

Swedavia AirportInfo API



apideveloper.swedavia.se



Using the AirportInfo API

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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	VBV
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

<i>Property</i>	<i>Data Type</i>	<i>Description</i>
<i>IATA</i>	String	The IATA-code of the airport. See section 1.2.1 for further information.
<i>Name</i>	String	The name and/or location of the airport.
<i>LocalDisplayName</i>	String	How the airport name is displayed locally.
<i>DisplayName</i>	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/arrivals/{stopArea}>

2.2.1 Request Parameters

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

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

2.2.2 Response

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

2.2.2.1 Arrivals

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

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

2.2.2.2 *ActiveMessages*

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

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

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

2.3.2

Response

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

2.3.2.1

Departures

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

		for the departing vehicle (the list does not contain duplicate values).
<i>Remark</i>	String	Remark text for the departure.
<i>ContractorName</i>	String	Name of the contractor responsible for the departure.
<i>ContractorUrl</i>	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

<i>Parameter</i>	<i>Data Type</i>	<i>Parameter Type</i>	<i>Required</i>	<i>Description</i>
<i>Airport IATA</i>	String	URL	Yes	The IATA code of the airport for which to display flight destinations for.
<i>Minimum Number</i>	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

<i>Property</i>	<i>Data Type</i>	<i>Description</i>
<i>CityDestinations</i>	Object[]	Lists all destinations from the requested airport.

2.4.2.1 CityDestinations

<i>Property</i>	<i>Data Type</i>	<i>Description</i>
<i>IATA</i>	String	The IATA code of the destination airport.
<i>Occations</i>	Integer	How many flight occurrences that currently was found to this destination.
<i>Latitude</i>	Fraction	The latitude of the destination airport.
<i>Longitude</i>	Fraction	The longitude of the destination airport.
<i>CityCodeIata</i>	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.

<i>Property</i>	<i>Data Type</i>	<i>Description</i>
<i>LangCode</i>	String	The code that could serve as input for the language parameter in the restaurants, shops and services endpoint.
<i>Name</i>	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

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

2.6.2 Response

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

2.6.2.1 CarParks

<i>Property</i>	<i>Data Type</i>	<i>Description</i>
<i>IATA</i>	String	The IATA code of the airport where the parking is located.

<i>AirportName</i>	String	The name of the airport where the parking is located.
<i>Terminal</i>	String	The terminal which the airport is associated with.
<i>CarParkName</i>	String	The name of the parking lot.
<i>IsSoldOut</i>	Bool	Whether the parking is sold out during the requested time period.
<i>CategoryTag</i>	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.
<i>CategoryName</i>	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”.
<i>ProductLabel</i>	String	Description of the parking lot. Examples: “Close to Terminal 2” or “Long-term parking”.

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

<i>Parameter</i>	<i>Parameter type</i>	<i>Required</i>	<i>Description</i>
<i>IATA</i>	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.
<i>LangCode</i>	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

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

point could be classified under.

2.7.2.1 Location

<i>Property</i>	<i>Data Type</i>	<i>Description</i>
<i>TerminalName</i>	String	The name of the airport terminal where the interest point is located.
<i>BeforeSecurity</i>	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.