**Revise: 5/6/2010 4:36:24 PM**

# General Description

**WebService** for Branded App

Service Name: brand

Basic URI: http://ads.cellflare.com/Cfsrv/restservice/**brand**/

Methods:

|  |  |  |
| --- | --- | --- |
|  | **Method** | **Description** |
| 1 | ***getappbasic*** | get basic and configuration of the app, include name, latest version, stores and/or list of images used for skin. |
| 2 | ***getstorecities*** | get cities list of store, when need search by cities, call it get the cities as list items for selection |
| 3 | ***getbrandstores*** | get/search store by user's criteria (latitude/longitude or city) |
| 4 | ***getstoredetail*** | get details of a store |
| 5 | ***getcouponlist*** | get all coupon list for a store |
| 6 | ***getcoupondetail*** | get the detail or coupon page or coupon image for a coupon |
| 7 | ***getflyerlist*** | get the list of flyer/menu list for a store |
| 8 | ***getflyerdetail*** | get one flyer/menu page (mostly image) details for a flyer |
| 9 | ***getappimage*** | For app download the newest image for app's skin |
| 10 | ***getlogo*** | Get the app's logo if needed |
| 11 | ***getmessages*** | Get the messages from server for keep the display message up to date |

Phone Type

iPhone = 1,

BlackBerry = 2,

Android = 3,

WindowsMobile = 4,

Palm = 5,

Java = 6,

Default = 0

There are 4 kind of messahes for all Json/XML return:

"Input error": if input parameter wrong

"No data": Can't find

"No permission": No permission to get the data

"Unknown Error": Wrong for unknown reason

# Methods Description

**All methods and parameters use lower case.**

1. getappbasic: get basic and configuration of the app
   1. parameter

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **ptype** | phone type |
| **ver** | current version |
| **fmt** | return format, xml/json |

example: <http://ads.cellflare.com/Cfsrv/restservice/brand/getappbasic?bi=1&ptype=0&ver=1.0.0&fmt=json>

* 1. return

xml/json format configure data of this branded app

explain of the tags:

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | **Data type** |
| **cn** | Company name | string |
| **bn** | *brand app name* | string |
| **scount** | *total store numbers* | Int |
| **tid** | ***theme id*** | **Int** |
| **lver** | *latest app version* | string |
| **phone** | Order Phone number | string |
| **ft** | Flyer type, 1: flyer, 2: menu | Int |
| **img** | Structure for all image define for the app. different app may have different images. | String:Xml/json |
| **img: name** | Name of the images, such as background, button01, etc | string |
| **img:ver** | Version of this image, when the image updated, it will be changed, incease 1 | Int |

**\* for <img>, the best way is save the pics in the phone, everytime just check the image version to determine if download again.**

**and all the parameters for image should be confirm before app released.**

1. getstorecities: get cities list of store
   1. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **fmt** | return format, xml/json |

example:

<http://ads.cellflare.com/Cfsrv/restservice/brand/getstorecities?bi=1&fmt=xml>

* 1. return

list of stores, tags in the list

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | **Data type** |
| **ctry** | Country code | String |
| **prov** | Province code | string |
| **city** | City name | string |

1. getbrandstores: get/search store by user's criteria
   1. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **city** | City name, use + to replace ' ', and delete "'" |
| **prov** | Province code, such as ON, BC, CA |
| **ctry** | Code of country |
| **la** | Latitude, best keep 6 decimals |
| **lo** | Longitude, , best keep 6 decimals |
| **r** | Radius from users location , int, unit meter, default 50000 (50 km) |
| **fmt** | return format, xml/json |

if use city/prov/country, use the return data from **getstorecities** as parameters

if lat/lon/r specified, city/prov/country will be ignored

example:

<http://ads.cellflare.com/Cfsrv/RESTService/brand/getbrandstores?bi=1&la=43.733852&lo=-79.33111&r=40000&fmt=xml>

* 1. return

List of stores with brief info

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | **Data type** |
| **count** | Count of rsults | Int |
| ***List:*** |  |  |
| **sid** | Store ID | int |
| **sn** | Store name | string |
| **ctry** | Country code | String |
| **prov** | Province code | string |
| **city** | City name | string |
| **addr** | Address | string |
| **ps** | Postal | string |
| **Pn** | Phone | string |
| **lat** | Latitude | float |
| **lon** | Longitude | float |

1. **getstoredetail**: get details of a store
   1. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **sid** | Storeid |
| **fmt** | return format, xml/json |

example:

<http://ads.cellflare.com/Cfsrv/RESTService/brand/getstoredetail?bi=1&sid=1&fmt=xml>

* 1. return

List of stores with brief info

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | **Data type** |
| **sid** | Store ID | int |
| **sn** | Store name | string |
| **url** | Url of website | string |
| **ctry** | Country code | String |
| **prov** | Province code | string |
| **city** | City name | string |
| **addr** | Address | string |
| **pn** | Phone | string |
| **lat** | Latitude | float |
| **lon** | Longitude | float |
| **hrs** | Work hours | String |
| **cc** | Available Coupon number | Int |
| **fc** | Available Flyer number, not flyer pages | Int |

1. **getcouponlist**: get all coupon list for a store
   1. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **sid** | Storeid, if 0 or not apply, return all for the branf |
| **fmt** | return format, xml/json |

example:

<http://ads.cellflare.com/Cfsrv/RESTService/brand/getcouponlist?bi=1&sid=1&fmt=xml>

* 1. return

List of coupons

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | **Data type** |
| **count** | **Count of the list** | **Int** |
| ***list:*** |  |  |
| **cid** | Coupon ID | Int |
| **ctitle** | Coupon title | string |
| **ccode** | Barcode | String |
| **cvdate** | Coupon valid date, 3 parts, start date, end date (Expire date), weekday list, such as ‘2010-04-10,2010-04-17,12345’, for week day: 0 -sunday | String |
| **cvtime** | Valid time | Int |
| **ctype** | Coupon type, 0 - html, 1 - image | Int |

Sample for fmt =XML

<baCouponList>

<count>2</count>

<list>

<baCoupon>

<cid>17</cid>

<ctitle>New Test</ctitle>

<ccode>12345</ccode>

<cvdate>2010-04-21,2010-05-21|0123456</cvdate>

<cvtime/>

<ctype>1</ctype>

</baCoupon>

<baCoupon>

<cid>18</cid>

<ctitle>QEW</ctitle>

<ccode>444443</ccode>

<cvdate>2010-04-21,2010-05-21|12345</cvdate>

<cvtime/>

<ctype>0</ctype>

</baCoupon>

</list>

</baCouponList>

Sample for fmt =json

{"count":2,"list":[{"cid":17,"ctitle":"New Test","ccode":"12345","cvdate":"2010-04-21,2010-05-21|0123456","cvtime":"","ctype":1},{"cid":18,"ctitle":"QEW","ccode":"444443","cvdate":"2010-04-21,2010-05-21|12345","cvtime":"","ctype":0}]}

1. getcoupondetail: get the detail of a coupon
   1. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **sid** | Storeid |
| **cid** | Couponid |
| **fmt** | return format, xml/json/page/img |
| **type** | Only use for fmt=image, if set to icon, return small image |
| **w** | Only use for fmt=image, Width of the image |
| **h** | Only use for fmt=image, Height of the image |

Example:

[http://ads.cellflare.com/Cfsrv/RESTService/brand/getcoupondetail?bi=1&sid=1&cid=137&type=icon&w=40&h=40&fmt=image](http://ads.cellflare.com/Cfsrv/RESTService/brand/getcoupondetail?bi=1&sid=1&cid=137&type=icon&fmt=image)

* 1. return

fmt = xml or not apply: xml string

fmt = json: Json string

fmt = page: pre-generated page

fmt = image: get the image of the coupon if its type is image, otherwise null

Detail of the coupon

1. getflyerlist: get the list of flyer/menu list
   1. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **sid** | Storeid, if 0 or not apply, return all for the branf |
| **fmt** | return format, xml/json |

Example:

<http://ads.cellflare.com/Cfsrv/RESTService/brand/getflyerlist?bi=1&sid=1&fmt=xml>

* 1. return

List of flyers

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | **Data type** |
| **count** | **Count of flyer** |  |
| **list:** |  |  |
| **Fid** | flyer ID | Int |
| **ftitle** | flyer title | string |
| **fvdate** | flyer valid date, 2 parts, start date, end date (Expire date), such as ‘2010-04-10,2010-04-17’ | String |
| **ptype** | Page Type, 0,1,2: image,link,content | Int |
| **rtype** | Release type, 0, 1, 2: regular,holiday,event | Int |
| **pages** | Pages of flyer |  |

1. getflyerdetail: get the flyer/menu details
   1. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **sid** | Store Id |
| **fid** | Flyer Id |
| **pg** | Number of page |
| **fmt** | return format, xml/json/page/image |
| **type** | Only use for fmt=image, if set to icon, return small image, if the flyer type isn't image, return null |
| **w** | Only use for fmt=image, Width of the image |
| **h** | Only use for fmt=image, Height of the image |

Example:

<http://ads.cellflare.com/Cfsrv/RESTService/brand/getflyerdetail?bi=1&sid=1&fid=137&pg=1&type=icon&h=50&w=50&fmt=image>

* 1. return

if fmt is the page, 3 kinds of return depends on flyer type

ptype = 0 image

ptype = 1 a URL link

ptype =2 a html content can used by webview

1. getappimage: get the specified image from server
   1. parameters

|  |  |
| --- | --- |
| **tid** | Theme ID, id of the theme the branded app currently use |
| **name** | Name of the image, such as 'background' |
| **ver** | Version of the image |
| **size** | Width x Height. resversed, ignored |

Example:

<http://ads.cellflare.com/Cfsrv/RESTService/brand/getappimage?tid=1&name=background&ver=0>

* 1. return

Image

1. getlogo: get the logo of brand app
   1. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **type** | Icon – small logo, null – normal logo |
| **w** | Width |
| **h** | Height |

Example:

<http://ads.cellflare.com/Cfsrv/RESTService/brand/getlogo?bi=1&w=40&h=40&type=icon>

* 1. return

Image

1. getmessages: get all message needed for the application
2. parameters

|  |  |
| --- | --- |
| **bi** | brandid, id of the branded app |
| **lan** | Language, use en-us,fr-ca, etc. default or not found use English |
| **ptype** | phone type |
| **fmt** | return format, xml/json |

Example:

<http://ads.cellflare.com/Cfsrv/RESTService/brand/getmessages?bi=1&lan=en-us&ptype=0>

1. return

List of messages

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | **Data type** |
| **mkey** | **Message name** |  |
| **mval** | **Message** |  |