

# UAPI - The Cpanel::Args Object

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## Introduction

UAPI modules use the `Cpanel::Args` object to receive arguments (input parameters). When you write a custom UAPI module, you **must** use this object for your functions to operate correctly.

For more information about methods in Perl, read [perl.org's perlobj documentation](#).

## Required \$args declaration

Before you can use `Cpanel::Args` methods, you must declare the `$args` variable, as in the following example:

```
sub custom_function {  
    my ( $args, $result ) = @_;  
}
```

This example declares the `$args` and `$result` variables, and assigns values from the input parameters that the function received.

### Important:

We **strongly** recommend that you begin **all** custom functions with the `my ( $args, $result ) = @_;` declaration. Functions that do not perform this action will experience errors.

For more information about the `Cpanel::Result` object, read our [Cpanel::Result Object](#) documentation.

## Methods

The `Cpanel::Args` object includes methods that you can use to incorporate input parameter values into your function call.

### `$args->exists()`

This method checks whether a named parameter exists. Use this method, for example, to ensure that a value exists for an input parameter before you attempt to perform the function's action.

```
# Check whether the param1 input  
parameter exists.  
$args->exists('param1');
```

In this example, the `exists` method checks whether a value exists for the `param1` input parameter.

- If the `param1` parameter exists, the method returns true (1).
- If the `param1` parameter does not exist, the method returns false (0).

## UAPI Basics

## About UAPI

UAPI accesses and modifies data for cPanel accounts.

### Notes:

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Branding:: file

Branding:: get\_applications

Branding:: get\_application\_information

Branding:: get\_available\_applications

Branding:: get\_information\_for\_applications

Branding:: image

Branding:: include

Branding:: spritelist

▼ CacheBuster

CacheBuster:: read

CacheBuster:: update

▼ Chkservd

Chkservd:: get\_exit\_ports

Chkservd:: get\_exit\_ports\_ssl

▼ Chrome

Chrome:: get\_dom

▼ Contactus

Contactus:: is\_enabled

▼ cPAddons

cPAddons:: get\_available\_addons

cPAddons:: get\_instance\_settings

cPAddons:: list\_addon\_instances

▼ cPGreyList

cPGreyList:: disable\_all\_domains

cPGreyList:: disable\_domains

cPGreyList:: enable\_all\_domains

cPGreyList:: enable\_domains

cPGreyList:: has\_greylisting\_enabled

cPGreyList:: list\_domains

▼ DAV

DAV:: disable\_shared\_global\_addresses

**Note:**

This method returns true if the parameter exists with a null or blank value.

**\$args->get()**

This method retrieves one or more named parameters. We recommend that you use this method to assign values from optional input parameters.

```
# Assign param1's value to $arg1 and
param2's value to $arg2.
# The param1 and param2 input parameters
are optional.
my($arg1, $arg2) = $args->get('param1',
'param2');
```

This example assigns the `param1` parameter's value to the `$arg1` variable, and the `param2` parameter's value to the `$arg2` variable.

**Note:**

This method does not return runtime errors if the method attempts to assign a value from a nonexistent parameter.

- For this reason, we recommend that you do **not** use this method with required parameters.
- To check whether a parameter exists and then return the value or an error message, use the `get_required()` method.

**\$args->get\_required()**

This method checks whether a named parameter exists.

- If the parameter exists, the method returns that parameter and its value.
- If it does not exist, the method returns a predetermined error message.

We recommend that you use this method to assign values from required input parameters that could have a blank value.

```
# Assign param1's value to $variable.
# Returns an error if param1 does not
exist.
# No error if param1's value is blank.
my ($variable) =
$args->get_required('param1');
```

This example uses the `get_required` method to check whether the `param1` parameter exists, and then assigns the parameter and its value to the `$variable` variable.

**Note:**

This method does **not** return an error if the parameter exists with a null or blank value.

**Related Documentation**

- Use WHM API to Call cPanel API and UAPI — You can call cPanel API and UAPI functions through the WHM API.
- Guide to the Manage2 API — The Manage2 API automates cPanel license management procedures.

sbook

DAV:: enable\_shared\_global\_addressbook

DAV:: get\_calendar\_contacts\_config

DAV:: has\_shared\_global\_addressbook

DAV:: is\_dav\_service\_enabled

DAV:: is\_horde\_enabled

#### DCV

DCV:: check\_domains\_via\_dns

DCV:: check\_domains\_via\_http

DCV:: ensure\_domain\_can\_pass\_dcv

#### DomainInfo

DomainInfo:: domains\_data

DomainInfo:: list\_domains

DomainInfo:: main\_domain\_builtin\_subdomain\_aliases

DomainInfo:: single\_domain\_data

#### DNS

DNS:: ensure\_domain\_reside\_only\_locally

DNS:: has\_local\_authority

#### DNSSEC

DNSSEC:: disable\_dnssec

DNSSEC:: enable\_dnssec

DNSSEC:: fetch\_dns\_records

DNSSEC:: set\_nsec3

DNSSEC:: unset\_nsec3

#### Email

Email:: account\_name

Email:: add\_auto\_responder

Email:: add\_domain

### `$args->get_length_required()`

This method checks whether a named parameter exists, and ensures that it is not a blank or null value.

- If the parameter exists and has a value, the method returns that parameter and its value.
- If it does not exist, has a blank value, or has a null value, the method returns a predetermined error message.

We recommend that you use this method to assign values from required input parameters that **must not** be empty.

```
# Assign param1's value to $variable.  
# Returns an error if param1 does not  
# have a value or is empty.  
my ($variable) =  
$args->get_length_required('param1');
```

This example uses the `get_length_required` method to check whether the `param1` parameter exists and has a valid value, and then assigns the parameter and its value to the `$variable` variable.

### `$args->add()`

This method adds a `key=value` pair to the currently available named parameters. Use this method, for example, to introduce additional parameters from another subroutine.

```
$args->add('parameter_name', 'value');
```

In this example, the `add` method adds the `parameter_name` parameter, and assigns it a value of `value`.

### `$args->keys()`

This method retrieves all of the current named parameters. Use this method to assign all of the named input parameters to an array, without the need to explicitly name each parameter.

```
my $value = $args->keys();
```

In this example, the `keys` method assigns all of the available named parameters and their values to the `$value` variable.

- [Guide to UAPI — UAPI accesses the cPanel interface's features.](#)
- [Guide to WHM API 0 — WHM API 0 accesses the WHM interface's features.](#)
- [Guide to cPanel API 2 — cPanel API 2 accesses cPanel account information and modifies settings.](#)

n\_forwarder

Email:: add\_forwar  
der

Email:: add\_list

Email:: add\_mailm  
an\_delegates

Email:: add\_mx

Email:: add\_pop

Email:: add\_spam  
\_filter

Email:: browse\_m  
ailbox

Email:: change\_mx

Email:: check\_fast  
mail

Email:: check\_pipe  
\_forwarder

Email:: delete\_aut  
o\_responder

Email:: delete\_do  
main\_forwarder

Email:: delete\_filter

Email:: delete\_for  
warder

Email:: delete\_hel  
d\_messages

Email:: delete\_list

Email:: delete\_mx

Email:: delete\_pop

Email:: disable\_filt  
er

Email:: disable\_ma  
ilbox\_autocreate

Email:: disable\_sp  
am\_assassin

Email:: disable\_sp  
am\_autodelete

Email:: disable\_sp  
am\_box

Email:: dispatch\_cl  
ient\_settings

Email:: edit\_pop\_q  
uota

Email:: enable\_filt  
er

Email:: enable\_ma  
ilbox\_autocreate

Email:: enable\_sp  
am\_assassin

Email:: enable\_spam\_box

Email:: fetch\_charmaps

Email:: fts\_rescan\_mailbox

Email:: generate\_mailman\_otp

Email:: get\_auto\_responder

Email:: get\_charts

Email:: get\_client\_settings

Email:: get\_default\_email\_quota

Email:: get\_default\_email\_quota\_mib

Email:: get\_disk\_usage

Email:: get\_filter

Email:: get\_held\_message\_count

Email:: get\_mailbox\_autocreate

Email:: get\_mailman\_delegates

Email:: get\_main\_account\_disk\_usage

Email:: get\_main\_account\_disk\_usage\_bytes

Email:: get\_max\_email\_quota

Email:: get\_max\_email\_quota\_mib

Email:: get\_pop\_quota

Email:: get\_spam\_settings

Email:: get\_webmail\_settings

Email:: has\_delegated\_mailman\_lists

Email:: has\_plaintext\_authentication

Email:: hold\_outgoing

Email:: is\_integer

Email:: list\_auto\_r

esponders

Email:: list\_default  
\_address

Email:: list\_domain  
\_forwarders

Email:: list\_filters

Email:: list\_filters\_  
backups

Email:: list\_forward  
ers

Email:: list\_forward  
ers\_backups

Email:: list\_lists

Email:: list\_mail\_d  
omains

Email:: list\_mx

Email:: list\_pops

Email:: list\_pops\_  
with\_disk

Email:: list\_system  
\_filter\_info

Email:: passwd\_list

Email:: passwd\_po  
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Email:: release\_ou  
tgoing

Email:: remove\_m  
ailman\_delegates

Email:: reorder\_filt  
ers

Email:: set\_always  
\_accept

Email:: set\_default  
\_address

Email:: set\_list\_pri  
vacy\_options

Email:: stats\_db\_st  
atus

Email:: store\_filter

Email:: suspend\_in  
coming

Email:: suspend\_lo  
gin

Email:: suspend\_o  
utgoing

Email:: trace\_filter

Email:: unsuspend  
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Email:: unsuspend  
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Email:: unsuspend  
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Email:: verify\_pass  
word

▼ EmailAuth

EmailAuth:: disabl  
e\_dkim

EmailAuth:: enable  
\_dkim

EmailAuth:: ensure  
\_dkim\_keys\_exist

EmailAuth:: fetch\_  
dkim\_private\_keys

EmailAuth:: install  
\_dkim\_private\_key  
s

EmailAuth:: install  
\_spf\_records

EmailAuth:: validat  
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▼ ExternalAuthenticat  
ion

ExternalAuthentic  
ation:: add\_authn\_li  
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ation:: configured\_  
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Fileman:: upload\_files

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Ftp:: allows\_anonymous\_ftp\_incoming

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Ftp:: get\_ftp\_daemon\_info

Ftp:: get\_port

Ftp:: get\_quota

Ftp:: get\_welcome\_message

Ftp:: kill\_session

Ftp:: list\_ftp

Ftp:: list\_ftp\_with\_disk

Ftp:: list\_sessions

Ftp:: passwd

Ftp:: server\_name

Ftp:: set\_anonymous\_ftp

Ftp:: set\_anonymous\_ftp\_incoming

Ftp:: set\_homedir

Ftp:: set\_quota

Ftp:: set\_welcome\_message

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KnownHosts:: update

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Mime:: add\_hotlink

Mime:: add\_mime

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UserManager:: list  
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UserManager:: loo  
kup\_service\_accou  
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kup\_user

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eManager:: chang  
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WordPressInstanc  
eManager:: config  
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WordPressInstanc  
eManager:: get\_ap  
i\_version

WordPressInstanc  
eManager:: get\_in  
stance\_by\_id

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eManager:: get\_in  
stances

WordPressInstanc  
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est\_wordpress\_ver  
sion\_from\_wordpr  
ess\_org

WordPressInstanc  
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an\_results

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