

Developing on MemberPass TEST

Adding MemberPass to your systems – for log in, walk in, or call in – is simple. You can get going with an hour or two of work.

We have two main API calls:

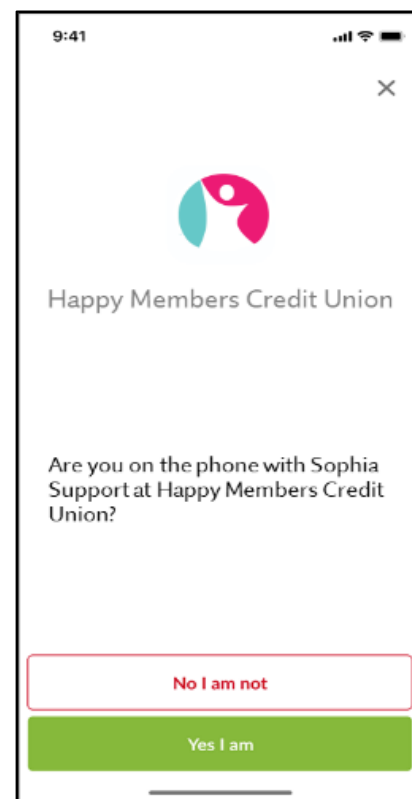
- **Onboard** – to add a Member to the system.
- **Authenticate** – to ask your Member to authenticate. You can ask for them to share a MemberPass credential or ask a question over the secure MemberPass channel (e.g. “Are you transferring \$1,500 to your brother in Spokane, WA?”).

It’s all “normal”, modern development work. Simple OAuth2 connection and we can whitelist your IP addresses as needed. Secure RESTful web services with a Swagger API. Working examples (bash script, Python, C#, and more).

An Example

On the following page are a few Python code snippets that show an example of running an Authentication against the CULedger.Identity API. The steps assume a member has been onboarded and has a MemberId that is stored somewhere in your system. Beyond that it is basically two lines of code:

1. Establish the message that you want the member to respond to.
2. Run /simpleAuthenticate and check the response.
3. Optionally, log the cryptographic information to back-end systems for review/compliance/audit.



STEP 1 – Set the Message Parameters

```
1 # Message parameters (note: messageId is for your internal system tracking use)
2 authSimpleChallenge = {
3     "messageId": "42",
4     "messageQuestion": "You have a security confirmation from Desert Financial?",
5     "messageTitle": "Hi, John",
6     "messageText": "Are you talking to the Desert Financial call center?",
7     "positiveOptionText": "Yes, I am",
8     "negativeOptionText": "No, I am not",
9     "expires": "2020-01-20T19:15:17.897Z"
10 }
```

STEP 2 – Send the Authentication Query

```
1 # OAuth2 token retrieved earlier and is in headers,
2 # MEMBERPASS_URL is your API endpoint
3
4 authSimpleEndpoint = "{}member/{}/authenticateSimple".format(
5     MEMBERPASS_URL,
6     memberId)
7
8 authSimpleResponse = requests.post(onboardEndpoint,
9     data=json.dumps(authSimpleChallenge),
10    headers=headers)
```