

# NIBC / CORCRA Integration service description

## Service URL

<http://nibcapi.isni.co/IntegrationService.svc>

## Service method and input parameters

GetAssetList(**string** userName, **string** password)

- userName – user name provided by NIBC / Corcra support (should start with: INTG)
- password – password provided by NIBC / Corcra support

## Service response

- ErrorMessage - empty for successful call
- Assets – list of assets for Asset group assigned to requested username

## Asset data type

- IMEI [long] – asset unique ID
- Registration [string] – Vehicle Registration number
- FriendlyName [string] – Friendly name
- Dealer [string] – Asset dealer name
- AssetType [string] – Asset type
- Icon [string] – link to Asset icon
- Active [bool] – true/false value
- Status [string] – char asset status representation
  - o P – parked
  - o D – driving
  - o I – idle > 2min
  - o X – extensively idle > 5min
- Heading [int] – numeric value from 0 to 360 direction of heading
- Location [string] – address or POI (Point Of Interest) name
- Latitude [double]
- Longitude [double]
- Speed [decimal] – kilometer per hour value
- LastUpdate [string] – unit datetime of last message in format yyyy-mm-ddThh:mm:ss
- LastReceived [string] – server received last message in format yyyy-mm-ddThh:mm:ss
- Odometer [decimal] – miles odometer value
- FuelLevel [decimal] – value from 0 to 100 percentage of fuel tank
- DigiRemainingDailyDrive [string] - 3 possible values: hh:mm, over X min or N/A
- DigiRemainingWeeklyDrive [string] - 3 possible values: hh:mm, over X min or N/A
- DigiRemainingDrive [string] - 3 possible values: hh:mm, over X min or N/A

- DigiDurationOfNextBreakRest [string] - 3 possible values: hh:mm, over X min or N/A
- DigiRemainingBreakRest [string] - 3 possible values: hh:mm, over X min or N/A
- DigiCentralTachoMessageUpdated [DateTime] – datetime of DIGI last message update
- DigiTachoSysCardNumber [string] – DIGI derived Tachograph card number
- DigiDailyDrive [string] - 3 possible values: hh:mm, over X min or N/A
- DigiTwoWeekDrive [string] - 3 possible values: hh:mm, over X min or N/A
- DigiExtendedDriveUsed [string] - 3 possible values: hh:mm, over X min or N/A
- DigiReducedRestUsed [string] - 3 possible values: hh:mm, over X min or N/A
- DigiMaximumDailyDrive [string] - 3 possible values: hh:mm, over X min or N/A
- DigiTimeLeftUntilNextDailyRest [string] - 3 possible values: hh:mm, over X min or N/A
- DigiWorkState [int]
  - o 0 – rest
  - o 1 – available
  - o 2 – work
  - o 3 – drive
- TachoWorkState [int]
  - o 0 – rest
  - o 1 – available
  - o 2 – work
  - o 3 – drive
- TachoDriverID [string] – Tachograph card number
- TachoDriverName [string] – Friendly name given to the Driver in our system
- TempTag1Name [string] – temperature tag 1 name
- TempTag1Value [decimal] – temperature tag 1 value
- TempTag2Name [string] – temperature tag 2 name
- TempTag2Value [decimal] – temperature tag 2 value
- TempTag3Name [string] – temperature tag 3 name
- TempTag3Value [decimal] – temperature tag 3 value
- TempTag4Name [string] – temperature tag 4 name
- TempTag4Value [decimal] – temperature tag 4 value
- WorkingHours [decimal] – numeric value of asset working hours (for specialist plant equipment)

## Sample Response – invalid credentials

### Request

<http://nibcapi.isni.co/IntegrationService.svc/GetAssetList?userName=nibcapi&password=nibcapi23>

### Response

```
{
  "Assets": null,
  "ErrorMessage": "Login failed. Please enter valid username and password."
}
```

## Sample request – too many requests per minute

### Request

<http://nibcapi.isni.co/IntegrationService.svc/GetAssetList?userName=nibcapi&password=nibcapi>

### Response

```
{
  "Assets": null,
  "ErrorMessage": "Last request was 3 seconds ago. Request is allowed once per 60 second period."
}
```

## Sample request – correct request

### Request

<http://nibcapi.isni.co/IntegrationService.svc/GetAssetList?userName=nibcapi&password=nibcapi>

### Response

```
{
  "Assets": [
    {
      "Active": true,
      "AssetType": "Vehicle",
      "Dealer": "NIBC",
      "DigiCentralTachoMessageUpdated": null,
      "DigiDailyDrive": "N/A",
      "DigiDurationOfNextBreakRest": "N/A",
      "DigiExtendedDriveUsed": "N/A",
      "DigiMaximumDailyDrive": "N/A",
      "DigiReducedRestUsed": "N/A",
      "DigiRemainingBreakRest": "N/A",
      "DigiRemainingDailyDrive": "N/A",
      "DigiRemainingDrive": "N/A",
      "DigiRemainingWeeklyDrive": "N/A",
      "DigiTachoSysCardNumber": null,
      "DigiTimeLeftUntilNextDailyRest": "N/A",
      "DigiTwoWeekDrive": "N/A",
      "DigiWorkState": null,
      "FriendlyName": "KN13 LJK",
      "FuelLevel": null,
      "Heading": 66,
      "IMEI": 355544064071358,
      "Icon": "http://hub.nibc.co.uk/markers/CarGrey.png",
      "LastReceived": "2018-02-01T23:44:51",
      "LastUpdate": "2018-02-01T23:45:07",
      "Latitude": 49.2915171,
      "Location": "D514 , UK",
      "Longitude": -0.2498626,
      "Odometer": 119818.62,
    }
  ]
}
```

```
"Registration": "KN13 LJK",
"Speed": 0,
"Status": "P",
"TachoDriverID": null,
"TachoDriverName": null,
"TachoWorkState": null,
"TempTag1Name": null,
"TempTag1Value": 0,
"TempTag2Name": null,
"TempTag2Value": 0,
"TempTag3Name": null,
"TempTag3Value": 0,
"TempTag4Name": null,
"TempTag4Value": null,
"WorkingHours": null
},

{
"Active": true,
"AssetType": "Vehicle",
"Dealer": "NIBC",
"DigiCentralTachoMessageUpdated": null,
"DigiDailyDrive": "N/A",
"DigiDurationOfNextBreakRest": "N/A",
"DigiExtendedDriveUsed": "N/A",
"DigiMaximumDailyDrive": "N/A",
"DigiReducedRestUsed": "N/A",
"DigiRemainingBreakRest": "N/A",
"DigiRemainingDailyDrive": "N/A",
"DigiRemainingDrive": "N/A",
"DigiRemainingWeeklyDrive": "N/A",
"DigiTachoSysCardNumber": null,
"DigiTimeLeftUntilNextDailyRest": "N/A",
"DigiTwoWeekDrive": "N/A",
"DigiWorkState": null,
"FriendlyName": "Conor Patton",
"FuelLevel": null,
"Heading": 108,
"IMEI": 355544069899662,
"Icon": "http://hub.nibc.co.uk/markers/CarBlack.png",
"LastReceived": "2018-02-01T23:11:03",
"LastUpdate": "2018-02-01T23:11:18",
"Latitude": 54.7088843,
"Location": "Greenvale Park Dale, Antrim, BT41 4 , UK",
"Longitude": -6.2080701,
"Odometer": 2291.23,
"Registration": "V555 CJP",
"Speed": 0,
```

```
"Status": "P",
"TachoDriverID": null,
"TachoDriverName": null,
"TachoWorkState": null,
"TempTag1Name": null,
"TempTag1Value": 0,
"TempTag2Name": null,
"TempTag2Value": 0,
"TempTag3Name": null,
"TempTag3Value": 0,
"TempTag4Name": null,
"TempTag4Value": null,
"WorkingHours": null
}

],

"ErrorMessage": null
}
```