PersonalAIz REST API

Admin API

Add Client

Description:
Add a client in PersonalAIz platform.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/admin/client/{clientName}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: clientName | The new client username
fp: password | The new client password
fp: info | A JSON with client information. e.g. {"mail":"info@mail.org","infoname":"infovalue"}

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/admin/client/panagiotis
postParams("password", "123456789")
postParams("info", "{'mail':'info@mail.com'}")

Example response:
{"outputMessage":"Add Client Complete"}

Delete Client

Description:
Delete a client from PesonalAIz platform.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/admin/client/delete/{clientName}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: clientName | The client name that we want to delete.
Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/admin/client/delete/panagiotis

Example response:
{"outputMessage":"Delete Client Complete"}

Get Clients

Description:
Get a list with all clients in the PersonalAIz platform.

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/admin/clients

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/admin/clients

Example response:
{"outputMessage":"Complete Get Clients", "output":["user1","user2",...]}

Set Settings

Description:
Set the settings in PersonalAIz platform

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/admin/settings

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
fp: settings | the settings to set in the platform. e.g. {'LogLevel':'info'}

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/admin/settings
postParams("settings", "{'LogLevel':'info'}")

Example response:
{"outputMessage":"Set PServer settings complete"}

Set Setting

Description:
Set the setting in PersonalAIz platform

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/admin/setting

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
fp: name | the setting name e.g. LogLevel
fp: value | the settings value e.g. info

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/admin/setting
postParams("name", "LogLevel")
postParams("value", "info")

Example response:
{"outputMessage":"Set PServer setting complete"}

Get Settings

Description:
Get platforms settings.

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/admin/settings

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/admin/settings

Example response:
{"outputMessage":"Get PServer settings complete", "output":{"settingName":"value",...}}

Personal API

Add User

<u>Description:</u>
Add user on PServer.

<u>Method:</u>
POST

<u>URL:</u>
PersonalAIz/api/pserver/{userAuthe}/personal/users

<u>Parameters:</u>
pp: userAuthe | The system user authentication. With api key or username|password
fp: JSONUsers | A json with a user object. e.g. {"panagiotis": {"features": {"category.sport": "3" },"attributes": {"gender": "male","age": "18"}}}

<u>Example:</u>
http://localhost:8080/PersonalAIz/pserver/root%7Croot/personal/users
postParams("JSONUsers",{"panagiotis": {"features": {"category.sport": "3" },"attributes": {"gender": "male","age": "18"}}})

<u>Example response:</u>
{"outputMessage":"Add Users Complete"}

Delete User

<u>Description:</u>
Delete users from pserver based on given pattern. If pattern is null then delete all users.

<u>Method:</u>
POST

<u>URL:</u>
PersonalAIz/api/pserver/{userAuthe}/personal/users/delete

<u>Parameters:</u>
pp: userAuthe | The system user authentication. With api key or username|password
fp: pattern | The username pattern.

<u>Example:</u>
http://localhost:8080/PersonalAIz/pserver/root%7Croot/personal/users/delete

postParams("pattern", null)

Example response:
{"outputMessage":"Delete Users Complete"}

Get Users

Description:
Get PServer users.
Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/personal/users

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
fp: pattern | The username pattern. If null return all users.
fp: page | The number of the page. If null return all users in one page.

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/personal/users

Example response:
{"outputMessage":"Get Users Complete","output":["username1",...]}

Get User Attributes

Description:
Get the user attributes for given username.

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/personal/users/{user}/attributes

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: user | The username.
fp: pattern | The attribute name pattern. If null return all user attributes.
fp: page | The number of the page. If null return all attributes in one page.

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/personal/users/panagiotis/attributes

Example response:
{"outputMessage":"Complete Get User Attributes","output":["attrname":"attrValue",...]}

Get User Profile

Description:
Get the user profile. User profile is a list of features with their values.

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/personal/users/{user}/features

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: user | The username.
fp: pattern | The feature name pattern. If null return all user features.
fp: page | The number of the page. If null return all features in one page.

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/personal/users/panagiotis/features

Example response:
{"outputMessage":"Complete Get User Profile","output":["ftrname":"ftralue",...]}

Modify User Features

Description:
Modify user Features.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/personal/users/{user}/features/modify

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: user | The username.
fp: JSONUserFeatures | A json with pairs of feature name - value. e.g. {"category.sport": "7" }

Example:
http://localhost:8080/PersonalAIz/pserver/root%7Croot/personal/users/panagiotis/features/modify

putParams("JSONUserFeatures", "{\"category.sport\": \"7\" }")

Example response:
{"outputMessage":"Modify User Features Complete"}

Set User Attributes

<u>Description:</u>
Set new value on user attributes.

<u>Method:</u>
POST

<u>URL:</u>
PersonalAIz/api/pserver/{userAuthe}/personal/users/{user}/attributes

<u>Parameters:</u>
pp: userAuthe | The system user authentication. With api key or username|password
pp: user | The username.
fp: JSONUserAttributes | A json with pairs of attribute name - value. e.g. {"age": "17" }

<u>Example:</u>
http://localhost:8080/PersonalAIz/pserver/root%7Croot/personal/users/panagiotis/attributes
putParams("JSONUserAttributes", "{\"age\": \"17\" }")

<u>Example response:</u>
{"outputMessage":"Set User Attributes Complete"}

Set User Features

<u>Description:</u>
Set new value on user features.

<u>Method:</u>
POST

<u>URL:</u>
PersonalAIz/api/pserver/{userAuthe}/personal/users/{user}/features

<u>Parameters:</u>
pp: userAuthe | The system user authentication. With api key or username|password
pp: user | The username.
fp: JSONUserFeatures | A json with pairs of feature name - value. e.g. {"category.sport": "7" }

<u>Example:</u>

http://localhost:8080/PersonalAIz/pserver/root%7Croot/personal/users/panagiotis/features
putParams("JSONUserFeatures", "{\"category.sport\": \"7\" }")

<u>Example response:</u>
{"outputMessage":"Set User Features Complete"}

Stereotype API

Add Stereotype

Description:
Add new stereotype on PServer based on given rule.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.
fp: rule | The stereotype rule based on attributes. e.g. age<0|AND|gender:male
Example:

Example response:

Add User On Stereotype

Description:
Add a user manually on a existed stereotype.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/user/add/{username}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.
pp: username | The username.

Example:

Example response:

Check Stereotype Users

Description:
Check all stereotype users and remove the users who not satisfies the stereotype rule.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/users/check

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.

Example:

Example response:

Delete Stereotype Features

Description:
Delete features from stereotype profile.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/features/delete

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.
fp: pattern | The stereotype feature pattern.

Example:

Example response:

Delete Stereotypes

Delete stereotypes based on given pattern. If no pattern den delete all stereotypes.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/delete

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
fp: pattern | The stereotype name pattern.

Example:

Example response:

Delete User From Stereotype

Description:
Remove manually a user from stereotype.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/user/delete/{username}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.
pp: username | The username.

Example:

Example response:

Find Stereotype Users

Description:
Find and add new users in stereotype who satisfies the rule.

Method:
POST

PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/users/find

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.

Example:

Example response:

Get Stereotype Features

Description:
Get stereotype profile. A list with pairs of feature name - value

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.
fp: pattern | The feature name pattern. If null return all stereotype features.
fp: page | The number of the page. If null return all features in one page.

Example:

Example response:

Get Stereotype Users

Description:
Get a list with users that belongs to Stereotype.

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/users

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password

pp: stereotypeName | The stereotype name.
fp: pattern | The username pattern. If null return all stereotype users.
fp: page | The number of the page. If null return all users in one page.

Example:

Example response:

Get Stereotypes

Description:
Get a list with stereotype names in PServer.

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
fp: pattern | The stereotype name pattern. If null return all stereotype names.
fp: page | The number of the page. If null return all stereotype names in one page.

Example:

Example response:

Get System Attributes

Description:
Get the unique attribute names that exist in PServer.

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/attributes

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password

Example:

Example response:

Get User Stereotypes

Description:
Get a list with stereotypes that a user belong.

Method:
GET

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/user/{usernameName}/stereotypes

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: usernameName | The username.
fp: pattern | The stereotype name pattern. If null return all stereotype names.
fp: page | The number of the page. If null return all stereotype names in one page.

Example:

Example response:

Modify Stereotype Features

Description:
Modify the values of stereotype features.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/features/modify

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.
fp: JSONStereotypeFeatures | The json of stereotype name - values. e.g.
{"category.sport":"10"}

Example:

Example response:

Remake Stereotype

Description:
Remake the stereotype based on stored rulle.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/remake

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.

Example:

Example response:

Set Stereotype Features

Description:
Set new values on stereotype features.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/features/set

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.
fp: JSONStereotypeFeatures | The json of stereotype name - values. e.g. {"category.sport":"10"}

Example:

Example response:

Update Stereotype Features

Description:
Re calculate all stereotype features based on users profile.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/{stereotypeName}/features/update

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.

Example:

Example response:

Update Stereotype Users

Description:
Check and find users for the given stereotype name.

Method:
POST

URL:
PersonalAIz/api/pserver/{userAuthe}/stereotype/

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: stereotypeName | The stereotype name.

Example:

Example response:

Community API

Recommendation Engine API

Add User

Description:
Add a user in Recommendation Engine.

Method:
POST

URL:
PersonalAIz/api/recengine/{userAuthe}/user/{username}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password.
pp: username | The application user username.
fp: JSONUser | The user attributes or information. e.g. {"attributes": {"gender": "male","age": "25"}, "info": {"mail": "info@test.org"} }

Example:
http://localhost:8080/PersonalAIz/api/recengine/root%7Croot/user/panagiotis
postParams("JSONUser","{"attributes": {"gender": "male","age": "25"} }")

Example response:
{"outputMessage":"Add Users Complete"}

Delete User

Description:
Delete a user from Recommendation Engine.

Method:
POST

URL:
PersonalAIz/api/recengine/{userAuthe}/user/delete/{username}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: username | The application user username.

Example:
http://localhost:8080/PersonalAIz/api/recengine/root%7Croot/user/delete/panagiotis

Example response:
{"outputMessage":"Delete Users Complete"}

Feed

Description:
Feed Recommendation Engine with user's preferences.
Method:
POST

URL:
PersonalAIz/api/recengine/{userAuthe}/feed/{username}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: username | The application user username.
fp: JSONObject | The feed object that user click on it. e.g.
{
      "id": "1",
      "language": "en",
      "recommended": "true",
      "timestamp": "125455226",
      "text": [
      "text sample 1",
      "text sample 2"
      ],
      "category": [
      "category1"
      ],
      "tag": [
      "tag1",
      "tag2",
      "tag3"
      ],
      "boolean": [
      "boolean1name:value",
      "boolean2name:value",
      "boolean3name:value"
      ],
      "alphanumerics": [
      "alpha1name:value",
      "alpha2name:value",
      "alpha3name:value"

```
        ],
        "numeric": [
        "numeric1name:value",
        "numeric2name:value",
        "numeric3name:value"
        ]
}
```

Example:

http://localhost:8080/PersonalAIz/api/recengine/root%7Croot/feed/panagiotis
postParams("JSONObject","{...}")

Example response:

Get Recommendation

Description:
Get a ranked list based on users profile.

Method:
POST

URL:
PersonalAIz/api/recengine/{userAuthe}/getRecommendation/{username}

Parameters:
pp: userAuthe | The system user authentication. With api key or username|password
pp: username | The application user username.
fp: JSONObjectList | The object list that we want to rank based on user. e.g.

```
[
{
        "id": "1",
        "language": "en",
        "text": [
        "text sample 1",
        "text sample 2"
        ],
        "category": [
        "category1"
        ],
        "tag": [
        "tag1",
        "tag2",
        "tag3"
        ],
        "boolean": [
```

            "boolean1name:value",
            "boolean2name:value",
            "boolean3name:value"
            ],
            "alphanumerics": [
            "alpha1name:value",
            "alpha2name:value",
            "alpha3name:value"
            ],
            "numeric": [
            "numeric1name:value",
            "numeric2name:value",
            "numeric3name:value"
            ]
    },
    {
            "id": "2",
            "language": "en",
            "text": [
            "text sample 1",
            "text sample 2"
            ],
            "category": [
            "category1"
            ],
            "tag": [
            "tag1",
            "tag2",
            "tag3"
            ],
            "boolean": [
            "boolean1name:value",
            "boolean2name:value",
            "boolean3name:value"
            ],
            "alphanumerics": [
            "alpha1name:value",
            "alpha2name:value",
            "alpha3name:value"
            ],
            "numeric": [
            "numeric1name:value",
            "numeric2name:value",
            "numeric3name:value"
            ]
    }

]

Example:
http://localhost:8080/PersonalAIz/api/recengine/root%7Croot/getRecommendation/panagiotis

 postParams("JSONObjectList","[{...},...,{...}]")

Example response:
{"outputMessage":"Get recommendation Complete", "output":{"objId":"score",...}}

Security API

Check Credentials

Description:
Check the credentials username and password for a client.

Method:
POST

URL:
PersonalAIz/api/security/check/credentials

Parameters:
fp: username | The client username
fp: password | The client password

Example:
http://localhost:8080/PersonalAIz/api/security/check/credentials
postParams("username","root");
postParams("password","roeot");

Example response:
{"output":false}