

FreeYourID.com API documentation

How to easily enable personalization into any site with .name addresses

This document contains a short description on how to register and manage .name addresses using the FreeYourID API.

NOTE: This is a draft document and is subject to change.

What does a .name do?

For example, give all your users a personalized profile page, e.g. <http://peter.morgan.name>, or a personalized email, peter@morgan.name.

You can also add pagetags to consolidate different identity services under the .name, e.g.

<http://peter.morgan.name/cv> can point to <http://linkedin.com/in/petermorgan3>
<http://peter.morgan.name/photos> can point to http://flickr.com/users/pet_morg/12311455
etc.

A .name is like a .com, but for people. It is a basis for your online identity.

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API Interface: Interface, Output and Authentication

The REST API interface accepts HTTP(S) POST/GET only.

The URL is: [http\(s\)://freeyourid.com/api.php](http(s)://freeyourid.com/api.php)

The API command is set in the variable "command" and must be set for all interactions with the API.

Authentication: Some commands (typically registration operations and billing operations) require authentication by Partner (the organization using API for the benefit of its users). The authentication details will be created for Partner by request to FreeYourID on the email info@freeyourid.com

Authentication can happen either via the Reseller username/password or the user's own username/password. The latter is useful e.g. for widgets where a client side javascript controls the action. The former is useful where a server controls the communication and protects the reseller credentials for global access to all owned objects.

To authenticate as Partner, who has global access to all its objects (.name addresses), use the variables **auth_un** (Partner username) and **auth_pw** (password).

To authenticate as a User, with access to only this user's .name address (useful for where user input is directly fed into the system, like for widgets), use **auth_username** (user username) and **auth_password** (user password)

Output format text/xml: Set the desired format of the response using the variable **output_type**. Valid values for output_type=(text|xml).

Foreign User ID: Note that FreeYourID will (optionally) accept the field **custom_id** to store Partner's ID of the user.

Sandbox

To operate in a sandbox, use the following values for auth_un and auth_pw:
auth_un=sandbox, auth_pw=verysecret

In the sandbox, no domain names/emails/openIDs are registered. Otherwise, the system operates normally.

Getting a production account

To get a production account, please email us on info@freeyourid.com .

List of Available Commands:

- **namespinner** - find attractive available .names for a given firstname/lastname
- **register** – register a specified .name address
- **info** – return the user information associated with a registered .name
- **update** – update user information associated with a registered .name
- **pagetag_add** - add a pagetag to a .name address
- **pagetag_delete** – delete a pagetag from a .name address
- **pagetag_modify** – modify a pagetag
- **pagetag_listall** – list all pagetags for a given .name
- **user_list** – list all users

- **txn_list** – list all billable transactions
- **extend** – extend a registration
- **cancel** – cancel a registration
- **query_balance** – query the current credit balance of Partner

Quick Examples to get started

Try these commands in a unix type bash shell:

```
curl
"http://www.freeyourid.com/api.php?command=namespinner&firstnam
e=jeremy&lastname=smith&num_results=5&output_type=xml"
```

```
name=$RANDOM; curl
"http://www.freeyourid.com/api.php?command=register&dotnameemai
l=test"$name"@sandboxtest.name&password=secret&password2=secret
&email=test"$name"@example.name&country=US&address1=myaddressho
me&mobile=123123123&firstname=john&lastname=doe&city=oslo&postc
ode=12345&urlforward1=facebook.com&auth_un=sandbox&auth_pw=very
secret&output_type=xml"
```

Commands

Command: Namespinner

AUTHENTICATION REQUIRED:

None

INPUT:

Variable name	Explanation
firstname	First name of user
lastname	Last name of user
num_results	(optional) Number of results to be returned. Default is 3.

OUTPUT:

List of (*num_results*) available .name addresses

EXAMPLE RESPONSE SUCCESS:

```
<?xml version="1.0" encoding="UTF-8" ?>
<response>
<result>OK</result>
<elements>
<element>
<domain>james.paris.name</domain>
```

```

<email>james@paris.name</email>
<rank>0</rank>
</element>
<element>
  <domain>jp.paris.name</domain>
  <email>jp@paris.name</email>
  <rank>1</rank>
</element>
<element>
  <domain>paris.james.name</domain>
  <email>paris@james.name</email>
  <rank>2</rank>
</element>
<element>
  <domain>jamie.paris.name</domain>
  <email>jamie@paris.name</email>
  <rank>3</rank>
</element>
</elements>
</response>

```

EXAMPLE RESPONSE FAILED:

```

<?xml version="1.0" encoding="UTF-8" ?>
<response>
  <result>ERROR</result>
  <error>error message</error>
</response>

```

Command: Register

AUTHENTICATION REQUIRED:

Partner

INPUT:

Variable name	Explanation	Validation Regexp
auth_un	username of .name Partner requesting registration of a user	N.A.
auth_pw	password of .name Partner	N.A.
dotnameemail	The personalized email address to be registered - the corresponding domain will also be registered. E.g, if dotnameemail=john@doe.name , then the domain will be john.doe.name	[a-zA-Z0-9-]{1,63}@[a-zA-Z0-9-]{3,63}.name
password	User password, to be used for login to FreeyourID.com for management and for user's OpenID and any other services (if any)	[0-9a-zA-Z\$!\.\\- _]{5,}
password2	Must be identical to password. This is included so a user form input can be posted directly to API if so wanted by Partner	[0-9a-zA-Z\$!\.\\- _]{5,}
email	Current email address of the user. This will be the destination address of dotnameemail	[a-zA-Z0-9-]{1,63}@[a-zA-Z0-9-]{3,63}[a-zA-Z]{2,6}



urlforward1	(optional) Current webpage of user. This will be the destination address for web queries to domain	(optional) [0-9a-zA-Z-\.\:\?!\&_=\~]{3,255}
country	(optional) ISO-3166 Country code of user	[a-z]{2}
nowelcomeemail	Set this flag if you do not want a welcome email sent to the user from the FreeYourID system (can be customized for you)	(optional) (1)
noopenid	Set this flag if you do not want to register any OpenID for this .name	(optional) (1)

Command: Check

AUTHENTICATION REQUIRED:

User or Partner

INPUT:

username (the user's registered .name domain/email)

OUTPUT:

XML template with data in system on this user

```
<?xml version="1.0" encoding="UTF-8" ?>
<response>
  <result>OK</result>
  <username>test.example.name</username>
  <firstname></firstname>
  <lastname></lastname>
  <email>test7597@example.name</email>
  <country>UK</country>
  <dotnameemail>test@test.name</dotnameemail>
  <domain>test.gnrtest.name</domain>
  <openid>test.gnrtest.name</openid>
  <urlforward1>http://google.com</urlforward1>
  <emailforward1>test7597@gmail.com</emailforward1>
  <created date>2008-02-05 11:26:32</created date>
  <expiry_date>2008-05-05 11:26:32</expiry_date>
</response>
```

Command: Manage

AUTHENTICATION REQUIRED:

User or Partner

Inputs	
Variable name	Explanation
newurlforward1	new URL forwarding
newemailforward1	new email forwarding

firstname	
lastname	
mobile	
address1	
city	
postcode	
country	two-character ISO 3166 identifier

OUTPUT:

The now updated record on user in system

Command: pagetag_add

Add a page tag for user

E.g:

john.smith.name/blog will be set to point to

http://blogger.com/user/someusername

INPUT:

Variable name	Explanation
auth_username / custom_id	Username or Custom ID of user
page	Name of the page tag, e.g. "blog"
url	URL to which the page tag will point

OUTPUT:

OK or ERROR

Command: pagetag_modify

Modify the name of a page tag

Inputs

Variable name	Explanation
auth_username / custom_id	Username or Custom ID of user
page	Current page tag

newpage	New page tag
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OUTPUT:

OK or ERROR

Command: pagetag_delete

Delete a page tag

Inputs

Variable name	Explanation
auth_username / custom_id	Username or Custom ID of user
page	Current page tag

OUTPUT:

OK or ERROR

Command: pagetag_listall

List all page tags of user

Inputs

Variable name	Explanation
auth_username / custom_id	Username or Custom ID of user

OUTPUT:

A list of pagetags for this username

Command: user_list

List all users in reseller account, in chunks of 1000.

Inputs

Variable name	Explanation
start	The number of the record on which to start. Maximum 1000 records returned

OUTPUT:

A list of elements and creation/expiry dates

Command: txn_list

List all billable transactions deducted from reseller account.

Inputs

Variable name	Explanation
startdate	The earliest date of transactions
enddate	The latest date of transactions

OUTPUT:

A list of transactions

Command: extend

Extend a registration with a period The Partner's account will be debited with the associated price for the transaction.

Inputs

Variable name	Explanation
username	.name of the user to extend
item_id	The product code of the extension. Currently used: 2=ten year extension 3=one year extension 4=three month extension 5=one month extension

OUTPUT:

OK or ERROR

Command: cancel

Immediately cancel a registration

Inputs

Variable name	Explanation
username	.name of the user to extend

OUTPUT:
OK or ERROR

Command: query_balance

Query the balance of reseller on account

OUTPUT:
A balance in USD

Examples for Testing

For testing, here are some sample CURL commands:

```
#!/bin/bash

#This script tests basic commands in the FreeYourID API. Note
that if sandbox account is used, the domains are not actually
registered in DNS. For actual domain registration, please use
your dedicated partner account.

#SET A RANDOM NAME TO TEST WITH
firstname="myname"$RANDOM
lastname="sandboxtest"

#NAMESPINNER
curl
"http://freeyourid.com/api.php?command=namespinner&firstname=$f
irstname&lastname=$lastname"

#REGISTER A RANDOM NAME
curl
"http://freeyourid.com/api.php?command=register&auth_un=sandbox
&auth_pw=verysecret&dotnameemail=$firstname@$lastname.name&firs
tname=$firstname&lastname=$lastname&password=secret&password2=s
ecret&email=test@example.name&urlforward1=www.nic.name"

#CHECK
curl
"http://freeyourid.com/api.php?command=check&auth_username=$fir
stname.$lastname.name&auth_password=secret"

#MANAGE
curl
"http://freeyourid.com/api.php?command=manage&auth_username=$fi
rstname.$lastname.name&auth_password=secret&newemailforward1=te
st2@example.name"
```