

Cloud Server Pepper API:

All Endpoints used by Pepper Application (excluding game endpoints)

Updated February 10, 2019

Definitions:

PSK = Pepper Security Key, used to authenticate Pepper robots requests

pep_id = Pepper robot identifier, unique to each robot

Deauthorize User

Description:

Used by Pepper Application to deauthorize a user login

Path: /deAuth

Method: POST

Input: JSON

username (String)

pep_id (String)

PSK (String)

-generated on Pepper, hashed and sent

Success:

Code: 200

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 403 Unauthorized

-PSK check failed, relogin pepper

Code: 409 Conflict

-couldn't find record in database

Content: JSON

Error: User Authorization not found

OR

Error: pep_id not found

Get Authorization Requests

Description:

Used by Pepper Application to get the pending authorization requests from the database

Path: /getAuthRequests

Method: POST

Input: JSON

 pep_id (String)

 PSK (String)

-generated on Pepper, hashed and sent

Success:

Code: 200

Content: JSON

 AuthReqs (List of (username,email) tuples)

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 403 Unauthorized

-PSK check failed

Code: 409 Conflict

-pep_id not found in database

Get Authorized Users

Description:

Used by Pepper Application to get a list of authorized users

Path: /getAuthUsers

Method: POST

Input: JSON

pep_id (String)

PSK (String)

-generated on Pepper, hashed and sent

Success:

Code: 200

Content: JSON

AuthReqs (List of (username,email) tuples)

Error:

Code: 500 Internal Server Error

- Check Cloud Server logs for details

Code: 400 Bad Request

- missing input data

Code: 403 Unauthorized

-PSK check failed

Code: 409 Conflict

```
-pep_id not found in database
```

Authorize User

Description:

Used by Pepper Application to authorize a user

Path: /authorizeUser

Method: POST

Input: JSON

 pep_id (String)

 PSK (String)

 username (String)

-generated on Pepper, hashed and sent

Success:

Code: 200

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 403 Unauthorized

-PSK check failed, relogin pepper

Code: 409 Conflict

-couldn't find record in database

Content: JSON

 Error: User not found

 OR

 Error: pep_id not found

Add Pepper

Description:

Used by Pepper Application to add or update a Pepper in the database

Path: /addPepper

Method: POST

Input: JSON

pep_id (String)	-id saved on Pepper
username(String)	
PSK (String)	-generated on Pepper, hashed and sent

Success:

Code: 200

Error:

Code: 500 Internal Server Error	-Check Cloud Server logs for details
Code: 400 Bad Request	-missing input data
Code: 409 Conflict	-pep_id already in use
Code: 410 Gone	-couldn't find record in database

Content: JSON

Error: User not found.

OR

Error: Pepper not found. Please register again.

Pepper Login

Description:

Used by Pepper Application to authenticate a user login

Path: /login

Method: POST

Input: JSON

username (String)

password (String)

pep_id (String)

Success:

Code: 200

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 409 Conflict

-user not found in database

Code: 403 Forbidden

-user not authorized for pep_id

Code: 401 Unauthorized

-password does not match

Proactive Response

Description:

Used by Pepper Application to send a proactive response to cloud

Path: /proactive

Method: POST

Input: JSON

msg (String)

PSK (String)

android_username (String)

Success:

Code: 200

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 409 Conflict

-user not found

Data sent to Android:

path (String)

-path = "proactive"

msg (String)

Add User

Description:

Used by Pepper Application to add a user to the database

Path: /addUser

Method: POST

Input: JSON

username (String)

password (String)

name (String)

email (String)

Success:

Code: 200

Content: JSON

ASK (String)

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 409 Conflict

-Username already used

Remove User

Description:

Used by Pepper Application to delete a user in the database

Path: /removeUser

Method: POST

Input: JSON

username (String)

password (String)

Success:

Code: 200

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 401 Unauthorized

-password does not match

Code: 409 Conflict

-User not found in database