

Diagramming Software Tutorial

The results of this program are not wholly or 100% accurate, as not all services to/from a platform are listed on simple mode in realtimetrains. Diagrams with ECS movements are likely to be incomplete or incorrect, especially at the end of service.

Please find source code at <https://github.com/Nunners60007/Diagramming> or search Diagramming on GitHub. Feel free to use any components, as long as credit is given.

If you have any problems, please contact Nunners on RailUK Forums or alexanderdgnunn@gmail.com (please note: Your email may not be seen so if no response within a few days, please email again).

Step 1: Install Java:

https://www.java.com/en/download/help/windows_manual_download.xml

This should make your computer able to run executable jar files, which is what the diagramming software is.

Step 2: Sign up for the Realtimetrains API

Warning: This has not been working for me in Google Chrome, it has been working in Microsoft Edge.

1. Go to <https://api.rtt.io/accounts/login>
2. Click on Register:

Login

Username

Password

Login

Don't have an account? [Register](#)

[Forgotten password?](#)

3. Enter your details
4. Verify your account with the email address you entered. You should get an email from **rtt.api@swlines.co.uk**
5. Login again. This should take you to this page:

Realtime Trains API

Welcome to the Realtime Trains API portal.

This portal is still subject to development and may have intermittent outages dependent on service load.

API Documentation: realtimetrains.co.uk/api
Endpoint: api.rtt.io/api/v1/
Example: api.rtt.io/api/v1/json/search/BMH

API Auth Credentials
Username: [rttapi](#)
Password: [9bc090e05b5f37e952313d39c](#)

Usage of this service is subject to a very simple clause. You must, at all times, credit Realtime Trains in any work that you create from this service. Beyond that, as long as you're not using the service for commercial purposes then use it to your heart's content!

This service, in the future, will provide statistics as to your usage of the API on this portal. Please note, that at present, this is logged and monitored to safeguard against misuse but is otherwise unavailable.

Support

If you require support for the API, please contact our [support email address](#) (subject to change).

News

Any important service news will appear here and will also be emailed out to all registered users.

Make note of your username and password on the right (where it says API Auth Credentials)

Step 3: Download the .jar file from GitHub

1. Go to <https://github.com/Nunners60007/Diagramming-For-Download> or search Diagramming-For-Download in GitHub and select the repository managed by Nunners60007 (me!) (should be the first result)
2. Click on Diagramming-Software.jar

Nunners60007 / Diagramming-For-Download

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master1 branch0 tags

Go to fileCode

Nunners60007 Added file for download

03d21bd2 hours ago1 commits

Diagram.jar

Added file for download

2 hours ago

About

Executable jar file for download as Diagramming software

Releases

No releases published

Packages

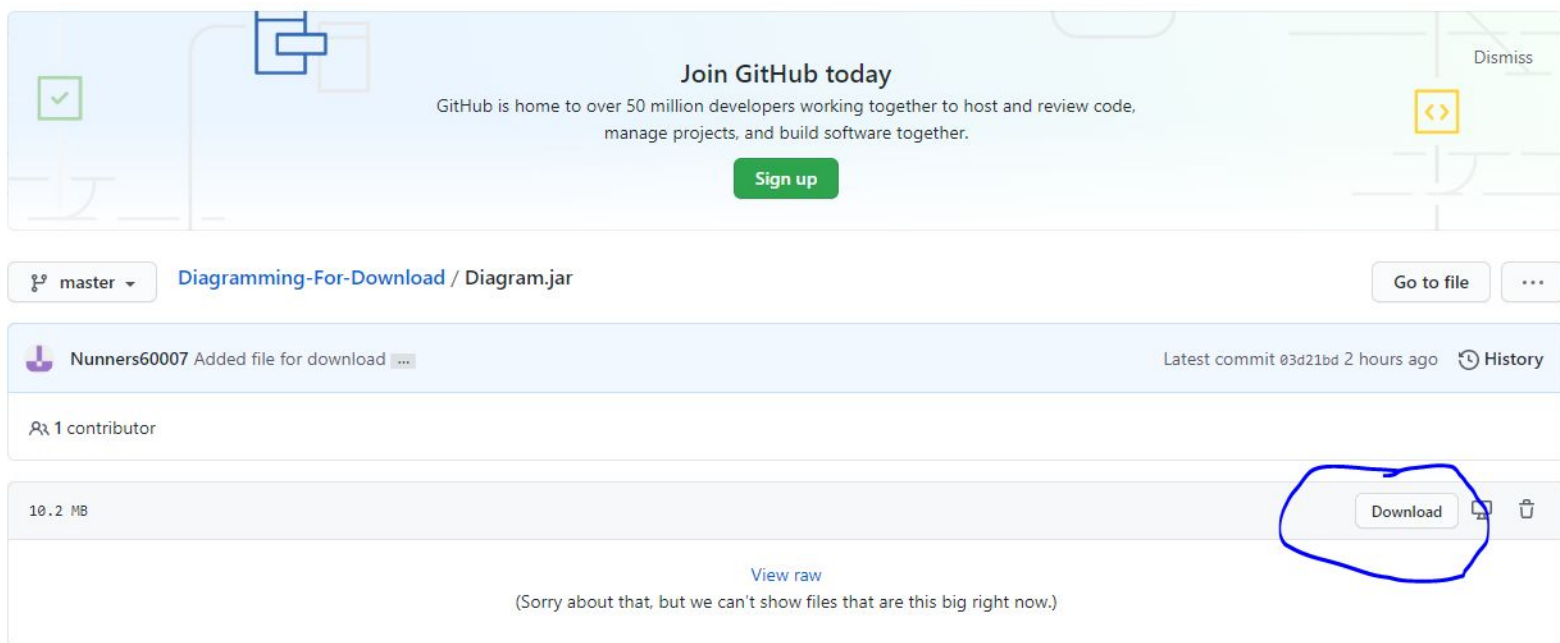
No packages published

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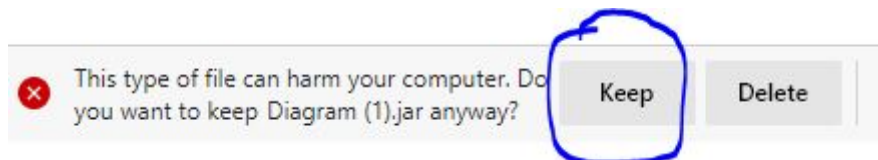
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3. Click "Download"



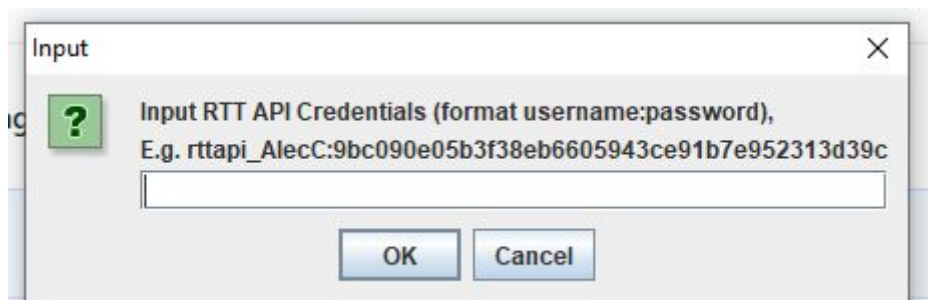
4. Your browser will warn you that this type of file can harm your computer. This is because it is an executable jar file, so can change computer settings. This program is completely safe and does not interfere with any settings or files beyond creating a credentials text file for your credentials. Click "Keep" to keep the file.



5. Move the file to the place where you want to store it. It will be in Downloads by default.

Step 4: Use the program!

1. Double-click the file to start it.
2. It will notice that no credentials file is present. You will be asked to enter your credentials. These are for the RealtimeTrains API that you made a note of in Step 2.



3. Enter the start date for the service you want to diagram, e.g. 2020/08/21

- Enter the realtimetrains service UID that you want to start the diagram with. This will be in the URL and service info on the realtimetrains website:

realtimetrains.co.uk/train/L81651/2020-08-21/detailed

project mapping Split Train Tickets (...) www.realtimetrains... National Rail Enquir... RailUK Forums BR Fares - Home Pa... Routeing Guide Dat... BR Times - Train Ti... FastIP Journey Plan

RTI NEWS SEARCH CONTACT SHOP Quick Search GO

IC16 1332 LONDON PADDINGTON TO BRISTOL TEMPLE MEADS
DEPARTING TODAY

OPERATED BY GREAT WESTERN RAILWAY

THE WEEK Billionaires. Who is the richest person in the world? I want to know

- UID L81651, identity 1C16
- TSC 25370002, headcode 4332
- Altered WTT schedule
- 21st August 2020 only
- Express Passenger
- Great Britain (Network Rail, TPS)

- Starts as Class 80x on electric, changes en route
- Planned for 125mph max
- First & Standard class seating
- Reservations compulsory
- Trolley service

- TRUST ID 731C16MN21
- Activated 21/08/2020 12:32

Mi.Ch	Location	PI	GBTT		WTT		Realtime			Route	
			Arr	Dep	Arr	Dep	Arr	Dep	Dly	Path	Line
0.00	London Paddington [PAD]	3		1332		1332		1335¼	+3		2
0.41	Royal Oak Junction				pass	1333	pass	1336¼	+3		
1.28	Portobello Jn (London)				pass	1334½	pass	1337½	+3		
1.68	Ladbroke Grove				pass	1335	pass	1338	+3	2	DM
2.55	Old Oak Common East				pass	1335½	pass	1339	+3		
3.15	Old Oak Common West				pass	1336	pass	1339½	+3		
3.48	Friars Jn				pass	1336½	pass	1339¾	+3		
4.16	Acton Main Line [AML]				pass	1337	pass	1340¼	+3		
4.75	Acton West				pass	1337½	pass	1340¾	+3	ML	ML
5.51	Ealing Broadway [EAL]	1			pass	1338	pass	1341	+3		
6.41	West Ealing [WEA]				pass	1338½	pass	1341½	+3		
6.49	West Ealing Junction				pass	1338½	pass	1341½	+3		
7.23	Hanwell [HAN]				pass	1338½	pass	1341¾	+3		
8.57	Southall East Jn				pass	1339½	pass	1342½	+3		

- It will bring up a screen with all services in the diagram. Click the button near the bottom to enter another UID and date. Below that, there are details of services that split and join with others in the diagram. It contains the service UID, headcode, start time, origin TIPLOC ID and destination TIPLOC ID for each service.

Diagramming Program	
Service UID	Description
X10273	1C56 1905 VICTRIC PHBR
X10227	1J69 2111 PHBR VICTRIC
X10625	1B56 1905 VICTRIC BOGNORR
X10282	2P95 2136 BOGNORR BRHM
X11860	2P70 2225 BRHM BOGNORR
X11840	2P99 2315 BOGNORR BRHM
X11862	1H92 0012 BRHM BOGNORR
X10495	1C69 2129 BOGNORR VICTRIC
X10388	1C94 2335 VICTRIC HORSHAM
X10287	1F66 2215 VICTRIC EBOURNE
Click here to find another diagram	
Additional Information: X10273 divides to form X10227 X10625 joins with X10282 X10495 divides to form X10388	