Swedavia
AirportInfo API

apideveloper.swedavia.se

Using the AirportInfo API

Table of contents

1 THE AIRPORTINFO API

The AirportInfo API offers information about Swedavia's airports. This includes bus arrivals and bus departures, flight destinations, parking information, restaurants, shops and services at the airports.

1.1 Date and time values

Datetimes are returned in UTC format.

1.2 Airport and city identifiers

The aviation sector often makes use of IATA codes to represent airports and cities. The codes are maintained by the organization IATA. Several of the endpoints at the Airport Info API accepts IATA codes as parameters or includes them in the response. Codes are typically containing three characters. While each airport has its own code, some cities with multiple airports also have a unique code allocated.

1.2.1 IATA codes for Swedavia's airports

Airport	IATA code
Stockholm Arlanda Airport	ARN
Bromma Stockholm Airport	BMA
Göteborg Landvetter Airport	GOT
Malmö Airport	MMX
Luleå Airport	LLA
Umeå Airport	UME
Åre Östersund Airport	OSD
Visby Airport	VBY
Ronneby Airport	RNB
Kiruna Airport	KRN

2 ENDPOINTS

This section lists all available endpoints at the AirportInfo API. Further, input parameters and responses are explained.

2.1 Airports

The endpoint serves the client with information about Swedavia's airports.

```
GET https://api.swedavia.se/airportinfo/v1/airport
```

2.1.1 Request Parameters

None

2.1.2 Response

Property	*Data Type*	*Description*
IATA	String	The IATA-code of the airport. See section 1.2.1 for further information.
Name	String	The name and/or location of the airport.
LocalDisplayName	String	How the airport name is displayed locally.
DisplayName	String	How the airport name is displayed.

2.2 Bus Arrivals

This endpoint provides data about bus arrivals from different stops. Currently, only Arlanda airport is supported. Mandatory parameters build up parts of the URL and are marked within curly brackets. Further, optional parameters could be appended with standard query string syntax (?name1=value1&name2=value2).

```
GET
https://api.swedavia.se/airportinfo/v1/timetable/{airport}/bus/arr
ivals/{stopArea}
```

2.2.1 Request Parameters

Parameter	*Data Type*	*Parameter Type*	*Mandatory*	*Description*
Airport	String	URL	Yes	Valid input is the IATA-code of the airport where bus arrivals are requested.
StopArea	Integer	URL	Yes	Specifies which of the stop areas to request bus arrivals from. See section 2.2.3 for valid codes.

StopPoint	String	Query string	No	Filter on a specific stop point.
LineNumber	String	Query string	No	Filter on a specific line number.
LineDesignation	String	Query string	No	Filter on the colloquial term for the line.
Direction	Integer	Query string	No	Filter on a direction.
MinutesBefore DepartureTime	Integer	Query string	No	Filter on minutes before departure time.
MinutesAfter DepartureTime	Integer	Query string	No	Filter on minutes after departure time.

2.2.2 Response

Property	*Data Type*	*Description*
Arrivals	Object[]	List of arrivals to the specified stop area.
ActiveMessages	Object[]	List of alerts related to the stop area.

2.2.2.1 Arrivals

Property	*Data Type*	*Description*
Id	String	Identifier of the arrival.
StopArea	Integer	Identifies the stop area this arrival will arrive at.
StopPoint	String	Identifies the stop point this arrival will arrive at.
PreviousStopPoint	String	Identifies the previously planned stop point for the arrival, in case the arrival stop point has been changed.
LineNumber	Integer	The technical line number of the line, e.g. 5004.
LineDesignation	String	The colloquial term for the line, e.g. 1 or GUL.
JourneyNumer	Integer	Journey number of the

		arrival.
Direction	Integer	Numeric representation of line direction.
ArrivingFrom	String	The originating stop area name.
Via	String	Via text for the arrival.
PlannedArrivalTime	String (UTC-formatted DateTime string)	The planned arrival time, i.e. the time of arrival according to original plan.
ArrivalTimeDeviation	String	The estimated time deviation of the arrival relative to the planned arrival time.
ActualArrivalTime	String (UTC-formatted DateTime string)	The actual time when the arrival did occur.
Status	String	The current status of the arrival.
VehicleFeatures	String[]	List of vehicle features for the arriving vehicle (the list does not contain duplicate values).
Remark	String	Remark text for the arrival.
ContractorName	String	Name of the contractor responsible for the arrival.
ContractorUrl	String	Website address of the contractor responsible for the arrival.

2.2.2.2 ActiveMessages

Property	*Data Type*	*Description*
Id	String	Identifier of the message.
Text	String	The message text.
StopArea	Integer	The stop area where the message is meant to be shown.
StopPoints	String[]	The stop points where the message is meant to be shown (used in conjunction with stop area).
Priority	String	The priority of the message.
ValidFrom	String (UTC-formatted	Specifies the point in

	DateTime string)	time when the message starts
ValidTo	String (UTC-formatted DateTime string)	Specifies the point in time when the message stops to be valid.
ShownFrom	String	Specifies the point in time (as in clock time) when the message should start to be shown.
ShownTo	String	Specifies the point in time (as in clock time) when the message should stop being shown.
ShownMonday	Bool	Indicates if the message should be shown on Mondays.
ShownTuesday	Bool	Indicates if the message should be shown on Tuesdays.
ShownWednesday	Bool	Indicates if the message should be shown on Wednesdays.
ShownThursday	Bool	Indicates if the message should be shown on Thursdays.
ShownFriday	Bool	Indicates if the message should be shown on Fridays.
ShownSaturday	Bool	Indicates if the message should be shown on Saturdays.
ShownSunday	Bool	Indicates if the message should be shown on Sundays.

2.2.3 Stop Area Codes

Stop Area Code	**Stop Area**
510546	Driftvägen
520671	Terminal 2,3
533206	Terminal 4
543310	Terminal 5
567392	Sky City

2.3 Bus Departures

This endpoint provides data about bus departures from different stops. Currently, only Arlanda airport is supported. Mandatory parameters build up parts of the URL and are marked within curly brackets. Further, optional parameters could be appended with standard URL parameter syntax (?name1=value1&name2=value2).

```
GET
https://api.swedavia.se/airportinfo/v1/timetable/{airport}/bus/departures/{stopArea}
```

2.3.1 Request Parameters

Parameter	*Data Type*	*Parameter Type*	*Required*	*Description*
Airport	String	URL	Yes	IATA-code of the airport where bus departures are requested.
StopArea	Integer	URL	Yes	Specifies which of the stop areas to request bus departures from. See section 2.2.3 for valid codes.
StopPoint	String	Query string	No	Filter on a specific stop point.
LineNumber	String	Query string	No	Filter on a specific line number.
Line Designation	String	Query string	No	Filter on the colloquial term for the line.
Direction	Integer	Query string	No	Filter on a direction.
MinutesBefore ArrivalTime	Integer	Query string	No	Filter on minutes before departure time.
MinutesAfter ArrivalTime	Integer	Query string	No	Filter on minutes after departure time.

2.3.2 Response

Property	*Data Type*	*Description*
Departures	Object[]	List of departures from the specified stop area.
ActiveMessages	Object[]	List of active messages. Only messages of the highest-ranking priority should be displayed.

2.3.2.1 Departures

Property	*Data Type*	*Description*
Id	String	Identifier of a departure.
StopArea	Integer	Identifies the stop area this departure will depart from.
StopPoint	String	Identifies the stop point this departure will depart from.
PreviousStopPoint	String	Identifies the previously planned stop point for the departure, in case the departure stop point has been changed.
LineNumber	Integer	The technical line number of the line, e.g. 5004.
LineDesignation	String	The colloquial term for the line, e.g. 1 or GUL.
Direction	Integer	Numeric representation of line direction.
Destination	String	The destination stop area name.
Via	String	Via text for the departure.
PlannedDepartureTime	String (UTC-formatted DateTime string)	The planned departure time, i.e. the time of departure according to original plan.
ActualDepartureTime	String (UTC-formatted DateTime string)	The estimated time deviation of the departure in relation to the planned departure time.
Status	String	The actual time when the departure did occur.
VehicleFeatures	String[]	List of vehicle features

		for the departing vehicle (the list does not contain duplicate values).
Remark	String	Remark text for the departure.
ContractorName	String	Name of the contractor responsible for the departure.
ContractorUrl	String	Website address of the contractor responsible for the departure.

2.3.2.2 ActiveMessages

See section 2.2.2.2.

2.4 Destinations

Returns the destinations from a specified Swedavia airport.

```
GET
https://api.swedavia.se/airportinfo/v1/destinations/{airportIata}?
minimumNumberOfDepartures={minimumNumberOfDepartures}
```

2.4.1 Request Parameters

Parameter	*Data Type*	*Parameter Type*	*Required*	*Description*
Airport IATA	String	URL	Yes	The IATA code of the airport for which to display flight destinations for.
Minimum Number	Integer	Query string	Yes	Specifies the minimum occurrence of flights to a specific destination. For all destinations, use zero as value.

2.4.2 Response

Property	*Data Type*	*Description*
CityDestinations	Object[]	Lists all destinations from the requested airport.

2.4.2.1 CityDestinations

Property	*Data Type*	*Description*
IATA	String	The IATA code of the destination airport.
Occations	Integer	How many flight occurrences that currently was found to this destination.
Latitude	Fraction	The latitude of the destination airport.
Longitude	Fraction	The longitude of the destination airport.
CityCodeIata	String	The IATA Code of the city this airport is connected to.

2.5 Languages

Gets all the available language codes for the restaurants, services and shops endpoints.

```
GET https://api.swedavia.se/airportinfo/v1/language
```

2.5.1 Request Parameters

None

2.5.2 Response

The response contains a list of provided languages. The following properties is included for each item.

Property	*Data Type*	*Description*
LangCode	String	The code that could serve as input for the language parameter in the restaurants, shops and services endpoint.
Name	String	The name of the language.

The response contains a list of provided languages. The following properties is included for each item.

2.6 Parking

Returns the availability of the parking lots at the airports. URL parameters are marked within curly brackets.

```
GET
https://api.swedavia.se/airportinfo/v1/parking/parkingavailability
/{airport}?from={from}&to={to}
```

2.6.1 Request Parameters

Parameter	*Data Type*	*Parameter Type*	*Description*
Airport	String	URL	The airport IATA code for where parking availability should be displayed. See section 2.2.1 for Swedavia airport IATA codes.
From	String	Query string	From when the parking should be accessible
To	String	Query string	To when the parking should be accessible.

2.6.2 Response

Parameter	*Data Type*	*Description*
CarParks	Object[]	List of all parking lots for the requested airport and their availability.
BookingInformationLink	String	URL to a service where parking reservation can be made.

2.6.2.1 CarParks

Property	*Data Type*	*Description*
IATA	String	The IATA code of the airport where the parking is located.

AirportName	String	The name of the airport where the parking is located.
Terminal	String	The terminal which the airport is associated with.
CarParkName	String	The name of the parking lot.
IsSoldOut	Bool	Whether the parking is sold out during the requested time period.
CategoryTag	String	Helps to specify the different types of parking lots. Can for instance have the value “premium”, “outdoor” or “indoor”. This sometimes differs for parking lots within the same category.
CategoryName	String	The name of the category which the parking lot belongs to. Can for instance have values like “Indoor”, “Outdoor” or “Long Term”. Sometimes differ from the CategoryTag. For example, a lot with category “Indoor” can be tagged as “premium”.
ProductLabel	String	Description of the parking lot. Examples: “Close to Terminal 2” or “Long-term parking”.

TransferTime	String (UTC-formatted DateTime string)	Transportation time, in minutes, from the parking lot to its associated terminal.
TransferMethod	String	The method of transportation between the parking lot and the associated terminal.
TransferType	String	The type of transportation between the parking lot and the associated terminal.
MapImageURL	String	If available, this property holds an URL to an image representing a map where the location of the parking lot is plotted.
Latitude	String	The latitude of the parking lot.
Longitude	String	The longitude of the parking lot.

2.7 Restaurants

Returns restaurants at specific airports. URL parameters are marked within curly brackets.

```
GET
https://api.swedavia.se/airportinfo/v1/airport/{iata}/restaurants
```

2.7.1 Request Parameters

Parameter	*Parameter type*	*Required*	*Description*
IATA	URL	Yes	The airport IATA code for the airport which restaurants should be displayed for.

			See section 2.2.1 for Swedavia airport IATA codes.
LangCode	Query string	Yes	ISO 639-1 language code. Specifies the language of properties in the response. See languages endpoint for available languages and ISO codes.

2.7.2 Response

Property	*Data Type*	*Description*
OriginId	Int	Identifier of this interest point.
Name	String	Name of the interest point.
Description	String	Description of the interest point.
Telephone	String	Phone number associated with the phone number.
OpeningHours	String[]	Text field(s) containing information regarding opening hours.
ImgUrl	String	URI path to an image showing the location of the interest point.
Location	Object	See section 2.7.2.1
PoiType	String	Could be restaurant, service or shop.
AirportIata	String	The IATA code of the airport where the interest point is located.
LanguageCode	String	ISO 639-1 language code.
Categories	String[]	What kind of categories the interest point could be classified under.
Keywords	String[]	Keywords the interest

	point could be classified under.

2.7.2.1 Location

Property	*Data Type*	*Description*
TerminalName	String	The name of the airport terminal where the interest point is located.
BeforeSecurity	Bool	Whether the interest point is located before the security perimeter or not.

2.8 Services

Returns services at specific airports. URL parameters are marked within curly brackets.

```
GET
https://api.swedavia.se/airportinfo/v1/airport/{iata}/restaurants
```

2.8.1 Request Parameters

Same as 2.7.1

2.8.2 Response

Same as 2.7.2.

2.9 Shops

Returns shops at specific airports. URL parameters are marked within curly brackets.

```
GET https://api.swedavia.se/airportinfo/v1/airport/{iata}/shops
```

2.9.1 Request Parameters

Same as 2.7.1

2.9.2 Response

Same as 2.7.2.