

App: Data Layer Requirements - React Native

This document will focus on the creation of a data layer object (within screens on the native app React Native 2.x), as well as the declaration of variables to sit inside that data layer object.

Install

Install the library with NPM: `yarn install tealium-react-native`

Initialize

```
import Tealium from 'tealium-react-native';
import { TealiumConfig, TealiumView, TealiumEvent, ConsentCategories,
Dispatchers, Collectors, ConsentPolicy, Expiry, ConsentExpiry, TimeUnit,
ConsentStatus, TealiumEnvironment } from 'tealium-react-native/common';

let config: TealiumConfig = {
  account: 'ACCOUNT',
  profile: 'PROFILE',
  environment: TealiumEnvironment.dev,
  dispatchers: [Dispatchers.Collect, Dispatchers.RemoteCommands,
Dispatchers.TagManagement],
  collectors: [Collectors.AppData, Collectors.DeviceData,
Collectors.Lifecycle, Collectors.Connectivity],
  consentPolicy: ConsentPolicy.gdpr,
  visitorServiceEnabled: true
};
Tealium.initialize(config);
```

Implementation

The following provides a list of the variables required (and variable syntax) for ALL SCREENS on the native app platform:

emailToken - Email ID Token (Mulesoft-generated)

This field returns the tokenized output value of the user's email address. Tokenization is done in Mulesoft. The value to populate here should be the tokenized email address value only, without any prefixes or suffixes. If the user is not logged in, populate the variable with the null value (string): `"null"`.

emailHash - Email ID Hash

This field returns the hashed output value of the user's email address, using the same hashing algorithm as the Salesforce account (SHA-256). The value to populate here should be the SHA-256 hashed email address value only, without any prefixes or suffixes. If the user is not logged in, populate the variable with the null value (string): `"null"`.

mobileHash - Mobile number hash

This field returns the hashed output value of the user's mobile phone number, using the same hashing algorithm as the Salesforce account (SHA-256). If the user is not logged in, populate the variable with the null value (string): "null".

React Native track view - code sample

```
let view = new TealiumView('Pageview', {
  "emailHash": "<HASHED-VALUE> or null",
  "emailToken": "<TOKENIZED-EMAIL-VALUE> or null",
  "mobileHash": "<MOBILE-NUMBER-HASHED-VALUE> or null"
});

Tealium.track(view);
```

Resources

- [Tealium docs - React Native](#)