

Next Train API API Specification

**Version 1.4
17 April 2023**

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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
1.3	Added South Island Line (SIL)	30 January, 2023
1.4	Added Tsuen Wan Line (TWL)	17 April, 2023

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1. Introduction

The Next Train API provides the train arrival schedule for MTR Airport Express Line, Tung Chung Line, Tuen Ma line, Tseung Kwan O Line, East Rail Line, South Island Line and Tsuen Wan 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	<i>HOK</i>	Hong Kong
		<i>KOW</i>	Kowloon
		<i>TSY</i>	Tsing Yi
		<i>AIR</i>	Airport
		<i>AWE</i>	AsiaWorld Expo
TCL	Tung Chung Line	<i>HOK</i>	Hong Kong
		<i>KOW</i>	Kowloon
		<i>OLY</i>	Olympic
		<i>NAC</i>	Nam Cheong
		<i>LAK</i>	Lai King
		<i>TSY</i>	Tsing Yi
		<i>SUN</i>	Sunny Bay
		<i>TUC</i>	Tung Chung
TML	Tuen Ma Line	<i>WKS</i>	Wu Kai Sha
		<i>MOS</i>	Ma On Shan
		<i>HEO</i>	Heng On
		<i>TSH</i>	Tai Shui Hang
		<i>SHM</i>	Shek Mun
		<i>CIO</i>	City One
		<i>STW</i>	Sha Tin Wai
		<i>CKT</i>	Che Kung Temple
		<i>TAW</i>	Tai Wai
		<i>HIK</i>	Hin Keng
		<i>DIH</i>	Diamond Hill
		<i>KAT</i>	Kai Tak
		<i>SUW</i>	Sung Wong Toi
		<i>TKW</i>	To Kwa Wan
		<i>HOM</i>	Ho Man Tin
		<i>HUH</i>	Hung Hom
		<i>ETS</i>	East Tsim Sha Tsui
		<i>AUS</i>	Austin
		<i>NAC</i>	Nam Cheong
		<i>MEF</i>	Mei Foo

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
		<i>TWW</i>	Tsuen Wan West
		<i>KSR</i>	Kam Sheung Road
		<i>YUL</i>	Yuen Long
		<i>LOP</i>	Long Ping
		<i>TIS</i>	Tin Shui Wai
		<i>SIH</i>	Siu Hong
		<i>TUM</i>	Tuen Mun
TKL	Tseung Kwan O Line	<i>NOP</i>	North Point
		<i>QUB</i>	Quarry Bay
		<i>YAT</i>	Yau Tong
		<i>TIK</i>	Tiu Keng Leng
		<i>TKO</i>	Tseung Kwan O
		<i>LHP</i>	LOHAS Park
		<i>HAH</i>	Hang Hau
		<i>POA</i>	Po Lam
EAL	East Rail Line	<i>ADM</i>	Admiralty
		<i>EXC</i>	Exhibition Centre
		<i>HUH</i>	Hung Hom
		<i>MKK</i>	Mong Kok East
		<i>KOT</i>	Kowloon Tong
		<i>TAW</i>	Tai Wai
		<i>SHT</i>	Sha Tin
		<i>FOT</i>	Fo Tan
		<i>RAC</i>	Racecourse
		<i>UNI</i>	University
		<i>TAP</i>	Tai Po Market
		<i>TWO</i>	Tai Wo
		<i>FAN</i>	Fanling
		<i>SHS</i>	Sheung Shui
		<i>LOW</i>	Lo Wu
		<i>LMC</i>	Lok Ma Chau
SIL	South Island Line	<i>ADM</i>	Admiralty
		<i>OCP</i>	Ocean Park
		<i>WCH</i>	Wong Chuk Hang
		<i>LET</i>	Lei Tung
		<i>SOH</i>	South Horizons
TWL	Tsuen Wan Line	<i>CEN</i>	Central
		<i>ADM</i>	Admiralty
		<i>TST</i>	Tsim Sha Tsui
		<i>JOR</i>	Jordan
		<i>YMT</i>	Yau Ma Tei
		<i>MOK</i>	Mong Kok
		<i>PRE</i>	Price Edward

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
		SSP	Sham Shui Po
		CSW	Cheung Sha Wan
		LCK	Lai Chi Kok
		MEF	Mei Foo
		LAK	Lai King
		KWF	Kwai Fong
		KWH	Kwai Hing
		TWH	Tai Wo Hau
		TSW	Tsuen Wan

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

Parameter 3 (lang) - <i>Optional</i>	Description
<i>EN</i>	English (Default)
<i>TC</i>	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",
```

```
        "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:

```
{
  "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:

```
{
  "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:

```
{
  "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:

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