IGGraph Technical Documentation

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Native Instagram Graph API Implementation for Instagram Image slider

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Metadata

Prefrence Gorup	Prefrence ID	Expected values	Use
igGraph	secretToken	`{"default": "secretToken","category": {"cid": "secretToken"}}`	To configure feed specific token

Custom object	Use
IGGraph-DataObject	used to store the images data for default and category specific feeds

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Script

Scripts added to or updated in codebase

JOB(IG_Graph)

IG_Graph Job is used to fetch Instagram media JSON using token stored in secretToken custom preference and stores the data in custom object(IGGraph-DataObject).

Job Name	Steptype ID	Use
IG_Graph	Custom.InstagramGraph	logic to fetch and store JSON data in custom object

Function "getIGMediaData"

"getIGMediaData" function is used to make a service call to get the access token using secret token from preference through igGraph service and fetch Instagram media JSON using access token, and the override custom object(IGGraph-DataObject) record

File Path: **app_conair_extention\cartridge\scripts\steps\IG_Graph.js**

Controller(IGGraph.js)

"IGGraph-Show" controller fetches the value of custom object(IGGraph-DataObject) records as per page that is default for normal pages and category for category pages, uses default configuration for owl slider or fetches and merges querystring For Category specific slider category id (cid) from querystring and fetch values from custom object(IGGraph-DataObject) based on the id.

File Path: **app_conair_extention\cartridge\controllers\IGGraph.js:**

eg:-

```
<isinclude url="${URLUtils.url('IGGraph-Show')}"/> <!-- Hompage uses default data-->

<isinclude url="${URLUtils.url('IGGraph-Show', 'cgid', pdict.category.ID)}"/> <!--
Categroy page uses category specific record data-->

<isscript>
  var config = JSON.stringify({
    property_Name: value
  });
</isscript>

<isinclude url="${URLUtils.url('IGGraph-Show','config', config)}"/><!-- Extend
default config -->
```

Service(FBGraphApi)

Serve to be used to call Instagram API to fetch the media json data.

calls :

- getAuthToken :
  fetches and returns the Access token using secret token that can be used for other call for authentication.
- getMediaJSON :
  fetches and returns JSON data for media using access token fetch in getAccesstoken.

File Path: **app_conair_extention\cartridge\scripts\services\IgGraph.js**

How to Configure

To Configure and enable Native Instagram Slider for new sites or pages follow the below steps.

Prerequisite

- JQuery.
- Owl carousel.
- "app_conair_extention" should be present in site path

1. Configure the token in custom preference

Configure the token in custom site preference

```
{
  "default": "secretToken",
  "category": {
    "cid": "secretToken"
  }
}
```

2. Configure Service

Service ID	Base URL	Use
FBGraphApi	https://graph.instagram.com/	to access instagram API

Endpoint For	Endpoint URL
Access Token	/refresh_access_token?grant_type=ig_refresh_token&access_token={secretToken}
Media JSON	/me/media?fields=username,caption,media_type,media_url,thumbnail_url,permalink&access_token={accessToken}&limit=12

File Path: **app_conair_extention\cartridge\scripts\services\IgGraph.js**

3. Include igGraph-show Controller in isml

We include the template with the help of URLUtils class in the HomePage isml or catgory page cid shoud be passed to controller as query for category page.

5. Configure Job

Create a new job with step Custom.InstagramGraph if not already there if job is already there configure the Iggraph job add your site to the job scope execute the job and check custom object(IGGraph-DataObject) record is created with data or not.

How to test

To Test the IG Slider We have to execute controller(IGGraph-Show) or include remotely in any isml template.

Common Issues and solutions :

1. If Images are not coming then we have to execute the Job(IG_Graph).
2. If in logs of the Job we get the error message of "password expire" then we have to get the new token for the site update in the preference.