description	in	require	type	schema
inTrAdminAppUserDelete	InTrAdminAppUserDelete	body	true	InTrAdminAppUserDelete	InTrAdminAppUserDelete
clientId	Client id		true	integer(int64)	

Status:

code	description	schema
200	OK	ResultInfo
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	object	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {},
  "message": "ok"
}
```

Save user info

url: /v1/tr/adminapp/user/save

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Save user info

Example:

```
{
  "birthCountry": 50,
  "birthDate": "2022-02-02",
  "clientAddress": "Chaoyang District, Beijing",
  "clientName": "Tom",
  "confirmPassword": "Aabb9876",
  "identityNumber": "110110202312051056",
  "password": "Aabb9876",
  "userLoginName": "zhangsan"
}
```

Params:

name	description	in	require	type	schema
inTrAdminAppUserSave	InTrAdminAppUserSave	body	true	InTrAdminAppUserSave	InTrAdminAppUserSave
birthCountry	Country id of birth		true	integer(int64)	
birthDate	Date of birth		true	string	
clientAddress	User address		true	string	
clientName	User name(max length:100)		true	string	
confirmPassword	User confirms password		true	string	
identityNumber	National identity number		true	string	
password	User login password		true	string	
userLoginName	User login name		true	string	

Status:

code	description	schema
200	OK	ResultInfo
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	object	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {},
  "message": "ok"
}
```

Query user details based on user ID

url: /v1/tr/adminapp/user/search

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Query user details based on user ID

Example:

```
{
  "clientId": 1
}
```

Params:

name	description	in	require	type	schema
inTrAdminAppUserSearch	InTrAdminAppUserSearch	body	true	InTrAdminAppUserSearch	InTrAdminAppUserSearch
clientId	Client id		true	integer(int64)	

Status:

code	description	schema
200	OK	ResultInfo
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	object	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {},
  "message": "ok"
}
```

Query user list

url: /v1/tr/adminapp/user/searches

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Query user list

Example:

```
{
  "inPage": {
    "pageNum": 1,
    "pageSize": 10
  }
}
```

Params:

name	description	in	require	type	schema
inTrAdminAppUserSearches	InTrAdminAppUserSearches	body	true	InTrAdminAppUserSearches	InTrAdminAppUserSearches
inPage	Paging config:If InPage has no value, the first page is displayed by default, containing 10 pieces of data		true	InPage	InPage
pageNum	Current page: DefaultValue:1		true	integer	
pageSize	Page size: DefaultValue:10		true	integer	

Status:

code	description	schema
200	OK	ResultInfo
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	object	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {},
  "message": "ok"
}
```

Modify user info

url: /v1/tr/adminapp/user/update

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Modify user info

Example:

```

{
  "birthCountry": 50,
  "birthDate": "2022-02-02",
  "clientAddress": "Chaoyang District, Beijing",
  "clientId": 1,
  "clientName": "Tom",
  "confirmPassword": "Aabb9876",
  "identityNumber": "110110202312051056",
  "password": "Aabb9876",
  "userLoginName": "zhangsan"
}

```

Params:

name	description	in	require	type	schema
inTrAdminAppUserUpdate	InTrAdminAppUserUpdate	body	true	InTrAdminAppUserUpdate	InTrAdminAppUserUpdate
birthCountry	Country id of birth		true	integer(int64)	
birthDate	Date of birth		true	string	
clientAddress	User address		true	string	
clientId	Client id		true	integer(int64)	
clientName	User name(max length:100)		true	string	
confirmPassword	User confirms password		true	string	
identityNumber	National identity number		true	string	
password	User login password		true	string	
userLoginName	User login name		true	string	

Status:

code	description	schema
200	OK	ResultInfo
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	object	
message	Message code	string	

Response Example:

```
{  
  "code": 0,  
  "data": {},  
  "message": "ok"  
}
```

Client Application APIS

Query currency and platform info

url: /v1/tr/clientapp/currency/searches

method: POST

produces: application/x-www-form-urlencoded

consumes: */*

Note:

Query currency and platform info

Params:

暂无

Status:

code	description	schema
200	OK	ResultInfo«OutTrClientAppCurrencySearches»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutTrClientAppCurrencySearches	OutTrClientAppCurrencySearches
currencyName	Currency name(max length:20)	string	
outPlatformInfos	The platform list corresponding to the currency name	array	OutPlatformInfo
currencyPrecision	Currency precision	integer	
platformName	Platform name(max length:20)	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "currencyName": "USDC",
    "outPlatformInfos": [
      {
        "currencyPrecision": 1,
        "platformName": "ETH"
      }
    ]
  },
  "message": "ok"
}
```

Link Digital Currency Wallet to UDPN DID

url: /v1/tr/clientapp/dca/save

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Link Digital Currency Wallet to UDPN DID

Example:

```
{
  "accountAddr": "0x144c28e14674b644f2f3474f63b10b09dbb2ef01",
  "currencyType": "USDC",
  "description": "Brief introduction",
  "did": "did:udpn:3jiXKvNYbwKSmJL7F3wJGFvGE1gp",
  "isDefault": 0,
  "platform": "ETH"
}
```

Params:

name	description	in	require	type	schema
inTrClientAppDcaSave	InTrClientAppDcaSave	body	true	InTrClientAppDcaSave	InTrClientAppDcaSave
accountAddr	Digital currency wallet address		true	string	
currencyType	Currency type(max length:20)		true	string	
description	Brief introduction (max length:100)		true	string	
did	DID(max length:100)		true	string	
isDefault	Is it default: 0-not default; 1-default		true	integer(int32)	
platform	Platform type(max length:20)		true	string	

Status:

code	description	schema
200	OK	ResultInfo
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	object	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {},
  "message": "ok"
}
```

Query the binding list of UDPN DID and Digital Currency Wallet

url: /v1/tr/clientapp/dca/searches

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Query the binding list of UDPN DID and Digital Currency Wallet

Example:

```
{
  "currencyType": "USDC",
  "inPage": {
    "pageNum": 1,
    "pageSize": 10
  },
  "platform": "ETH"
}
```

Params:

name	description	in	require	type	schema
inTrClientAppDcaSearches	InTrClientAppDcaSearches	body	true	InTrClientAppDcaSearches	InTrClientAppDcaSearches
currencyType	Currency type(max length:20)		false	string	
inPage	Paging config:If InPage has no value, the first page is displayed by default, containing 10 pieces of data		true	InPage	InPage
pageNum	Current page: DefaultValue:1		true	integer	
pageSize	Page size: DefaultValue:10		true	integer	
platform	Platform type(max length:20)		false	string	

Status:

code	description	schema
200	OK	ResultInfo
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	object	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {},
  "message": "ok"
}
```

Set the digital currency wallet as the default binding wallet for the UDPN DID

url: `/v1/tr/clientapp/dca/update`

method: `POST`

produces: `application/x-www-form-urlencoded,application/json`

consumes: `*/*`

Note:

Set the digital currency wallet as the default binding wallet for the UDPN DID

Example:

```
{
  "accountBindingId": 1
}
```

Params:

name	description	in	require	type	schema
inTrClientAppDcaUpdate	InTrClientAppDcaUpdate	body	true	InTrClientAppDcaUpdate	InTrClientAppDcaUpdate
accountBindingId	Account bind id (max length:50)		true	integer(int64)	

Status:

code	description	schema
200	OK	ResultInfo
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	object	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {},
  "message": "ok"
}
```

Query the DID of the current logged in user

url: /v1/tr/clientapp/did/search

method: POST

produces: application/x-www-form-urlencoded

consumes: */*

Note:

Query the DID of the current logged in user

Params:

暂无

Status:

code	description	schema
200	OK	ResultInfo«OutTrClientAppDidSearch»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutTrClientAppDidSearch	OutTrClientAppDidSearch
did	DID	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "did": "did:udpn:4Ak1dJQ3wuJHLS3HgPrm9RxLedhR"
  },
  "message": "ok"
}
```

Query the preset digital currency wallet address based on the platform and currency

url: `/v1/tr/clientapp/presetaccount/search`

method: `POST`

produces: `application/x-www-form-urlencoded,application/json`

consumes: `*/*`

Note:

Query the preset digital currency wallet address based on the platform and currency

Example:

```
{
  "currencyName": "USDC",
  "platformName": "ETH"
}
```

Params:

name	description	in	require	type	schema
inTrClientAppPresetAccountSearch	InTrClientAppPresetAccountSearch	body	true	InTrClientAppPresetAccountSearch	InTrClientAppPresetAccountSearch
currencyName	Currency name(max length:20)		true	string	
platformName	Platform name(max length:20)		true	string	

Status:

code	description	schema
200	OK	ResultInfo«OutTrClientAppPresetAccountSearch»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutTrClientAppPresetAccountSearch	OutTrClientAppPresetAccountSearch
accountAddr	Digital currency wallet address	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "accountAddr": "0x144c28e14674b644f2f3474f63b10b09dbb2ef01"
  },
  "message": "ok"
}
```

Transfer APIs

Query the digital currency wallet address bound to the current user based on the platform and currency

url: /v1/tr/transferapp/currency/account/Searches

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Query the digital currency wallet address bound to the current user based on the platform and currency

Example:

```
{
  "currencyType": "USDC",
  "platform": "ETH"
}
```

Params:

name	description	in	require	type	schema
inCurrencyAccountSearches	InCurrencyAccountSearches	body	true	InCurrencyAccountSearches	InCurrencyAccountSearches
currencyType	Currency type(max length:20)		true	string	
platform	Platform type(max length:20)		true	string	

Status:

code	description	schema
200	OK	ResultInfo«List«OutCurrencyAccountSearches»»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	array	OutCurrencyAccountSearches
currencyAccountAddress	Digital currency wallet address	string	
defaultAccount	Is it the default account: 0=not default; 1=default;	integer(int32)	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": [
    {
      "currencyAccountAddress":
"0x144c28e14674b644f2f3474f63b10b09dbb2ef01",
      "defaultAccount": 0
    }
  ],
  "message": "ok"
}
```

Query the nonce based on the currency wallet address

url: `/v1/tr/transferapp/nonce/search`

method: POST

produces: `application/x-www-form-urlencoded, application/json`

consumes: `*/*`

Note:

Query the nonce based on the currency wallet address

Example:

```
{
  "accountAddress": "0x144c28e14674b644f2f3474f63b10b09dbb2ef01"
}
```

Params:

name	description	in	require	type	schema
inTransferNonceSearch	InTransferNonceSearch	body	true	InTransferNonceSearch	InTransferNonceSearch
accountAddress	Digital currency wallet address		true	string	

Status:

code	description	schema
200	OK	ResultInfo«OutTransferNonceSearch»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutTransferNonceSearch	OutTransferNonceSearch
nonce	Nonce	number(bigInteger)	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "nonce": 164
  },
  "message": "ok"
}
```

Query all TNs that can process the Transfer(pre-process query)

url: `/v1/tr/transferapp/possible/processing/searchs`

method: `POST`

produces: `application/x-www-form-urlencoded,application/json`

consumes: `*/*`

Note:

Query all TNs that can process the Transfer(pre-process query)

Example:

```
{
  "beneficiaryName": "Jerry",
  "currencyType": "USDT",
  "did": "did:udpn:3jixKvNYbwKSmJL7F3wJGFvGE1gp",
  "platformType": "ETH",
  "sourceAccountAddress": "0x78AB5678CDF8907654909089765432345906AC0D",
  "targetAccountAddress": "0x98AB5678CDF8907654909089765432345906AD0C",
  "transferAmount": 1,
  "transferKey": "TR-3885669f654d4f7a823926f9ef22a956"
}
```

Params:

name	description	in	require	type	schema
inPossibleProcessingSearchs	InPossibleProcessingSearchs	body	true	InPossibleProcessingSearchs	InPossibleProcessingSearchs
beneficiaryName	Beneficiary's name(max length:100)		false	string	
currencyType	Currency type(max length:20)		true	string	
did	DID(max length:100)		true	string	
platformType	Platform type(max length:20)		true	string	
sourceAccountAddress	Sender's wallet address		true	string	
targetAccountAddress	Beneficiary's wallet address		true	string	
transferAmount	Transfer amount(integer max length:32;fraction max length:18)		true	number(bigdecimal)	
transferKey	Transfer key		true	string	

Status:

code	description	schema
200	OK	ResultInfo«List«OutPossibleProcessingSearchs»»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	array	OutPossibleProcessingSearchs
allowMaxChannelFee	Is it allowed to have a max channel fee:0-no;1-yes;	integer(int32)	
beneficiaryBankCode	Beneficiary's bank code	string	
beneficiaryName	Beneficiary's name	string	
beneficiaryType	Beneficiary type:1-Internal Bank Beneficiary;2-External Beneficiary;	integer(int32)	
capitalPoolAddress	Capital pool address	string	
channelCurrency	Channel currency	string	
channelFee	Whether need to pay a channel fee:0-no;1-yes;	integer(int32)	
channelFeePrecision	Precision of channel fee	integer(int32)	
channelPlatform	Channel platform	string	
currencyType	Currency type	string	
did	DID	string	
estimatedChannelFee	Estimated channel fee	string	
fromAcc	Sender's wallet address	string	
fromBankAccount	From bank account	string	
isKycRequest	1:True;2:False;999:Unknown;	integer(int32)	
maxChannelFee	Max channel fee	number(bigdecimal)	
nodeDescription	Tn node description	string	
nodeName	Tn node name	string	
nodeNumber	Tn node code	string	
originalTnCode	TN code	string	
originalTnServiceFee	TN service fee	string	
platformType	Platform type(max length:20)	string	
privateKey	Private key	string	
senderName	Sender's name	string	
serviceFee	Total service fee	string	
spliceCurrencyType	Spliced currency type	string	
tnSecurityMsg	Tn security message	string	
toAcc	Beneficiary's wallet address	string	
toBankAccount	Beneficiary's wallet address	string	
totalAmount	Total amount	string	
transCurrentAmt	Transfer amount	string	
transferKey	Transfer key	string	
udpnTransactionKey	UDPN transaction key	string	
vnServiceFee	VN service fee	string	
message	Message code	string	

Response Example:

```
{
```



```

"code": 0,
"data": [
  {
    "allowMaxChannelFee": 1,
    "beneficiaryBankCode": "bankB",
    "beneficiaryName": "Jerry",
    "beneficiaryType": 2,
    "capitalPoolAddress": "capitalPoolAddress",
    "channelCurrency": "Ether",
    "channelFee": 1,
    "channelFeePrecision": 6,
    "channelPlatform": "ETH",
    "currencyType": "USDC",
    "did": "did:udpn:3jixKvNYbwKSmJL7F3wJGFvGE1gp",
    "estimatedChannelFee": "1.5",
    "fromAcc": "0x78AB5678CDF8907654909089765432345906AC0D",
    "fromBankAccount": "bank1",
    "isKycRequest": 1,
    "maxChannelFee": 100,
    "nodeDescription": "description",
    "nodeName": "TN08",
    "nodeNumber": "TN0000132",
    "originalTnCode": "TN0000132",
    "originalTnServiceFee": "1",
    "platformType": "ETH",
    "privateKey":
"c0cb36f9fc0b79ef3781a673a9a4cde73c746b6391cecf8e977b00b050689600",
    "senderName": "Tom",
    "serviceFee": "2",
    "spliceCurrencyType": "USDC-ETH",
    "tnSecurityMsg": "null",
    "toAcc": "0x98AB5678CDF8907654909089765432345906AD0C",
    "toBankAccount": "0x98AB5678CDF8907654909089765432345906AD0C",
    "totalAmount": "3",
    "transCurrentAmt": "100",
    "transferKey": "TR-3885669f654d4f7a823926f9ef22a956",
    "udpnTransactionKey":
"VN0001_UDPN000100013_3526a13061ae4ec0ad1fab8f92a34a851636104061598",
    "vnServiceFee": "1"
  }
],
"message": "ok"
}

```

Save Transfer information

url: /v1/tr/transferapp/save

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Save Transfer information

Example:

```
{
  "amount": 100,
  "beneficiaryAccount": "0xfc8d04578b0ff6441acfd2183525b0c783c2c411",
  "beneficiaryBankCode": "bankB",
  "beneficiaryName": "Jerry",
  "clientDid": "UDPN:did:97897898798908980989089",
  "currencyType": "USDC",
  "platform": "ETH",
  "senderAccount": "0x38d6625066d3846e7fc61458ffc633e0676ac101"
}
```

Params:

name	description	in	require	type	schema
inTransferSave	InTransferSave	body	true	InTransferSave	InTransferSave
amount	Transfer amount		true	integer(int64)	
beneficiaryAccount	Beneficiary's wallet address		true	string	
beneficiaryBankCode	Beneficiary's bank code		true	string	
beneficiaryName	Beneficiary's name		false	string	
clientDid	DID		true	string	
currencyType	Currency type(max length:20)		true	string	
platform	Platform type(max length:20)		true	string	
senderAccount	Sender's wallet address		true	string	

Status:

code	description	schema
200	OK	ResultInfo«OutTransferSave»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutTransferSave	OutTransferSave
transferKey	Transfer key	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "transferKey": "TR-3885669f654d4f7a823926f9ef22a956"
  },
  "message": "ok"
}
```

Submit Transfer transaction

url: /v1/tr/transferapp/submit

method: POST

produces: application/x-www-form-urlencoded,application/json

consumes: */*

Note:

Submit Transfer transaction

Example:

```
{
  "allowMaxChannelFee": 1,
  "channelCurrency": "Ether",
  "channelFee": 1,
  "channelFeePrecision": 6,
  "channelPlatform": "ETH",
  "estimatedChannelFee": "1.5",
  "indigitalCurrencySwapManagePermitSelect": {
    "originalTnCode": "TN0000132",
    "privateKey":
"c0cb36f9fc0b79ef3781a673a9a4cde73c746b6391cecf8e977b00b050689600",
    "serviceFee": "1"
  },
  "maxChannelFee": "100",
  "originalTnServiceFee": "1",
  "serviceFee": "2",
  "tnCode": "TN0000132",
  "tnName": "TN08",
}
```

Params:

Status:

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutSubmitTransfer	OutSubmitTransfer
transferKey	Transfer key	string	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "transferKey": "TR-3885669f654d4f7a823926f9ef22a956"
  },
  "message": "ok"
}
```

Query the result of the travel rule based on the transaction key

url: `/v1/tr/transferapp/travel/rule/result/search`

method: `POST`

produces: `application/x-www-form-urlencoded,application/json`

consumes: `*/*`

Note:

Query the result of the travel rule based on the transaction key

Example:

```
{
  "transactionKey": "TR-3885669f654d4f7a823926f9ef22a956"
}
```

Params:

name	description	in	require	type	schema
inTransferTravelRuleResultSearch	InTransferTravelRuleResultSearch	body	true	InTransferTravelRuleResultSearch	InTransferTravelRuleResultSearch
transactionKey	Transaction key		true	string	

Status:

code	description	schema
200	OK	ResultInfo«OutTransferTravelRuleResultSearch»
201	Created	
401	Unauthorized	
403	Forbidden	
404	Not Found	

Response Params:

name	description	type	schema
code	Return code.	integer(int32)	integer(int32)
data	Api return data	OutTransferTravelRuleResultSearch	OutTransferTravelRuleResultSearch
travelRuleStatus	Travel rule status: 20=Travel rule processing; 25=Travel rule failed; 30=Travel rule successfully;	integer(int32)	
message	Message code	string	

Response Example:

```
{
  "code": 0,
  "data": {
    "travelRuleStatus": 30
  },
  "message": "ok"
}
```