

WHM API 1 - Return Data

Guide to WHM API 1

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[restoreaccount](#)

[verify_new_username_for_restore](#)

Introduction

WHM API 1 outputs data in either JSON or XML format. The output format depends on the options that you choose when you call the function.

- We **strongly** recommend that you use [JavaScript Object Notation \(JSON\)](#).
- [Extensible Markup Language \(XML\)](#) requires additional computational resources, and has complex requirements that can cause difficulty during the development process. This API's XML output is **not** compliant with XML standards, and it may result in validation errors.



Important:

cPanel & WHM version 66 **deprecated** XML output for [cPanel API 1](#), [cPanel API 2](#), [UAPI](#), [WHM API 0](#), and [WHM API 1](#).

- Calls for XML API output will return a deprecation warning.
- We plan to remove XML output entirely in a future version of cPanel & WHM.

For more information, read our [cPanel Deprecation Plan](#) documentation.

Basic return data

Both JSON and XML output return data as hashes or arrays of hashes. All WHM API 1 function output follows the following basic structure:

- A top-level hash contains the `data` and `metadata` hashes. In XML output, `<result>` tags wrap the top-level hash of output.
 - The `data` hash contains the function's output parameters.
 - The `metadata` hash contains the function's metadata parameters.

Metadata



Important:

- WHM API 1 function documentation does not include `metadata` parameters in the table of return parameter information.
- WHM API 1 calls via the command line do **not** return the metadata that other methods return if they experience errors that prevent a successful function run. To check for errors in code that calls WHM API 1 functions via the command line, validate the command line return for a nonzero exit code instead.

The metadata hash includes the following output parameters:

Metadata parameter	Type	Description	Possible values	Example
<code>version</code>	<i>integer</i>	The WHM API version.	For WHM API 1 functions, this value is always 1.	1
<code>reason</code>	<i>string</i>	A message of success, or a reason for failure.	<ul style="list-style-type: none">• OK• An error message.	OK
<code>result</code>	<i>Boolean</i>	Whether the function succeeded.	<ul style="list-style-type: none">• 1 — Success.• 0 — Failure.	1

WHM API 1 Basics

Available in:
WHM 11+
Languages:
JSON, XML
Methods:
GET, POST
Return Format:
JSON, XML



Important:

cPanel & WHM version 66 **deprecated** XML output.

About WHM API 1

WHM API 1 performs functions and accesses data in WHM.



Notes:

[accountsummary](#)
[applist](#)
[createacct](#)
[domainuserdata](#)
[editquota](#)
[forcepasswordchange](#)
[get_disk_usage](#)
[get_domain_info](#)
[getdomainowner](#)
[has_digest_auth](#)
[has_mycnf_for_cpuser](#)
[limitbw](#)
[list_users](#)
[listaccts](#)
[listlockedaccounts](#)
[listsuspended](#)
[modifyacct](#)
[myprivs](#)
[passwd](#)
[quota_enabled](#)
[removeacct](#)
[set_digest_auth](#)
[showbw](#)
[suspendacct](#)
[unsuspendacct](#)
[untrack_acct_id](#)
[verify_new_username](#)
[convert_addon_fetch_conversion_details](#)
[convert_addon_fetch_domain_details](#)
[convert_addon_get_conversion_status](#)

command	<i>string</i>	The WHM API 1 function name.	Any WHM API 1 function's name.	listaccts
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Note:

If the function returns a hash with a single key whose value is an array, the metadata will include the `payload_is_literal` output parameter with a value of 1. You will **only** receive this parameter when you call WHM API's [rename_mysql_database](#) or [rename_mysql_user](#) functions, or when you call certain UAPI functions via WHM API.

Example

The `accountsummary` function's output is typical of WHM API 1 output:

```

{
  "data": {
    "acct": [
      {
        "maxaddons": "unlimited",
        "ip": "10.215.214.95",
        "min_defer_fail_to_trigger_protection": "5",
        "legacy_backup": 0,
        "diskused": "14M",
        "maxftp": "unlimited",
        "startdate": "13 May 22 16:03",
        "max_defer_fail_percentage": "unlimited",
        "disklimit": "unlimited",
        "is_locked": 0,
        "suspendtime": null,
        "email": "user@example.com",
        "domain": "example.com",
        "unix_startdate": 1369256589,
        "user": "user",
        "plan": "extensions_user_user",
        "shell": "/bin/bash",
        "maxpop": "unlimited",
        "backup": 0,
        "theme": "paper_lantern",
        "owner": "root",
        "max_email_per_hour": "unlimited",
        "ipv6": [
        ],
        "suspendreason": "not suspended",
        "maxlst": "unlimited",
        "suspended": 0,
        "maxsql": "unlimited",
        "maxparked": "unlimited",
        "partition": "home",
        "maxsub": "unlimited"
      }
    ]
  },
  "metadata": {
    "version": 1,
    "reason": "OK",
    "result": 1,
    "command": "accountsummary"
  }
}

```

• Some functions and parameters may require that you authenticate.

[convert_addon_initiate_conversion](#)

[convert_addon_list_addon_domains](#)

[convert_addon_list_conversions](#)

[api_token_create](#)

[api_token_list](#)

[api_token_revoke](#)

[api_token_update](#)

[disable_authentication_provider](#)

[disable_failing_authentication_providers](#)

[enable_authentication_provider](#)

[get_available_authentication_providers](#)

[get_login_url](#)

[get_provider_client_configurations](#)

[get_provider_configuration_fields](#)

[get_provider_display_configurations](#)

[get_users_authn_linked_accounts](#)

[link_user_authn_provider](#)

[set_provider_client_configurations](#)

[set_provider_display_configurations](#)

[twofactorauth_disable_policy](#)

[twofactorauth_enable_policy](#)

[twofactorauth_generate_tfa_config](#)

• [Yosemite the appropriate WHM ports \(2086 or 2087\) to call WHMAPI functions.](#)

Related Documentation

twofactorauth
_get_issuer

twofactorauth
_get_user_co
nfigs

twofactorauth
_policy_status

twofactorauth
_remove_use
r_config

twofactorauth
_set_issuer

twofactorauth
_set_tfa_conf
ig

unlink_user_
authn_provid
er

validate_logi
n_token

backup_conf
g_get

backup_conf
g_set

backup_date
_list

backup_desti
nation_add

backup_desti
nation_delete

backup_desti
nation_get

backup_desti
nation_list

backup_desti
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backup_skip
_users_all

backup_skip
_users_all_st
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backup_user
_list

- [WHM API 1 Functions - list_configcluster servers](#) — This function lists the servers in the server's configuration cluster.
- [WHM API 1 Functions - update_configcluster server](#) — This function updates the username or remote access key for a cluster server.
- [WHM API 1 Functions - delete_configcluster server](#) — This function removes a server from a configuration cluster.
- [WHM API 1 Functions - add_configcluster server](#) — This function adds a server to a configuration cluster.
- [WHM API 1 Functions - abort_transfer_session](#) — This function aborts an active transfer session.

convert_and_migrate_from_legacy_config

get_users_with_backup_metadata

list_cparchive_files

start_background_pkgacct

toggle_user_backup_state

cphulk_status

create_cphulk_record

delete_cphulk_record

disable_cphulk

enable_cphulk

flush_cphulk_login_history

flush_cphulk_login_history_for_ips

get_countries_with_known_ip_ranges

get_cphulk_brutes

get_cphulk_excessive_brutes

get_cphulk_failed_logins

get_cphulk_user_brutes

load_cphulk_config

read_cphulk_records

save_cphulk_config

set_cphulk_config_key

background_mysql_upgrade_status

current_mysql_version

installable_mysql_versions

latest_available_mysql_version

list_database
_users

list_databases

list_mysql_da
tabases_and
_users

remote_mysq
l_create_profi
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remote_mysq
l_create_profi
le_via_ssh

remote_mysq
l_delete_profi
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remote_mysq
l_initiate_prof
ile_activation

remote_mysq
l_monitor_pr
ofile_activation

remote_mysq
l_read_profile

remote_mysq
l_read_profiles

remote_mysq
l_update_pro
file

remote_mysq
l_validate_pr
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rename_mys
ql_database

rename_mys
ql_user

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rename_post
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set_local_my
sql_root_pas
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set_mysql_p
assword

set_postgres
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adddns

addzonereco
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addzonereco
rd (Reverse
DNS)

dumpzone
editzonerecord
get_nameserver_config
getzonerecord
has_local_authority
killdns
listmxs
listzones
lookupnsip
lookupnsips
removezonerecord
resetzone
resolvedomainname
savemxs
setresolvers
update_nameservers_config
ea4_get_currently_installed_packages
ea4_get_ea_pkgs_state
ea4_list_profiles
ea4_metainfo
ea4_migration
ea4_pre_migrate_check
ea4_recommendations
ea4_save_profile
ea4_tomcat85_add
ea4_tomcat85_list
ea4_tomcat85_remove
cpgreylist_is_server_netblock_trusted
cpgreylist_list_entries_for_common_mail_provider

cpgreylist_lo
ad_common_
mail_provider
s_config

cpgreylist_sa
ve_common_
mail_provider
s_config

cpgreylist_st
atus

cpgreylist_tru
st_entries_for
_common_m
ail_provider

cpgreylist_un
trust_entries_
for_common_
_mail_provid
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create_cpgr
eylist_trusted_
host

delete_cpgr
eylist_trusted_
host

disable_cpgr
eylist

enable_cpgr
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read_cpgreyli
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entries

read_cpgreyli
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save_cpgreyli
st_config

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cpanel

create_integr
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ation_link

get_integratio
n_link_user_
config

list_integratio
n_groups

list_integratio
n_links

remove_integ
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remove_integ
ration_link

update_integ
ration_link_to
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addips

delip

get_public_ip

get_shared_ip

ipv6_disable
_account

ipv6_enable_
account

ipv6_range_a
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ipv6_range_e
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ipv6_range_u
sage

listips

nat_checkip

nat_set_publi
c_ip

setsiteip

disable_dkim

disable_mail
_sni

emailtrack_s
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emailtrack_u
ser_stats

enable_dkim

enable_mail_
sni

ensure_dkim
_keys_exist

exim_configu
ration_check

expunge_mai
lbox_messag
es

expunge_me
ssages_for_
mailbox_guid

fetch_dkim_p
rivate_keys

fetch_mail_q
ueue

generate_mailbox_config

get_mailbox_status

get_mailbox_status_list

get_unique_recipient_count_per_sender_for_user

get_unique_sender_recipient_count_per_user

get_user_email_forward_destination

hold_outgoing_email

install_dkim_private_keys

install_spf_records

is_sni_supported

list_pops_for

mail_sni_status

rebuild_mail_sni_config

release_outgoing_email

save_spamd_config

set_user_email_forward_destination

suspend_outgoing_email

unsuspend_outgoing_email

validate_current_installed_exim_config

validate_current_dkims

validate_current_ptrs

validate_current_spfs

validate_exim_configuration_syntax

disable_marketing_provider

enable_mark
et_provider

get_adjusted
_market_pro
viders_produ
cts

get_market_
providers_co
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get_market_
providers_list

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providers_pr
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ata

get_market_
providers_pr
oducts

set_market_p
roduct_attri
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set_market_p
rovider_com
mission_id

modsec_add
_rule

modsec_add
_vendor

modsec_ass
emble_config
_text

modsec_batc
h_settings

modsec_che
ck_rule

modsec_clon
e_rule

modsec_depl
oy_all_rule_c
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modsec_depl
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modsec_depl
oy_settings_
changes

modsec_disa
ble_rule

modsec_disa
ble_vendor

modsec_disa
ble_vendor_c
onfigs

modsec_disa
ble_vendor_u
pdates

modsec_discard_all_rule_changes

modsec_discard_rule_changes

modsec_edit_rule

modsec_enable_vendor

modsec_enable_vendor_configs

modsec_enable_vendor_updates

modsec_get_config_text

modsec_get_configs

modsec_get_configs_with_changes_pending

modsec_get_log

modsec_get_rules

modsec_get_settings

modsec_get_vendors

modsec_is_installed

modsec_make_config_active

modsec_make_config_inactive

modsec_preview_vendor

modsec_remove_rule

modsec_remove_setting

modsec_remove_vendor

modsec_report_rule

modsec_set_config_text

modsec_set_setting

modsec_undisable_rule

modsec_upd
ate_vendor

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add_override
_features_for
_user

addpkg

addpkgext

changepacka
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create_featur
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delpkgext

editpkg

get_available
_applications

get_available
_featurelists

get_feature_
metadata

get_feature_
names

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get_users_fe
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getfeaturelist

getpkginfo

killpkg

listpkgs

manage_feat
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matchpkgs

read_featurel
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remove_over
ride_features
_for_user

update_featu
relist

verify_user_h
as_feature

convert_all_d
omains_to_fpm

get_fpm_count_and_utilization

is_conversion_in_progress

php_get_defaults_to_fpm

php_get_handlers

php_get_impacted_domains

php_get_installed_versions

php_get_old_fpm_flag

php_get_system_default_version

php_get_vhosts_by_version

php_get_vhost_versions

php_ini_get_content

php_ini_get_directives

php_ini_set_content

php_ini_set_directives

php_set_defaults_to_fpm

php_set_handler

php_set_old_fpm_flag

php_set_session_save_path

php_set_system_default_version

php_set_vhost_versions

acctcounts

get_public_contact

getresellerips

listaccls

listresellers

resellerstats
saveacllist
set_public_contact
setacis
setresellerips
setresellerlimits
setresellermainip
setresellernameservers
setresellerpackagelimit
setupreseller
suspendresellers
terminatereseller
unsetupreseller
unsuspendreseller
delete_rpm_version
edit_rpm_version
get_rpm_version_data
install_rpm_plugin
list_rpms
package_manager_fixcache
package_manager_get_build_log
package_manager_get_package_info
package_manager_is_performing_actions
package_manager_list_packages
package_manager_resolve_actions
package_manager_submit_actions

package_m
anager_upgra
de

uninstall_rpm
_plugin

delete_hook

edit_hook

list_hooks

reorder_hooks

accessshash

authorizessh
key

check_remot
e_ssh_conne
ction

convertopens
shtoputty

deletesshkey

fetch_securit
y_advice

generatesshk
eypair

importsshkey

listsshkeys

add_configcl
usterserver

configurebac
kgroundproc
esskiller

configureserv
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cors_proxy_g
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create_user_
session

delete_config
clusterserver

enable_monit
or_all_enable
d_services

get_all_conta
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get_appconfi
g_application
_list

get_applicati
on_contact_e
vent_importa
nce

get_applicati
on_contact_i
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get_available_profiles
get_current_profile
get_password_strength
get_remote_access_hash
get_service_config
get_service_config_key
get_tcp4_sockets
get_tcp6_sockets
get_tweaksetting
get_udp4_sockets
get_udp6_sockets
get_update_availability
get_users_links
getdiskusage
gethostname
is_role_enabled
list_configclusterservers
loadavg
nvget
nvset
personalization_get
personalization_set
purchase_app_license
reboot
remove_in_progress_exim_config_edit
restartservice
restore_config_from_file
restore_config_from_upload

run_cpkeyctl
send_test_posturl
send_test_pushbullet_note
servicestatus
set_application_contact_event_importance
set_application_contact_importance
set_primary_servername
set_service_config_key
set_tweaksetting
sethostname
setminimumpasswordstrengths
start_profile_activation
system_needs_reboot
systemloadavg
update_config_clusterserver
update_contact_email
verify_aim_access
verify_icq_access
verify_oscar_access
verify_posturl_access
verify_pushbullet_access
disable_auto_ssl
fetch_service_ssl_components
fetch_ssl_certificates_forfqdns
fetch_ssl_vhosts

fetch_vhost_
ssl_compone
nts

fetchcrtinfo

fetchsslinfo

generatessl

get_autossl_
check_sched
ule

get_autossl_
log

get_autossl_
logs_catalog

get_autossl_
metadata

get_autossl_
pending_que
ue

get_autossl_
pending_que
ue_for_doma
in

get_autossl_
pending_que
ue_for_user

get_autossl_
problems_for
_domain

get_autossl_
problems_for
_user

get_autossl_
providers

get_best_ssl
domain_for_s
ervice

install_servic
e_ssl_certific
ate

installssl

listcrts

rebuildinstall
edssldb

rebuilduserss
ldb

reset_autossl_
_provider

reset_service_
_ssl_certificate

set_autossl_
metadata

set_autossl_
metadata_key

set_autossl_
provider

start_autosl
_check_for_a
ll_users

start_autosl
_check_for_o
ne_user

generate_cp
anel_plugin

list_styles

load_style

remove_logo

remove_style

save_style

set_default

ticket_create
_stub_ticket

ticket_get_su
pport_agree
ment

ticket_get_su
pport_info

ticket_grant

ticket_list

ticket_remov
e_closed

ticket_revoke

ticket_ssh_te
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ticket_ssh_te
st_start

ticket_update
_service_agr
eement_appr
oval

ticket_validat
e_oauth2_co
de

ticket_whiteli
st_check

ticket_whiteli
st_setup

ticket_whiteli
st_unsetup

abort_transfe
r_session

analyze_tran
sfer_session
_remote

available_tra
nsfer_modules

create_remot
e_root_transf
er_session

create_remo
te_user_trans
fer_session

delete_accou
nt_archives

enqueue_tra
nsfer_item

fetch_transfe
r_session_log

get_transfer_
session_state

pause_transf
er_session

remote_basic
_credential_c
heck

retrieve_tran
sfer_session
_remote_ana
lysis

start_transfer
_session

transfer_mod
ule_schema

validate_syst
em_user

accept_eula

get_available
_tiers

get_current_l
ts_expiration
_status

get_lts_wexpi
re

getlongterms
upport

installed_ver
sions

set_cpanel_u
pdates

set_tier

update_upda
teconf

version