

e-VDS

Access interface for PMS

Document versions

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I - Introduction

This document presents the external access interface added to the e-VDS dental scoring web application. This interface allows PMS software developer to integrate the web app in their solution and thus let their users access the e-VDS dental scoring Web App easily.

1.1 Context

Until now, a veterinarian who wanted to make a dental scoring for an animal had to open a new Web browser window and connect to the e-VDS dental scoring Web App using his credentials. Once logged-in, the veterinarian had to first fill in informations about the animal and its owner, if he didn't done so before, in order to access the scoring sheet and start working on it.

1.2 Needs

To facilitate the use of the e-VDS web app and avoid filling again informations, an external access interface has been developed.

1.3 Adopted solution

In order to keep things simple and reduce the work needed by software developer to integrate the web app, a solution based on simple HTTP POST request with JSON formatted data has been adopted. This solution is supported by a vast majority of environment.

II - Simple authentication

This feature allow the PMS software to directly open the eVDS Web App without the need for the user to supply his credentials.

The user will then directly access his clients list screen in the e-VDS Web App.

2.1 Prerequisites

The PMS should allow the user to enter his authentication key in the software user's settings. The key is a string represented as a GUID (ex: "2A360EC1-0C3C-4F7B-B9BF-DDE5507A27E2").

This key will be required for every feature described in this paper.

2.2 Request format

2.2.1 Url

The software must perform a HTTP POST query to the url "https://scoring.e-vds.vet/scoring/pms" in a new Web browser window.

2.2.2 Required data

The user authentication key (cf. 2.1) must be transmitted in a property named "auth" of a JSon object posted as "command".

A sample of a similar JSon object could look like below :

```
{"auth": "2A360EC1-0C3C-4F7B-B9BF-DDE5507A27E2"}
```

2.2.3 Example

The below example show a simple HTML form that allows web app authentication in one click :

```
<form name="frmAuth" action="https://scoring.e-vds.vet/scoring/pms" method="POST">
  <input type="hidden" name="command"
value= '{"auth": "2A360EC1-0C3C-4F7B-B9BF-DDE5507A27E2"}' />
  <input type="submit" value="Auth"/>
</form>
```

2.3 Result

2.3.1 Failure

In case of authentication failure (for instance in case where the user renew his authentication key in the e-VDS web app without updating it in the PMS) an error page is displayed briefly (3s) before the user get redirected to the classical login screen.

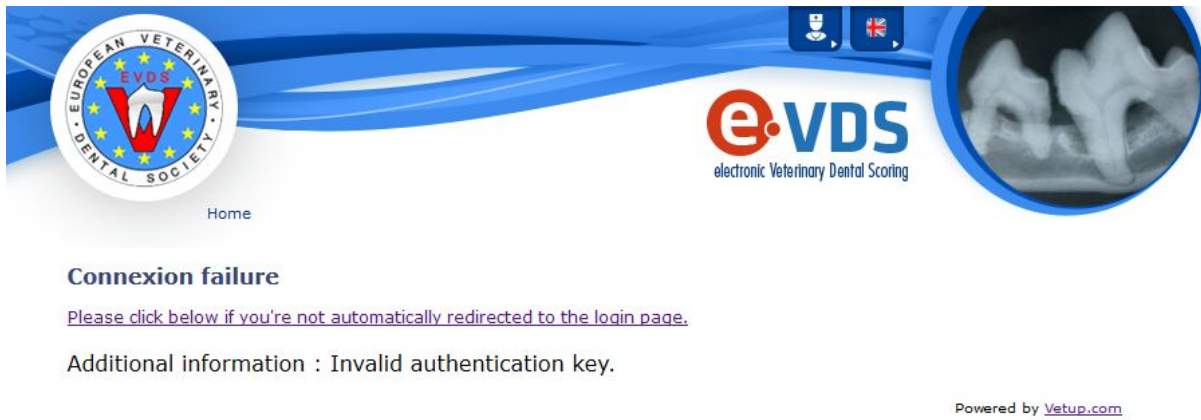


Fig. 1 : Invalid authentication.

2.3.2 Success

If the authentication process succeed, the user can see his clients list page in the e-VDS dental scoring web app.



Fig. 2 : Successful authentication.

III - Viewing / editing a scoring sheet

This feature allows the PMS to send the necessary data to view or edit a scoring sheet for an animal, removing the need for user to fill again these data in the e-VDS web app.

3.1 Required data

As with the “Simple authentication” feature (cf. chapter II), the user authentication key (cf. 2.1) must be transmitted in a property named “auth” of a JSON object posted as “command”.

This JSON object must also contain the “client” and “animal” properties in order to give all the necessary information to the e-VDS web app so that the scoring sheet can be created (or viewed).

3.1.1 Client object description

The “client” object could contain the below properties (properties in bold are required).

Name	Required	Description
id	Yes	Client unique ID inside the PMS (ex “127”, “client12”, ...).
gender	No	Client gender. Expected values are : <ul style="list-style-type: none"> - “Mr.”, “Mr” or “M” for Mister - “Mrs” or “Mme” for Madame - “Ms” or “Miss” for Miss
lastname	Yes	Client last name (ex “Dupont”)
firstname	No	Client first name (ex: “Jean Pierre”)
email	No	Client e-mail address (ex: jp.dupont@domain.com). Note : <i>Invalid e-mail are ignored.</i>

All property values are expected to be string.

The client unique ID will be use to check if the record for that client has already been created by a previous request (and if it’s just an update) or if it need to be created.

3.1.2 Animal object description

The “animal” object could contain the below properties (properties in bold are required).

Name	Required	Description
id	Yes	Animal unique ID for the PMS (ex “1275”, “doggy5”, ...).
species	Yes	Animal species. Expected values are : <ul style="list-style-type: none"> - “1” or “dog”

		- "2" or "cat"
name	Yes	Animal name (ex "Doggy")
birthdate		Animal birth date formatted as "YYYY-MM-DD" (ex: "2014-09-16") Note : <i>Invalid dates are ignored.</i>
transponder		Animal chip number.

All property values are expected to be string.

The animal unique ID will be use to check if the record for that animal has already been created by a previous request (and if it's just an update) or if it need to be created.

3.2 Request format

3.2.1 Url

The software must perform a HTTP POST query to the url
"https://scoring.e-vds.vet/scoring/pms/edit-scoring" in a new Web browser window.

3.2.2 Object sample

A sample of a valid JSON object is displayed below (spaces, indentations and carriage returns have been added to increase readability) :

```
{
  "auth": "2A360EC1-0C3C-4F7B-B9BF-DDE5507A27E2",
  "client": {
    "id": "24",
    "gender": "M",
    "lastname": "Dupont",
    "firstname": "Jean Pierre",
    "email": "jp.dupont@domain.com"
  },
  "animal": {
    "id": "127",
    "species": "dog",
    "name": "Doggy",
    "birthDate": "2010-11-29",
    "transponder": "xxx"
  }
}
```

3.2.3 Example

The below example show a simple HTML form that allow access to the scoring sheet of "Doggy" in one click :

```
<form name="frmScoring"
action="https://scoring.e-vds.vet/scoring/pms/edit-scoring" method="POST">
```

```

<input type="hidden" name="command"
value='{ "auth": "2A360EC1-0C3C-4F7B-B9BF-DDE5507A27E2", "client": { "id": "24", "gender": "M", "lastname": "Dupont", "firstname": "Jean Pierre", "email": "jp.dupond@domain.com"}, "animal": { "id": "127", "species": "dog", "name": "Doggy", "birthDate": "2010-11-29", "transponder": "xxx" } }' />
<input type="submit" value="Auth" />
</form>

```

3.3 Result

3.3.1 Failure

In case of failure (invalid data or save error) a page showing a brief explanation of the problem is displayed.



Fig. 3 : Invalid data.

3.3.2 Success

If the data are valid, the user access to the scoring sheet of the animal.

The displayed scoring sheet is the last available scoring sheet for the animal :

- if it's a new pet or if no scoring sheet has already been created for that animal, a blank scoring sheet will be created ;
- if the animal already exists, the latest scoring sheet will be shown. If the scoring sheet was previously validated by the user, it will be read only and the user will have to click on the "Edit" button to create a new scoring sheet for the animal based on the current one.

Home > "Dickinson Bruce" > "Doggy" > Scoring of the 16/09/2014

Scoring for "Doggy" | 16/09/2014

Sponsored by **Virbac**

▶ No selection
▶ Calculus (complete mouth)
▶ Occlusion
▶ Options
▶ General notes

© D.C. Last save: 16/09/2014 10:07:59

Back Export Validate

Powered by Vetup.com

Fig. 4 : Scoring sheet of "Doggy".

Annex : User authentication key

To get his authentication key, the user should first connect normally to the e-VDS dental scoring web app (<https://scoring.e-vds.net>) using his credentials and then access to the user account management form (“My account” top menu).

The authentication key appears in the highlighted area of the picture below.



The screenshot shows the 'My account' management interface. At the top left is the logo of the European Veterinary Dental Society (EVDS). The breadcrumb trail reads 'Home > My account'. The main heading is 'My account'. The form is divided into two columns. The left column contains fields for: Title (Mr), Lastname (Docteur), Firstname (Veterinarian), E-mail (doctor@myclinic.cm), Preferred language (English), and Authentication key (a highlighted alphanumeric string). The right column contains fields for: Old password (previous password), New password (new password), and Password confirmation (confirmation). There are 'Renew', 'Save', and 'Password change' buttons. A 'Back' button is at the bottom left. The footer text reads 'Powered by Vetup.com'.

Fig. 5 : User account management form.

The user can change the key whenever he want by generating a new key using the “Renew” button. The new key will need to be updated in the PMS user settings.