

C3 Flow - Bush Docket App Data API

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Goals

- Supply the required data for the Bush Docket App (mobile) to operate.

Controllers

All API calls require the following headers

- Content-Type: application/json
- Authorization: apikey eR6clZYg3Soh87r65s654MN2491u1A3O
- DeviceId: Device UUID

Live URL: <http://bushdocketapp-api.c3.co.nz>

Stage URL: <http://bushdocketapp-api.stage.c3.co.nz>

Branches Controller

branches (Get)

This list the branches that are available for the device (country specific)

- <http://bushdocketapp-api.stage.c3.co.nz/api/branches>
 - Headers
 - Content-Type: application/json
 - DeviceId: Device UUID
 - Authorization: apikey xxxxxxxxxxxxxxxxxxxx

Branches Response

```
[
  {
    "Code": "WHG",
    "Description": "Marsden Point"
  },
  {
    "Code": "TRG",
    "Description": "Tauranga"
  },
  {
    "Code": "NPE",
    "Description": "Napier"
  },
  {
    "Code": "NSN",
    "Description": "Nelson"
  },
  {
    "Code": "LYT",
    "Description": "Lyttelton"
  }
]
```

Carriers Controller

carriers (Get)

Get the current list of carriers from the last updated date

- <http://bushdocketapp-api.stage.c3.co.nz/api/carriers>
- <http://bushdocketapp-api.stage.c3.co.nz/api/carriers?lastUpdated=2015-09-02T07:28:39.1270000>
 - Content-Type: application/json
 - DeviceId: Device UUID
 - Authorization: apikey XXXXXXXXXXXXXXXXXXXX
- LastUpdated - the max last updated datetime of existing carrier entries on the handheld, this will return all subsequently updated carrier records, can be unset and then all carrier records will be returned. Format of yyyy-MM-ddTHH:mm:ss.ffffff (eg. 2016-04-05T10:18:35.1070000)

Carriers Response

```
[
  {
    "Code": "TOLL",
    "Description": "Toll Group",
    "LastUpdated": "2015-12-11T13:46:16.9470000",
    "IsDeleted": false
  },
  {
    "Code": "SWL",
    "Description": "Shane Wood Ltd",
    "LastUpdated": "2015-09-24T13:03:44.1600000",
    "IsDeleted": false
  },
  {
    "Code": "D&D",
    "Description": "D&D",
    "LastUpdated": "2015-09-28T12:33:50.2300000",
    "IsDeleted": false
  },
  {
    "Code": "HOLMES",
    "Description": "Holmes",
    "LastUpdated": "2015-09-28T12:33:50.2300000",
    "IsDeleted": false
  },
  {
    "Code": "WYN",
    "Description": "Wynyard",
    "LastUpdated": "2015-09-28T12:33:50.2300000",
    "IsDeleted": false
  },
  {
    "Code": "HGH",
    "Description": "Higghaul Haulage",
    "LastUpdated": "2015-09-29T08:23:38.0530000",
    "IsDeleted": false
  },
  {
    "Code": "QLH",
    "Description": "Quality Log Haulage ",
    "LastUpdated": "2015-11-02T13:12:10.7870000",
    "IsDeleted": false
  },
  {
    "Code": "RENALLS",
    "Description": "Renalls",
    "LastUpdated": "2015-11-19T12:37:37.9170000",
    "IsDeleted": false
  }
]
```

Settings Controller

settings (Get)

Get a list of Key / Value pair settings for the device

- <http://bushdocketapp-api.stage.c3.co.nz/api/settings>
- <http://bushdocketapp-api.stage.c3.co.nz/api/settings?lastUpdated=2015-09-02T07:28:39.1270000>
 - Headers
 - Content-Type: application/json
 - DeviceId: Device UUID
 - Authorization: apikey XXXXXXXXXXXXXXXXXXXX
- LastUpdated - the max last updated datetime of existing settings entries on the handheld, this will return all subsequently updated settings records, can be unset and then all settings records will be returned. Format of yyyy-MM-ddTHH:mm:ss.ffffff (eg. 2016-04-05T10:18:35.1070000)

Settings Response

```
[
  {
    "Key": "jpegCompressionDockets",
    "Value": "90",
    "LastUpdated": "2016-04-05T10:18:35.1070000",
    "IsDeleted": false
  },
  {
    "Key": "jpegCompressionPackets",
    "Value": "75",
    "LastUpdated": "2016-04-05T10:18:35.1070000",
    "IsDeleted": false
  },
  {
    "Key": "KeepHistoryFor",
    "Value": "168",
    "LastUpdated": "2016-04-05T10:18:35.1070000",
    "IsDeleted": false
  },
  {
    "Key": "LongEdgePixelCountDockets",
    "Value": "1024",
    "LastUpdated": "2016-04-05T10:18:35.1070000",
    "IsDeleted": false
  },
  {
    "Key": "LongEdgePixelCountPackets",
    "Value": "1200",
    "LastUpdated": "2016-04-05T10:18:35.1070000",
    "IsDeleted": false
  }
]
```

Registration Controller

register (Post)

Sends the registration information to the server to be processed.

- <http://bushdocketapp-api.stage.c3.co.nz/api/register>
 - Headers
 - Content-Type: application/json
 - DeviceId: Device UUID
 - Authorization: apikey XXXXXXXXXXXXXXXXXXXX
- PIN - the pin number that is being used to register this device

Registration Request

```
{
  "PIN": 123455
}
```

On successful registration the following format of message will be returned.

Registration Response - success

```
{
  "DeviceRegistered": true
}
```

On registration failure the following format of message will be returned.

Registration Response - failure

```
{
  "Message": "Invalid registration PIN"
}
```

Load Controller

load (Post)

Sends the Load information captured. This is a multipart/form-data message that enables the load data and the binary image data to be sent in the same message.

- <http://bushdocketapp-api.stage.c3.co.nz/api/load>
 - Headers
 - Content-Type: multipart/form-data
 - DeviceId: Device UUID
 - Authorization: apikey XXXXXXXXXXXXXXXXX
- Destination - destination port, links to branches
- Carrier - carrier for the load, links to carriers
- TruckRego - string, truck registration number
- FleetNumber - string, alphanumeric fleet number
- Driver - string, driver name
- Dkt# - binary data docket image where # is the docket number (starts at 1 and increases sequentially for each load, must be sent in sequential order) - ie. Dkt1, Dkt2
- Dkt#_Pkt* - binary data packet image that belongs to docket # , * is to keep the form data element unique (if there is more than one packet image for the docket) but is otherwise disregarded. ie. Dkt1_Pkt1, Dkt2_Pkt1

Load Request

```
POST /api/load HTTP/1.1
Host: localhost:52648
DeviceId: abc123456786
Authorization: apikey eR6cIZYg3Soh87r65s654MN2491u1A3O
Cache-Control: no-cache
Postman-Token: 759552bd-e9f3-fb32-7e38-b12b6e01725e
Content-Type: multipart/form-data; boundary=----WebKitFormBoundary7MA4YWxkTrZu0gW
----WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="Dkt1"; filename=""
Content-Type:
----WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="Dkt1_Pkt1"; filename=""
Content-Type:
----WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="Destination"
NPE
----WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="Carrier"
AKITIO
----WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="TruckRego"
reg1238
----WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="FleetNumber"
67853
----WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="Driver"
Rob
----WebKitFormBoundary7MA4YWxkTrZu0gW
Content-Disposition: form-data; name="Dkt1_Pkt2"; filename=""
Content-Type:
----WebKitFormBoundary7MA4YWxkTrZu0gW
```

On successful process of the load sent the following format of message will be returned.

Load Response - success

```
{
  "LoadSentSuccessfully": true,
  "NumberOfDockets": 2,
  "NumberOfPackets": 3
}
```

On failure of the load sent the following format of message will be returned.

Load Response - failure

```
{
  "Message": "Missing driver information"
}
```

