

# Vercr Sandbox

Verified Credentials Issuance & Verification SDK  
Issuer Evaluation Guide

## Sandbox URL

<https://sandbox.vercre.io>

No installation required. All examples below use this base URL.

## Getting Started (30 seconds)

Run this single command to onboard. You'll receive a DID, public key, and an ADMIN API key that lets you issue and revoke credentials immediately.

```
curl -X POST https://sandbox.vercre.io/v1/onboard \  
-H "Content-Type: application/json" \  
-d '{"name": "Your Company Name"}'
```

Save the apiKey from the response -- it is shown only once. You start at the UNVERIFIED tier (can issue KYCBasic credentials). Contact us to upgrade your tier for the full credential set.

## 5 Essential API Calls

### 1. Issue a KYC Credential

```
curl -X POST https://sandbox.vercre.io/v1/issue \  
-H "X-API-Key: $YOUR_ADMIN_KEY" \  
-H "Content-Type: application/json" \  
-d '{  
  "issuerDid": "$YOUR_DID",  
  "subjectDid": "did:key:z6MkTestSubject",  
  "credentialType": "KYCBasicCredential",  
  "claims": {  
    "kycLevel": "basic",  
    "countryOfResidence": "US",  
    "verificationMethod": "document",  
    "verifiedAt": "2026-01-01T00:00:00Z"  
  },  
  "expiration": "2027-01-01T00:00:00+00:00"  
}'
```

### 2. Verify a Credential

```
curl -X POST https://sandbox.vercre.io/v1/verify \  
-H "X-API-Key: $YOUR_ADMIN_KEY" \  
-H "Content-Type: application/json" \  
-d '{"credential": <jwt_from_step_1>}'
```

### 3. Verify with Policy Constraints

```
curl -X POST https://sandbox.vercre.io/v1/verify \  
-H "X-API-Key: $YOUR_ADMIN_KEY" \  
-H "Content-Type: application/json" \  
-d '{  
  "credential": <jwt>,  
  "policy": {"minTier": "VERIFIED", "minReputation": 50}  
'
```

### 4. Revoke a Credential

```
curl -X POST https://sandbox.vercre.io/v1/credentials/revoke \  
-H "X-API-Key: $YOUR_ADMIN_KEY" \  
-H "Content-Type: application/json" \  
-d '{"credential": <jwt>, "issuerDid": "$YOUR_DID}"'
```

### 5. Check Attestation Status

```
curl https://sandbox.vercre.io/v1/credentials/<hash>/status \  
-H "X-API-Key: $YOUR_ADMIN_KEY"
```

## What You Can Do at Each Tier

Your tier determines which credential types you can issue. Higher tiers require verification of your business credentials and staking.

| Tier          | Credential Types           | Requirements                      |
|---------------|----------------------------|-----------------------------------|
| UNVERIFIED    | KYCBasic                   | Onboard (no approval needed)      |
| VERIFIED      | KYCBasic, KYCStandard, AML | Business verification + 100 stake |
| REGULATED     | All 5 types                | Regulatory license + 500 stake    |
| INSTITUTIONAL | All 5 types                | Charter + SOC2 + 1000 stake       |

## Credential Types

### KYCBasicCredential

Country + verification method. For lightweight identity checks.

### KYCStandardCredential

Full name, DOB, document type. For document-verified identity.

### KYCEnhancedCredential

Source of funds, risk score, PEP/sanctions. For full due diligence.

### AMLScreeningCredential

Sanctions status, PEP, adverse media, risk score.

### AccreditedInvestorCredential

Accreditation status, jurisdiction, verification method.

## Key Concepts

Privacy: Only SHA-256 hashes are stored on-chain. No personal data ever touches the blockchain.

Composable: Issue multiple credential types per subject. Revoking one doesn't affect others.

Portable: Any downstream platform can verify credentials without re-running checks.

Custodial Keys: Your private signing key is stored server-side, encrypted at rest. It never appears in API responses.

## Next Steps

1. Run the onboard command above to get your DID and API key
2. Issue a test credential and verify it
3. Try the revoke + re-verify flow to see composable revocation
4. When ready for production tiers, submit a verification request:

```
curl -X POST https://sandbox.vercre.io/v1/issuers/$YOUR_DID/verify-request \
-H "X-API-Key: $YOUR_ADMIN_KEY" \
-H "Content-Type: application/json" \
-d '{
  "requestedTier": "REGULATED",
  "entityType": "compliance_provider",
  "jurisdiction": "US",
  "licenseId": "YOUR-LICENSE-ID",
  "website": "https://yourcompany.com",
  "regulatoryBody": "FinCEN",
  "licenseType": "MSB",
  "complianceOfficerName": "Jane Doe",
  "complianceOfficerEmail": "jane@yourcompany.com"
}'
```

*Questions? Contact us at [support@vercre.io](mailto:support@vercre.io)*

*API Reference: <https://sandbox.vercre.io/docs>*