

# Dashboard APIs

Using these APIs allow you to perform various actions without the need to access the dashboard UI manually.

## Auth Token

To obtain an authToken required in the header, you can generate one in your account settings page on the [biconomy dashboard](#).

### 1. Get list of Paymasters:

GET Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster>

Parameters

Header

Param	Type	Description	Required	authToken	string	Token	unique to every user account	Required	Responses
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200	OK	{ "statusCode": 200, "message": "DApp list fetched", "data": [ { "name": "setQuote", "chainId": 80001, "apiKey": "IU3R_dRgt.22c06266-1faa-4c47-8477-e8eaacd90330" }, { "name": "setQuote", "chainId": 137, "apiKey": "rEEgKf5DS.a4e4f2c9-de7e-4a13-ac2d-6a9120714d61" } ] }							
401	Unauthorized	{ "statusCode": 401, "message": "Auth token and API key is required in the headers" }							

### 2. Create a new Paymaster:

POST Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster>

Parameters

Header

Param	Type	Description	Required	authToken	string	Token	unique to every user account	Required	Body
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200	OK	{ "statusCode": 200, "message": "DApp registered successfully", "data": { "name": "setQuoteMumbai", "chainId": 80001, "apiKey": "vrTVKqTZI.7ea9dae1-9a06-4c17-a4fb-7728177b76d3" } }							
400	Bad Request	Paymaster Name Already Exists							

{ "statusCode": 400, "message": "paymaster_name_exists" }	400	Bad Request	Chain Id not supported
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{ "statusCode": 400, "message": "Chain ID not supported" }	401	Unauthorized	{ "statusCode": 401, "message": "Auth token is required in the headers" }
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To manage the smart contracts associated with your DApp, we provide a set of endpoints that allow you to perform actions such as adding, updating, deleting, and retrieving a list of smart contracts. To access these endpoints, you will need to include the "apiKey" parameter in the header of your requests along with the "authToken".

The "apiKey" can be obtained in two ways:

When creating your DApp, you will receive an "apiKey" as part of the registration process.

Alternatively, if you already have a DApp registered, you can find the "apiKey" in the list API of the DApp.

### 3. Whitelist a Smart Contract:

POST Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/smart-contract>

Parameters

Header

Param	Type	Description	Required	authToken	string	Token	unique to every user account	Required	apiKey	string	API Key	Associated with dApp	Required	Body
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Param	Type	Description	Required	name	string	Unique name of smart contract	Required	address	string	Address of smart contract	Required	abi	string	Stringified ABI of smart contract	Required	whitelistedMethods	array of strings	List of method names of smart contract which are to be sponsored by DApp	Optional	Responses
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200 OK { "statusCode": 200, "message": "Smart contract registered successfully" } 400 Bad Request Smart Contract Already Exists

{ "statusCode": 400, "message": "Smart contract address already exists" } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

#### 4. Get List of Smart Contracts:

GET Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/smart-contract>

Parameters

Header

Param Type Description Required authToken string Token unique to every user account Required apiKey string API Key Associated with dApp Required 200 OK { "statusCode": 200, "message": "Smart contract list fetched", "data": [ { "name": "Set Quote", "address": "0xe31b0bcbda693bff2529f4a1d9f7e8f6d924c6ab", "abi": "[ { \"inputs\": [ { \"internalType\": \"string\", \"name\": \"newQuote\", \"type\": \"string\" } ], \"name\": \"setQuote\", \"outputs\": [], \"stateMutability\": \"nonpayable\", \"type\": \"function\" }, { \"inputs\": [], \"stateMutability\": \"nonpayable\", \"type\": \"constructor\" }, { \"inputs\": [], \"name\": \"admin\", \"outputs\": [ { \"internalType\": \"address\", \"name\": \"\", \"type\": \"address\" } ], \"stateMutability\": \"view\", \"type\": \"function\" }, { \"inputs\": [], \"name\": \"getQuote\", \"outputs\": [ { \"internalType\": \"string\", \"name\": \"currentQuote\", \"type\": \"string\" }, { \"internalType\": \"address\", \"name\": \"currentOwner\", \"type\": \"address\" } ], \"stateMutability\": \"view\", \"type\": \"function\" }, { \"inputs\": [], \"name\": \"owner\", \"outputs\": [ { \"internalType\": \"address\", \"name\": \"\", \"type\": \"address\" } ], \"stateMutability\": \"view\", \"type\": \"function\" }, { \"inputs\": [], \"name\": \"quote\", \"outputs\": [ { \"internalType\": \"string\", \"name\": \"\", \"type\": \"string\" } ], \"stateMutability\": \"view\", \"type\": \"function\" } ]\", \"whitelistedMethods\": [ \"setQuote\" ], \"methods\": [ \"setQuote\" ] } } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

#### 5. Update Smart Contract Whitelisted Methods:

PATCH Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/smart-contract>

Parameters

Header

Param Type Description Required authToken string Token unique to every user account Required apiKey string API Key Associated with dApp Required Body

Param Type Description Required address string Smart contract address Required whitelistedMethods array of strings List of method names of smart contract which are to be sponsored by DApp Required Responses

200 OK { "statusCode": 200, "message": "Smart contract updated", "data": { "name": "Set Quote", "address": "0xe31b0bcbda693bff2529f4a1d9f7e8f6d924c6ab", "abi": "[ { \"inputs\": [ { \"internalType\": \"string\", \"name\": \"newQuote\", \"type\": \"string\" } ], \"name\": \"setQuote\", \"outputs\": [], \"stateMutability\": \"nonpayable\", \"type\": \"function\" }, { \"inputs\": [], \"stateMutability\": \"nonpayable\", \"type\": \"constructor\" }, { \"inputs\": [], \"name\": \"admin\", \"outputs\": [ { \"internalType\": \"address\", \"name\": \"\", \"type\": \"address\" } ], \"stateMutability\": \"view\", \"type\": \"function\" }, { \"inputs\": [], \"name\": \"getQuote\", \"outputs\": [ { \"internalType\": \"string\", \"name\": \"currentQuote\", \"type\": \"string\" }, { \"internalType\": \"address\", \"name\": \"currentOwner\", \"type\": \"address\" } ], \"stateMutability\": \"view\", \"type\": \"function\" }, { \"inputs\": [], \"name\": \"owner\", \"outputs\": [ { \"internalType\": \"address\", \"name\": \"\", \"type\": \"address\" } ], \"stateMutability\": \"view\", \"type\": \"function\" }, { \"inputs\": [], \"name\": \"quote\", \"outputs\": [ { \"internalType\": \"string\", \"name\": \"\", \"type\": \"string\" } ], \"stateMutability\": \"view\", \"type\": \"function\" } ]\", \"whitelistedMethods\": [ \"setQuote\" ], \"methods\": [ \"setQuote\" ] } }

} 400 Bad Request Whitelisted methods must be an array

{ "statusCode": 400, "message": "whitelistedMethods must be an array" } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" } 404 Not Found Usually, this occurs when incorrect apiKey is used or the address is not added

{ "statusCode": 400, "message": "Smart contract not found" }

#### 6. Update Sponsorship Paymaster Funding Wallet:

It is a 3-step process.

1. Generate a message from biconomy servers, for the sponsorship paymaster.

GET Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/funding-message/{{paymasterId}}>

#### Headers

Param	Type	Description	Required	authToken	string	Token unique to every user account	Required	apiKey	string	API Key Associated with dApp	Required	Responses
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200 OK { "statusCode": 200, "message": "Funding message sent", "data": { "fundingMessage": "Timestamp: November 27, 2023, 5:05 PM\nWelcome to Biconomy! This request will connect your gas tank to our app. It will not trigger a blockchain transaction or incur any fees." } } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

2. Sign the generated message using the private key of the EOA (Funding Wallet).

3. Send the request to biconomy to update the funding wallet address.

PATCH Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster>

#### Parameters

##### Header

Param	Type	Description	Required	authToken	string	Token unique to every user account	Required	apiKey	string	API Key Associated with dApp	Required	Body
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Param Type Description Required paymasterId string Sponsorship Paymaster Id Required type string Method Name. Use "paymasterFundingId" here Required signature string Signature generated using private key of EOA Required address string Address of the EOA which is to be updated as funding wallet Required Responses

200 OK { "statusCode": 200, "message": "Paymaster updated successfully", "data": { "name": "testXXX", "chainId": 80001, "apiKey": "GwfDKydYq.2967f140-XXXX-4042-XXXX-76684f9XXXX", "paymasterId": "e998530d-XXXX-451e-XXXX-cb6fXXXXef54" } } 400 Bad Request This happens, when there is a signature mismatch, either because an older message is used to generate the signature, or EOA address mentioned in the request body, is not the address which signed the message.

{ "statusCode": 400, "message": "Invalid signature" } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" } 404 Not Found Usually, this occurs when incorrect apiKey or authToken is used

{ "statusCode": 404, "message": "User not found" }

## 7. Delete Smart Contract

DELETE Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/smart-contract>

#### Parameters

##### Header

Param	Type	Description	Required	authToken	string	Token unique to every user account	Required	apiKey	string	API Key Associated with dApp	Required	Body
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Param Type Description Required address string Smart contract address Required Responses

200 OK { "statusCode": 200, "message": "Smart contract deleted" } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" } 404 Not Found { "statusCode": 400, "message": "Smart contract not found" }

## 8. Add spending limit rule to a paymaster

POST Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster-policy>

#### Parameters

##### Header

Param	Type	Description	Required	authToken	string	Token unique to every user account	Required	apiKey	string	API Key Associated with dApp	Required	Body
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Param Type Description Required name string Unique Policy name Required policyType string Pass "PAYMASTER\_SA\_LIMIT" for spending limit Required policyData object Described below Required Policy Data

Param Type Description Required type string "PAYMASTER"(Global limit) / "SMART\_ACCOUNT" (Individual User Limit)  
Required cycleDuration object eg.{value:3, unit: "hour"} ,{value:2, unit: "day"} . Currently only supported time units are "hour" and "day" Required threshold number Limit Value Required thresholdType type "COUNT" (Number of Userops) / "NATIVE\_ASSET" (Gas Spend in native token, in eth) Required Responses 200 OK { "statusCode": 200, "message": "Paymaster Policy created successfully", "data": { "\_id": "xxxxx-xxxx-xxxx-xxxx-xxxx", "name": "paymaster limit", "policyType": "PAYMASTER\_SA\_LIMIT", "organisationId": "xxxxx-xxxx-xxxx-xxxx-xxxx", "paymasterId": "xxxxx-xxxx-xxxx-xxxx-xxxx", "createdBy": "xxxxx-xxxx-xxxx-xxxx-xxxx", "chainId": 84532, "active": true, "policyData": { "type": "PAYMASTER", "startTimelnEpoch": 1709053430301, "durationInMs": 10800000, "cycleDuration": { "value": 3, "unit": "hour" }, "threshold": 10, "thresholdType": "COUNT" } } } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

## 9. Add a webhook rule to the paymaster

POST Request URL:<https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster-policy>

Parameters

Header

Param Type Description Required authToken string Token unique to every user account Required apiKey string API Key Associated with dApp Required Body

Param Type Description Required name string Unique Policy name Required policyType string Pass "WEBHOOK" for webhook rule Required policyData object Described below Required Policy Data

Param Type Description Required url string Webhook URL which will be sent a POST request with the webhook data, and userOp Required Responses

200 OK { "statusCode": 200, "message": "Paymaster Policy created successfully", "data": { "\_id": "xxxxx-xxxx-xxxx-xxxx-xxxx", "name": "webhook rule", "policyType": "WEBHOOK", "organisationId": "xxxxx-xxxx-xxxx-xxxx-xxxx", "paymasterId": "xxxxx-xxxx-xxxx-xxxx-xxxx", "createdBy": "xxxxx-xxxx-xxxx-xxxx-xxxx", "chainId": 84532, "active": true, "policyData": { "url": "https://www.google.com" }, } } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

## 10. Add a "Wallet Deployment" rule to the paymaster

POST Request URL:<https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster-policy>

Parameters

Header

Param Type Description Required authToken string Token unique to every user account Required apiKey string API Key Associated with dApp Required Body

Param Type Description Required name string Unique Policy name Required policyType string Pass "WALLET\_DEPLOYMENT" Required policyData object Pass empty object ({} ) Required Responses

200 OK { "statusCode": 200, "message": "Paymaster Policy created successfully", "data": { "\_id": "xxxxx-xxxx-xxxx-xxxx-xxxx", "name": "wallet deployment rule", "policyType": "WALLET\_DEPLOYMENT", "organisationId": "xxxxx-xxxx-xxxx-xxxx-xxxx", "paymasterId": "xxxxx-xxxx-xxxx-xxxx-xxxx", "createdBy": "xxxxx-xxxx-xxxx-xxxx-xxxx", "chainId": 84532, "active": true, "policyData": { "operator": "walletDeployment" }, } } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

## 11. Get all rules for a paymaster (spending limit, webhook, wallet deployment, whitelisted contracts)

GET Request URL:<https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster-policy>

Parameters

Header

Param Type Description Required authToken string Token unique to every user account Required apiKey string API Key Associated with dApp Required Responses

200 OK { "statusCode": 200, "message": "Paymaster Policies found!", "data": [ { "\_id": "xxxxx-xxxx-xxxx-xxxx-xxxx", "name": "paymaster spending limit", "policyType": "PAYMASTER\_SA\_LIMIT", "organisationId": "xxxxx-xxxx-xxxx-xxxx-xxxx",

xxxxx", "paymasterId": "xxxxx-xxxx-xxxx-xxxx-xxxxx", "createdBy": "xxxxx-xxxx-xxxx-xxxx-xxxxx", "chainId": 84532, "active": true, "policyData": { "type": "PAYMASTER", "startTimeInEpoch": 1709053430301, "durationInMs": 10800000, "cycleDuration": { "value": 3, "unit": "hour" }, "threshold": 10, "thresholdType": "COUNT" } }, { "\_id": "xxxxx-xxxx-xxxx-xxxx-xxxxx", "name": "wallet deployment rule", "policyType": "WALLET\_DEPLOYMENT", "organisationId": "xxxxx-xxxx-xxxx-xxxx-xxxxx", "paymasterId": "xxxxx-xxxx-xxxx-xxxx-xxxxx", "createdBy": "xxxxx-xxxx-xxxx-xxxx-xxxxx", "chainId": 84532, "active": true, "policyData": { "operator": "walletDeployment" } } ] } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

## 12. Update spending limit rule for a paymaster

PATCH Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster-policy/limit/:policyId>

Parameters

Header

Param Type Description Required authToken string Token unique to every user account Required apiKey string API Key Associated with dApp Required Body

Param Type Description Required name string New Policy name cycleDuration string updated cycle duration threshold number New spending limit threshold thresholdType string New spending limit type Responses

200 OK { "statusCode": 200, "message": "Paymaster Limit updated" } On a successful update, the cycle of the spending limit will be reset and the new limit will be applied from the time of the update.

{ "statusCode": 200, "message": "Paymaster Limit updated" } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

## 12. Pause a paymaster rule

PATCH Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster-policy/deactivate/:policyId>

Parameters

Header

Param Type Description Required authToken string Token unique to every user account Required apiKey string API Key Associated with dApp Required Responses

200 OK { "statusCode": 200, "message": "Paymaster Policy Deactivated!" } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" }

## 13. Unpause a paymaster rule

PATCH Request URL: <https://paymaster-dashboard-backend.prod.biconomy.io/api/v2/public/sdk/paymaster-policy/activate/:policyId>

Parameters

Header

Param Type Description Required authToken string Token unique to every user account Required apiKey string API Key Associated with dApp Required Responses

200 OK { "statusCode": 200, "message": "Paymaster Policy Activated!" } 401 Unauthorized { "statusCode": 401, "message": "Auth token and API key is required in the headers" } [Previous Organizations](#) [Next Troubleshooting](#)