

WHM API 1 Functions - get_public_ip

Guide to WHM API 1

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Description

This function returns the public IP address for a specified public or private IP address. You can use this function to determine the system's main public IP address, especially for [systems that use a 1:1 NAT configuration](#).

- cPanel & WHM uses the main public IP address to perform many different functions. For example, the system uses this IP address to verify the server's license status with cPanel, L.L.C.
- System administrators can configure the main public IP address in WHM's [Basic WebHost Manager Setup](#) interface (*Home >> Server Configuration >> Basic WebHost Manager Setup*).

Function information

API Version: WHM API 1
Available in: WHM 62+
Methods: GET, POST
Required Parameters: ip
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:

[applist](#)
[createacct](#)
[domainuserdata](#)
[editquota](#)
[forcepasswordchange](#)
[get_current_users_count](#)
[get_disk_usage](#)
[get_domain_info](#)
[getdomainowner](#)
[get_maximum_users](#)
[getminimumpasswordstrengths](#)
[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](#)

Examples

```
https://hostname.example.com:2087/cpsess#####/json-api/get_public_ip?api.version=1&ip=1.2.3.4
```

```
https://hostname.example.com:2087/cpsess#####/xml-api/get_public_ip?api.version=1&ip=1.2.3.4
```

```
whmapil get_public_ip ip=1.2.3.4
```

Notes:

- Unless otherwise noted, you **must** [URI-encode](#) values.
- For more information and additional output options, read our [Guide to WHM API 1](#) documentation or run the `whmapil --help` command.
- If you run CloudLinux™, you **must** use the full path of the `whmapil` command:

```
/usr/local/cpanel/bin/whmapil
```

```
{
  "data": {
    "public_ip": "1.2.3.4"
  },
  "metadata": {
    "command": "get_public_ip",
    "reason": "OK",
    "result": 1,
    "version": 1
  }
}
```

```
<result>
  <data>
    <public_ip>1.2.3.4</public_ip>
  </data>
  <metadata>
    <version>1</version>
    <reason>OK</reason>
    <result>1</result>
    <command>get_public_ip</command>
  </metadata>
</result>
```

Note:

Use WHM's [API Shell](#) interface (*WHM >> Home >> Development >> API Shell*) to directly test WHM API calls.

• Some functions and parameters may require that you authenticate as the root user.

[convert_addon_fetch_domain_details](#)

[convert_addon_get_conversion_status](#)

[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](#)

Parameters

Parameter	Type	Description	Possible values	Example
ip	<i>string</i>	Required The IP address to query.	<ul style="list-style-type: none">A valid public IPv4 address, to return that IP address.A valid private IPv4 address, to return the associated public IP address (for example, for 1:1 NAT systems).	1.2.3.4

Return

Return	Type	Description	Possible values	Example
public_ip	<i>string</i>	The public IP address.	A valid public IPv4 address.	1.2.3.4

• You must use the appropriate WHM ports (2086 or 2087) to call WHM API functions.

Find a function

Related functions

twofactorauth
_enable_policy

twofactorauth
_generate_tfa_config

twofactorauth
_get_issuer

twofactorauth
_get_user_configs

twofactorauth
_policy_status

twofactorauth
_remove_user_config

twofactorauth
_set_issuer

twofactorauth
_set_tfa_config

unlink_user_authn_provider

validate_login_token

backup_config_get

backup_config_set

backup_date_list

backup_destination_add

backup_destination_delete

backup_destination_get

backup_destination_list

backup_destination_set

backup_destination_validate

backup_get_transport_status

backup_list_transported

backup_set_list

backup_set_list_combined

backup_skip_users_all

- [WHM API 1 Functions - ipv6_range_add](#) — This function adds a range of IPv6 addresses to the server.
- [WHM API 1 Functions - ipv6_range_edit](#) — This function changes an IPv6 address range's name and note.
- [WHM API 1 Functions - ipv6_range_remove](#) — This function removes an IPv6 address range from the server.
- [WHM API 1 Functions - ipv6_enable_account](#) — This function assigns an IPv6 address to one or more accounts.
- [WHM API 1 Functions - ipv6_disable_account](#) — This function removes the IPv6 address from an account.

backup_skip
_users_all_st
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backup_user
_list

convert_and_
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_legacy_conf
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get_users_wi
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list_cparchive
_files

start_backgro
und_pkgacct

toggle_user_
backup_state

participate_in
_analytics

cphulk_status

create_cphul
k_record

delete_cphul
k_record

disable_cphu
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enable_cphulk

flush_cphulk
_login_history

flush_cphulk
_login_histor
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_with_known
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_read_profiles

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_update_pro
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killdns

listmxs

listzones

lookupnsip

lookupnsips

removezoner
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resetzone

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savemxs

setresolvers

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ea4_list_profi
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ea4_metainfo

ea4_migration

ea4_pre_mig
rate_check

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ea4_tomcat8
5_list

ea4_tomcat8
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cpgreylist_lo
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ve_common_
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addips

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get_public_ip

get_shared_ip

ipv6_disable_
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nat_checkip

nat_set_publi
c_ip

setsiteip

disable_dkim

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_sni

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emailtrack_u
ser_stats

enable_dkim

enable_mail_
sni

ensure_dkim_
_keys_exist

exim_configuration_check

expunge_mailbox_messages

expunge_messages_for_mailbox_guid

fetch_dkim_private_keys

fetch_mail_queue

generate_mobileconfig

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_curr
ent_dkims

validate_curr
ent_ptr

validate_curr
ent_spfs

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disable_mark
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modsec_disable_vendor

modsec_disable_vendor_configs

modsec_disable_vendor_updates

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_update_vendor

_getpkgextensionform

add_override_features_for_user

addpkg

addpkgext

changepackage

create_featurelist

delete_featurelist

delpkgext

editpkg

get_available_applications

get_available_featurelists

get_feature_metadata

get_feature_names

get_featurelist_data

get_featurelists

get_users_features_settings

getfeaturelist

getpkginfo

killpkg

listpkgs

manage_features

matchpkgs

read_featurelist

remove_override_features_for_user

update_feature_relist

verify_user_has_feature

convert_all_domains_to_fpm

get_fpm_count_and_utilization

is_conversion_in_progress

php_get_defaults_to_fpm

php_get_handlers

php_get_affected_domains

php_get_installed_versions

php_get_old_fpm_flag

php_get_system_default_version

php_get_hosts_by_version

php_get_host_versions

php_ini_get_content

php_ini_get_directives

php_ini_set_content

php_ini_set_directives

php_fpm_config_get

php_fpm_config_set

php_set_defaults_to_fpm

php_set_handler

php_set_old_fpm_flag

php_set_session_save_path

php_set_sys
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acctcounts

get_public_c
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uninstall_rpm
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delete_hook

edit_hook

list_hooks

reorder_hooks

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add_configcl
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create_user_
session

delete_config
clusterserver

enable_monit
or_all_enable
d_services

get_all_contact_importances

get_application_list

get_application_contact_event_importance

get_application_contact_importance

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_a_l
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reboot

remove_in_p
rogress_exim
_config_edit

restartservice

restore_conf
g_from_file

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run_cpkeyclt

send_test_po
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update_conf
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verify_oscar_
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verify_posturl
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delete_ssl_v
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disable_auto
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fetchcrtinfo

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generatessl

get_autossl_
check_sched
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get_autossl_
log

get_autossl_
ogs_catalog

get_autossl_
metadata

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problems_for
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providers

get_best_ssl
domain_for_s
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install_servic
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installssl

listcrts

rebuildinstall
edssldb

rebuilduserss
ldb

reset_autossl
_provider

reset_service
_ssl_certificate

set_autossl_
metadata

set_autossl_
metadata_key

set_autossl_
provider

start_autossl
_check_for_a
ll_users

start_autossl
_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
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ticket_get_su
pport_info

ticket_grant

ticket_list

ticket_remov
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ticket_revoke

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ticket_update
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enqueue_tra
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fetch_transfe
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pause_transf
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remote_basic
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retrieve_tran
sfer_session
_remote_ana
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start_transfer
_session

transfer_mod
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validate_syst
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accept_eula

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get_current_l
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set_cpanel_u
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set_tier

update_upda
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version