

# **Safenames API v1.6**

## **User Guide**

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## Introduction

The Safenames API is an web-based API system for transferring, modifying and registering generic and international domain names.

The API is accessed by URLs; parameters are sent using form data via the POST method, and a single-line response code and description is returned.

**Please note:** For added security. The API will only accept POST data.

The API system will always return a single line response code and description. A positive response code (e.g. +150) indicates a successful command, whereas a negative response code (e.g. -151) indicates an error or failure.

Every function of the API requires the same four login parameters. These are:

- **CID:** The IDP Customer ID of the customer who is logging in to the API system. This should be the top-level customer.
- **SID:** The IDP Customer ID of the client whose account is being updated (i.e. registering a domain name to). This can be the same as the CID if the account is the top-level customer, otherwise the account must belong to the top-level customer.
- **user:** The IDP username.
- **pass:** The IDP password.

## *Domain Registration Example*

Example customer tree:

- Safenames Ltd (ID: 1155; username: guestusr; password: guestpwd)
  - Client Company (ID: 1504)
  - Another Company (ID: 1505)

To register a domain name to Client Company, the URL would be:

<https://api.idp365.com/register.aspx>

The form data sent to the above URL would be:

```
CID=1155
SID=1504
user=guestusr
pass=guestpwd
domain=domain.net
paymethod=invoice
```

## Client IDs

### URL

<https://api.idp365.com/clientids.aspx>

### Description

Displays a colon-separated list in plain text of the customer's client names and corresponding client IDs.

### Parameters

Name	Required?	Description	Example
CID	Yes	Customer ID of the customer logging in. This should be the top-level account	1155
SID	Yes	Client ID. ID of the client whose account the transferred domain should go into. The Client must belong to the customer logging in, <i>or</i> be the same as CID	1504
user	Yes	IDP login username (must match CID account)	Guestusr
pass	Yes	IDP login password. Must be the password for access level 1 (full access)	Guestpwd

## Country Codes

A list of country names and their corresponding country codes is available at: <https://api.idp365.com/countrycodes.aspx>. This may be required as the country field in createhandle.aspx will only accept a two-letter country code, not the country name.

Example – read full list programmatically at <https://api.idp365.com/countrycodes.aspx>

Country	ISO	Tel Code
Afghanistan	AF	+93.
Albania	AL	+355.
Albania	AL	+355.
Algeria	DZ	+213.
American Samoa	AS	+684.
Andorra	AD	+376.
Angola	AO	+244.
Anguilla	AI	+1264.
Antarctica	AQ	+672.
Antigua	AG	+1268.
Argentina	AR	+54.
Armenia	AM	+374.
Aruba	AW	+297.
Ascension Island	AC	+247.
Australia	AU	+61.
Austria	AT	+43.
Azerbaijan	AZ	+994.

## Transfer In

### URL

<https://api.idp365.com/transferin.aspx>

### Description

Allows a domain name to be transferred to Safenames Registrar and into the IDP. Note that the domain name cannot already exist in your IDP account.

A confirmation email is sent to the Admin contact of the client's account and to all of the parents' Admin contact email addresses (if any). The email will come from "Safenames Transfer <transfers@safenames.net>" with subject "Generic Domain Names Report".

### Parameters

Name	Required?	Description	Example
CID	Yes	Customer ID of the customer logging in. This should be the top-level account	1155
SID	Yes	Client ID. ID of the client whose account the transferred domain should go into. The Client must belong to the customer logging in, <i>or</i> be the same as CID	1504
user	Yes	IDP login username (must match CID account)	Guestusr
pass	Yes	IDP login password. Must be the password for access level 1 (full access)	Guestpwd
BAID	No	Billing Address ID. ID of alternate billing address for the invoice (optional)	19
paymethod	Yes	Must be either "cc" (credit card) or "invoice". If "cc" is entered, credit card details must exist in the client's IDP account.	cc
domain	Yes	Domain name to be requested for transfer into the IDP	domain.net
authcode	No	Authcode if applicable. This can be obtained from the domain's existing registrar.	biz1234

## Transfer Out

### URL

<https://api.idp365.com/transferout.aspx>

### Description

Allows a domain name to be unlocked and deleted from the IDP database, allowing it to be transferred out of the Safenames system. Please note that the domain name must match the following criteria for it to be transferred out successfully:

- The domain name must exist in the client's account
- It must not be deleted
- It must be registered
- The registrar of the domain name must be Safenames

### Parameters

Name	Required?	Description	Example
CID	Yes	Customer ID of the customer logging in. This should be the top-level account.	1155
SID	Yes	Client ID. ID of the client whose account the transferred domain belongs to. The Client must belong to the customer logging in, <i>or</i> be the same as CID.	1504
User	Yes	IDP login username.	guestusr
Pass	Yes	IDP login password. Must be the password for access level 1 (full access)	guestpwd
Domain	Yes	Domain name to be transferred out of the IDP	domain.net
IPStag	No	An IPS tag is <i>only</i> required when transferring .UK domain names. The IPS tag can be obtained from the domain's existing registrar.	myreg

## Modify DNS

### URL

<https://api.idp365.com/modifydns.aspx>

### Description

Allows the nameservers of a domain name to be changed. Please note that the domain name must match the following criteria for its nameservers to be modified successfully:

- The domain name must exist in the client's account
- It must not be deleted
- It must be registered
- The registrar of the domain name must be Safenames

A confirmation email is sent to the organisation and admin contact email addresses of the client, and to all organisation and admin contact email addresses of all parent companies (if any). The email will come from "Safenames Report <modifydns@safenames.net>" with subject "Safenames Nameserver Modification Report".

### Parameters

Name	Required?	Description	Example
CID	Yes	Customer ID of the customer logging in. This should be the top-level account.	1155
SID	Yes	Client ID. ID of the client whose account the domain to be modified belongs to. The Client must belong to the customer logging in, <i>or</i> be the same as CID.	1504
user	Yes	IDP login username.	guestusr
pass	Yes	IDP login password. Must be the password for access level 1 (full access)	guestpwd
domain	Yes	Domain name to be modified. Domain must be registered.	domain.net
ns1	Yes	Primary nameserver address	dns1.server.net
ip1	Yes	Primary nameserver's IP address	127.0.0.1
ns2	Yes	Secondary nameserver address	dns2.server.net
ip2	Yes	Secondary nameserver's IP address	127.0.0.2
ns3	No	Tertiary nameserver address	dns3.server.net
ip3	No	Tertiary nameserver's IP address. Required only if ns3 is specified.	127.0.0.3
IDPDNS	Yes	If this value is set to "true", the domain will be modified to use the IDP DNS servers, and the ns/ip values described above will be ignored.	true <i>or</i> false

## Domain Registration

### URL

<https://api.idp365.com/register.aspx>

### Description

Registers a domain name.

A confirmation email of the order is sent to the client's organisation email address, and all parents' organisation email addresses (if any). The email will come from "IDP365 Domain Order <idporderform@idp365.net>" with subject "Domain Order". Upon successful registration of the domain name, another email is sent out to the Admin contact of the client and all of the parents' Admin contact email addresses (if any). The email will come from "Safenames Registrations <registrations@safenames.net>" with subject "Generic Domain Names Report".,

### Parameters

Name	Required?	Description	Example
CID	Yes	Customer ID of the customer logging in. This should be the top-level account.	1155
SID	Yes	Client ID. ID of the client whose account the new domain will belong to. The Client must belong to the customer logging in, <i>or</i> be the same as CID.	1155
user	Yes	IDP login username.	guestusr
pass	Yes	IDP login password. Must be the password for access level 1 (full access)	guestpwd
domain	Yes	Domain name to register	domain.net
BAID	No	Billing Address ID. ID of alternate billing address for the invoice (optional)	19
paymethod	Yes	Must be either "cc" (credit card) or "invoice". If "cc" is entered, credit card details must exist in the client's IDP account. Credit card details can be added via the IDP Client Profile.	invoice



## Create Handle

### URL

<https://api.idp365.com/createhandle.aspx>

### Description

Allows new clients to be created in the IDP system. The customer ID of the new account is returned in the success message (see Response Codes in the Appendix).

### Parameters

Name	Required?	Description	Example
CID	Yes	Customer ID of the customer logging in. This should be the top-level account.	1155
SID	Yes	Client ID. ID of the client who will be the parent of the new account. The new account will go under this Client. The Client must belong to the customer logging in, <i>or</i> be the same as CID.	1155
user	Yes	IDP login username.	guestusr
pass	Yes	IDP login password. Must be the password for access level 1 (full access)	guestpwd
orgname	Yes	Organisation name of the new client. This must be unique	My Client
contactname1	Yes	Contact name	J. Smith
email1	Yes	Contact email address. This must be a valid email address. Separate multiple email addresses with a semi-colon	jsmith@ex.net; jsmith@ex.it
addressline1	Yes	First line of the postal address	36 Linford Forum
addressline2	No	Second line of the postal address (optional)	Linford Wood
city	Yes	City	Milton Keynes
state	No	State	Bucks
postcode	Yes	Zip / Post code	MK14 6LY
country	Yes	Two-character country code.	UK
telno	No	Contact telephone number. Must be in the format "+CountryCode.TelNo"	+44.19082000 22
faxno	No	Contact facsimile number. Must in the format "+CountryCode.FaxNo"	+44.19083251 92

## Bulk Availability Checker

### **URL**

`http://apicheck.idp365.com/nsbatch3.cgi?safenames.com|safenames123.net`

### **Description**

Safenames provide a bulk availability checker for api users to ensure that domains are available prior to order. All domains are also checked during actual order placement.

Checker supports all ccTLD offered by Safenames.

### **Parameters**

Domains should be separated by the 'pipe' upto 50 domains can be checked in each request.

### **Response**

The response will contain the original domains separated with a pipe but containing an additional status keyword of Taken or Available

`safenames.com:Taken|safenames123.net:Available|`

## Domain Renewals

### URL

<https://api.idp365.com/renew.aspx>

### Description

Use to add years to domains, or to indicate a desire not to renew a domain or receive a list of renewals that match a given date range.

To renew a domain first a check command must be issued to get the renewal date, then submit the renewal and the period in years.

If you do to wish to renew a domain name send a DONOTRENEW command, Safenames will then delete the domain name on its expiry date.

Some ccTLD can only be renewed for the period they were registered for.

### Parameters

Name	Required?	Description	Example
CID	Yes	Customer ID of the customer logging in. This should be the top-level account.	1155
SID	Yes	Client ID. The Client must belong to the customer logging in, <i>or</i> be the same as CID.	1155
user	Yes	IDP login username.	guestusr
pass	Yes	IDP login password. Must be the password for access level 1 (full access)	guestpwd
action	Yes	Can be type CHECK – gets current renewal date ADD – add years to domain LIST – list all renewals due DONOTRENEW – notify Safenames to delete the domain name at expiry	ADD
BAID	No	Billing Address ID. ID of alternate billing address for the invoice (optional)	19
Years	No	Specify number of years to add, only applicable to generics, ccTLD will only be renewed for the same period as registration.	
CurrentRenewalDate	No	Supply the current renewal date	2005-01-01
DomainName	No	Set start window	Domain.net
DateFrom	No	Set start window	2005-01-01
DateTo	No	Set end window	2005-12-01

\* Note date format is YYYY-MM-DD

## Test Server

A Test Server is available for testing request and response codes. The Test Server does **NOT** register, transfer or modify domain names, and new clients are not created in the IDP. The Test Server is only used for testing the validity of the data passed to the API, and for testing response and error codes.

### *Test Server URLs*

The URLs for testing are listed below:

Form data submission (for testing purposes):

<http://dev-api.idp365.com/postform.aspx>

Transfer In:

<http://dev-api.idp365.com/transferin.aspx>

Transfer Out:

<http://dev-api.idp365.com/transferout.aspx>

Modify DNS:

<http://dev-api.idp365.com/modifydns.aspx>

Domain Registration:

<http://dev-api.idp365.com/register.aspx>

Create Handle

<http://dev-api.idp365.com/createhandle.aspx>

Create Handle

<http://dev-api.idp365.com/renew.aspx>

## APPENDIX A

### ***Login Response Codes***

- 101: Missing login parameters
- 103: Incorrect username and password

### ***Transfer In Response Codes***

- +110: Domain name successfully requested for transfer
- 105: Invalid paymethod value
- 107: Invalid domain value
- 109: Domain already exists in IDP database
- 111: Domain name is locked and cannot be requested for transfer
- 113: Domain name failed to be requested for transfer
- 115: Domain name is already flagged for transfer
- 117: Domain name requires an authcode attribute

### ***Transfer Out Response Codes***

- +130: Transfer out successful
- 131: Invalid domain value
- 133: Domain not valid for transfer out process
- 135: Domain name could not be unlocked
- 137: Domain name requires IPSTAG attribute

### ***Modify DNS Response Codes***

- +140: Nameserver modification successful
- 141: Invalid domain value
- 143: Domain not valid for modify DNS process
- 145.1: Invalid nameserver. Invalid primary and secondary nameservers
- 145.2: Invalid nameserver. Invalid primary and secondary IP addresses
- 145.3: Invalid nameserver. Invalid tertiary nameserver. Leave field empty to skip
- 145.4: Invalid nameserver. Invalid tertiary IP address. Leave ns3 field empty to skip
- 147: Nameserver modification failed
- 149: Invalid IDPDNS value. Must be true or false

### ***Domain Registration Response Codes***

- +150: Domain registration successful
- 151: Invalid domain value
- 153: Invalid paymethod value
- 155: Domain name already exists in IDP database
- 157: No credit card details found for client
- 159: Domain registration failed

## ***Create Handle Response Codes***

- +160: Profile created successfully. Customer ID=<NEW ID>
- 163: Orgname must be at least 4 characters
- 165: Contactname1 must be at least 4 characters
- 169: Email address email1 is missing or invalid
- 173: Addressline1 must be at least 4 characters
- 175: Addressline2 must be at least 4 characters
- 177: City must be at least 4 characters
- 179: Postcode is missing
- 181: Invalid country value
- 183: Incorrect format for Telno
- 185: Incorrect format for Faxno
- 187: Company name already exists in the IDP database

## ***Renew Domain Response Codes***

- +190: Domain successfully renewed
- 191: Domain not eligible for renewal
- 192: Invalid action
- 193: Invalid domain value
- 194: Invalid from date format must be YYYY-MM-DD
- 195: Invalid todate format must be YYYY-MM-DD
- 196: No years specified
- 197: Current Renewal not supplied
- 198: No renewals between specified dates
- 199: TLD does not support renewal for that number of years
- 200: Check requires domain