

# BN Back-end Management System Operation Manual

## 1. BN Node Onboarding

After installing the BN node, users should open the local link (<http://localhost:8080/>) and fill out the BN network access information:

### BN Node Onboarding

To onboard a Business Node, input the following information

\* BN Version ⓘ

☐ Standard ☒ Enterprise

\* Select VN node to be connected

Select

\* Upload the Node's DID document ⓘ

Upload

\* Did Signature Document ⓘ

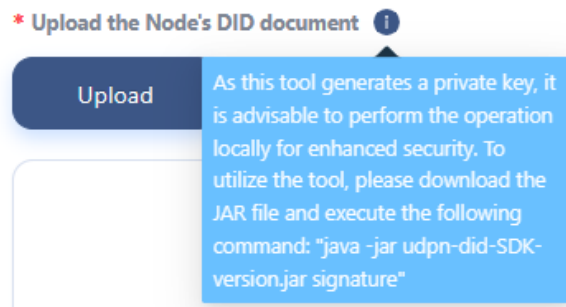
⬇

Next

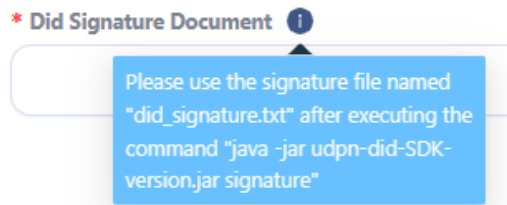
Users should select the BN version and VN to connect to, upload the DID and DID signature document, and click "Next";

- For information on how to generate the DID document,

please refer to:



- For information on how to generate the DID Signature Document, please refer to::



Users should enter their basic information, including Enterprise Name, Country, Node Name, Brief Introduction, and Description, as well as their contact information, including Contact Name, Mobile Number, Contact Email Address, Verification Code, and Detailed Address. After uploading their Business License, they should submit their application for network access and wait for the VN governance system to vote.

## BN Node Onboarding

Basic Information

Enterprise Name

Country

Node Name

Brief Introduction

Description (Optional)

Contact Information

Contact Name

Mobile Number

Contact Email Address

Verification Code

Verification Code

Detailed Address

Business License

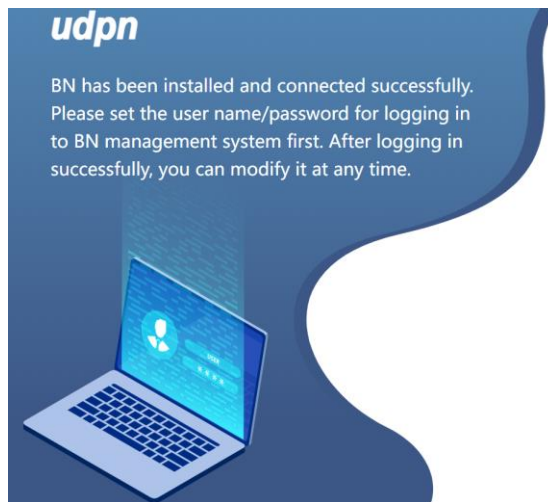
Upload

It is recommended to provide pictures with 160 \* 160 (PNG / JPG / GIF / BMP / JPEG) pixels and size less than 10M, and it must be a company or product logo and not deformed.

## 2. Creating a Login Account and Logging In

## 2.1 Creating a Login Account

After the BN node's network access application is approved, users can proceed to create a login account:



#### Universal Digital Payments Network

BN Name: tao001

User Name

Password

Confirm Password

Sign Up

Users can create an account by entering their User Name, Password, and Confirm Password.

## 2.2 Logging In

Users can log in to the BN back-end management system by entering their User Name and Password.

#### Universal Digital Payments Network

BN Name: BN00000003

User Name

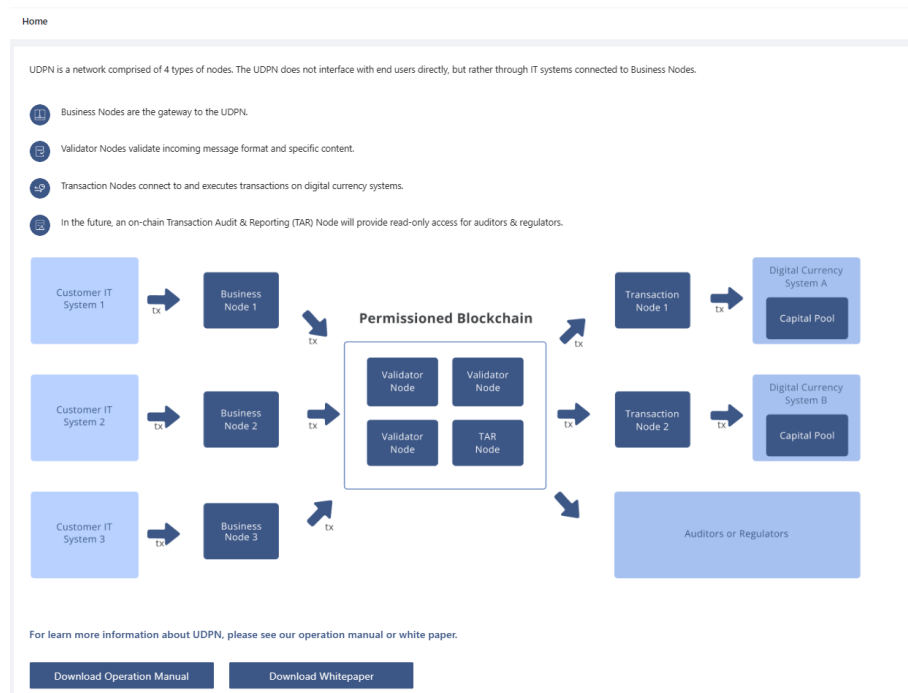
Password

LOGIN

## 3. Home

Here, users can learn about the overall overview and

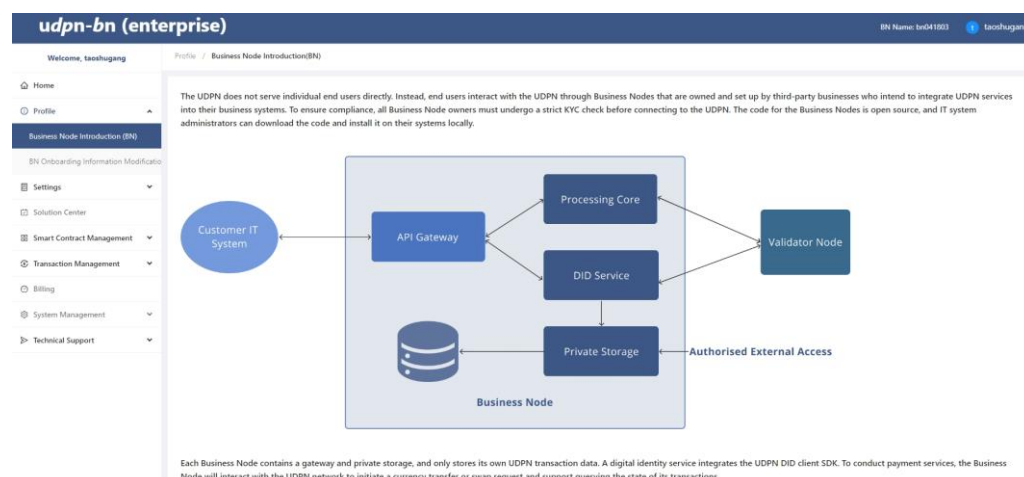
technical architecture of UDPN. Users can also download user manuals and white papers to learn more about UDPN.



## 4. Settings

### 4.1 Business Node Introduction (BN)

Go to the "Home-> Business Node Introduction" page, where you can view the information of Business Node Introduction (BN).



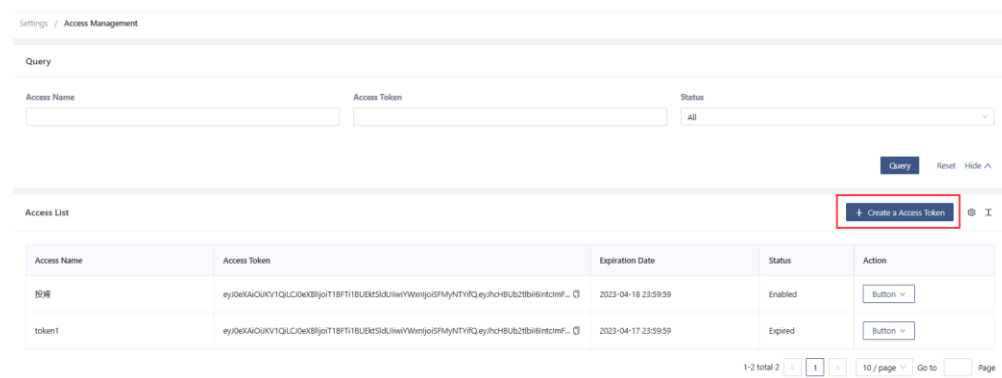
## 5. Settings

### 5.1 Access Management

When an IT business system accesses BN through an interface, BN must assign an Access Token to the business system before it can access the system. Access Tokens have three states: Enabled, Disabled, and Expired. When in the Enabled state, Access Tokens can be refreshed, disabled, or deleted. When in the Disabled state, Access Tokens can be enabled or deleted. When in the Expired state, Access Tokens can be deleted.

#### 5.1.1 Create an Access Token

On the "Access Management" page, click the "Create an Access Token" button:



The screenshot shows the 'Access Management' page with a query section and an access list table. The 'Create an Access Token' button is highlighted with a red box.

Settings / Access Management

Query

Access Name Access Token Status

Query Reset Hide ^

Access List

Create an Access Token

Access Name	Access Token	Expiration Date	Status	Action
授權	eyJ0eXAiOiJKV1QiLCJ0eXBlIjoiT1BFT1B1BUEkS5dUuiWVWenJpGPhyNTYlRQyehch4BubztBil6intcmf...	2023-04-18 23:59:59	Enabled	Button
token1	eyJ0eXAiOiJKV1QiLCJ0eXBlIjoiT1BFT1B1BUEkS5dUuiWVWenJpGPhyNTYlRQyehch4BubztBil6intcmf...	2023-04-17 23:59:59	Expired	Button

1-2 total 2 1 10 / page Go to Page

In the "Create an Access Token" dialog box, enter the Access Name and Expiration Date to create the Access Token.



the Access Token.

Refresh

X

Refreshing the access token requires resetting the Expiration Date.

\* Expiration Date

2023-04-18

Cancel

Confirm

5.1.4 Disabled Access Token

Users can disable an Access Token by clicking the “Disable Access Token” button in the Action column. Disabled Access Tokens cannot access BN.

Access List

Create a Access Token

Access Name	Access Token	Expiration Date	Status	Action
投票	eyJ0eXAiOiJKV1QiLCJ0eXBlIjoT1BFT1BUEk5SdUllwWenjo5SMYNTYfQyJhchBub2tBilBintcmF...	2023-04-18 23:59:59	Enabled	Button
token1	eyJ0eXAiOiJKV1QiLCJ0eXBlIjoT1BFT1BUEk5SdUllwWenjo5SMYNTYfQyJhchBub2tBilBintcmF...	2023-04-17 23:59:59	Expired	Refresh Access Token Disabled Access Token Delete

1-2 total 2

1

10 / pageGo toPage

5.1.5 Delete Access Token

Users can delete an Access Token by clicking the “Delete Access Token” button in the Action column:

Access List

Create a Access Token

Access Name	Access Token	Expiration Date	Status	Action
投票	eyJ0eXAiOiJKV1QiLCJ0eXBlIjoT1BFT1BUEk5SdUllwWenjo5SMYNTYfQyJhchBub2tBilBintcmF...	2023-04-18 23:59:59	Enabled	Button
token1	eyJ0eXAiOiJKV1QiLCJ0eXBlIjoT1BFT1BUEk5SdUllwWenjo5SMYNTYfQyJhchBub2tBilBintcmF...	2023-04-17 23:59:59	Expired	Refresh Access Token Disabled Access Token Delete

1-2 total 2

1

10 / pageGo toPage

6. Smart Contract Management



## 6.1 My Contract Packages

### 6.1.1 Create Contract Package

Enter the "My Contract Packages" page and click the "Create Contract Package" button:

Contract Package List				
				<a href="#">+ Create Contract Package</a>
Contract Package Name	Contract Package ID	Description	Creation Time	Action
NumberTwo	Prod486eec301a45ea83d991ed42969e49	第二个合约包	2023-04-18 10:41:58	<a href="#">Action</a>
NumberOne	Pro1c0e49f5e7544bcb8aa68f6e53418027	第一个合约包	2023-04-18 10:40:13	<a href="#">Action</a>

In the popped up "Create Contract Packages" dialog box, enter the "Contract Package Name" and "Description", and click the "confirm" button to create the contract package successfully.

Create a New Contract Package

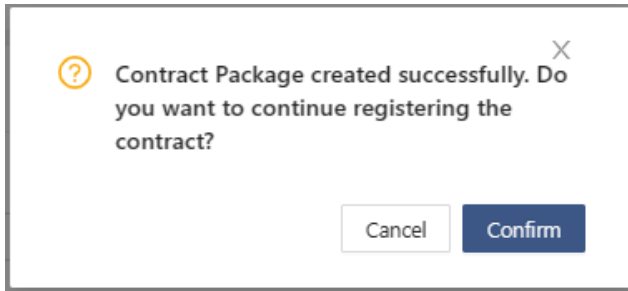
\* Contract Package Name

\* Description

Cancel

Confirm

After the contract package is created successfully, the user will be prompted whether to continue registering the contracts under the contract package:



Click the "confirm" button to pop up the "Register Contract" dialog box:

A "Register Contract" dialog box with a white background and a thin grey border. The title bar at the top says "Register Contract" and has a close button (X) on the right. The form contains several fields, each with a red asterisk indicating it is required: "Contract Name" (text input), "Version" (text input), "Compiler Version" (dropdown menu), "Compile EvmVersion" (dropdown menu), "Input File Path" (text input), "Description" (text area), and "Sourcecode Zip File" (file upload button with a document icon). At the bottom right, there are two buttons: a white button with the text "Cancel" and a blue button with the text "Confirm".

Enter the Contract Name, Version, choose Compiler Version, Compile EvmVersion, Input File Path, Description, and upload the contract source code package. After that, click the "Confirm" button to register the contract successfully.

### 6.1.2 Query

Users can query contract package information according to the Contract Package Name, Contract Package ID, and Creation Date.

Smart Contract Management / My Contract Packages

Query

Contract Package Name

Contract Package ID

Creation Date

Start date

→

End date

QueryResetHide

Contract Package List

Create Contract Package

Contract Package Name	Contract Package ID	Description	Creation Time	Action
NumberTwo	Prod486eec0301a4dea83d991ed42969e49	第二个合约包	2023-04-18 10:41:58	Action
NumberOne	Pro1c0e49f5e7544bc8aa69bfea53418027	第一个合约包	2023-04-18 10:40:13	Action

### 6.1.3 Contract Management

Users can click on "Contract Management" in the operation column to navigate to the "Contract Management" page, where they can manage all contracts under that contract.

Contract Package List

Create Contract Package

Contract Package Name	Contract Package ID	Description	Creation Time	Action
NumberTwo	Prod486eec0301a4dea83d991ed42969e49	第二个合约包	2023-04-18 10:41:58	Action
NumberOne	Pro1c0e49f5e7544bc8aa69bfea53418027	第一个合约包	2023-04-18 10:40:13	Contract Management Edit Delete Detail
tao	Prod827cecb8714c93aa1820b72a49a9e0	test	2023-04-18 10:37:57	Action
wallet	Pro9d05ae7f7db524a89bc87373506f89957	钱包合约	2023-04-17 18:29:57	Action

1-4 total 4110 / pageGo toPage

Smart Contract Management / My Contract Packages / Manage Contract

Contracts Management

Contract Package Name: NumberTwoContract Package ID: Prod486eec0301a4dea83d991ed42969e49

Status

QueryReset

Contract List

Generate Solc CommandRegister ContractSubmit

	Contract Name	Version	Compiler Version	Contract Code	Submission Time	Status	Action
<input type="checkbox"/>	bbbbbbb	1.0.0	0.8.19	2cb1974adac4a158ba735595c78fefe	--	To be deployed	Detail Submit Delete
<input type="checkbox"/>	aaaaaa	1.0.0	0.8.19	ab036df35e84451583f6e6e24ec93dde	--	To be deployed	Detail Submit Delete
<input type="checkbox"/>	NumberThree	1.0.0	0.8.19	6ffe2fe4e92c430bc290144991116db	--	To be deployed	Detail Submit Delete
<input checked="" type="checkbox"/>	NumberOne	1.0.0	0.8.19	2d42bd3d376ff4f3bafaeac977fa6324e	2023-04-18 13:45:50	Approved	Detail Download BIN
<input type="checkbox"/>	NumberOne	1.0.0	0.8.19	87279e005aa74cc3a25261749b864294	--	To be deployed	Detail Submit Delete

1-5 total 5110 / pageGo toPage

Contract management includes registering contracts,

querying contracts, submitting contracts to the VN system for voting, viewing contract details, deleting pending contracts, downloading approved contracts, and deploying and calling contracts through API interfaces.

### 6.1.3.1 Register Contract

Multiple contracts can be registered in each contract package. Click the "Register Contract" button to register a new contract in the contract package:

Contract Package Name: NumberTwo

Contract Package ID: Prod486ec0301a4dea83d991ed42969e49

Status

Query

Reset

Contract List

Generate Solc Command

Register Contract

Submit

<input type="checkbox"/>	Contract Name	Version	Compiler Version	Contract Code	Submission Time	Status	Action
<input type="checkbox"/>	bbbbbbb	1.0.0	0.8.19	2cb1974adacb4a150ba735595c78fe0e	--	To be deployed	Detail Submit Delete
<input type="checkbox"/>	aaaaaa	1.0.0	0.8.19	ab039df35e844515836fe0e24ec93dde	--	To be deployed	Detail Submit Delete

Enter the Contract Name, Version, choose Compiler Version, Compile EvmVersion, Input File Path, Description, and upload the contract source code package in the popped-up "Register Contract" dialog box. After that, click the "Confirm" button to register the contract successfully.

Register Contract

\* Contract Name

\* Version

\* Compiler Version

\* Compile EvmVersion

\* Input File Path

\* Description

\* Sourcecode Zip File

Cancel
Confirm

### 6.1.3.2 Generate Solc Command

This function prompts users to compile contracts according to the specified command format.

Click the "Generate Solc Command" button to pop up the "Generate Solc Command" dialog box:

Contract Package Name: NumberTwo
Contract Package ID: Prod486eec0301a4dea83d991ed42969e49

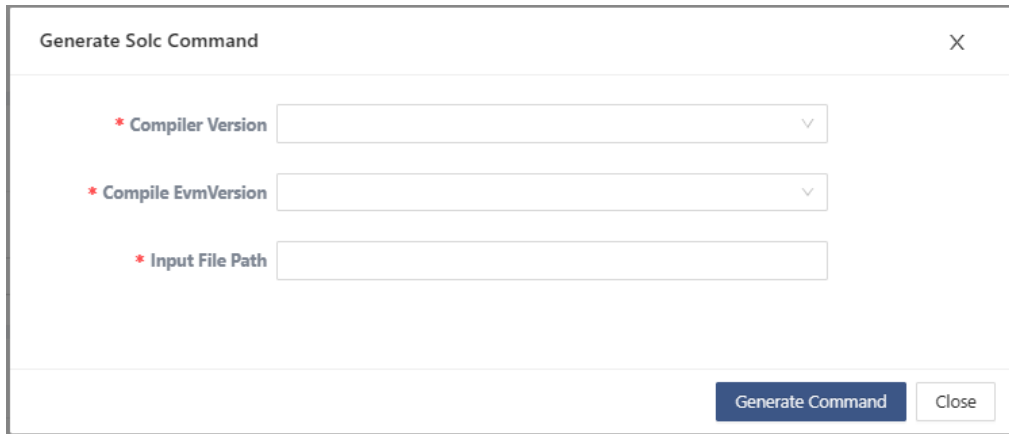
Status

Query
Reset

Contract List

Generate Solc Command
Register Contract
Submit

	Contract Name	Version	Compiler Version	Contract Code	Submission Time	Status	Action
<input type="checkbox"/>	bbbbbbb	1.0.0	0.8.19	2cb1974adacb4a158ba735595c78fe0e	--	To be deployed	Detail Submit Delete
<input type="checkbox"/>	aaaaaa	1.0.0	0.8.19	ab096df35e844515836fe8e24ec93dde	--	To be deployed	Detail Submit Delete



Generate Solc Command

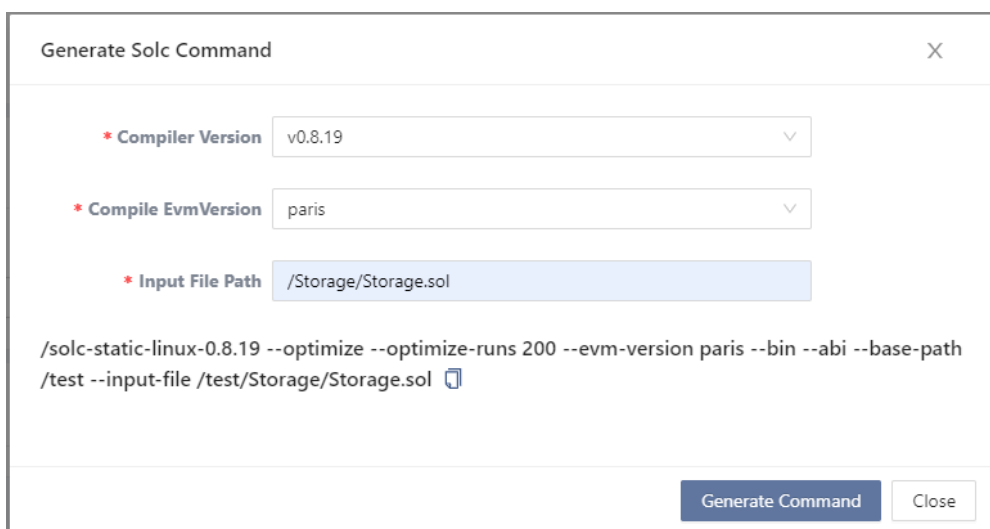
\* Compiler Version

\* Compile EvmVersion

\* Input File Path

Generate Command Close

Select Compiler Version, Compile EvmVersion, enter Input File Path, and then click the "Generate Command" button to generate a compilation command for users. Users need to compile the contract according to this command format.



Generate Solc Command

\* Compiler Version v0.8.19

\* Compile EvmVersion paris

\* Input File Path /Storage/Storage.sol

/solc-static-linux-0.8.19 --optimize --optimize-runs 200 --evm-version paris --bin --abi --base-path /test --input-file /test/Storage/Storage.sol

Generate Command Close

### 6.1.3.3 Submit

In the contract list of the contract package, select one or more contracts in the "To be Submitted" status, and click the "Submit" button to submit to the VN system for voting.

Contract Package Name: projectao001Contract Package ID: Pro416653aeaf824b0db302a3af05cad9a

Status

All

QueryReset

Contract List

Generate Solc CommandRegister ContractSubmit

<input checked="" type="checkbox"/>	Contract Name	Version	Compiler Version	Contract Code	Submission Time	Status	Action
<input checked="" type="checkbox"/>	Test	1.0.0	0.8.19	b20679b9923490180ca59f43bee6b2	--	To be submitted	DetailSubmitDelete

1-1 total 1<1>10 / pageGo toPage

### 6.1.3.4 Query

Users can query contract information based on different contract statuses.

Contract Package Name: projectao001Contract Package ID: Pro416653aeaf824b0db302a3af05cad9a

Status

All

QueryReset

Generate Solc CommandRegister ContractSubmit

All

To be submitted

Voting

Approved

Dedined

Compilation error

Version	Contract Code	Submission Time	Status	Action	
1.0.0	0.8.19	b20679b9923490180ca59f43bee6b2	--	To be submitted	DetailSubmitDelete

1-1 total 1<1>10 / pageGo toPage

### 6.1.3.5 Edit

Select a contract in the "To be submitted" status in the contract list and click the "Edit" button to modify contract information.

Contract List

Generate Solc CommandRegister ContractSubmit

<input type="checkbox"/>	Contract Name	Version	Compiler Version	Contract Code	Submission Time	Status	Action
<input type="checkbox"/>	djgtest0410test2ggggg	1.1.02	0.8.19	0cd4470d11d14c3c953771217dffaee	--	To be submitted	DetailEditSubmitDelete
<input type="checkbox"/>	djgtest0410test2ggggg	1.1.02	v0.8.19	78bdaa7e011a486393d63ae7f589b306	--	To be submitted	DetailEditSubmitDelete
<input type="checkbox"/>	djgtest0410test2ffff	1.1.02	v0.8.19	78cdf834d014dee85190d6acd06a6d9	--	To be submitted	DetailEditSubmitDelete

1-3 total 3<1>10 / pageGo toPage

Register Contract

\*

Contract Name

djgtest0410test2ggggg

\*

Version

1.1.02

\*

Compiler Version

v0.8.19

\*

Compile EvmVersion

paris

\*

Input File Path

/contracts/logic/

\*

Description

this is describe of contract

\*

Sourcecode Zip File

delete

Cancel

Confirm

### 6.1.3.6 Delete

Select a contract in the "To be submitted" or "Declined" status in the contract list and click the "Delete" button to delete the contract information in the contract package.

Contract Package Name: projecttao001

Contract Package ID: Pro416653aea8f24b0db302a3af05cad9a

Status

All

Query

Reset

Contract List

Generate Solc Command

Register Contract

Submit

	Contract Name	Version	Compiler Version	Contract Code	Submission Time	Status	Action
<input checked="" type="checkbox"/>	Test	1.0.0	0.8.19	b2067f9b89923490180ca59f943bee6b2	--	To be submitted	<div>Detail</div> <div>Submit</div> <div>Delete</div>

1-1 total 1

<

1

>

10 / page

Go to

Page

### 6.1.3.7 Download Bin

Select a contract in the "Approved" status in the contract list and click the "Download Bin" button to download the Bin file of the contract.

Contract List

Generate Solc Command

Register Contract

Submit

	Contract Name	Version	Compiler Version	Contract Code	Submission Time	Status	Action
<input type="checkbox"/>	Storage16818627574	1.0	0.8.19	c972960c21a5430291bd5618b84b8c2b	2023-04-18 19:50:29	Approved	<div>Detail</div> <div>Download Bin</div>

1-1 total 1

<

1

>

10 / page

Go to

Page



6.1.3.8 Detail

Select any contract in the contract list and click the "Detail" button to enter the "Detail" page, where users can view the basic information and deployment information of the contract.

Basic Information

Contract Name	tao005	Version	1.1.1.6
Compiler Version	0.8.19	Submission Time	2023-04-19 09:08:17
Status	Approved	Description	test
Sourcecode Zip File	contract.zip	Bin File	contract.bin

Deployment Information

Transaction Hash	Block Number	Block Hash	Contract Address	Status	Deployment Time
0x348f4a2e104d21ce9f2b13d2b8...	361252953	0x6058253255e15c7c8...	0x1fada1fdad6dfb3a77e4927dff1be70d1d2...	Deployment successful	2023-04-19 11:23:50

1-1 total 110 / pageGo toPage

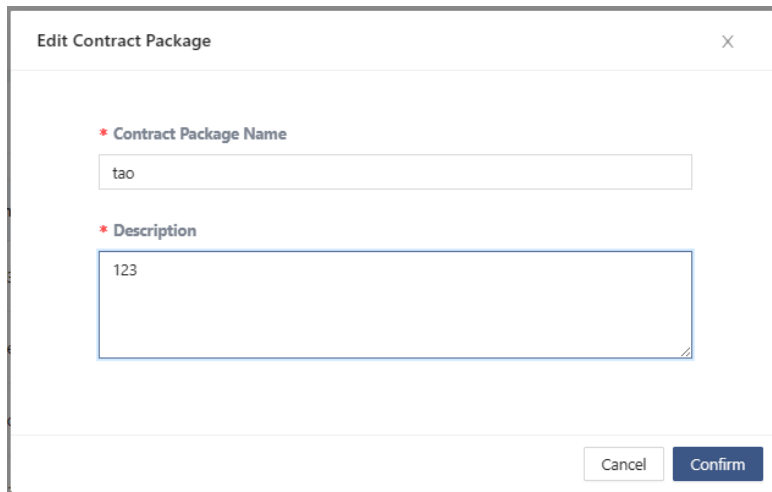
6.1.4 Edit

Click the "Edit" button in the operation column of the "My Contract Packages" page to edit the contract package information:

Contract Package List

+ Create Contract Package

Contract Package Name	Contract Package ID	Description	Creation Time	Action
tao	Pro339d5887f184c35966dd3fd505eb7e9	123	2023-04-18 15:10:46	Action
xu	Proe3bfe842943747e59f472b997e79f1f8	123	2023-04-18 14:34:16	Contract Management Edit Delete Detail
NumberTwo	Prod486eec03071a46a83d991e042969e49	第二个合约包	2023-04-18 10:41:58	
NumberOne	Pro10e49f5e7544bcd3aa69bfe53418027	第一个合约包	2023-04-18 10:40:13	Action



The "Edit Contract Package" dialog box contains two input fields. The first field, labeled "\* Contract Package Name", contains the text "tao". The second field, labeled "\* Description", contains the text "123". At the bottom right, there are two buttons: "Cancel" and "Confirm".

In the "Edit Contract Package" pop-up box, users can modify the Contract Package Name and Description.

### 6.1.5 Delete

Users can click the "Delete" button in the Action column to delete a contract package. If the package contains deployed contracts and Set Code operation has been completed, the package cannot be deleted.



The "Contract Package List" table displays a list of contract packages. The "Action" column for the row with ID "Pro339dd5887f184c35966dd3fd505eb7e9" has a dropdown menu open, showing options: "Action", "Contract Management", "Edit", "Delete" (highlighted with a red box), and "Detail".

Contract Package Name	Contract Package ID	Description	Creation Time	Action
tao	Pro339dd5887f184c35966dd3fd505eb7e9	123	2023-04-18 15:10:46	Action ▾ Contract Management Edit Delete Detail
xu	Proe3bfe842943747e59f472b997e79f1f8	123	2023-04-18 14:34:16	
NumberTwo	Prod486eec0301a4dea83d991e42969e49	第二个合约包	2023-04-18 10:41:58	
NumberOne	Pro1c0e49f5e7544bcd3aa69bfe53418027	第一个合约包	2023-04-18 10:40:13	Action ▾

### 6.1.6 Detail

Users can click the "Detail" button in the Action column to view the details of a contract package:

Contract Package List				
+ Create Contract Package				
Contract Package Name	Contract Package ID	Description	Creation Time	Action
tao	Pro339dd5887184c35966dd3fd505eb7e9	123	2023-04-18 15:10:46	Action
xu	Proe3bfe842943747e59f472b997e79f1f8	123	2023-04-18 14:34:16	Contract Management Edit Delete Detail
NumberTwo	Prod486eec0301a4dea83d991ed42969e49	第二个合约包	2023-04-18 10:41:58	Action
NumberOne	Pro1cd0e49f5e7544bcd3aa69bfe53418027	第一个合约包	2023-04-18 10:40:13	Action

Smart Contract Management / My Contract Packages / Detail

← Detail

Contract Package Name	NumberTwo	Contract Package ID	Prod486eec0301a4dea83d991ed42969e49
Description	第二个合约包		
Creation Time	2023-04-18 10:41:58		

Contracts included in the contract package

Contract Name	Version	Compiler Version	Status
NumberOne	1.0.0	0.8.19	Approved
NumberOne	1.0.0	0.8.19	Approved

On the contract package details page, users can view the basic information of the package and the contracts it contains.

## 6.2My Deployed Packages

On the "My Deployed Packages" page, users can query and view all successfully deployed contracts associated with their account. They can also use the Set Code and Smart Contract Management modules to associate contracts within a package or group contracts by project.

### 6.2.1 Query

Users can input the Contract Address, Contract Name,

Project, Deployment Date, and Transaction Hash, and click the "Query" button to view information about their deployed contracts.

Smart Contract Management / My Deployed Contracts

Query

Contract Address Contract Name Project

Deployment Date Transaction Hash

Start date → End date

Query Reset Hide ^

Deployed Contract List

Contract Address	Deployment Time	Transaction Hash	Contract Code	Contract Name	Project	Action
0xb3b2444b3b973025ca88b39db49384b998f19176	2023-04-18 17:50:02	0x23761561bb2de0f9855f...	--	--		Set Project Set Code Detail
0x87ddc61e295fac4095eb9b329e59c4ef808ea09	2023-04-18 17:51:50	0x48ea1931a6c33a52bd43...	--	--		Set Project Set Code Detail

## 6.2.2 Set Code

Used to link a deployed contract package to the uploaded contract source code package.

On the "Smart Contract Management" -> "My Contract Packages" -> "Contract Management" page, users can copy the "Contract Code" from the list.

Contract Package Name: test000001 Contract Package ID: Pro619d4ab505da419fb039f7a703abbc96

Status

All

Query Reset

Contract List

Generate Solc Command Register Contract Submit

Contract Name	Version	Compiler Version	Contract Code	Submission Time	Status	Action
tao005	1.1.1.6	0.8.19	b77a6443a2b440a1a8a9793f3e478...	2023-04-19 09:08:17	Approved	Detail Download BIN
tao003	1.1.1.3	0.8.19	2cef8ba4247f45e7992b42d576512...	2023-04-18 19:56:16	Approved	Detail Download BIN
tao001	1.1.1	v0.9.19	1a361154e3d4a98bd7062d9144f2...	2023-04-18 19:48:11	Compilation error	Detail

1-3 total 3 1 10 / page Go to Page

On the "My Deployed Packages" page, users can find the

deployed contract corresponding to the original contract and click the "Set Code" button. They can then paste the "Contract Code" copied from the "Contract Management" page to establish the association.

Deployed Contract List

Contract Address	Deployment Time	Transaction Hash	Contract Code	Contract Name	Project	Action
0xb3b2444b3b973025ca88b39db49384b998f19176	2023-04-18 17:50:02	0x23761561bb2de0f9855f...	--	--		Set Project Set Code Detail
0x87ddc61e295fac4895eb9b329e559c4ef808ea09	2023-04-18 17:51:50	0x48ea1931a6c33a52bd43...	--	--		Set Project Set Code Detail
0x1debf14fbccab61ac8d1d75c22084ec761b1c55	2023-04-18 17:53:00	0x2f6c78684db5ba9278d6...	--	--		Set Project Set Code Detail
0x0723aca039626000accbb44d96c1974f9e9392a	2023-04-18 17:59:00	0x8283bb81a2f8574f0ceb...	--	--		Set Project Set Code Detail

1-4 total 4110 / pageGo toPage

Set Code

\* Contract Code

CancelConfirm

6.2.3 Set Project

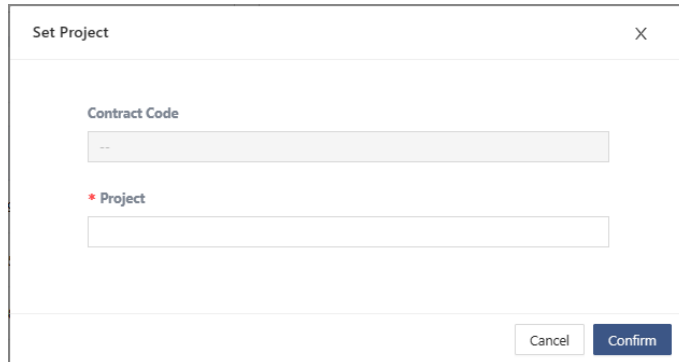
On the "My Deployed Packages" page, users can select a contract from the "Deployed Contract List" and click the "Set Project" button:

Deployed Contract List

Contract Address	Deployment Time	Transaction Hash	Contract Code	Contract Name	Project	Action
0xb3b2444b3b973025ca88b39db49384b998f19176	2023-04-18 17:50:02	0x23761561bb2de0f9855f...	--	--		Set Project Set Code Detail
0x87ddc61e295fac4895eb9b329e559c4ef808ea09	2023-04-18 17:51:50	0x48ea1931a6c33a52bd43...	--	--		Set Project Set Code Detail
0x1debf14fbccab61ac8d1d75c22084ec761b1c55	2023-04-18 17:53:00	0x2f6c78684db5ba9278d6...	--	--		Set Project Set Code Detail
0x0723aca039626000accbb44d96c1974f9e9392a	2023-04-18 17:59:00	0x8283bb81a2f8574f0ceb...	--	--		Set Project Set Code Detail

1-4 total 4110 / pageGo toPage

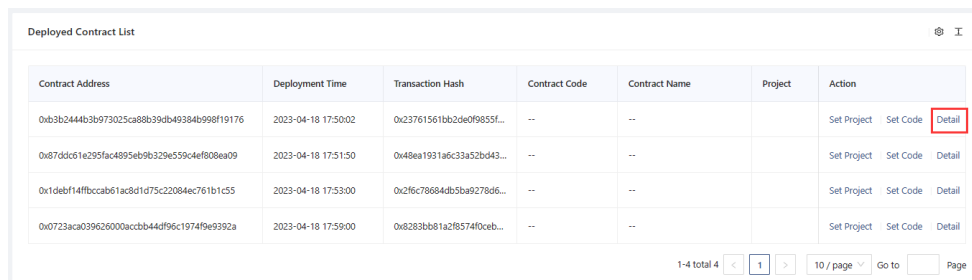
In the "Set Project" dialog box, users can enter the project name and click "Confirm" to successfully set the project.



The "Set Project" dialog box is a light gray window with a close button (X) in the top right corner. It contains two input fields: "Contract Code" with a placeholder "--" and "Project" with a red asterisk icon and a placeholder. At the bottom right, there are two buttons: "Cancel" and "Confirm".

## 6.2.4 Detail

On the "My Deployed Packages" page, users can select a contract from the "Deployed Contract List" and click the "Detail" button:



The "Deployed Contract List" table displays a list of deployed contracts with columns for Contract Address, Deployment Time, Transaction Hash, Contract Code, Contract Name, Project, and Action. The "Detail" button in the Action column of the first row is highlighted with a red box.

Contract Address	Deployment Time	Transaction Hash	Contract Code	Contract Name	Project	Action
0xb3b2444b3b973025ca88b39db49394b999f19176	2023-04-18 17:50:02	0x23761561bb2de0f9855f...	--	--		Set Project Set Code <b>Detail</b>
0x87ddc61e295fac4895eb9b329e559c4ef808ea09	2023-04-18 17:51:50	0x48ea1931a5c33a52bd43...	--	--		Set Project Set Code Detail
0x1deb114ffbcbab61ac8d1d75c22084ec761b1c55	2023-04-18 17:53:00	0x2f6c78684db5a9278d6...	--	--		Set Project Set Code Detail
0x0723aca03962600accbb44df96c1974f9e9392a	2023-04-18 17:59:00	0x8283bb81a2f8574f0ceb...	--	--		Set Project Set Code Detail

1-4 total 4 < 1 > 10 / page Go to Page

On the "Detail" page, users can view detailed information about the deployed contract, including basic information and deployment details.

Smart Contract Management / My Deployed Contracts / Detail

← Detail

Basic Information

Contract Name	tac005	Version	1.1.1.6
Compiler Version	0.8.19	Description	test
Project	456	Sourcecode Zip File	contract.zip
Bin File	contract.bin	Submission Time	2023-04-19 09:08:17
Status	Approved		

Deployment Information

Transaction Hash	0x348f4a2e104d21ce9f2b13d2b8c3974d5306a06e854d7679e366cbb18976012d	Block Number	361252953
Block Hash	0x6058253255e15c7c8a26067513c1b8dbe2124b587b51b0aa95c9fb7e4b251b3	Contract Address	0x1fada1fdad86fb3a77e4927fd11be70d1d23a85a
Status	Deployment successful	Deployment Time	2023-04-19 11:23:50

## 7. Transaction Management

Users can query transaction information submitted from the BN node here.

### 7.1 Event logs

#### 7.1.1 Query

On the "Event Logs" page, users can enter one or more search criteria, including From Block Number, To Block Number, Contract Address, and Transaction Hash. Clicking the "Query" button will return matching event logs.

Query

From Block Number

1222

To Block Number

Contract Address

Transaction Hash

Query

Reset

Hide ^

Event Logs

Block Number	Block Hash	Log Index	Transaction Hash	Contract Address	Action
15891340	0x7864fcdab6565a6fa05f3c4370e...	0	0x7870183a71a791a8f586f929f28a9f00c5ae03781a78a0eb308fcc979802483	0x081997d6b7719f1facd724ab8849e985ee58...	<a href="#">Detail</a>
15891340	0x7864fcdab6565a6fa05f3c4370e...	1	0x7870183a71a791a8f586f929f28a9f00c5ae03781a78a0eb308fcc979802483	0x081997d6b7719f1facd724ab8849e985ee58...	<a href="#">Detail</a>
15891340	0x7864fcdab6565a6fa05f3c4370e...	2	0x7870183a71a791a8f586f929f28a9f00c5ae03781a78a0eb308fcc979802483	0x081997d6b7719f1facd724ab8849e985ee58...	<a href="#">Detail</a>
15891279	0x5e18e3026af08054378bdc27ae...	0	0x7fdd7daff3c73be1f855d5e554a452c57a3c4466ba37a4fc6a8222abb40613a3	0x3b1b7e4c31f4017f2127192c75d3020f99c06...	<a href="#">Detail</a>
15891279	0x5e18e3026af08054378bdc27ae...	1	0x7fdd7daff3c73be1f855d5e554a452c57a3c4466ba37a4fc6a8222abb40613a3	0x3b1b7e4c31f4017f2127192c75d3020f99c06...	<a href="#">Detail</a>

## 7.1.2 Detail

In the “Event Logs” list, users can select a data record and click the “Detail” button in the action column:

Event Logs						<div><div></div><div></div></div>
Block Number	Block Hash	Log Index	Transaction Hash	Contract Address	Action	
15891340	0x7864fcdab6565a6fa05f3c4370e...	0	0x7870183a71a791a8f586f929f28a9f00c5ae03781a78a0eb308fcc979802483	0x081997d6b7719f1facd724ab8849e985ee58...	<a href="#">Detail</a>	
15891340	0x7864fcdab6565a6fa05f3c4370e...	1	0x7870183a71a791a8f586f929f28a9f00c5ae03781a78a0eb308fcc979802483	0x081997d6b7719f1facd724ab8849e985ee58...	<a href="#">Detail</a>	
15891340	0x7864fcdab6565a6fa05f3c4370e...	2	0x7870183a71a791a8f586f929f28a9f00c5ae03781a78a0eb308fcc979802483	0x081997d6b7719f1facd724ab8849e985ee58...	<a href="#">Detail</a>	
15891279	0x5e18e3026af08054378bdc27ae...	0	0x7fdd7daff3c73be1f855d5e554a452c57a3c4466ba37a4fc6a8222abb40613a3	0x3b1b7e4c31f4017f2127192c75d3020f99c06...	<a href="#">Detail</a>	

On the “Detail” page, users can view detailed information about the event log.



[← Detail](#)

Block Number	15891340	Block Hash	0x7864fcdab6565a6fa05f3c4370e177808bf56a3eb40d10e66a177ecf2a353982
Log Index	0	Transaction Hash	0x7870183a71a791a8f586f929f928a9f00c5ae03781a78a0eb308fcc979802483
Contract Address	0x081997d6b7719f1facd724ab8849e985ee58db8e		
Original Block Message	<pre>{   "blockHash": "0x7864fcdab6565a6fa05f3c4370e177808bf56a3eb40d10e66a177ecf2a353982",   "logIndexRaw": "0x0",   "transactionIndexRaw": "0x0",   "address": "0x081997d6b7719f1facd724ab8849e985ee58db8e",   "blockNumberRaw": "0xf27b8c",   "logIndex": 0,   "data": "0x",   "removed": false,   "topics": [     "0xbc7cd75a20ee27fd9adebab32041f755214dbc6bffa90cc0225b39da2e5c2d3b",     "0x00"   ],   "blockNumber": 15891340,   "transactionIndex": 0,   "transactionHash": "0x7870183a71a791a8f586f929f928a9f00c5ae03781a78a0eb308fcc979802483" }</pre>		

## 7.2 Transactions

### 7.2.1 Query

On the “Transactions” page, users can enter one or more search criteria, including Contract Address, Transaction Hash, Transaction Type, and Transaction Date. Clicking the “Query” button will return matching transactions.

Query

Contract Address

Transaction Hash

Transaction Type

All

Transaction Date

Start date → End date

Query

Reset

Hide ^

Transactions

Contract Address	Transaction Hash	Transaction Type	Transaction Result	Transaction Time
0x11cc41a251cdde49a790f086fc533808d7f05da9	0x7c0bd1f345ff70174ebd804ee65f010690e70fb01a49f4e2606f9c1ccaa2448	Contract Call	Success	2023-04-19 15:26:48
0x11cc41a251cdde49a790f086fc533808d7f05da9		Contract Call	Success	2023-04-19 15:23:38
0x11cc41a251cdde49a790f086fc533808d7f05da9	0xb319d59961316dc0b5cee0c815c703840d0ab108ea479235c3177d46d2049...	Contract Call	Success	2023-04-19 15:23:24
0x11cc41a251cdde49a790f086fc533808d7f05da9		Contract Call	Success	2023-04-19 15:23:13

### 7.2.2 Transaction Receipt

In the “Transactions” list, users can click the “Transaction Hash” to view the transaction receipt associated with that transaction.

Query

Contract Address

Transaction Hash

Transaction Type

All

Transaction Date

Start date

→

End date

Query

Reset

Hide

Transactions

Contract Address	Transaction Hash	Transaction Type	Transaction Result	Transaction Time
0xfcaa46d5e74404f4372fc42802495507e56b80	0x5b19b796b8c51068a71102536bbde96fb11352812251950154e7836b383a8...	Contract Call	Success	2023-04-19 15:16:21
0xfcaa46d5e74404f4372fc42802495507e56b80	0xfbcc2878246b41382ef9c08b7d5a7fc204801eb1402093fe39411d21444635e...	Contract Deployment	Success	2023-04-19 15:15:03
--	0x72359a0c17c5f1a5998a1c2fd2a2037423b163af5be44238ddc37b398c101c...	Contract Deployment	Fail	2023-04-19 15:07:13
--	0x15677346e0adcaa43e9eefc5ec01118362c18d23f696394529fbedd187a2e...	Contract Deployment	Fail	2023-04-19 15:06:23
--	0xee8709c946dc1a0e0ed00bca317714153b66449355fa03dd215be9e01b6d8...	Contract Deployment	Fail	2023-04-19 15:05:46

← Receipt

[illegible]