Bus Route List and Estimated Arrival Time of a Specific Bus Stop API

Data Dictionary

Version 1.1

December 2021

Amendment History

Version Number	Revision Details	Revision Date	Author
1.0	Initial Version	December 2019	DA Division, OGCIO
1.1	Replaced "generated_timestamp " with "generated_timestamp"	December 2021	DA Division, OGCIO

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1. Data Dictionary

Below is the list of data fields returned from the API and their definition.

Stop-Route API

Data Field	Data Type	Description	Definition (if applicable)	Example
type	String	The corresponding API that returns the data.	The value will always be "StopRoute".	"type": "StopRoute"
version	String	The version number of the JSON returned.	The version number in major and minor versioning format.	"version": "1.1"
generated_timestamp	String	The timestamp of the initial generated time of the response before it is cached.	Date time with time zone in ISO 8601 format.	"generated_timestamp": "2019-06-04T11:27:24+08:00"
data	Array of Object	The list of data object requested.	Each object consists of the following fields: • co • dir • overnightRoute • route • routeId • routeName	"data": [{ "co": "CTB", "dir": "I", "overnightRoute": null, "route": "40M", "routeId": null, "routeName": null,

			• seq • specialRoute • stop • data_timestamp Note that `null` in a data field indicates the field is not applicable for the respective bus company.	"seq": "10", "specialRoute": null, "stop": "001001", "data_timestamp": "2019-09-26T05:00:06+08:00" }] Note: Empty data object denotes data not found.
co	String	The company code of a bus company.	The valid company codes are: • CTB for Citybus Limited • NWFB for New World First Bus Services Limited • NLB for New Lantao Bus Company Limited	"co": "CTB"
dir	String	The direction of a bus route. Note: Not applicable for NLB.	The direction can be: • I – Inbound • O – Outbound	"dir": "I"
overnightRoute	Numeric	Indicator of an overnight route.	The value can be:	"overnightRoute": 1

		Note: Not applicable for CTB and NWFB.	• 0 – not an overnight route • 1 – an overnight route	
route	String	The route number of the requested company.		"route": "N35"
routeId	String	Route ID of the respective company's route. Note: Not applicable for CTB and NWFB.		"routeId": "92"
routeName	String	The name of a route. Note: Not applicable for CTB and NWFB.		"routeName": "Mui Wo Ferry Pier > HZMB Hong Kong Port"
seq	Numeric	The stop sequence number of a bus route. Note: Not applicable for NLB.		"seq": 1

specialRoute	Numeric	Indicator of a special route. Note: Not applicable for CTB and NWFB.	The value can be: • 0 – not a special route • 1 – a special route	"specialRoute": 0
stop	String	The ID of a bus stop.		"stop": "000975"
data_timestamp	String	The timestamp of the data when it was initially prepared from the origin server.	Date time with time zone in ISO 8601 format.	"data_timestamp": "2019-04-26T15:28:00+08:00"

Stop-ETA API

Data Field	Data Type	Description	Definition (if applicable)	Example
type	String	The corresponding API that returns the data.	The value will always be "StopETA".	"type": "StopETA"
version	String	The version number of the JSON returned.	The version number in major and minor versioning format.	"version": "1.0"
generated_timestamp	String	The timestamp of the initial generated time of the response before it is cached.	Date time with time zone in ISO 8601 format.	"generated_timestamp": "2019-06-04T11:27:24+08:00"
data	Array of Object	The list of data object requested.	Each object consists of the following fields: • co • route • dir • seq • stop • dest • eta_seq • eta • rmk • routeVariantName	"data": [{ "co": "NLB", "route": "1", "dir": null, "seq": null, "stop": "1", "dest": "大澳", "eta_seq": null, "eta": "2019-09-26T15:50:00+08:00", "rmk": "預計抵站時間會受實際交通狀況影響，請提早到達

			• departed • noGPS • wheelChair • data_timestamp	巴士站候車；預定班次根據總站開出時間表計算，實際開出時間可因車務安排調節", "routeVariantName": "經: 梅窩舊墟", "departed": 0, "noGPS": 1, "wheelChair": 0, "data_timestamp": "2019-09-26T15:42:04+08:00" }]
co	String	The company code of a bus company.	The valid company codes are: • CTB for Citybus Limited • NWFB for New World First Bus Services Limited • NLB for New Lantao Bus Company Limited	"co": "CTB" Note: Empty data object denotes data not found.
route	String	The route number of the requested company.		"route": "1",
dir	String	The direction of a bus route.	The direction can be: • I – Inbound	"dir": "I"

		Note: Not applicable for NLB.	• O – Outbound	
seq	Numeric	The stop sequence number of a bus route. Note: Not applicable for NLB.		"seq": 1
stop	String	The ID of a bus stop.		"stop": "000975"
dest	String	The destination of a route.		"dest_en": "Happy Valley (Upper)
eta_seq	Numeric	The sequence number of ETA. For example: 1 represents the next ETA, 2 represents the ETA after the first, etc. Note: Not applicable for NLB.	Any numeric number	"eta_seq": 1
eta	String	The timestamp of the next ETA.	Date time with time zone in ISO 8601 format.	"eta": "2019-05-20T15:48:00+08:00"
rmk	String	Remark of an ETA.		

routeVariantName	String	Supplementary route name. Note: Not applicable for CTB and NWFB.		"routeVariantName": "經: 梅窩舊墟"
departed	Numeric	Indicator of a departed trip (i.e. departed from the first stop of the route). Note: Not applicable for CTB and NWFB.	The value can be: • 0 – Not departed from the first stop of the route • 1 – departed from the first stop of the route	"departed": 0
noGPS	Numeric	Indicator if the bus is equipped with GPS. Note: Not applicable for CTB and NWFB.	The value can be: • 0 – Non GPS equipped bus • 1 – GPS equipped bus	"noGPS": 1
wheelChair	Numeric	Indicator if the bus is wheelchair accessible. Note:	The value can be: • 0 – Non wheelchair accessible bus • 1 – Wheelchair	"wheelChair": 0

		Not applicable for CTB and NWFB.	accessible bus	
data_timestamp	String	The timestamp of the data when it was initially prepared from the origin server.	Date time with time zone in ISO 8601 format.	"data_timestamp": "2019-04-26T15:28:00+08:00"