Next Train API
API Specification

Version 1.2
15 May 2022

Version	Details of Change	Effective Date
1.0	Initial Release.	18 July, 2019
1.1	Added TML Line	27 June, 2021
1.2	- Added East Rail Line (EAL) - Added fields for returned result	15 May, 2022

Table of Contents

1. Introduction

The Next Train API provides the train arrival schedule for MTR Airport Express Line, Tung Chung Line, Tuen Ma line and Tseung Kwan O Line.

2. API

API Type: REST
HTTP Method: GET
Resource URL: https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php

Parameters:
The following table shows the required variables when using the API. Valid result will be returned only if the combination of parameter 1(line) and parameter 2(sta) is correct

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
AEL	Airport Express	HOK	Hong Kong
		KOW	Kowloon
		TSY	Tsing Yi
		AIR	Airport
		AWE	AsiaWorld Expo
TCL	Tung Chung Line	HOK	Hong Kong
		KOW	Kowloon
		OLY	Olympic
		NAC	Nam Cheong
		LAK	Lai King
		TSY	Tsing Yi
		SUN	Sunny Bay
		TUC	Tung Chung
TML	Tuen Ma Line	WKS	Wu Kai Sha
		MOS	Ma On Shan
		HEO	Heng On
		TSH	Tai Shui Hang
		SHM	Shek Mun
		CIO	City One
		STW	Sha Tin Wai
		CKT	Che Kung Temple
		TAW	Tai Wai
		HIK	Hin Keng
		DIH	Diamond Hill
		KAT	Kai Tak
		SUW	Sung Wong Toi
		TKW	To Kwa Wan
		HOM	Ho Man Tin
		HUH	Hung Hom
		ETS	East Tsim Sha Tsui
		AUS	Austin
		NAC	Nam Cheong
		MEF	Mei Foo

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
		TWW	Tsuen Wan West
		KSR	Kam Sheung Road
		YUL	Yuen Long
		LOP	Long Ping
		TIS	Tin Shui Wai
		SIH	Siu Hong
		TUM	Tuen Mun
TKL	Tseung Kwan O Line	*NOP*	North Point
		QUB	Quarry Bay
		YAT	Yau Tong
		TIK	Tiu Keng Leng
		TKO	Tseung Kwan O
		LHP	LOHAS Park
		HAH	Hang Hau
		POA	Po Lam
EAL	East Rail Line	*ADM*	Admiralty
		EXC	Exhibition Centre
		HUH	Hung Hom
		MKK	Mong Kok East
		KOT	Kowloon Tong
		TAW	Tai Wai
		SHT	Sha Tin
		FOT	Fo Tan
		RAC	Racecourse
		UNI	University
		TAP	Tai Po Market
		TWO	Tai Wo
		FAN	Fanling
		SHS	Sheung Shui
		LOW	Lo Wu
		LMC	Lok Ma Chau

The following table shows the optional variable, *lang,* which specify the language of the retuned result. The default language is English.

Parameter 3 (lang) - *Optional*	Description
EN	English (Default)
TC	Traditional Chinese

Response Code:

HTTP code	Definition
200	Success
429	Too Many Requests
500	Internal Server Error

Example Request (Success Case):
https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=TKL&sta=TKO

Example Response:

```
{
    "sys_time": "2022-04-25 15:19:59",
    "curr_time": "2022-04-25 15:19:59",
    "data": {
        "TKL-TKO": {
            "curr_time": "2022-04-25 15:19:59",
            "sys_time": "2022-04-25 15:19:59",
            "UP": [
                {
                    "ttnt": "1",
                    "valid": "Y",
                    "plat": "1",
                    "time": "2022-04-25 15:20:00",
                    "source": "-",
                    "dest": "POA",
                    "seq": "1"
                },
                {
                    "ttnt": "4",
                    "valid": "Y",
                    "plat": "1",
                    "time": "2022-04-25 15:24:00",
                    "source": "-",
                    "dest": "LHP",
                    "seq": "2"
                }
            ],
            "DOWN": [
                {
                    "ttnt": "2",
                    "valid": "Y",
                    "plat": "2",
                    "time": "2022-04-25 15:21:00",
```

```json
                "source": "-",
                "dest": "NOP",
                "seq": "1"
            },
            {
                "ttnt": "4",
                "valid": "Y",
                "plat": "2",
                "time": "2022-04-25 15:23:00",
                "source": "-",
                "dest": "TIK",
                "seq": "2"
            }
        ]
    }
    },
    "status": 1,
    "message": "successful",
    "isdelay": "N"
}
```

Example Request (Special Train Services Arrangement Case):
https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=TKL&sta=TKO&lang=en

Example Response:

```json
{
    "status": 0,
    "message": "Special train service arrangements are now in place on this line. Please click
here for more information.",
    "url": "https://www.mtr.com.hk/alert/alert_title_wap.html",
    "cur_time": "2019-06-13 17:34:58"
}
```

Example Request (Data Absence):
https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=TKL&sta=TKO&lang=en

Example Response:

```json
{
    "sys_time": "-",
    "curr_time": "-",
    "data": {
        "TKL-TKO": {
            "curr_time": "-",
            "sys_time": "-"
        }
    },
    "status": 1,
    "message": "successful",
    "isdelay": "Y"
}
```

Example Request (Last Train):
https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=TKL&sta=TKO&lang=en

Example Response:

```json
{
    "sys_time": "2019-06-13 01:10:42",
    "curr_time": "2019-06-13 01:10:42",
    "data": {
        "TKL-TKO": {
            "curr_time": "2019-06-13 01:10:00",
            "sys_time": "2019-06-13 01:10:00",
            "UP": [
                {
                    "ttnt": "2",
                    "valid": "Y",
                    "plat": "1",
                    "time": "2019-06-13 01:17:00",
                    "source": "-",
                    "dest": "POA",
                    "seq": "1"
                }
            ],
            "DOWN": [
            ]
        }
    },
    "status": 1,
    "message": "successful",
    "isdelay": "N"
}
```

Example Request (Suspension of East Rail Line LOW / LMC station):
https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=EAL&sta=LOW&lang=en

Example Response:

```json
{
    "status": 0,
    "message": "LOW station is suspended"
}
```