

Registering API Keys

You will need to register for data access API keys to enable the Departures Board to obtain real time information from National Rail. These accounts are completely free-of-charge. There are two sources for National Rail, the legacy OpenLDBWS feed or the more recent Rail Delivery Group feeds. Both feeds contain exactly the same information. For new registrations, we recommend using the Rail Delivery Group feed as the legacy OpenLDBWS feed may be discontinued in future.



Follow the instructions below to obtain the keys you need for your board.

National Rail (Rail Delivery Group) Registration

Rail Delivery Group (RDG) API keys are available, free of charge, from the Rail Data Marketplace. Begin the process by registering a new account at:

<https://raildata.org.uk/registerPartner>

Under Account Information, select “*Individual not affiliated with a company*” for the type of organisation.

Complete all the other required fields with your personal information and then click **Register**.

You will receive an e-mail confirming that your request has been submitted. The account creation process can take up to 3 working days, but it is usually approved the same working day.

Follow the instructions in the subsequent “*Welcome to Rail Data Marketplace*” e-mail to setup your password and then login with your username and password.

You will be asked to setup multi-factor authentication (MFA) – follow the instructions and agree to the *Terms of Use* and *Privacy Policy*.

Account information

We'll use these details to check your request and create a public profile for your account. Select 'make visible to others' to choose what to show on your profile.

You must complete all the fields unless they're optional.

Type of organisation

Choose the option that describes your organisation. Select Individual if you're not part of an organisation.

Your organisation type is publicly visible to others

Individual not affiliated with a company

Account display name

Enter your organisation's name, like Rail Delivery Group. If you're not part of an organisation, enter a professional public display name. You cannot change this later.

Rail Delivery Group

National Rail

Hi [redacted]

Thanks for joining Rail Data Marketplace (RDM)! You're registered on the platform.

Your username is: [redacted]

To access RDM, create a password at: <https://raildata.org.uk/forgotPassword>

Enter your username then select 'Reset password.' You'll receive an email with a code and link to create your password.

Use your username and new password to sign in. These

Once you have successfully logged in, go to:

<https://raildata.org.uk/dataProduct/P-d81d6eaf-8060-4467-a339-1c833e50cbbe/overview>

to jump directly to the “*Live Departure Board*” API product. Ensure that version **1.1** is selected and click **Subscribe**.

The T&Cs will be displayed, where you can confirm that the charging model is “*Free*” with no usage limit.

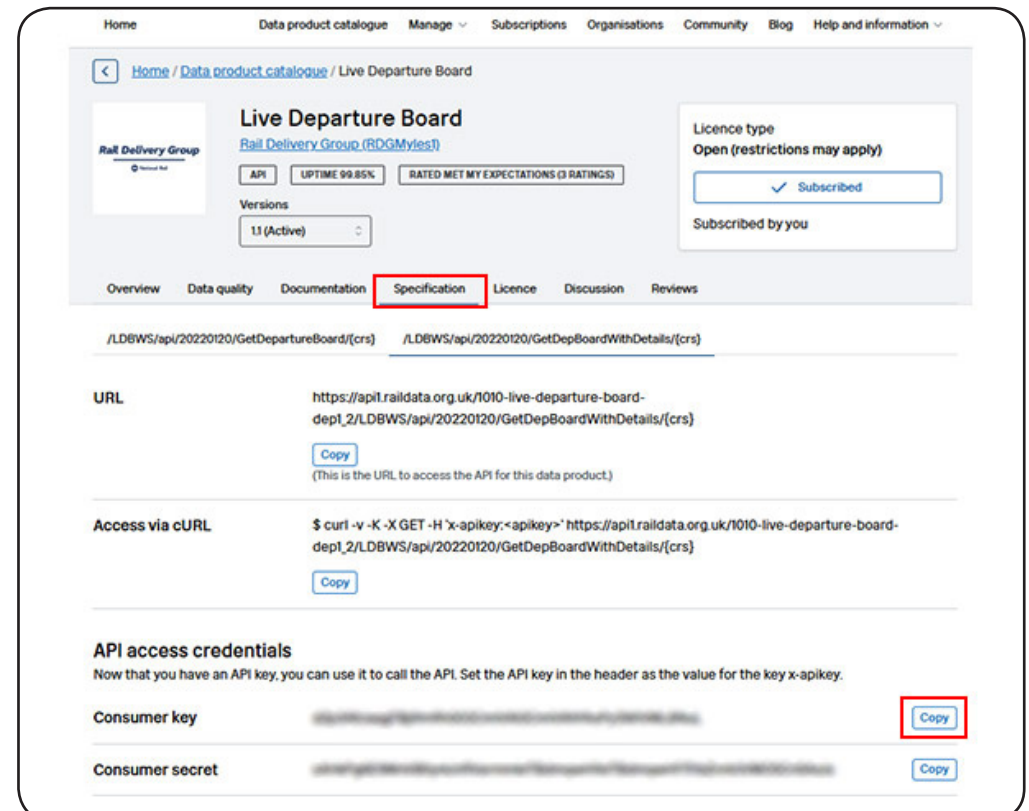
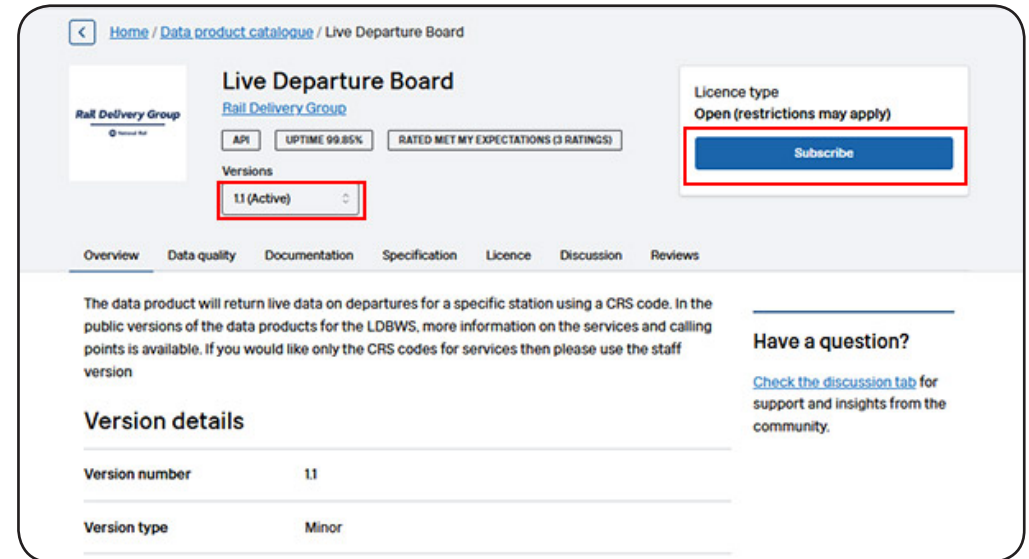
Scroll down and confirm the “*I have read and accept the licence terms and conditions*” box. Click on the **Subscribe for free** button.

A confirmation screen will be displayed. Click on **View subscriptions** and then click on “*Live Departure Board*” in the list of subscriptions.

Click on **Specification** and scroll down to the *API access credentials* section.

Copy your **Consumer key** – this is the API key you need to enter in the “*RDG Live Departure Board API key*” box in the Departures Board setup.

Optionally, if you would like to display the “*Last seen at*” information for services on the Departures Board, continue below to obtain a key for the *Service Details* API.



To display the “*Last seen at*” information, you will need a *Service Details* API key. Go to:

<https://raildata.org.uk/dataProduct/P-4dec1247-d040-4290-80a4-639dfac54a92/overview>

to jump directly to the “*Service Details*” API product. Ensure that version **1.1** is selected and click **Subscribe**.

The T&Cs will be displayed, where you can confirm that the charging model is “*Free*” with no usage limit.

Scroll down and confirm the “*I have read and accept the licence terms and conditions*” box. Click on the **Subscribe for free** button.

A confirmation screen will be displayed. Click on **View subscriptions** and then click on “*Service Details*” in the list of subscriptions.

Click on “*Specification*” and scroll down to the *API access credentials* section.

Copy your **Consumer key** – this is the API key you need to enter in the “*RDG Service Details API key*” box in the Departures Board setup.

Home / Data product catalogue / Service Details

Service Details

Rail Delivery Group (RDGMyles1)

API UPTIME 98.65%

Versions

1.1 (Active)

Licence type
Open (restrictions may apply)

Subscribe

Overview Data quality Documentation Specification Licence Discussion Reviews

The data product will return the service details for a specified service. This data product is to be used in conjunction with endpoints in the public versions of Live Departure Board Web Service and not the Live Departure Board Staff Version Web Service

Have a question?

[Check the discussion tab](#) for support and insights from the community.

Version details

Version number	1.1
Version type	Minor

Home Data product catalogue Manage Subscriptions Organisations Community Blog Help and information

Home / Data product catalogue / Service Details

Service Details

Rail Delivery Group (RDGMyles1)

API UPTIME 98.65%

Versions

1.1 (Active)

Licence type
Open (restrictions may apply)

Subscribed

Subscribed by you

Overview Data quality Documentation Specification Licence Discussion Reviews

/LDBWS/api/20220120/GetServiceDetails/{serviceid}

URL `https://api1.raildata.org.uk/1010-service-details1_2/LDBWS/api/20220120/GetServiceDetails/{serviceid}`

(This is the URL to access the API for this data product.)

Access via cURL `$ curl -v -K -X GET -H 'x-apikey:<apikey>' https://api1.raildata.org.uk/1010-service-details1_2/LDBWS/api/20220120/GetServiceDetails/{serviceid}`

API access credentials

Now that you have an API key, you can use it to call the API. Set the API key in the header as the value for the key x-apikey.

Consumer key	[Redacted]	Copy
Consumer secret	[Redacted]	Copy

OpenWeather Registration (Optional)

By default, the board will obtain weather information from the Open-Meteo service. If you prefer to use OpenWeather (which usually provides slightly more localised weather conditions), you will need an OpenWeather Map API key.

Begin the registration process at https://home.openweathermap.org/users/sign_up

Fill in your details and click **Create Account**.

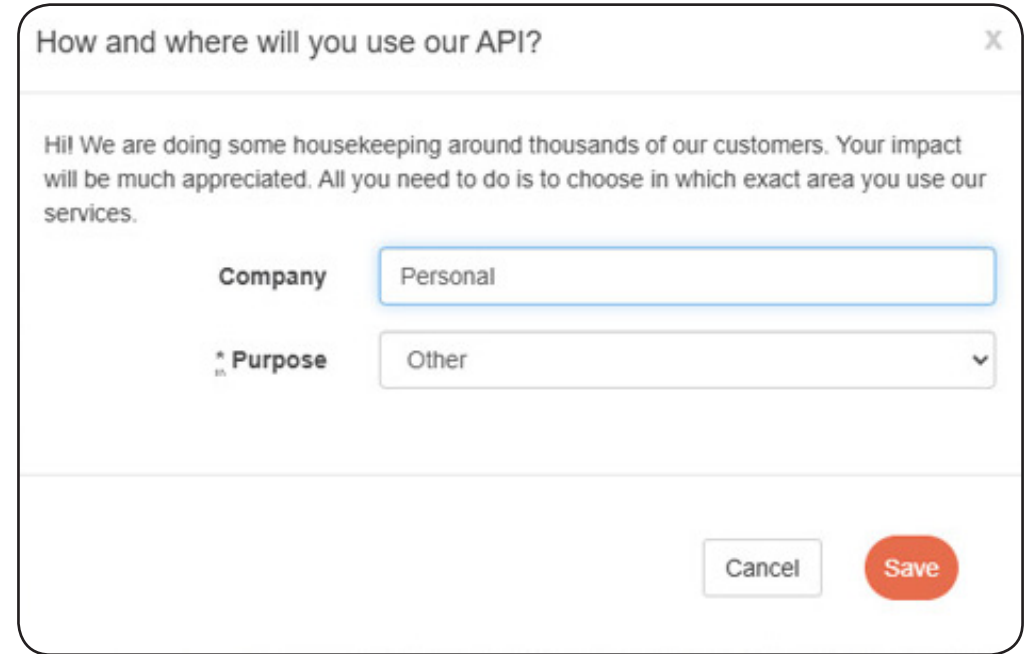
You will be asked “How and where will you use our API?” Simply enter *Personal* and *Other* as your response.

You will then receive an *OpenWeatherMap Account confirmation* e-mail (check your spam folder) containing a link to verify your account.

Once your e-mail address has been confirmed, select **API** from the menu.

Your default API key will have been created and can be used for the Departures Board.

Note, it can take up to 60 minutes for the key to be fully activated before it can be used by the Departures Board.

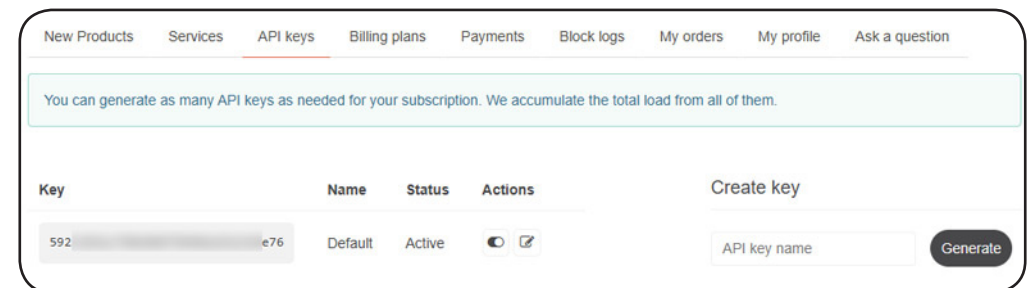
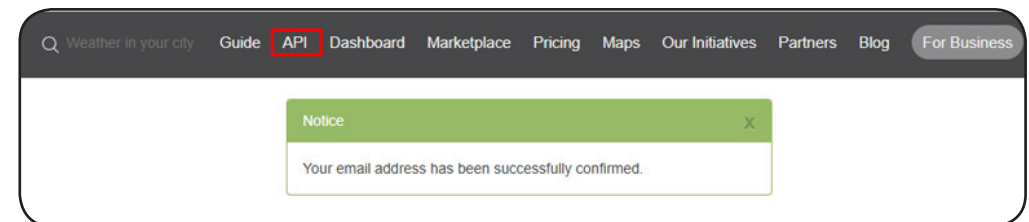


How and where will you use our API?

Hi! We are doing some housekeeping around thousands of our customers. Your impact will be much appreciated. All you need to do is to choose in which exact area you use our services.

Company

*** Purpose**



New Products Services **API keys** Billing plans Payments Block logs My orders My profile Ask a question

You can generate as many API keys as needed for your subscription. We accumulate the total load from all of them.

Key	Name	Status	Actions	Create key
592	e76	Default Active	<input type="checkbox"/> <input type="checkbox"/>	<input type="text" value="API key name"/> <input type="button" value="Generate"/>

National Rail (OpenLDBWS) Registration

If you prefer, you can currently still register for an API token using the OpenLDBWS feed. However, this feed may be discontinued by National Rail in the future so for new installations we recommend using the Rail Delivery Group feed (above) instead.

Begin the registration process at:

<https://realtime.nationalrail.co.uk/OpenLDBWSRegistration>


Select to register for access to OpenLDBWS.

Choose a username and enter your contact details.

Complete the *Description of intended use*, *Usage Type*, *User Type* and *Proposed Usage* details as show here.

Click **Submit**.

OpenLDBWS Registration



Register for OpenLDBWS

From this page you may register for access to the National Rail Enquiries LDBWS, OpenLDBWS.

Service status can be checked below. Refresh the page for the most up-to-date information.

To register for access to OpenLDBWS [click here](#).

Service Status

Darwin LDBWS • Available

OpenLDBWS Registrations • Available

[Usage Charging Guide](#) • [Developer Guidelines](#) • [Privacy Policy](#) • [Terms & Conditions](#) • [LDBWS User Guide](#) • [Brand Guidelines & Logos](#)

Email Address

Phone Number (Optional)

Description of intended use
255 characters maximum

Usage Type

User Type

Proposed Usage

Website
App
Screens
Software
Data Feed Integration
Research and Development
Other

Enter *Departure Boards* when prompted for the Application Name.


Click **Submit**.

The Terms and Conditions will be displayed. Complete the “I’m not a robot” reCAPTCHA and then tick to accept the *terms and conditions* and *brand guidelines*.

Click **Submit**.

Your registration will now be pending. Check for a *Account Activation Pending* e-mail and click the link provided to activate your new account.

Your account is now activated and your token is displayed. You will also receive the token by email – keep it safe in case you ever need to completely reset you Departures Board.

OpenLDBWS Registration 


Registration: Intended Usage
Step 2 of 5

Please could you provide additional information about your intended usage.
All fields are mandatory unless indicated otherwise.

Application Name
The name of the app you are developing.
255 characters maximum

Departure Boards


Back **Submit**

I'm not a robot  [Privacy](#) [Terms](#)

I accept the terms and conditions as defined above.

I agree to attribute NRE using the [Brand Guidelines & Logos](#) provided.

Back **Submit**


OpenLDBWS Registration 

Registration: Pending Activation
Step 4 of 5

Your registration has been successfully submitted.




Please check your email for a validation link to finish your request for access. Once validated, a token will be generated and you will be able to start using OpenLDBWS.

Please note: Any accounts not validated within 24 hours will be removed from the system.

OpenLDBWS Registration 

Registration: Account Activation
Step 5 of 5

Your account has been activated.

Username: 
Email Address: 
Your Token: 17aa  1b4

These details, along with service documentation, have been emailed to you for your records.

Please note: Your token may take up to ten minutes to become available.