

WHM API 1 Functions - background_mysql_upgrade_status

Guide to WHM API 1

- Return Data
- Filter Output
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- Call cPanel API 2 and UAPI

- Account Restoration
- restore_modules_summary
- restore_queue_activate
- restore_queue_add_task
- restore_queue_clear_all_completed_tasks
- restore_queue_clear_all_failed_tasks
- restore_queue_clear_all_pending_tasks
- restore_queue_clear_all_tasks
- restore_queue_clear_completed_task
- restore_queue_clear_pending_task
- restore_queue_is_active
- restore_queue_list_active
- restore_queue_list_completed
- restore_queue

Description

This function retrieves the status of a background MySQL® or MariaDB® upgrade.

Important:

In cPanel & WHM version 76 and later, when you disable the MySQL role, the system **disables** this function. For more information, read our [How to Use Server Profiles](#) documentation.

Examples

JSON API

```
https://hostname.example.com:2087/cpsess#####/json-api/background_mysql_upgrade_status?api.version=1&upgrade_id=mysql_upgrade.20141108-172923
```

XML API

```
https://hostname.example.com:2087/cpsess#####/xml-api/background_mysql_upgrade_status?api.version=1&upgrade_id=mysql_upgrade.20141108-172923
```

Function information

About WHM API 1

WHM API 1 performs functions and accesses data in WHM.

Notes:

- Scro
- Ycmtus20 or20)tc

ue_list_pending
restore_queue_state
restoreaccount
verify_new_username_for_restore

Accounts

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

Command Line

```
whmapil  
background_mysql_upgrade_status  
upgrade_id=mysql_upgrade.20141108-172923
```

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
```

Output (JSON)

```
{  
  "data": {  
    "error": 0,  
    "log": "Starting process with log file at /var/cpanel/logs/mysql_upgrade.20141108-172923/unattended_background_upgrade.log\nBeginning\n\n\"MariaDB 10.0\" upgrade...\nObtained version information from system.\nEnsuring the \"MariaDB100\" repository is available and working.\n\nchecking yum version 22.3\nEnsuring that the package \"MariaDB-client\" with version matching
```

Find a function

- WHM API 1 Functions - rename_mysql_user — This function changes a MySQL® database user's name.

_id
 verify_new_username
 ▾ Addon Domains
 convert_addon_fetch_conversion_details
 convert_addon_fetch_domain_details
 convert_addon_get_conversion_status
 convert_addon_initiate_conversion
 convert_addon_list_addon_domains
 convert_addon_list_conversions
 ▾ Authentication
 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_co

```

"10.0" is available.\nEnsuring that the package "MariaDB-common" with version matching "10.0" is available.\nEnsuring that the package "MariaDB-devel" with version matching "10.0" is available.\nEnsuring that the package "MariaDB-server" with version matching "10.0" is available.\nEnsuring that the package "MariaDB-shared" with version matching "10.0" is available.\nEnsuring that the package "coreutils" is available.\nEnsuring that the package "grep" is available.\nEnsuring that the package "perl-DBI" is available.\n your MariaDB server version for the right syntax to use near '.`netcopya0I5KfqYTfH qJr` FOR UPGRADE' at line 1 when executing 'CHECK TABLE ... FOR UPGRADE'\nFATAL ERROR: Upgrade failed\nDone building configuration.\nHooks system enabled.\nChecking for and running RPM::Versions 'post' hooks for any RPMs about to be installed\nAll required 'post' hooks
  
```

- WHM API 1 Functions - set_mysql_password — This function changes a MySQL® database user's password.
- WHM API 1 Functions - install_mysql_versions — This function lists all available versions of MySQL® and MariaDB.

```

nfigurations
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
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

```

▼ Backups

```

backup_config_get
backup_config_set
backup_data_list
backup_destination_add
backup_destination_delete

```

```

have been
run\nRunning:
/usr/local/cpanel/scripts/check_cpanel_rpms
--targets=MySQL41,MySQL50,MySQL51,MySQL55,MySQL56,MariaDB100,MariaDB101
--fix\nRestarting
mysql
service.\nWaiting for
"mysql" to restart
.....
.....waiting for "mysql" to
initialize
.....finished.\n\n
u001b[1;32mMariaDB
upgrade completed
successfully\nu001b[0m\n
\n-----\nCh
ecking
for Ruby
update...\nNo Ruby
update
required.\n-----
-----\n",
    "state": "success"
  },
  "metadata": {
    "version": 1,
    "reason": "OK",
    "result": "1",
    "command":
"background_mysql_upg

```

- WHM API 1 Functions - current_mysql_version — This function retrieves the server's version of MySQL® or MariaDB®.

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
backup_skip_users_all_status
backup_user_list
convert_and_migrate_from_legacy_config
get_users_with_backup_metadata
list_cparchive_files
start_background_package
toggle_user_backup_status
cPHulk
cphulk_status
create_cphulk_record
delete_cphulk_record
disable_cphulk
enable_cphulk
flush_cphulk_login_history

```
rade_status"  
}  
}
```

Output (XML)

```
<result>  
  <data>  
  
  <error>0</error>  
    <log>Starting  
      process with log  
      file at  
      /var/cpanel/logs/mysql_upgrade.20141108-172923/unattended_background_upgrade.log\nBeginning  
  "MariaDB 10.0"  
  upgrade...\nObtained  
  version information  
  from  
  system.\nEnsuring the  
  "MariaDB100"  
  repository is  
  available and  
  working.\nchecking  
  version  
  22.3\nEnsuring that  
  the package  
  "MariaDB-client" with  
  version matching  
  "10.0" is  
  available.\nEnsuring  
  that the package  
  "MariaDB-common" with  
  version matching  
  "10.0" is  
  available.\nEnsuring  
  that the package  
  "MariaDB-devel" with  
  version  
  matching "10.0" is  
  available.\nEnsuring  
  that the package  
  "MariaDB-server" with  
  version matching  
  "10.0" is  
  available.\nEnsuring  
  that the package  
  "MariaDB-shared" with
```

flush_cphulk
_login_histo
ry_for_ips

get_countrie
s_with_kno
wn_ip_rang
es

get_cphulk_
brutes

get_cphulk_
excessive_b
rutes

get_cphulk_
failed_logins

get_cphulk_
user_brutes

load_cphulk
_config

read_cphulk
_records

save_cphulk
_config

set_cphulk_
config_key

▼ Databases

background
_mysql_upg
rade_status

current_mys
ql_version

installable_
mysql_versi
ons

latest_availa
ble_mysql_v
ersion

list_databas
e_users

list_databas
es

list_mysql_d
atabases_a
nd_users

remote_mys
ql_create_pr
ofile

remote_mys
ql_create_pr
ofile_via_ss
h

remote_mys
ql_delete_pr
ofile

remote_mys
ql_initiate_p
rofile_activat

```
version matching
"10.0" is
available.\nEnsuring
that the package
"coreutils" is
available.\nEnsuring
that the package
"grep" is
available.\nEnsuring
that the package
"perl-DBI" is
available.\n your
MariaDB server
version
for the right syntax
to use near
'.`netcopya0I5KfqYTfH
qJr`  FOR UPGRADE'
  at line 1 when
executing 'CHECK
TABLE ... FOR
UPGRADE'\nFATAL
ERROR:
Upgrade failed\nDone
building
configuration.\nHooks
system
enabled.\nChecking
for and running
RPM::Versions 'post'
hooks for any
RPMs about to be
installed\nAll
required 'post' hooks
have been
run\nRunning:
/usr/local/cpanel/scr
ipts/check_cpanel_rpm
s
--targets=MySQL41,MyS
QL50,MySQL51,MySQL55,
MySQL56,MariaDB100,Ma
riaDB101
--fix\nRestarting
mysql
service.\nWaiting for
"mysql" to restart
.....
.....
.....wai
ting for "mysql" to
initialize
.....finished.\n\
```

ion
remote_mysql_monitor_profile_activation
remote_mysql_read_profile
remote_mysql_read_profiles
remote_mysql_update_profile
remote_mysql_validate_profile
rename_mysql_database
rename_mysql_user
rename_postgresql_database
rename_postgresql_user
set_local_mysql_root_password
set_mysql_password
set_postgresql_password
start_background_mysql_upgrade

▼ DNS

addns
addzonerecord
addzonerecord (Reverse DNS)
dumpzone
editzonerecord
get_nameserver_config
getzonerecord
has_local_authority

```
u001b[1;32mMariaDB
upgrade completed
successfully\u001b[0m
\n-----
-----\nCh
ecking
for Ruby
update...\nNo Ruby
update
required.\n-----
-----
-----\n</log>

<state>success</state
>
  </data>
  <metadata>

<version>1</version>

<reason>OK</reason>

<result>1</result>

<command>background_m
ysql_upgrade_status</
```

killdns
 listmxs
 listzones
 lookupnsip
 lookupnsips
 removezone
 record
 resetzone
 resolvedom
 ainname
 savemxs
 setresolvers
 update_name
 eservers_configuration

```
command>
  </metadata>
</result>
```

Note:
 Use WHM's *API Shell* interface (*WHM >> Home >> Development >> API Shell*) to directly test WHM API calls.

▼ EasyApache

ea4_get_currently_installed_packages
 ea4_get_ea_pkgs_state
 ea4_list_profiles
 ea4_metadata
 ea4_migration
 ea4_pre_migrate_check
 ea4_recommendations
 ea4_save_profile
 ea4_tomcat85_add
 ea4_tomcat85_list
 ea4_tomcat85_remove

Parameters

Return	Type	Description	Possible values	Example
upgrade_id	string	<p>Required</p> <p>The logfile's name.</p> <div style="border: 1px solid yellow; padding: 5px; margin-top: 10px;"> <p>Note: Log files exist in the /var/cpanel/logs/directory.</p> </div>	A valid filename.	mysql_upgrade.20141108-172923

Returns

Return	Type	Description	Possible values	Example
--------	------	-------------	-----------------	---------

▼ Greylisting

cpgreylist_server_network_block_trusted
 cpgreylist_list_entries_for_common_mail_provider
 cpgreylist_load_common_mail_provider

<p>ers_config</p> <p>cpgreylist_s ave_commo n_mail_provi ders_config</p> <p>cpgreylist_st atus</p> <p>cpgreylist_tr ust_entries_ for_common _mail_provid er</p> <p>cpgreylist_u ntrust_entrie s_for_comm on_mail_pro vider</p>	<p>error</p>	<p>integer</p>	<p>An error code.</p>	<ul style="list-style-type: none"> • 0 — Successful upgrade. • -1 — Child process died from a signal. • 4 — MySQL upgrade failed error code. • 5 — Ruby upgrade failed error code. • 8 — EasyApache upgrade failed error code. 	<p>0</p>
<p>create_cpgr eylist_truste d_host</p> <p>delete_cpgr eylist_truste d_host</p> <p>disable_cpgr eylist</p> <p>enable_cpgr eylist</p> <p>load_cpgreyl ist_config</p> <p>read_cpgrey list_deferred _entries</p> <p>read_cpgrey list_trusted_ host</p> <p>save_cpgrey list_config</p> <p>▼ Integration</p> <p>batch</p> <p>cpanel</p> <p>create_integ ration_group</p> <p>create_integ ration_link</p> <p>get_integrati on_link_user _config</p> <p>list_integrati on_groups</p> <p>list_integrati on_links</p> <p>remove_inte gration_grou p</p> <p>remove_inte</p>	<p>log</p>	<p>string</p>	<p>The upgrade's log file.</p>	<p>A valid log file.</p>	<p>▼ Click to view...</p> <pre>Starting process with log file at /var/cpanel/logs/mysql_upgrade.20141108-172923/unattended_background_upgrade.log\nBeginning\n\n"MariaDB 10.0" upgrade...\nObtained version information from system.\nEnsuring the "MariaDB10.0" repository is available and working.\ncheckyum version 22.3\nEnsuring that the package "MariaDB-client" with version matching "10.0" is available.\nEnsuring that the package "MariaDB-common" with version matching "10.0" is available.\nEnsuring that the package "MariaDB-devel" with version matching "10.0" is available.\nEnsuring that the package</pre>

gration_link
 update_inte
 gration_link
 _token

▼ IP Addresses

addips
 delip
 get_public_i
 p
 get_shared_
 ip
 ipv6_disable
 _account
 ipv6_enable
 _account
 ipv6_range_
 add
 ipv6_range_
 edit
 ipv6_range_
 list
 ipv6_range_
 remove
 ipv6_range_
 usage
 listips
 nat_checkip
 nat_set_pub
 lic_ip
 setsiteip

▼ Mail

disable_dki
 m
 disable_mail
 _sni
 emailtrack_s
 earch
 emailtrack_s
 tats
 emailtrack_u
 ser_stats
 enable_dkim
 enable_mail
 _sni
 ensure_dki
 m_keys_exi
 st
 exim_config
 uration_che
 ck
 expunge_m

```

"MariaDB-s
erver"
with
version
matching
"10.0" is
available.
\nEnsuring

that the
package
"MariaDB-s
hared"
with
version
matching
"10.0" is
available.
\nEnsuring
that the
package
"coreutils
" is
available.
\nEnsuring
that the
package
"grep" is
available.
\nEnsuring

that the
package
"perl-DBI"
is
available.
\n your
MariaDB
server
version
for the
right
syntax to
use near
'.`netcopy
a0I5KfqYTF
HqJr` FOR
UPGRADE'
  at line 1
when
executing
'CHECK
TABLE ...
FOR
UPGRADE'\n
FATAL
ERROR:
Upgrade
failed\nDo
ne
building
configurat
ion.\nHook
s system
enabled.\n
Checking
for and
running
RPM::Versi
ons 'post'
hooks for
any
RPMs about
to be
installed\
nAll
required
'post'
hooks have
been
run\nRunni
ng:
/usr/local
/cpanel/sc
ripts/che
ck_cpanel_r
pms
--targets=
MySQL41,My
SQL50,MySQL

```

ailbox_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

```
L51,MySQL55,MySQL56,
MariaDB100,MariaDB101
--fix\nRestarting
mysqlservice.\n
Waitingfor
"mysql" to
restart
.....
waiting
for
"mysql" to
initialize

.....finishe
d.\n\u001b[1;32mMari
aDB
upgrade
completed
successfully\u001b[0
m\n-----
-----\
\nChecking
for Ruby
update...\n
No Ruby
update
required.\n
n-----
```

validate_current_instal
led_exim_conf
ig

validate_curren
t_dkims

validate_curren
t_ptrs

validate_curren
t_spfs

validate_exim
configuration_
syntax

				----- ----- -----\n
state	<i>string</i>	The upgrade's state.	<ul style="list-style-type: none">• success• failed• in progress	success

▼ Market

disable_mar
ket_provider

enable_mar
ket_provider

get_adjuste
d_market_pr
oviders_pro
ducts

get_market_
providers_c
ommission_
config

get_market_
providers_
list

get_market_
providers_
product_
meta
data

get_market_
providers_
products

set_market_
product_
attribute

set_market_
provider_
commission_
id

▼ ModSecurity™

modsec_ad
d_rule

modsec_ad
d_vendor

modsec_ass
emble_
config_
text

modsec_bat
ch_
settings

modsec_che
ck_rule

modsec_clo
ne_rule

modsec_de
ploy_all_rule
_changes

modsec_de
ploy_rule_ch
anges

modsec_de
ploy_setting
s_changes

modsec_dis
able_rule

modsec_dis
able_vendor

modsec_dis
able_vendor
_configs

modsec_dis
able_vendor
_updates

modsec_dis
card_all_rul
e_changes

modsec_dis
card_rule_c
hanges

modsec_edit
_rule

modsec_en
able_vendor

modsec_en
able_vendor
_configs

modsec_en
able_vendor
_updates

modsec_get
_config_text

modsec_get
_configs

modsec_get
_configs_wit
h_changes_
pending

modsec_get
_log

modsec_get
_rules

modsec_get
_settings

modsec_get
_vendors

modsec_is_i
nstalled

modsec_ma
ke_config_a
ctive

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_disable_rule

modsec_update_vendor

▼ Packages

_getpkgextensionform

add_override_features_for_user

addpkg

addpkgext

changepackage

create_feature_relist

delete_feature_relist

delpkgext

editpkg

get_available_applications

get_available_featurelists

get_feature_metadata

get_feature_names

get_featurelist_data

get_featureli

sts

get_users_f
eatures_sett
ings

getfeaturelis
t

getpkginfo

killpkg

listpkgs

manage_fea
tures

matchpkgs

read_feature
list

remove_ove
rride_featu
res_for_user

update_feat
urelist

verify_user_
has_feature

▼ PHP

convert_all_
domains_to
_fpm

get_fpm_co
unt_and_util
ization

is_conversio
n_in_progre
ss

php_get_def
ault_accoun
ts_to_fpm

php_get_ha
ndlers

php_get_im
pacted_dom
ains

php_get_ins
talled_versio
ns

php_get_old
_fpm_flag

php_get_sys
tem_default
_version

php_get_vh
osts_by_ver
sion

php_get_vh
ost_versions

php_ini_get
_content

php_ini_get
_directives

php_ini_set
_content

php_ini_set
_directives

php_set_def
ault_accoun
ts_to_fpm

php_set_ha
ndler

php_set_old
_fpm_flag

php_set_ses
sion_save_p
ath

php_set_sys
tem_default
_version

php_set_vh
ost_versions

▼ Resellers

acccounts

get_public_c
ontact

getresellerip
s

listacIs

listresellers

resellerstats

saveacllist

set_public_c
ontact

setacIs

setresellerip
s

setresellerli
mits

setresellerm
ainip

setresellern
ameservers

setresellerp
ackagelimit

setupreselle
r

suspendres
eller

terminateres
eller

unsetuprese

ller

unsuspendr
eseller

▼ RPM

delete_rpm_
version

edit_rpm_ve
rsion

get_rpm_ver
sion_data

install_rpm_
plugin

list_rpms

package_m
anager_fixc
ache

package_m
anager_get_
build_log

package_m
anager_get_
package_inf
o

package_m
anager_is_p
erforming_a
ctions

package_m
anager_list_
packages

package_m
anager_reso
lve_actions

package_m
anager_sub
mit_actions

package_m
anager_upgr
ade

uninstall_rp
m_plugin

▼ Script Hooks

delete_hook

edit_hook

list_hooks

reorder_hoo
ks

▼ Security

accesshash

authorizessh
key

check_remo
te_ssh_conn
ection

convertopen
sshtoputty

deletesshke
y

fetch_securi
ty_advice

generatessh
keypair

importsshke
y

listsshkeys

▼ Server

Administration

add_configcl
usterserver

configureba
ckgroundpro
cesskiller

configureser
vice

cors_proxy_
get

create_user
_session

delete_conf
gclusterserv
er

enable_mon
itor_all_ena
bled_service
s

get_all_cont
act_importa
nces

get_appconf
ig_applicatio
n_list

get_applicati
on_contact_
event_import
tance

get_applicati
on_contact_
importance

get_availabl
e_profiles

get_current_
profile

get_passwor
d_strength

get_remote_
access_has
h

get_service_
config

get_service_
config_key

get_tcp4_so
ckets

get_tcp6_so
ckets

get_tweakse
tting

get_udp4_s
ockets

get_udp6_s
ockets

get_update_
availability

get_users_li
nks

getdiskusag
e

gethostname

is_role_ena
bled

list_configcl
usterservers

loadavg

nvget

nvset

personalizati
on_get

personalizati
on_set

purchase_a
_license

reboot

remove_in_
progress_ex
im_config_e
dit

restartservic
e

restore_conf
ig_from_file

restore_conf
ig_from_upl
oad

run_cpkeyclt

send_test_p
osturl

send_test_p
ushbullet_n
ote

servicestatu

s

set_applicati
on_contact_
event_imp
ortance

set_applicati
on_contact_
importance

set_primary
_servernam
e

set_service_
config_key

set_tweakse
tting

sethostname

setminimum
passwordstr
engths

start_profile
_activation

system_nee
ds_reboot

systemloada
vg

update_conf
igclusterserv
er

update_cont
act_email

verify_aim_a
ccess

verify_icq_a
ccess

verify_oscar
_access

verify_postu
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▼ SSL

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install_service_ssl_certificate
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▼ Styles and Themes

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▼ Support Tickets

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e_service_a
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▼ Transfers

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pause_transfer_session

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retrieve_transfer_session_remote_analysis

start_transfer_session

transfer_module_schema

validate_system_user

▼ Updates

accept_eula

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getlongterm support

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