

[Suggest Edits](#)

1. Initialization call
2. Manifest call
3. Verification call

## Verite verification flow

The verification flow starts with the initialization call.

### Endpoint

POST: /verifications

### Query

Its query contains the network and the chainId to help the verifier server decide which blockchain to use. Subject is the DeFi application's address on that blockchain.

Initialization Query Payload { "network": "ethereum", "chainId": 1337, "subject": "0xf39fd6e51aad88f6f4ce6ab8827279cfffb92266" }

### Response

The response contains two fields: `challengeTokenUrl` and `statusUrl` . `challengeTokenUrl` is for the manifest call and `statusUrl` is for asynchronous status checks.

```
Initialization Response { 'challengeTokenUrl': 'https://verifier-sandbox.circle.com/api/v1/verifications/14b2ade1-389c-4acc-87c6-89d96c95af28', 'statusUrl': 'https://verifier-sandbox.circle.com/api/v1/verifications/14b2ade1-389c-4acc-87c6-89d96c95af28/status' }
```

## Manifest call

**Endpoint**

GET: /verifications/{id}

The Manifest step calls the `challengeTokenUrl` from the initialization call's response. It is a GET call without additional parameters.

### Response

The response is a manifest list that the server accepts. It contains many meta fields as well as fields that should be carried to the verification call.

Manifest call response { "id": "14b2ade1-389c-4acc-876c-89d96c95af28", "type": "https://circle.com/types/VerificationRequest", "from": "did:web:circle.com", "created\_time": "2022-09-26T18:42:17.687Z", "expires\_time": "2022-10-26T18:42:17.687Z", "reply\_url": "https://verifier-sandbox.circle.com/api/v1/verifications/14b2ade1-389c-4acc-876c-89d96c95af28/status", "challenge": "126c210d-f458-eac7-a0d2-0e0a2b8aac42", "presentation\_definition": { "id": "14b2ade1-389c-4acc-876c-89d96c95af28", "format": { "jwt": { "alg": [ "EdDSA", "ES256K" ] }, "jwt\_vp": { "alg": [ "EdDSA", "ES256K" ] } }, "input\_descriptors": { { "id": "kypbaml\_input", "name": "Proof of KYBP", "schema": { { "uri": "https://verite.id/definitions/processes/kycaml/0.0.1/generic-usa-legal\_person", "required": true } }, "purpose": "Please provide a valid credential from a KYBP/AML issuer", "constraints": { "fields": { { "path": [ "issuer.id", "issuer", "vc.issuer", ".iss" ], "filter": { "type": "string", "pattern": "did:web:issuer-sandbox.circle.com/\*did.web.assets.circle.com" }, "purpose": "The issuer of the credential must be trusted", "predicate": "required" }, { "path": [ ".credentialSubject.KYBPAMLAttestation.process", "vc.credentialSubject.KYBPAMLAttestation.process", ".KYBPAMLAttestation.process" ], "filter": { "type": "string", "purpose": "The process used for KYBP/AML", "predicate": "required" }, { "path": [ ".credentialSubject.KYBPAMLAttestation.approvalDate", "vc.credentialSubject.KYBPAMLAttestation.approvalDate", ".KYBPAMLAttestation.approvalDate" ], "filter": { "type": "string", "pattern": "[0-9]{4}-[0-9]{2}-[0-9]{2}:[0-9]{2}:[0-9]{2}:[0-9]{2}:[0-9]{3}" }, "purpose": "The date upon which this KYBP/AML Attestation was issued.", "predicate": "required" }, "statuses": { "active": { "directive": "required", "revoked": { "directive": "disallowed", "is\_holder": { "field\_id": [ "subjectId", "directive": "required" ] } } } } } } reply url field is the URL that the client should call in the verification step.

### Verification call

**Endpoint**

POST: /verifications/{id}

The URL that the client should call at this step is the `reply_url` field in the response of the previous call.

## Request

```
JSON { "credential_fulfillment": { "descriptor_map": [ { "format": "jwt_vc", "id": "proofOfIdentifierControlVP", "path": ".presentation.credential[0]" }, { "id": "e921d5b2-5293-4297-a467-907f9d565e4e",  
    "manifest_id": "KYBPAMAttestation", "presentation_submission": { "id": "b68fdaf5-21aa-4cdf-84b7-452b1c9c3cc", "credential_map": [ { "format": "jwt_vc", "id": "kybpam_input", "path":  
        "verifiableCredential[0]", "definition_id": "14b2ade1-389c-4acc-87c6-89d9dc69fa521", "vp": { "@context": "https://www.w3.org/2018/credentials/v1", "type": [ "VerifiablePresentation",  
            "JedeX credentialFulfillment", "VerifiableCredz1" ] } } ], "nonce": "eyJ0eUxOIAoKXjQlClJhbGciOiJJUzE1NksifQ.EyZdWliOIkaWO6a2V5OnpRM3NodjMkODRmYGFvB2a0t1UnJZTUdGVjhIM0tS3BKa3RicWlyZFViUU1FTXZ0ZWMydEUilClJuYmYiOiE2NTg5NTNM4MjslmImlzcylw-PqYkFEz8HUO3sYoNiluzGRILTZPOrhj1owPyywj", "holder": { "did:key:z3qshsv378PvkMuRrYMGMVF9a3MtKpkjteqb2UbQMEmvtWc2ie"} }, "nonce": "126c210d-f458-4ec7-ad02-0e0a2b8aac42", "sub":  
    "0xt39fd6e51aad88bf64ce6ab8827279cffb9226be", "iss": { "did:key:z3qshsv378PvkMuRrYMGMVF9a3MtKpkjteqb2UbQMEmvtWc2ie"} } There are several fields in the query that the clients need to carry  
out after the response of the previous query or the verifiable credential (VC) fetched from the wallet.
```

field in the query field in the response of the previous call iss VC's DID sub wallet's address nonce body.challenge presentation\_submission.definition\_id body.presentation\_definition.id  
vp.verifiableCredential VC that is from wallet. vp.holder wallet's address

### Response

A successful verification returns a JSON blob, as illustrated below.

```
Verification call response {"status": "success", "verificationResult": {"schema": "verite.id/definitions/processes/kycaml/0.0.1/generic-usa-legal_person", "subject": "0xb4d00788f752b8525b3a21bdc16b3336d91e", "expiration": "1663906402", "verification_id": "2912ef9f10af43a8-82a2-b992a8cee111"}, "signature": "0x525eb656006abc0b741e1671ab687d71d1369455d4d6ee9ede35262b867dc9e49fc2f59aadb4829b0ce53c7c52b9a88509e2ba888025ec5503f1cc14da8fb1c"} field name meaning status The status of the verification. verificationResult The result of the verification. signature The signed string, by verifier, of the verificationResult Updated5 months ago Table of Contents * Initialization call
```