External API

User Guide

1   Introduction

Cardskipper is a platform for digital membership cards and member communication. This document describes the external API that can be used to retrieve and send data to the system.

2   General

2.1   Retrieve/Send data

The interface uses http-get and http-post, which means that you can download and submit data with a regular web browser. The character encoding used is UTF8.

- http-get call functions return XML files with different parameters depending on function.
- http-post call functions will only accept XML files as input data.

2.2   URLs

https://api.cardskipper.se	**Production environment**
https://api-test.cardskipper.se	**Test environment**

The following is an example of complete call to test environment;

https://api-test.cardskipper.se/Organisation/Info

2.3   Security & Authentication

The communication is encrypted with SSL, with a valid server certificate.

As authentication method, "Basic Authentication" uses a username and password. The account that you log in with should be a Cardskipper administrator account with API rights for the actual organisation.

Please note that each call requires the corresponding API access granted. If a specific call does not work, please send an e-mail to support@cardskipper.se.

2.4   Language support

All requests support different languages with standard http header Accept-Language. For base data downloads, the request will be in the specified language, and for the import base data information must be filed according to the specified language.

If no language is specified, the default is English.

3   Retrieve data
All function calls use the http-get.

3.1   Download basic data
Retrieves basic data used by other functions

3.1.1   Countries
Retrieve available countries.

3.1.1.1   URL
No parameters used by this call. Path: /Basedata/Country/

3.1.2   Gender
Retrieve available genders.

3.1.2.1   URL
No parameters used by this call. Path: /Basedata/Gender/

3.2   Retrieve organisations and roles
Function to retrieve all organisations and roles where the user is authorised.

3.2.1   URL
No parameters used by this call. Path: /Organisation/Info/

3.2.2   XML Schema
The following scheme is used by this function: https://api.cardskipper.se/Doc/OrganisationInfo.xsd

3.2.3   XML Data
Example: https://api.cardskipper.se/Doc/OrganisationInfo.xml

3.3   Member search
Function to search for a member in all organisations and roles where the user is authorised.

3.3.1   URL
This function requires the posting of an XML. Please refer to section 3.3.3. Path: /Member/Export/

3.3.2   XML Schema
The following scheme is used by this function. Validate all XMLs sent with this scheme to handle data errors.
https://api.cardskipper.se/Doc/SearchCriteriaMember.xsd

3.3.3   XML Data
Example: https://api.cardskipper.se/Doc/SearchCriteriaMember.xml

3.3.4 XML Explination of Export of members

Only the search criteria that should contain values should be inluded (ie no criteria with an empty string should be included), OrganisationId must be specified. Below you can see available search criteria.

XML	Required	Datatype	Explination
MemberId	No	int	Member number, Member id
OrganisationId	Yes	int	Organisation number, Organisation id 3.2.1
RoleId	No	int	Role Id. Must match Id from 3.2
UserId	No	int	User number, User Id
OrganisationMemberId	No	long	Membernumber on organisation
Birthdate	No	datetime	Birthdate
Firstname	No	string	Member firstname
Lastname	No	string	Member lastname
Cellphone	No	string	Mobile number Recommended formatting Swedish mobile number : 070 111 222 Foreign mobile number: +45 70 111 222
TagContains	No	string	Search labels
OrganisationUnit	No	string	Organisation unit
HasUserDevice	No	bool	Has logged in user
OnlyActive	No	bool	Active users
ChangedAt	Nej	datetime	Members with changes after a certain date.

4   Send data

All function calls are using http-post.

4.1   Import members

Function for importing members into organisations and roles. All imports will be logged and accessible at
https://adm.cardskipper.se. Please see refer to Membership-Imports in the Administration Guide for Cardskipper.

4.1.1   URL

This function requires the posting of an XML. Please refer to section 4.1.3. Path: /Import/Member/

4.1.2   XML Schema

The following scheme is used by this function. Validate all XMLs sent with this scheme to handle data errors.
https://api.cardskipper.se/Doc/MemberImport.xsd

4.1.3   XML Data

Example: https://api.cardskipper.se/Doc/MemberImport.xml

4.1.4   XML Elements

4.1.4.1   Member

XML	Required	Datatype	Explination
OrganisationMemberId	Yes	long	Member Id
Lastname	Yes	string	Lastname
Firstname	Yes	string	Firstname
Birthdate	Yes	datetime	Birtdate
Birthnumber	No	string	Birth number
GenderCode	No	string	Gender. Valid Id, Code or Name from 3.1.2 required
Nationality	No	string	Nationality. Valid Id, Code, Shortname, Iso or Localname from 3.1.1 required
Inactive	Yes	bool	Inactivates member and memberships.

4.1.4.1.1   Member.Extra

XML	Required	Datatype	Explination
Extra1	No	string	Extra can be used as own parameters eg "Place of birth".
Extra2	No	string	
Extra3	Np	string	

4.1.4.1.2   Member.Address

XML	Required	Datatype	Explination
Line1	No	string	Address
Line2	No	string	Address
Zip	No	string	Zipcode
City	No	string	City

4.1.4.1.3   Member.ContactInfo

XML	Required	Datatype	Explination
CellPhone1	*	string	Mobile phone number 1 Format: +44 70 111 222
CellPhone2	No	string	Mobile phone number 2 Format: +44 70 111 222
EMail	*	string	E-mail

* = Mobile phone number 1 or Email is required.

4.1.4.1.4   Member.Organisations

4.1.4.1.4.1   Member.Organisations.Organisation

XML	Required	Datatype	Explination
Id	Yes	int	Organisation Id. Valid Id from 3.2 required
ClearTags	Yes	bool	Removes all search labels for the member.

4.1.4.1.4.1.1   Member.Organisations.Organisation.Roles.Role

XML	Required	Datatype	Explination
Id	Yes	int	Role Id. Valid Id from 3.2 required
StartDate	Yes	datetime	Membership valid from
EndDate	Yes	datetime	Membership valid to
Type	No	string	Member Type
OrganisationUnit	No	string	Organisation Unit

4.1.4.1.4.1.2   Member.Organisations.Organisation.Tags.Tag

XML	Required	Datatype	Explination
Label	No	string	Search label(s)

4.2 Send image

Function for importing a member image (photo).

4.2.1   URL

Parameter OrganisationId (Please refer to section Retrieve Organisations) and OrganisationMemberId (Please refer to sections Member search/Import members).
Path: /MemberBlob/Blob/{OrganisationId}/{OrganisationMemberId} (POST).

Use Content-Disposition – FileName otherwise resonse will be 400 (type Content-Disposition = inline; filename="Donald duck.jpg")