

WHM API 1 Functions - background_mysql_upgrade_status

Guide to WHM API 1

- Return Data
- Filter Output
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- Paginate Output
- Output Columns
- 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_domain_info
getdomainowner
has_digest_auth
has_my.cnf_for_cpuser
limitbw
list_users
listaccts
listlockedaccounts
listsuspended
modifyacct
myprivs
passwd
removeacct
set_digest_auth
showbw
suspendacct
unsuspendacct
untrack_acct_id
verify_new_username

Addon Domains

Command Line

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

Notes:

- 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\ncheckyum 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 data base user's name.

convert_add
on_fetch_co
nversion_de
tails

convert_add
on_fetch_do
main_details

convert_add
on_get_con
version_stat
us

convert_add
on_initiate_c
onversion

convert_add
on_list_add
on_domains

convert_add
on_list_conv
ersions

▼ Authentication

api_token_c
reate

api_token_li
st

api_token_r
evoke

api_token_u
pdate

disable_aut
hentication_
provider

disable_fail
ing_authenti
cation_provi
ders

enable_auth
entication_p
rovider

get_availabl
e_authentic
ation_provi
ders

get_login_ur
l

get_provider
_client_confi
gurations

get_provider
_configurati
on_fields

get_provider
_display_co
nfigurations

get_users_a
uthn_linked
_accounts

```
"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.

backup_destination_set
backup_destination_validate

backup_get_transport_status

backup_list_transported

backup_set_list

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

flush_cphulk_login_history_for_ips

get_countries_with_known_ip_ranges

```
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
```

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

▼ Databases

background_mysql_upgrade_status
current_mysql_version
installable_mysql_versions
latest_available_mysql_version
list_database_users
list_databases
list_mysql_databases_and_users
remote_mysql_create_profile
remote_mysql_create_profile_via_ssh
remote_mysql_delete_profile
remote_mysql_initiate_profile_activation
remote_mysql_monitor_profile_activation
remote_mysql_read_profile

```
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/scripts/check_cpanel_rpm
s
--targets=MySQL41,MySQL50,MySQL51,MySQL55,MySQL56,MariaDB100,MariaDB101
--fix\nRestarting
mysql
service.\nWaiting for
"mysql" to restart
.....
.....
.....waiting for "mysql" to
initialize
.....finished.\n\
```

ile
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
addzonecord
addzonecord (Reverse DNS)
dumpzone
editzonecord
get_nameserver_config
getzonecord
has_local_authority
killdns
listmxs
listzones
lookupnsip
lookupnsips

```
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_mysql_upgrade_status</
```

removezone
record

resetzone

resolvedom
ainname

savemxs

setresolvers

update_nam
eservers_co
nfig

▼ EasyApache

ea4_get_cur
rently_install
ed_package
s

ea4_get_ea
_pkgs_state

ea4_list_pro
files

ea4_migrati
on

ea4_pre_mi
grate_check

ea4_recom
mendations

ea4_save_p
rofile

ea4_tomcat
85_add

ea4_tomcat
85_list

ea4_tomcat
85_rem

▼ Greylisting

cpgreylist_is
_server_net
block_truste
d

cpgreylist_li
st_entries_f
or_common
_mail_provid
er

cpgreylist_lo
ad_common
_mail_provid
ers_config

cpgreylist_s
ave_commo
n_mail_provi
ders_config

cpgreylist_st
atus

cpgreylist_tr
ust_entries_

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

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

Parameters

Return	Type	Description	Possible values	Example
upgrade_id	string	<p>Required</p> <p>The logfile's name.</p> <div style="border: 1px solid black; 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
--------	------	-------------	-----------------	---------

<p>for_common_mail_provider</p> <p>cpgreylist_untrusted_entries_for_common_mail_provider</p> <p>create_cpgreylist_trusted_host</p> <p>delete_cpgreylist_trusted_host</p> <p>disable_cpgreylist</p> <p>enable_cpgreylist</p> <p>load_cpgreylist_config</p> <p>read_cpgreylist_deferred_entries</p> <p>read_cpgreylist_trusted_host</p> <p>save_cpgreylist_config</p> <p>▼ Integration</p> <p>batch</p> <p>cpanel</p> <p>create_integration_group</p> <p>create_integration_link</p> <p>get_integration_link_user_config</p> <p>list_integration_groups</p> <p>list_integration_links</p> <p>remove_integration_group</p> <p>remove_integration_link</p> <p>update_integration_link_token</p> <p>▼ IP Addresses</p> <p>addips</p> <p>delip</p> <p>get_public_ip</p>	<p>error</p> <p>log</p>	<p>integer</p> <p>string</p>	<p>An error code.</p> <p>The upgrade's log file.</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>A valid log file.</p>	<p>0</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\nMariaDB 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.\n\nEnsuring that the package "MariaDB-common" with version matching "10.0" is available.\n\nEnsuring that the package "MariaDB-devel" with version matching "10.0" is available.\n\nEnsuring that the package</pre>
---	-------------------------	------------------------------	--	--	---

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
ailbox_mess
ages
expunge_m
essages_for
_mailbox_gu
id
fetch_dkim_
private_keys
fetch_mail_

```
"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,MySQ
```

queue
generate_mailbox_config
get_mailbox_status
get_mailbox_status_list
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_market_provider

```
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
successful
ly\u001b[0
m\n-----
-----
-----\
nChecking
for Ruby
update...\n
nNo Ruby
update
required.\n
n-----
```

▼ Market

enable_market_provider

get_adjusted_market_providers_products

get_market_providers_commission_config

get_market_providers_list

get_market_providers_product_metadata

get_market_providers_products

set_market_product_attribute

set_market_provider_commission_id

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

▼ ModSecurity™

modsec_added_rule

modsec_added_vendor

modsec_assemble_config_text

modsec_batch_settings

modsec_check_rule

modsec_clone_rule

modsec_deploy_all_rule_changes

modsec_deploy_rule_changes

modsec_deploy_settings_changes

modsec_disable_rule

modsec_disable_vendor

modsec_disable_vendor_configs

modsec_disable_vendor_updates

modsec_disable_all_rule_changes

modsec_disable_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_un
disable_rule

modsec_up
date_vendor

▼ Packages

_getpkgexte
nsionform

add_overrid
e_features_f
or_user

addpkg

addpkgext

changepack
age

create_featu
relist

delete_featu
relist

delpkgext

editpkg

get_availabl
e_applicatio
ns

get_availabl
e_featurelist
s

get_feature_
metadata

get_feature_
names

get_featureli
st_data

get_featureli
sts

get_users_f
eatures_sett
ings

getfeaturelis
t

getpkginfo

killpkg

listpkgs

manage_fea
tures

matchpkgs

read_feature
list

remove_override_features_for_user

update_featurelist

verify_user_has_feature

▼ PHP

convert_all_domains_to_fpm

get_fpm_count_and_utilization

is_conversion_in_progress

php_get_default_accounts_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_versions_by_version

php_get_versions

php_ini_get_content

php_ini_get_directives

php_ini_set_content

php_ini_set_directives

php_set_default_accounts_to_fpm

php_set_handler

php_set_old_fpm_flag

php_set_session_save_p

ath

php_set_sys
tem_default
_version

php_set_vh
ost_versions

▼ Resellers

acctcounts

get_public_c
ontact

getresellerip
s

listacts

listresellers

resellerstats

saveacllist

set_public_c
ontact

setacts

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_
rsion

get_rpm_
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
shtoputty

deletesshke
y

generatessh
keypair

importsshke
y

listsshkeys

▼ Server

Administration

add_configcl
usterserver

configureba

ckgroundpro
cesskiller

configureser
vice

cors_proxy_
get

create_user
_session

delete_confi
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_tweakse
tting

get_update_
availability

get_users_li
nks

getdiskusag
e

gethostname

is_role_ena
bled

list_configcl
usterservers

loadavg
nvget
nvset
personalization_get
personalization_set
purchase_application_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_tweaking
sethostname
setminimumpasswordstrengths
start_profile_activation
systemneeds_reboot
systemloada

vg

update_conf
igclusterserv
er

update_cont
act_email

verify_aim_a
ccess

verify_icq_a
ccess

verify_oscar
_access

verify_postu
rl_access

verify_pushb
ullet_access

▼ SSL

disable_aut
ossl

fetch_servic
e_ssl_comp
onents

fetch_ssl_ce
rtificates_for
_fqdns

fetch_ssl_vh
osts

fetch_vhost
_ssl_compo
nents

fetchcrtinfo

fetchsslinfo

generatessl

get_autoss
l_check_sch
edule

get_autoss
l_log

get_autoss
l_logs_catalo
g

get_autoss
l_metadata

get_autoss
l_pending_q
ueue

get_autoss
l_pending_q
ueue_for_do
main

get_autoss
l_pending_q
ueue_for_us
er

get_autossl
_problems_f
or_domain

get_autossl
_problems_f
or_user

get_autossl
_providers

get_best_ssl
domain_for_
service

install_servi
ce_ssl_certif
icate

installssl

listcrts

rebuildinstall
edssldb

rebuildusers
sldb

reset_autos
ssl_provider

reset_servic
e_ssl_certifi
cate

set_autossl_
metadata

set_autossl_
metadata_k
ey

set_autossl_
provider

start_autossl
_check_for_
all_users

start_autossl
_check_for_
one_user

▼ Styles and Themes

generate_cp
anel_plugin

list_styles

load_style

remove_log
o

remove_styl
e

save_style

set_default

▼ Support Tickets

ticket_creat
e_stub_ticke
t

ticket_get_s
upport_agre
ement

ticket_get_s
upport_info

ticket_grant

ticket_list

ticket_remov
e_closed

ticket_revok
e

ticket_ssh_t
est

ticket_ssh_t
est_start

ticket_updat
e_service_a
greement_a
pproval

ticket_valida
te_oauth2_c
ode

ticket_whitel
ist_check

ticket_whitel
ist_setup

ticket_whitel
ist_unsetup

▼ Transfers

abort_transf
er_session

analyze_tra
nsfer_sessio
n_remote

available_tr
ansfer_mod
ules

create_remo
te_root_tran
sfer_session

create_remo
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get_availabl
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