

Running as a User with a Stored PeopleToken (since 0.8.0)

The basic authentication methods do not provide access to the `PeopleToken` that is created for the initial authentication. Instead, the relevant values are stored in an `AuthenticationResult` object in the `WWClient`. However, there may be scenarios where you want to store the `PeopleToken` in a database or long-term cache. To do this, additional methods have been added to the `WWAuthenticationEndpoint` class.

- `WWAuthenticationEndpoint.authorizeUserGetToken(String basicAuthApp, String userToken, String url)` allows you to perform an initial authentication with the user's token and return the `PeopleToken`.
- `WWAuthenticationEndpoint.authorizeUserRefreshTokenGetToken(String basicAuthApp, String refreshToken, String scope)` allows you to re-authenticate with the `refreshToken` and return the `PeopleToken`.



Security Warning

If you are storing the `PeopleToken` somewhere, ensure you properly encrypt the token because it will include all credentials required to run as the user and re-authenticate when the token expires.

You need to pass the Base64 encoded application credentials to the method. The easiest way to do that is to pass the `appld` and `appSecret` to a `WWClient` object and use the `getAppCredentials()` method. You can then pass those credentials, the initial user token and the scope to use.

Output Refresh Token

```
@Test
public void getToken() throws WWException, UnsupportedEncodingException {
    WWClient client = WWClient.buildClientUserAccess(null, "5c0bf268-c363-4aae-bbec-e2dbebb2fb72",
"vKTpM47ST8ME9gQ9iWt_VjknvMCW", null, null);
    String appCredential = client.getAppCredentials();
    WWAuthenticationEndpoint ep = new WWAuthenticationEndpoint();
    PeopleToken token = ep.authorizeUserGetToken(appCredentials, "ricoZt", "https://openntf.org");
    WWClient altClient = WWClient.buildClientUserAccessFromToken("5c0bf268-c363-4aae-bbec-e2dbebb2fb72",
"vKTpM47ST8ME9gQ9iWt_VjknvMCW", token);
    System.out.println(altClient.getExpireDate());
    System.out.println(altClient.getUserRefreshToken());
}
```

If you're storing the token, you will need to manually refresh and get the updated `PeopleToken` when it's due to expire.

Refresh

```
public PeopleToken refresh() throws WWException, UnsupportedEncodingException {
    WWAuthenticationEndpoint ep = new WWAuthenticationEndpoint();
    PeopleToken token = ep.authorizeUserRefreshTokenGetToken(appCredentials, token.getRefresh_Token(),
token.getScopeAsString());
    return token;
}
```