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1. Integrating CTSAuthLayer

VikasCitruspay edited this page Dec 14, 2015 · 28 revisions

There are two types of user privileges that user can have:

- Wallet level - lets user save cards, get the saved cards, payment using Credit and Debit cards and delete cards.
- Prepaid level - includes all the privileges from Wallet level in addition to that User can now load and pay using their prepaid account.

Bind User

bind the user, this grants cards saving, fetching, payment using CC and DC and delete cards privileges to the user, doesn't need password.

```
[authLayer requestBindUsername:@"test@gmail.com" mobile:@"9702222222" completionHandl
         if(error == nil){
            // Your code to handle success.
        }
        else {
            // Your code to handle error.
        }
    }];
```

Get User’s Prepaid Level access (Link user)

Citrus Link user and Sign-in api simplifies the process of new user sign-up as well as enquiring the status of existing Citrus Prepaid Wallet accounts.

Acquiring the Citrus Prepaid Wallet access for the user is a two step process: First Linking the user and then presenting the sign-in screen with either OTP or password or both depending on the response of the Link User Api

Citrus Link User

When User decides to Pay using Citrus Wallet, First thing you need to check is if user is already logged in with api `[authLayer isLoggedIn]` , if they are already logged in you can start the prepaid activities, if they are not then you need to call Citrus Link Api, Link User does all the checks on users account and responds with status that helps you to build sign-in screen. it also creates new account for new users and may fire otp to mobile or email .

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ChangeLog

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```
[authLayer requestCitrusLink:@“test@mailinator.com” mobile:@“9700000000” completion:^(
        if (error) {
        [UIUtility toastMessageOnScreen:[error localizedDescription]];
        }
    else{
        [UIUtility toastMessageOnScreen:linkResponse.userMessage];

        switch (linkResponse.siginType) {
            case CitrusSiginTypeMOtpOrPassword:
                // Show Mobile otp and password sign in screen
                break;
            case CitrusSiginTypeMOtp:
                // Show Mobile otp sign in screen
                break;
            case CitrusSiginTypeEOtpOrPassword:
                // Show Email otp and password sign in screen
                break;
            case CitrusSiginTypeEOtp:
                // Show Email otp sign in screen
                break;
            default:
                break;
        }
     }
}];
```

Citrus Link User responds with CTSCitrusLinkRes object To decide whether to show Password or OTP or both in the next login screen can be decided using the enum field “linkResponse.siginType” in the link user response. Please see the code above .

Citrus Link Sign-in

To Signin with Password or OTP use following API

Password Sign-in

```
[authLayer requestCitrusLinkSignInWithPassoword:@“CitrusPassword” passwordType:Passwor
        LogTrace(@"error %@",error);
        if (error) {
            // Handle Error
        }
        else{
            // Handle Success
        }
    }];
```

OTP Sign-in

```
[authLayer requestCitrusLinkSignInWithPassoword:@“3453” passwordType:PasswordTypeOtp c
        LogTrace(@"error %@",error);
        if (error) {
            // Handle Error
        }
        else{
            // Handle Success
        }
    }];
```

See if anyone is logged in

To check if user is already logged into the SDK.

```
if([authLayer isLoggedIn]){
    [UIUtility toastMessageOnScreen:@"user is signed in"];
}
else{
    [UIUtility toastMessageOnScreen:@"no one is logged in"];
}
```

Reset User Password

It happens to all of us, we tend to forget our passwords. so if user forgets their password and wants to reset it following is the way to do it

```
 [authLayer requestResetPassword:@"test@gmail.com" completionHandler:^(NSError *error)
     if(error == nil){
             // Your code to handle success.
         }
         else {
             // Your code to handle error.
         }
   }];
```

Sign out

To do a local sign out from the SDK you have to call following method

```
  [authLayer signOut];
```