

18.12.17

DIGITALGATE ANDROID

1. OVERVIEW

Digitalgate provides integration to Turkcell login systems. We have developed an SDK that is highly robust, secure, lightweight, configurable and very simple to embed.

You can initialize login , register, switch account flows.

The Digitalgate Android SDK is compatible with Android 4.3(API 18) and above.

2. QUICK START

2.1 Adding the SDK to your Project

The simplest way to integrate the SDK into your project is by using Gradle's Dependency Management.

Adding Digitalgate's Android SDK Dependency:

- 1 Open your project and then open your_app | build.gradle
- 2 Add this to Module-level /app/build.gradle before dependencies:

```
repositories {  
    maven {  
        url  
'https://mymavenrepo.com/repo/ukAiuNSVkftQiB4kKUPH/'  
        name 'Private Repo'  
    }  
}
```

Add the compile dependency with the latest version of the Digitalgate SDK in the build.gradle file:

```
compile ('com.turkcell.digitalgate:digitalgate-  
aar:4.3.0'){  
    transitive = true  
}
```

2.2 Setting the Required Permissions

The AndroidManifest.xml should include the following permissions:

```
<uses-permission  
android:name="android.permission.READ_PHONE_STATE" />  
<!-- Optional : -->  
<uses-permission  
android:name="android.permission.GET_ACCOUNTS" />
```

3. SDK INITIALIZATION

Initialization of the SDK is completed in two stages. In the first stage the DGLoginCoordinator is created by using Builder Pattern. When building DGLoginCoordinator, appId is required where theme and language parameters are optional. In the second stage the call to one of the main flows(e.g. call startForLogin, startForSwitchAccount, startForRegister) is needed.

To initialize the SDK, add the following code in your Application activity or fragment:

```
DGLoginCoordinator dg = new  
DGLoginCoordinator.Builder().appId(app_id).build();
```

4. SDK START LOGIN

Having initialized the SDK, start login one of the main flows to call. It takes three boolean parameters;

- disableCellLogin: if true, cellular login functionality won't work.
- autoLoginOnly: if true, only cellular login and remember me will work
- disableAutoLogin: if true, login process is forced to user.

```
try {  
    dg.startForLogin(this, disableCellLogin,  
autoLoginOnly, disableAutoLogin);  
} catch (DGException e) {  
    //application error handling, e.g. required appId  
}
```

For getting result, see Section 7.

5. SDK START REGISTER

Having initialized the SDK, start register one of the main flows to call. It runs without parameters;

```
try {  
    dg.startForRegister(this);  
} catch (DGException e) {  
    //application error handling, e.g. required appId  
}
```

For getting result, see Section 7.

6. SDK SWITCH ACCOUNT

Having initialized the SDK, switch account one of the main flows to call. It runs without parameters;

```
try {
    dg.startForSwitchAccount(this);
} catch (DGException e) {
    //application error handling, e.g. required appId
}
```

For getting result, see Section 7.

7. SDK RESULT

To get the result from SDK, onActivityResult method must be overridden in the application's Activity or Fragment.

To get the result, add the following code in your Application's fragment or activity:

```
@Override
protected void onActivityResult(int requestCode, int
resultCode, Intent data) {
    super.onActivityResult(requestCode, resultCode, data);

    if (requestCode == DGLoginCoordinator.DG_REQUEST_CODE) {
        if (resultCode == Activity.RESULT_CANCELED) {
            //Unexpected Error Case
        }
        if (resultCode == Activity.RESULT_OK) {
            DGResult dgResult =
DGLoginCoordinator.getDGResult(data);
            //dgResult has the result, take action according
to result
        }
    }
}
```

8. SDK LOGOUT

To logout from the system, there is a static method to call. Re-initialization of DGLoginCoordinator is not needed. Add the following code in your Application:

```
DGLoginCoordinator.logout(this, appId);
```

For logout, there is no result. Having called the logout method is enough.

9. SDK STYLE CONFIGURATION

The configuration of the sdk can be achieved by creating DGTheme and passing DGTheme to DGLoginCoordinator. Builder pattern is used for creating the DGTheme.

Sample code for configuring the style:

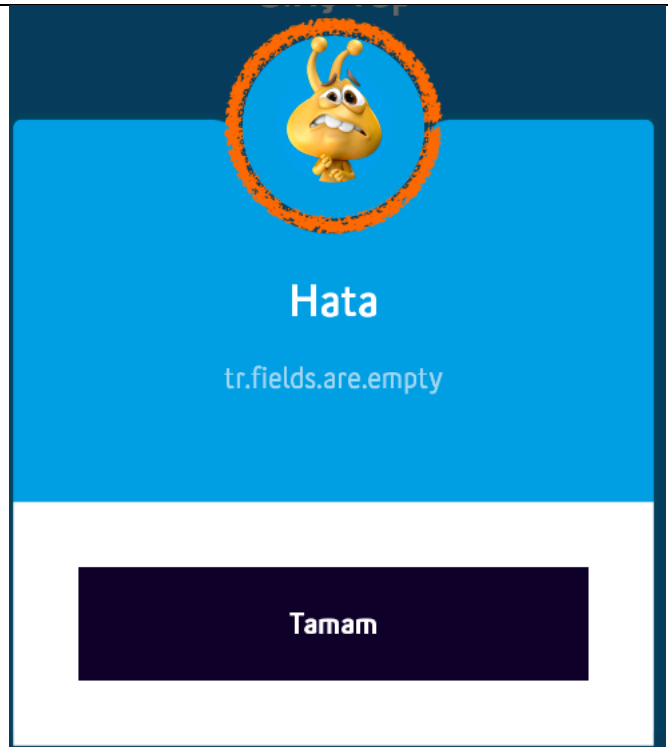
```
DGTheme dgTheme = new DGTheme.Builder()  
    .setBackgroundColor(android.R.color.holo_green_light)  
    .setTitleLabelColor(android.R.color.holo_red_dark)  
    .setDescriptionTextColor(android.R.color.holo_orange_dark)  
    .setCheckBoxPassiveIcon(R.drawable.dg_checkbox_normal)  
    .setPositiveButtonTextColor(android.R.color.black)  
    .build();  
  
DGLoginCoordinator dg = new  
DGLoginCoordinator.Builder().theme(dgTheme).appId(app_id).build();
```

```
@DrawableRes  
int backButtonIcon
```

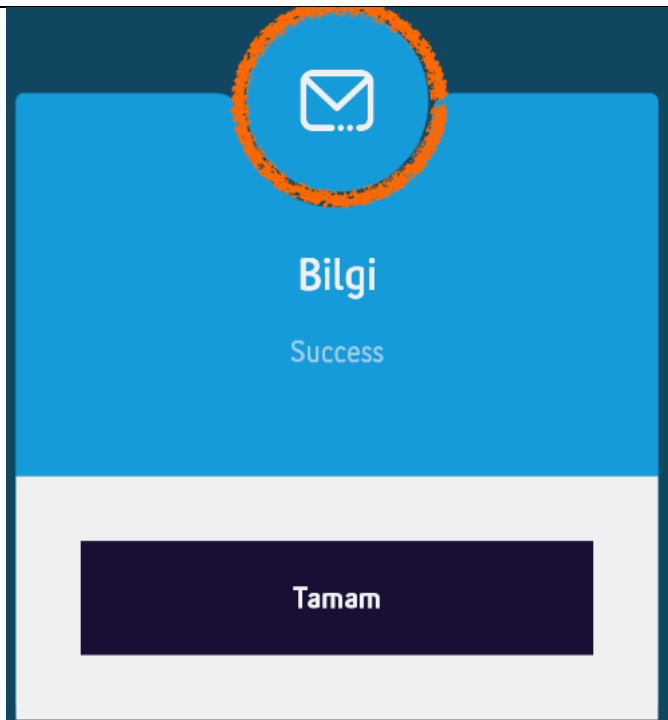


Giriş Yap

@DrawableRes
int errorPopupImage



@DrawableRes
int infoPopupImage



@DrawableRes
int checkBoxActiveIcon

4G 9:16

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz

☒ Beni Hatırla

Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

+ tr.loginpage.register.text

loginpage.submit.button.title

@DrawableRes
int checkBoxPassiveIcon

4G 9:20

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz

☐ Beni Hatırla

Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

+ tr.loginpage.register.text

loginpage.submit.button.title

@DrawableRes
int crossButtonIcon



4G 9:16

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz


☐ Beni Hatırla

Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

+ tr.loginpage.register.text

loginpage.submit.button.title

@ColorRes
int backgroundColor



4G 9:16

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz

☐ Beni Hatırla

Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

+ tr.loginpage.register.text

loginpage.submit.button.title

@ColorRes
int titleLabelColor

4G 9:16

×

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz

☐ Beni Hatırla
Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

+ tr.loginpage.register.text

loginpage.submit.button.title

@ColorRes
int descriptionTextColor

4G 9:16

×

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz

☐ Beni Hatırla
Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

+ tr.loginpage.register.text

loginpage.submit.button.title

@ColorRes
int textFieldSeperatorColor

4G 9:16

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz

☐ Beni Hatırla

Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

tr.loginpage.register.text

loginpage.submit.button.title

@ColorRes
int
positiveButtonBackgroundColor

4G 9:16

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz

☐ Beni Hatırla

Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

tr.loginpage.register.text

loginpage.submit.button.title

@ColorRes
int positiveButtonTextColor

4G 9:16

×

tr.loginpage.title

GSM Numaranız

+90

tr.loginpage.or.text

E-Posta Adresiniz

☐ Beni Hatırla

Beni hatırla özelliğini seçerek Turkcell Hesabım, Fizy, GNC, Turkcell Platinum ve Çalarken Dinlet mobil uygulamalarına şifre kullanmadan kolayca ve güvenli bir şekilde giriş yapabilirsiniz.

+ tr.loginpage.register.text

loginpage.submit.button.title

@ColorRes
int
negativeButtonBackgroundColor

4G 9:43

×

tr.digitalid.verifyemailwarn.title

tr.digitalid.verifyemailwarn.description

tr.digitalid.verifyemailwarn.reg...

tr.digitalid.verifyemailwarn.log...

@ColorRes
int negativeButtonTextColor



10. FAQ

Q: What is my app ID?

A: You can contact with Osman Kara(osman.kara@turkcell.com.tr) for your all questions.

Q: Do we need to set theme in the DGLoginCoordinator?

A: No you don't. There is a default theme in DigitalGate, if you don't need a special theme then you can continue with the default one by not setting or just setting null for theme method in DGLoginCoordinator.

Q:

A:

Q:

A: