

AKC Reunite Pet Recovery Service Enrollment REST API Documentation
As Of: June 7, 2021

Overview

- REST based web service interface.
- JSON data format.
- HTTP Basic Authentication.
- All requests over SSL.
- Please contact James Kranig (james.kranig@akcreunite.org) with any questions.

Microchip Enrollment

HTTP Method	Endpoint	Function
POST	/cares-ws/services/prs/enrollment	Enroll a pet.

Use <https://testapps.akcreunite.org/cares-ws/services/prs/enrollment> for testing purposes.

Request Body Fields:

Enrollment

Name	Type	Data Constraints	Required	Example
enrollmentSourceId	String	Max Length:256	Yes	GUID
pet	Pet		Yes	
primaryContact	Contact		Yes	
alternateContact	Contact		No	
vetPractice	Contact		No	
microchipId	String	Max Length: 15	Yes	956000012391827
sourceRefNumber	String	Max Length: 256	No	A42424333

Note: **enrollmentSourceId** is a unique identifier for customers enrolling microchips through the client service. AKC Reunite will supply Client with enrollmentSourceId.

enrollmentSourceId follows GUID format

https://www.wikiwand.com/en/Universally_unique_identifier#/Format

sourceRefNumber is a unique identifier generated and provided by the client that can be used to identify the enrollment.

Pet

Name	Type	Data Constraints	Required	Example
name	String	Max Length: 32	No	Sparky
speciesCode	String	Max Length: 4	Yes	(CAT, DOG, OTHR)
breedCode	String	Max Length: 128	No	See Breed List
colorMarkings	String	Max Length: 512	No	Free form text
genderCode	String	Max Length: 1	No	M, F
spayedNeutered	Boolean	true or false	No	true, false
birthDate	String	MM-DD-YYYY	No	11-19-2014

Contact

Name	Type	Data Constraints	Required	Example
firstName	String	Max Length: 32	first/last or bus.	Bob
lastName	String	Max Length: 96	first/last or bus.	Smith
businessName	String	Max Length: 128	first/last or bus.	Wake County SPCA
phone	Phone		*	919-555-6789
emailAddress	String	Max Length: 255	*	bob@xyz.com
emailOptIn	Boolean	true or false	No	Default true*
address	Address		*	
mailOptIn	Boolean	true or false	No	Default true*

Note: One of phone, email, or address is required.

Opt ins default to true for Primary Contact and are false and unalterable for Alt Contact and Vet Practice.

Address

Name	Type	Data Constraints	Required	Example
street	String	Max Length: 128	Yes	123 Main Street
streetExtra	String	Max Length: 128	No	Apt. #23
city	String	Max Length: 64	Yes	Apex
stateProvince	String	ISO 2 Code	*	NC
postalCode	String	Max Length: 10	*	27523
country	String	ISO3 Code	Yes	USA, CAN, GBR, DEU

Note: StateProvince and PostalCode are required if the Country Requires it. For instance, USA requires both, while GBR only requires PostalCode.

Phone

Name	Type	Data Constraints	Required	Example
number	String	Max Length: 11	Yes	919-233-2899
extension	String	Max Length: 6	No	267
country	String	ISO3 Code	Yes	USA, CAN, DEU

Required Headers:

```
Accept=application/json
Content-Type=application/json
```

Basic Auth

```
Username: <provided by AKC Reunite>
Password: <provided by AKC Reunite>
```

Sample JSON Enrollment Request Body:

```
{
  "enrollmentSourceId" : "<provided by client>",
  "pet" : {
    "name" : "Scooby-Doo",
    "speciesCode" : "DOG",
    "breedCode" : "Great Dane",
    "colorMarkings" : "Scooby is brown with several black spots and lacks a melanistic mask. He is generally a quadruped but displays bipedal 'human' characteristics. Scooby also has opposable thumbs on his front paws and each paw has only one pad and four toes. He has a black nose and wears a blue collar with a yellow, diamond-shape-tagged with \"SD\". He has a fully prehensile tail he can use to swing from or press buttons. Both his head and tail are malleable and useful as a communication aid or creating a distraction.",
    "genderCode" : "M",
    "spayedNeutered" : false,
    "birthDate" : "09-13-1969"
  },
  "primaryContact" : {
    "firstName" : "Norville",
    "lastName" : "Rogers",
    "phone" : {
      "number" : "(919) 111-1111",
      "extension" : "100",
      "country" : "USA"
    },
    "emailAddress" : "shaggy@scooby.edu",
    "emailOptIn" : true,
    "address" : {
      "street" : "123 Main St.",
      "streetExtra" : "Apt. 101A",
      "city" : "Raleigh",

```

```

        "stateProvince" : "NC",
        "postalCode" : "27716",
        "country" : "USA"
    },
    "mailOptIn" : false
},
"alternateContact" : {
    "firstName" : "Velma",
    "lastName" : "Dinkley",
    "phone" : {
        "number" : "919-222-2222",
        "extension" : "123",
        "country" : "USA"
    },
    "emailAddress" : "mystery@machine.org",
    "address" : {
        "street" : "1 First St.",
        "streetExtra" : "Suite 123",
        "city" : "Durham",
        "stateProvince" : "NC",
        "postalCode" : "27703",
        "country" : "USA"
    }
},
"vetPractice" : {
    "businessName" : "Dooville Veterinary Hospital",
    "phone" : {
        "number" : "9193333333",
        "extension" : "999",
        "country" : "USA"
    },
    "emailAddress" : "DoovilleVeterinary@EMAIL.COM",
    "address" : {
        "street" : "1000 Last Street",
        "streetExtra" : "Suite 9999",
        "city" : "Apex",
        "stateProvince" : "NC",
        "postalCode" : "27523",
        "country" : "USA"
    }
},
"microchipId" : "956000012876543",
"sourceRefNumber" : "A42424333"
}

```

Sample JSON Response:

```

{
    "responseCode": 54000,
    "responseMessage": "Microchip registration accepted.",
    "enrollmentId": 10141916
}

```

Response Body Fields:

Name	Type	Data Constraints	Required	Example
responseCode	Number		Yes	54000, 54102
responseMessage	Type: String		Yes	Microchip registration accepted.
enrollmentId	Type: Number		No	3423423

Http Status Codes:

Http Status	Meaning
202	Enrollment request accepted.
Other	A Response Code or stack trace will be included describing the issue.

Response Codes:

responseCode	Meaning
54000	Enrollment request accepted.
54100	Enrollment request rejected. Microchip already enrolled with same owner.
54101	Enrollment request rejected. Sender not recognized. The provided enrollmentSourceId is not yet set up in our system.
54103	Enrollment request rejected. Invalid data.
54107	Enrollment request could not be processed. Database unavailable. Retry later.
54108	Enrollment request rejected. Microchip already enrolled and unable to be transferred.
54110	Enrollment request rejected. Microchip requires paid transfer, but customer account is not set up for invoicing.

Microchip Enrollment Status

HTTP Method	Endpoint	Function
GET	/cares-ws/services/prs/microchipEnrollStatus	Get enrollment status of a given microchip ID

Use <https://testapps.akcreunite.org/cares-ws/services/prs/microchipEnrollStatus> for testing purposes.

Request Query Parameters:

Name	Type	Data Constraints	Required	Example
enrollmentSourceId	String	Max Length:256	Yes	GUID
microchipId	String	Max Length: 15	Yes	956000012391827

Note: **enrollmentSourceId** is a unique identifier for customers enrolling microchips through the client service. AKC Reunite will supply Client with enrollmentSourceId. enrollmentSourceId follows GUID format https://www.wikiwand.com/en/Universally_unique_identifier#/Format

Required Headers:

Accept=application/json
Content-Type=application/json

Basic Auth:

Username: <provided by AKC Reunite>
Password: <provided by AKC Reunite>

Example Request URL:

<https://testapps.akcreunite.org/cares-ws/services/prs/microchipEnrollStatus?enrollmentSourceId=88a1dfdf-a621-472a-ae3e-42dd96dc377µchipId=9560000000000000>

Response Body (JSON) Fields

Name	Type	Data Constraints	Required	Example
responseCode	Number		Yes	54000, 54102
responseMessage	String		Yes	Status returned successfully.
microchipId	String		YES	3423423
enrolled	boolean		YES	true, false

enrolledOn	Number (UNIX timestamp)	YES	1617940918000
canTransfer	boolean	YES	true, false
enrollPrice	Number	YES	9.95

Http Status Codes:

Http Status	Meaning
202	Enrollment request accepted.
Other	A Response Code or stack trace will be included describing the issue.

Example JSON Response - Microchip not enrolled

```
{ "microchipId" : "9560000000000000",
  "enrolled" : false,
  "enrolledOn" : null,
  "canTransfer" : false,
  "enrollPrice" : 9.95,
  "responseCode" : 0,
  "responseMessage" : "Status check completed successfully."}
```

Example JSON Response - Microchip enrolled, can transfer

```
{ "microchipId" : "9560000000000000",
  "enrolled" : true,
  "enrolledOn" : 1617940918000,
  "canTransfer" : true,
  "enrollPrice" : 0.00,
  "responseCode" : 0,
  "responseMessage" : "Status check completed successfully."}
```

Example JSON Response - Microchip enrolled, cannot transfer

```
{ "microchipId" : "9560000000000000",
  "enrolled" : true,
  "enrolledOn" : 1617940918000,
  "canTransfer" : false,
  "enrollPrice" : null,
  "responseCode" : 0,
```

```
"responseMessage" : "Status check completed successfully."}
```