

yalst LiveSupportTool

Administrator API Documentation

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Introduction

The Administrator API (application programming interface) allows you to create or edit customers and to create or edit yalst instances. It can be used to automate the creation of yalst customers and packages on your server. All API functions return their answers in the JSON format (see www.json.org for details) using the UTF-8 character set.

Prerequisites

You will need yalst 9.2 (or newer) to use the Administrator API. This API can only be used in download versions of yalst.

You will also need an API key for every command. The API key must be defined in the [admin] section of your yalst/data/config.ini file:

```
[Admin]
...
api_key = "d8e34f1e8a49276de8d6529621a354ba"
...
```

The API key needs to be 32-character hexadecimal string.

API Calls

API calls are simple http (not recommended) or https (if supported by the respective yalst installation) invocations of the api.php script:

```
http://www.example.com/yalst/admin/api.php?cmd=hello&apikey=xyz
```

Please replace "www.example.com" with the domain of the respective yalst installation. Here is a sample answer in the JSON format:

```
{
  "version": "1.0",
  "language": "en",
  "edition": "Business",
  "licenses": 30,
  "operators": 10,
  "whitelabel": "false",
  "customers": 6,
  "instances": 12
}
```

Error Handling

Error messages will also be returned in the JSON format:

```
{
  "error": "missing ini file",
  "code": 1
}
```

API Commands

HELLO

api.php?cmd=hello&apikey=xyz

Purpose:

collect general information about yalst installation

Parameters:

apikey API key (as defined in config.ini)
 clientcap API version the client supports (e.g. 1.2, 1.0 if omitted)

Returns:

version	string	version of Administrator API
language	string	primary language of yalst installation (currently "en" or "de")
edition	string	edition of yalst
licenses	integer	number of licenses
operators	integer	maximum number of operators per license
whitelabel	boolean	returns true for whitelabel installations
customers	integer	current number of customers
instances	integer	current number of yalst instances

Command-specific errors:

31 "mysql query failed" (can't read from settings table)
 32 "mysql query failed" (can't read from customers table)

CUSTOMER.CREATE

api.php?cmd=customer.create&apikey=xyz

Purpose:

create a new and empty customer record

Parameters:

apikey API key (as defined in config.ini)
 clientcap API version the client supports (e.g. 1.2, 1.0 if omitted)

Returns:

cno integer customer number of the new record

Command-specific errors:

- 33 "mysql_query failed" (can't read from customer table)
- 34 "mysql_query failed" (can't write to customer table)

CUSTOMER.UPDATE

api.php?cmd=customer.update&apikey=xyz&cno=CNO&update=FIELD&value=VALUE

Purpose:

edit an existing customer

Parameters:

- apikey API key (as defined in config.ini)
- clientcap API version the client supports (e.g. 1.2, 1.0 if omitted)
- cno customer number (as returned by the customer.create command)
- update field to update (see list below)
- value new value of the field (can be omitted to empty a field)

Field list:

- company company name (max. 80 characters)
- user contact person (max. 80 characters)
- password password (8 to 64 characters, same requirements as in yalst administration)
- street street address (max. 80 characters)
- city postal code and city (max. 80 characters)
- country two-character country code (this field requires a value)
- phone phone number (max. 80 characters)
- email e-mail address (max. 80 characters)
- notes customer notes/remarks (must fit into an MySQL TEXT field)
- active boolean value, "false" deactivates customer account
- resetpass boolean value, "true" forces customer to choose a new password

Returns:

- update string "OK"

Command-specific errors:

- 35 "missing cno parameter"
- 36 "invalid cno parameter"
- 37 "mysql_query failed" (can't read from customer table)
- 38 "customer not found"
- 47 "missing update parameter"
- 48 "invalid update parameter"
- 49 "mysql_query failed" (can't update the database)
- 50 "field value too long"
- 51 "field requires a value"
- 52 "invalid country value"
- 53 "invalid email address"
- 54 "field value too short"
- 55 "space character in password"
- 57 "password requires at least one digit"
- 56 "password identical with user field"

58 "password requires at least one upper-case character"
 59 "password requires at least one lower-case character"
 60 "password is too easy"
 61 "invalid character(s) in password"

CUSTOMER.READ

api.php?cmd=customer.read&apikey=xyz&cno=CNO

Purpose:
 retrieve a customer record

Parameters:

apikey API key (as defined in config.ini)
 clientcap API version the client supports (e.g. 1.2, 1.0 if omitted)
 cno customer number (as returned by the customer.create command)

Returns:

company	string	company name
user	string	contact person
street	string	street address
city	string	postal code and city
country	string	two-character country code
phone	string	phone number
email	string	e-mail address
notes	string	customer notes/remarks

Command-specific errors:

35 "missing cno parameter"
 36 "invalid cno parameter"
 37 "mysql_query failed" (can't read from customer table)
 38 "customer not found"

PRODUCT.CREATE

api.php?cmd=product.create&apikey=xyz&cno=CNO

Purpose:
 create a new yalst package with default settings

Parameters:

apikey API key (as defined in config.ini)
 clientcap API version the client supports (e.g. 1.2, 1.0 if omitted)
 cno customer number (as returned by the customer.create command)

Returns:

site	string	site name, e.g. "1-1"
------	--------	-----------------------

Command-specific errors:

35 "missing cno parameter"
 36 "invalid cno parameter"
 37 "mysql_query failed" (can't read from customer table)
 38 "customer not found"
 39 "mysql_query failed" (can't read from product table)
 40 "mysql_query failed" (can't write to product table)
 41 "mysql_query failed" (can't write to settings table)
 42 "mysql_query failed" (can't write to monitor table)
 110 "license exhausted"

PRODUCT.UPDATE

api.php?cmd=product.create&apikey=xyz&site=SITE&update=FIELD&value=VALUE

Purpose:

update settings of a yalst package

Parameters:

apikey API key (as defined in config.ini)
 clientcap API version the client supports (e.g. 1.2, 1.0 if omitted)
 site site name (as returned by the product.create command)
 update field to update (see list below)
 value new value of the field (can be omitted to empty a field)

Field list:

edition "basic" or "professional" or "business"
 operators max. number of operators (can't exceed current license)
 whitelabel boolean value, "true" for a whitelabel package
 license "full" or date of test access expiration in YYYYMMDD format
 button_online URL of online button (max. 120 characters, field requires a value)
 button_offline URL of offline button (max. 120 characters)
 domain domain of yalst site (max. 80 characters, field requires a value)
 email contact address for contact forms and transcripts (max. 80 characters)

Returns:

update string "OK"

Command-specific errors:

43 "missing site parameter"
 44 "invalid site parameter"
 45 "mysql_query failed" (can't read from settings table)
 46 "site not found"
 63 "invalid update parameter"
 64 "mysql_query failed" (can't write to settings table)
 66 "invalid edition"
 67 "no license for this edition"
 68 "no license for whitelabel"
 69 "no license for unlimited operators"
 70 "invalid operator number"

- 71 "no license for N operators" (N stands for the desired operator number)
- 72 "field requires a value"
- 73 "invalid license value"
- 74 "license date is in the past"
- 75 "field value too long"
- 76 "invalid email address"
- 77 "invalid URL scheme"
- 78 "invalid URL host"
- 79 "invalid URL path"
- 80 "invalid domain value"

PRODUCT.READ

api.php?cmd=product.read&apikey=xyz&site=SITE&user=USER&pass=PASS...

Purpose:
read key site settings

Parameters:

apikey API key (as defined in config.ini)
 clientcap API version the client supports (e.g. 1.2, 1.0 if omitted)
 site site name (as returned by the product.create command)

Returns:

license	string	"full" or "test (expired YYYY-MM-DD)" or "test (expires YYYY-MM-DD)"
edition	string	"Basic" or "Professional" or "Business"
operators	integer	maximum number of operators
whitelabel	boolean	returns true for whitelabel sites
domain	string	domain of yalst site
email	string	contact address for contact forms and transcripts
button_online	string	URL of online button
button_offline	string	URL of offline button

Command-specific errors:

- 43 "missing site parameter"
- 44 "invalid site parameter"
- 45 "mysql_query failed" (can't read from settings table)

FIRSTOP.CREATE

api.php?cmd=firstop.create&apikey=xyz&site=SITE&user=USER&pass=PASS...

Purpose:
create the first operator for a yalst site

Parameters:

apikey	API key (as defined in config.ini)
clientcap	API version the client supports (e.g. 1.2, 1.0 if omitted)
site	site name (as returned by the product.create command)
user	user name for operator (max. 8 characters)
pass	password for operator (8 to 64 characters, same requirements as in yalst administration)
name	first and last name or nickname of operator (max. 30 characters)

Returns:

operator	string	"OK"
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Command-specific errors:

43	"missing site parameter"
44	"invalid site parameter"
45	"mysql_query failed" (can't read from settings table)
75	"field value too long"
81	"mysql_query failed" (can't read from login table)
82	"site already has operator(s)"
83	"missing user parameter"
84	"invalid user parameter"
85	"missing pass parameter"
86	"field value too short"
87	"space character in password"
88	"password requires at least one digit"
89	"password requires at least one upper-case character"
90	"password requires at least one lower-case character"
91	"password is too easy"
92	"invalid character(s) in password"
93	"missing name parameter"
94	"mysql_query_failed" (can't read from login table)
111	"mysql_query failed" (cant't write to login table)

FIRSTOP.UPDATE

api.php?cmd=firstop.update&apikey=xyz&site=SITE&update=FIELD&value=VALUE

Purpose:

update the first (and only) operator of a yalst site

Parameters:

apikey	API key (as defined in config.ini)
clientcap	API version the client supports (e.g. 1.2, 1.0 if omitted)
site	site name (as returned by the product.create command)
update	field to update (see list below)
value	new value of the field (required for all fields)

Field list:

pass password for operator (8 to 64 characters, same requirements as in yalst administration)
name first and last name or nickname of operator (max. 30 characters)

Returns:

update string "OK"

Command-specific errors:

43 "missing site parameter"
44 "invalid site parameter"
45 "mysql_query failed" (can't read from settings table)
95 "mysql_query failed" (can't read from login table)
96 "site has no operators"
97 "site has more than one operator"
98 "missing update parameter"
99 "invalid update parameter"
100 "missing value parameter"
101 "mysql_query failed" (can't write to login table)
102 "field value too long"
103 "space character in password"
104 "field value too short"
105 "password requires at least one digit"
106 "password requires at least one upper-case character"
107 "password requires at least one lower-case character"
108 "password is too easy"
109 "invalid character(s) in password"

General Errors

1	"missing ini file"
2	"error loading ini file"
3	"invalid MySQL database value in ini file"
4	"missing MySQL database in ini file"
5	"invalid MySQL user value in ini file"
6	"missing MySQL user in ini file"
7	"missing MySQL password in ini file"
8	"missing domain in ini file"
9	"invalid product key value in ini file"
10	"missing product in ini file"
11	"installation is in maintenance mode"
12	"invalid API key value in ini file"
13	"missing API key in ini file"
14	"missing license key file"
15	"error reading license key file"
16	"license error code 1"
17	"invalid license key contents"
18	"license expired"
19	"license error code 3"
20	"license error code 4"
21	"license error code 2"
22	"license error code 6"
23	"API not available in this edition"
24	"missing apikey parameter"
25	"invalid apikey parameter"
26	"mysql_connect failed"
27	"mysql_select_db failed"
28	"missing language file"
29	"missing command parameter"
30	"invalid command parameter"

API Versions

1.0 yalst 9.2