

DID Phase 2 Test API (1.0)

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This is a sample server for DID ServiceEndpoint.

Create DID

Create a DID using method and public key.

AUTHORIZATIONS: > *ApiKeyAuth*

REQUEST BODY SCHEMA: application/json
required

Create DID request

method	string
public_key_base58	string

Responses

- > 200 ok" example({"did":"did:byd50:1234567890abcdef"})
- > 400 bad request" example({"code":"INVALID_PARAM","message":"method and public_key_base58 are required"})
- > 500 internal error" example({"code":"INTERNAL_ERROR","message":"failed to create did"})

POST

/testapi/create-did

▼

Request samples

Payload

Content type
application/json

```
{
  "method": "byd50",
  "public_key_base58": "3VZ6oJdR8i1qKX7kH3Yv9d7w7wzgn..."
}
```

Response samples

200

400

500

Content type

application/json

Copy

```
{
  "did": "did:byd50:1234567890abcdef"
}
```

Get DID Public Key

Resolve a DID and return its public key (Base58).

AUTHORIZATIONS: >*ApiKeyAuth*PATH PARAMETERS

→ some_id	string
required	DID

Responses

> **200** ok" example({"publicKeyBase58":"3VZ6oJdR8i1qKX7kH3Yv9d7w7wzgn..."})

> **400** bad request" example({"code":"INVALID_PARAM","message":"did is required"})

> **404** not found" example({"code":"NOT_FOUND","message":"public key not found"})

GET /testapi/get-did-public-key/{some_id}



Response samples

- 200
- 400
- 404

Content type

application/json

Copy

```
{
  "publicKeyBase58": "3VZ6oJdR8i1qKX7kH3Yv9d7w7wzgn..."
}
```

Get DID Document

Resolve a DID and return its DID Document.

AUTHORIZATIONS: > ApiKeyAuth

PATH PARAMETERS	
some_id	string
required	DID

Responses

- > 200 ok" example({"document":"...did document json..."})
- > 400 bad request" example({"code":"INVALID_PARAM","message":"did is required"})
- > 404 not found" example({"code":"NOT_FOUND","message":"did document not found"})

GET /testapi/get-did/{some_id}

Response samples

- 200
- 400
- 404

Content type

application/json

```
{  
  "document": "{\\\\"@context\\\\":[\\\\"https://www.w3.org/ns/did/v1\\\\"],\\\\"id\\\\":\\\"
```

Create VC

Create a Verifiable Credential (JWT) signed by the issuer's private key.

AUTHORIZATIONS: > *ApiKeyAuth*

REQUEST BODY SCHEMA: application/json
required

Create VC request

credential_subject >	object
expires_in_minutes	integer
issuer	string
kid	string
pv_key_base58	string
subject	string
type	string

Responses

> **200** ok" example({"vc_jwt":"eyJhbGciOi..."})

> **400**

bad request" example({"code":"INVALID_PARAM","message":"kid, pv_key_base58, and credential_subject are required"})

> **500** internal error" example({"code":"INTERNAL_ERROR","message":"failed to create vc"})

Request samples

Payload

Content type
application/json

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```
{
  "credential_subject": { },
  "expires_in_minutes": 5,
  "issuer": "http://demo-issuer.example",
  "kid": "did:byd50:1234567890abcdef",
  "pv_key_base58": "3VZ6oJdR8ilqKX7kH3Yv9d7w7wzgn...",
  "subject": "did:byd50:holder123",
  "type": "AlumniCredential"
}
```

Response samples

200 400 500

Content type
application/json

Copy

```
{
  "vc_jwt": "eyJhbGciOiJIJFZlIiwiaXNjaWkiOiJkZD50YXN0IiwiaWF0IjoxNjM0NTY3ODk5LCJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
}
```

Verify VC

Verify a VC (JWT) using DID resolver for public key lookup.

AUTHORIZATIONS: > ApiKeyAuth

REQUEST BODY SCHEMA: application/json
required

Verify VC request

vc_jwt string

Responses

> **200** ok" example({"valid":true})

> **400** bad request" example({"code":"INVALID_PARAM","message":"vc_jwt is required"})

POST /testapi/vc/verify



Request samples

Payload

Content type
application/json

Copy

```
{
  "vc_jwt": "eyJhbGciOiJFUzI1NiIsInR5cCI6IkpXVCJ9..."
}
```

Response samples

200

400

Content type
application/json

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```
{
  "error": "signature invalid",
  "valid": true
}
```

Create VP

Create a Verifiable Presentation (JWT) from VC JWTs.

AUTHORIZATIONS: > *ApiKeyAuth*

REQUEST BODY SCHEMA: application/json
required

Create VP request

expires_in_minutes	integer
holder_id	string
issuer	string
pv_key_base58	string
subject	string
type	string
vc_jwts	Array of strings

Responses

> 200 ok" example({"vp_jwt":"eyJhbGciOi..."})

> 400
bad request" example({"code":"INVALID_PARAM","message":"holder_id, pv_key_base58, and vc_jwts are required"})

> 500 internal error" example({"code":"INTERNAL_ERROR","message":"failed to create vp"})

POST

/testapi/vp/create

▼

Request samples

Payload

Content type

application/json

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```
{
  "expires_in_minutes": 5,
  "holder_did": "did:byd50:holder123",
  "issuer": "client make this vp",
  "pv_key_base58": "3VZ6oJdR8ilqKX7kH3Yv9d7w7wzgn...",
  "subject": "did:byd50:holder123",
  "type": "CredentialManagerPresentation",
  - "vc_jwts": [
    "string"
  ]
}
```

Response samples

200

400

500

Content type

application/json

Copy

```
{
  "vp_jwt": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
}
```

Verify VP

Verify a VP (JWT) using DID resolver for public key lookup.

AUTHORIZATIONS: > *ApiKeyAuth*

REQUEST BODY SCHEMA: application/json
required

Verify VP request

vp_jwt string

Responses

> 200 ok" example({"valid":true})

> 400 bad request" example({"code":"INVALID_PARAM","message":"vp_jwt is required"})

POST /testapi/vp/verify



Request samples

Payload

Content type

application/json

Copy

```
{
  "vp_jwt": "eyJhbGciOiJFUzI1NiIsInR5cCI6IkpXVCJ9..."
}
```

Response samples

200

400

Content type

application/json

Copy

```
{
  "error": "signature invalid",
  "valid": true
}
```