BDP Web API Documentation 1.0.1

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BDP Rest API Basics

The BDP Media restful API allows authenticated users to receive orders for new media and load media remotely.

BDP restful APIs follow restful principles.

Authenticating a Request

BDP APIs use a simplified version of the Amazon S3 method for authentication. Authentication is provided by placing an 'Authorization' header in the request containing an API key and signature generated from a shared secret.

Authorization = "BDWS" + " " + BDWSAccessKeyId + ":" + Signature;

Signature = Base64(HMAC-SHA1(YourSecretAccessKeyID, UTF-8-Encoding-Of(StringToSign)));

StringToSign = HTTP-Verb + "\n" +

Content-MD5 + "\n" +

Content-Type + "\n" +

Date + "\n"

;

Full details of this authentication technique can be found at:

http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html

Instant Notification

An instantNotificationUrl can be stored on your API account. When a new order is initiated from BDP, a simple get request is made to the instantNotificationUrl containing an id parameter. A typical rest client would listen for a notification, when received, it will access the API and request data for the given id.

A typical Instant Property Notification: http://yourdomain.com/notification.php?id=123456

This can be used to prompt a get request for updated data on a given property.

Request Format

Request
===

GET /property/id HTTP/1.1

Host: bdphq.com

accId : 123456

Date: Mon, 26 Mar 2007 19:37:58 +0000

Authorization: ESPCWS AKIAIOSFODNN7EXAMPLE:frJIUN8DYpKDtOLCwo//yllqDzg=

In the above example, all available property data would be returned for property with a given id for account id. 123456.

Return
```
[{
        pId : 123456,
        orgId : 12345,
        externalId : 8047,
        address : {
                houseNo : 2,
                streetName : 'Some Street',
                addrL2 : 'some district',
```

```
                addrL3 : '',
                town : 'Edinburgh',
                postcode : 'EH1 1EE',
                lat : 123456232,
                lng : 421345161,
                dispAddress : '2 Some Street, Edinburgh',
                paperAddress : '2 Some Street'
        }
        propertyTypeId : 2,
        propertyTypeLabel : 'Detached Bungalow',
        transType : 'Resale',
        offerTypeId : 1,
        offerTypeLabel : 'Offers Over',
        sellingStatusId : '5',
        sellingStatusLabel : 'Under Offer',
        askingPrice : 430000,
        bedRooms : 4,
        receptionRooms : 3,
        bathRooms : 2,
        garage : true,
        garden : false,
        summary : 'Some short description of the property',
        fullDesc : 'SOme long description of the property. <br> tags are accepted',
        brochureDesc : 'Some long desctiption for the brochure',
        showroomDesc : 'Showroom Description',
        viewingDesc : 'Viewing description',
        rooms : [
                {
                        name : 'Dining Room',
                        width : 4.34,
                        length : 5.23,
                        fullDesc : 'Some description of this room'
                },
                {
                        name : 'Living Room',
                        width : 4.34,
                        length : 5.23,
                        fullDesc : 'Some description of this room'
                }
        ],
        epcRating : 'G',
        crad : {
                country : 'Scotland',
                region : 'Lothian',
                area : 'Edinburgh West',
                distroict : 'Barnton'
        }
        linkedMedia : {
                images : [
                        {
                                name : 'Some image name',
```

```
                              lowResUrl : 'http://somepath',
                              highResUrl : 'http://somepath',
                              gZipped : true
                       },
                       {

                              name : 'Some image name',
                              lowResUrl : 'http://somepath',
                              highResUrl : 'http://somepath',
                              gZipped : true
                       }
                ],
                brochure : 'http://some url',
                floorPlan : 'http://some url',
                movie : 'http://some url',
        }
}]
```

API Methods

Get Property

GET /properties/id HTTP/1.1

Returns json or xml for a property with a given id in the format above.

Get Properties

GET /properties HTTP/1.1

This method is now depreciated, GET /props is the preffered method.

Returns full json or xml for all properties, data for each property is of the format above. Additional parameters can be included to control search results. These can be found at: http://i.bdphq.com/controlling-output-using-the-url/

Get Props

GET /props HTTP/1.1

Returns full json or xml for all properties, including meta data about the results. Data for each property is of the format above. Additional parameters can be included to control search results. These can be found at: http://i.bdphq.com/controlling-output-using-the-url/

Put Request

PUT /request/

Creates a new request – viewing, add to mailing list, details etc

```
[{
        "propertyId" : "12345",
        "createdDate" : "26 Mar 2007 19:37:58 +0000",
        "viewingRequested" : true,
        "callbackRequested" : true,
        "sendOtherData" : true, //dpa flag for contacting about other services and properties
        "contactData" : [{
                "firstName" : "Mike ",
                "lastName" : "Smith",
                "tel1"    : "0131123456",
                "mobile" : "07787123456",
                "houseNo" : "12",
                "streetName" : "some street",
                "addrL2" : "some district",
                "town" : "Edinburgh",
                "postcode" : "EH1 1AA"
        }],
        "buyingData" : [{
                "transType" : "sale" //sale, letting, commercial, holiday
                "minPrice" : "20000",
                "maxPrice" : "500000",
                "bedRoomsMin" : "2",
                "bedRoomsMax" : "5",
                "districts" : [{
                        "Barnton, Edinburgh West",
                        "Cramond, Edinburgh West"
                }],
                "propertyTypes" : [{
                        "Detached",
                        "Bungalow"
                }],
                "keywords" : ""
        }]
}]
```

Put Stats

PUT /propertystats/

Sends a statistics report for a given property, this would be expected on a daily basis.

```
[{
        "propertyId" : "12347",
        "createdDate" : "26 Mar 2007 19:37:58 +0000",
        "statsDate"      : "26 Mar 2007 00:00:00 +0000",
        "summaryViews" : "50", //views in the search results
        "detailViews" : "15", //views of the property detail page
        "brochureDownloads" : "5",
        "floorplanDownloads" : "3",
        "movieViews" : "6"
},
{
```

```
        "propertyId" : "12345",
        "createdDate" : "26 Mar 2007 19:37:58 +0000",
        "statsDate"      : "26 Mar 2007 00:00:00 +0000",
        "summaryViews" : "50", //views in the search results
        "detailViews" : "15", //views of the property detail page
        "brochureDownloads" : "5",
        "floorplanDownloads" : "3",
        "movieViews" : "6"
}]
```