

# Additional Parameters for API

## SSH tunneling for MySQL

Property name	Description
_sshhost	Host machine on which SSH server is running.
_sshuser	Username to access the SSH server.
_sshport	Port on which SSH server is listening. <b>Range:</b> 1 .. 65535 <b>Default:</b> "22"
_sshauthtype	SSH authentication type. <b>Permitted values:</b> key,password <b>Default:</b> password
_sshpassword	SSH user's password for password based authentication.
_sshprivatekey	SSH user's private 'key' for key based authentication. <b>Note</b> The key must be url encoded. For example line endings <code>\r\n</code> must be encoded to <code>%0A</code> and <code>" "</code> (white space) to <code>+</code> .
_sshpassphrase	Passphrase for private key file (if any) for key based authentication.

## SSL encryption for MySQL

Property name	Description
_cacertificate	The digital certificate issued by CA. <b>Note</b> The key must be url encoded. For example line endings <code>'rn'</code> must be encoded to <code>'%0A'</code> and <code>" "</code> (white space) to <code>+</code> .
_sslcipher	Encryption algorithm like DES, AES etc. <b>Note</b> The key must be url encoded. For example line endings <code>'rn'</code> must be encoded to <code>'%0A'</code> and <code>" "</code> (white space) to <code>+</code> .
_usesslauth	SSL client authentication type. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_clientkey	Private key of the client that is needed for encryption.
_clientcertificate	The client certificate.

## SSH settings

To enable and use SSH for reading logs via SFTP and/or OS monitoring, the following query parameters are required:

Property name	Description
_osmonitoring	Enable or disable SSH settings for OS monitoring/reading MySQL logs via SFTP. <b>Permitted values:</b> yes/no; true,false;1/0 <b>Default:</b> no
_ostype	OS monitoring is available for Linux systems only. Setting to "Linux", SQL DM for MySQL can monitor system related metrics like CPU consumption, Memory Usage, etc. <b>Permitted values:</b> linux,rds .
_ossameasmysqltunnel	Uses the same SSH details provided for SSH tunneling. Setting to "yes" will use the details provided for SSH tunneling to MySQL for this registration. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_sshsystemhost	Host machine on which SSH server is running.
_sshsystemuser	Username to access the SSH server.
_sshsystemport	Port on which SSH server is listening. <b>Range:</b> 1 ..65535 <b>Default:</b> "22"
_sshsystemauthtype	SSH authentication type to be used.

_sshssystempassword	SSH user's password for password based authentication.
_sshssystemprivatekey	SSH user's private 'key' for key based authentication. <b>Note</b> The key must be url encoded. For example line endings '\n' must be encoded to '%0A' and " " (white space) to "+".
_sshssystempasswordphrase	Passphrase for your private key file (if any) for 'key' based authentication.

## Notification settings

Property name	Description
_mailalerts	Setting to "yes" will send alerts/notifications via email. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_snmpalerts	Setting to "yes" will trigger SNMP traps on event of alerts. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_mailaddress	SQL DM for MySQL will send alerts to the email addresses specified under _mailaddress. Accepts comma (,) separated list of email addresses.
_mailaddresscritical	SQL DM for MySQL will send critical alerts to the email addresses specified under _mailaddresscritical.
_mailaddresswarning	SQL DM for MySQL will send warning alerts to the email addresses specified under _mailaddresswarning
_mailaddressother	SQL DM for MySQL will send other alerts such as MySQL server restart and MySQL configuration changes to the email addresses specified under _mailaddressother.
_writetosyslog	Setting to yes will route the alert notifications to syslog. <b>Permitted values:</b> yes/no; true,false; 1/0
_slackalerts	Setting to "yes" will route alerts/notifications to the Slack room. <b>Permitted values:</b> yes/no
_slackrulename	Specify the Slack Rule to be used.
_pagerdutyalerts	Setting to "yes" will route alerts/notifications to the PagerDuty. <b>Permitted values:</b> yes/no
_pagerdutyrulename	Specify the PagerDuty rule to be used.
_alerttableinterval	Number of times to wait before sending the alerts. <b>Default:</b> "1"
_notifyserverconfigurationchange	SQL DM for MySQL will send an alert whenever there is a change in MySQL configuration. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "yes"
_notifyserverrestart	SQL DM for MySQL will send an alert whenever the server restarts. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_briefemail	Enable or disable detailed email notification. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_notifystable	Notify stable alerts when monitor goes into alert-able state and then becomes stable. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_notifytillstable	Keeps notifying the user until the counter becomes stable. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_reminderinterval	Defines the number of data collections after which the user receives the notification until the counter becomes stable. <b>Default:</b> "5"

## Data collection settings

Property name	Description
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_datacollection	Enable data collection for server. SQL DM for MySQL will not collect data for this registration if data collection is disabled. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "yes"
_datacollectioninterval	The interval for the data collections in seconds. <b>Default:</b> "300" seconds (5 minutes)
_dataretentiontime	Data purging interval for the server. Timeframe should be specified in seconds. <b>Default:</b> "604800" (7 days)

## Replication settings

Property name	Description
_replicationslave	Consider a server as slave server. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_autoregisterslaves	Register all slave servers. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"

## Galera Settings

Property name	Description
_autoregistergaleranodes	Auto-register all galera nodes. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"

## Error log monitoring

Property name	Description
_enableerrorlog	To enable error log monitoring. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_errorlogreadmode	Mode to read the error log file. <b>Permitted values:</b> sftp, local, rds <b>Default:</b> "local"
_errorlogpath	MySQL error log path. <b>Default:</b> "/var/log/mysql/server-err.log"
_dbidentifier	A unique name to identify your RDS/Aurora instance.
_instanceregion	The region in which your instance is hosted, e.g: us-east-1.
_accesskey	A 20 character long key ID, is generated from AWS Mangement Console.
_secretkey	A 40 character long key ID, is generated from AWS Management Console.

## Slow query log and General query log settings

Property name	Description
_logreadmode	Mode to read the General and Slow query log files. <b>Permitted values:</b> sftp, local, rds <b>Default:</b> "local"
_querylogdestination	Read logs stored either from FILE or TABLE. <b>Permitted values:</b> file, table <b>Default:</b> "file"
_enableslowquery	To enable slow query log monitoring. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"

_slowquerylogpath	Path for slow log. <b>Default:</b> /var/log/mysql/server-slow.log
_enablegeneralquery	To enable general query log monitoring. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_generalquerylogpath	Path for general log. <b>Default:</b> /var/log/mysql/server-general.log
_dbidentifier	A unique name to identify your RDS/Aurora instance.
_instanceregion	The region in which your instance is hosted, e.g: us-east-1.
_accesskey	A 20 character long key ID, is generated from AWS Management Console.
_secretkey	A 40 character long key ID, is generated from AWS Management Console.

## Audit log settings

Property name	Description
_auditlogreadmode	Mode to read Audit log. <b>Permitted values:</b> sftp, local, rds <b>Default:</b> "local"
_enableauditlog	To enable audit log monitoring. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_auditlogpath	Path for audit log. <b>Default:</b> /var/lib/mysql/server_audit.log
_dbidentifier	A unique name to identify your RDS/Aurora instance.
_instanceregion	The region in which your instance is hosted, e.g: us-east-1.
_accesskey	A 20 character long key ID, is generated from AWS Management Console.
_secretkey	A 40 character long key ID, is generated from AWS Management Console.

## Sniffer settings

Property name	Description
_enablesniffer	Enable or disable sniffer analysis. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_sniffermode	Specifying a way to populate sniffer data for analysis. <b>Permitted values:</b> processlist, performanceschema, proxy <b>Default:</b> "processlist"
_monitorlongrunningqueries	Monitor only long running queries, executing beyond the specified time. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_longrunningquerytime	The time which qualifies a query as long running query (in seconds). <b>Default:</b> "10"
_ignorequeriesbyuser	A filter to ignore queries by a user.
_longrunningqueryaction	The action to be performed for long running queries. <b>Permitted values:</b> notify, kill, notifyandkill <b>Default:</b> notify
_monitorlockedqueries	Monitors for queries in the locked state. <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"
_snifferproxyhost	MySQL proxy host.
_snifferproxyport	MySQL proxy port.
_sniffinginterval	This interval specifies how frequently SQL DM for MySQL should "sniff" MySQL server (in seconds). <b>Default:</b> "1"

<code>_snifferpurginginterval</code>	Specifying a timeframe to purge the data collected (in seconds). <b>Default:</b> "259200" (3 days)
<code>_snifferfilteruser</code>	A filter to sniff queries only by specified users.
<code>_snifferfilterhost</code>	A filter to sniff queries only by specified hosts.
<code>_sniffquerystartingwith</code>	To sniff queries starting with the string.
<code>_snifferlongquerymail</code>	Setting to "yes" will enable SQL DM for MySQL to send mail alerts for long running queries. <b>Permitted values:</b> yes/no
<code>_snifferlongquerymailto</code>	SQL DM for MySQL will send long running query alert to the email addresses specified under <code>_snifferlongquerymailto</code>
<code>_snifferlongquerytrap</code>	Setting to "yes" will enable SQL DM for MySQL to send SNMP traps for the long running queries. <b>Permitted values:</b> yes/no
<code>_snifferlongquerywritetosyslog</code>	Setting to "yes" will enable SQL DM for MySQL to write the alerts for the long running queries to the syslog of the host machine of SQL DM for MySQL. <b>Permitted values:</b> yes/no
<code>_snifferlongqueryslack</code>	Setting to "yes" will enable SQL DM for MySQL to route the alerts to the Slack room for the long running queries. <b>Permitted values:</b> yes/no
<code>_snifferlongqueryslackrule</code>	Specify the Slack rule to be used for sending the Long running query alerts.
<code>_snifferlongquerypagerduty</code>	Setting to "yes" will enable SQL DM for MySQL to route the alerts to PagerDuty for the long running queries. <b>Permitted values:</b> yes/no
<code>_snifferlongquerypagerdutyrule</code>	Specify the PagerDuty rule to be used for sending the Long running query alerts.

## Deadlock monitoring settings

Property name	Description
<code>_enabledeadlockmonitoring</code>	Enable or disable InnoDB deadlock monitoring. Turning this ON will help in tracing deadlocks reported by "SHOW INNODB STATUS". <b>Permitted values:</b> yes/no; true,false; 1/0 <b>Default:</b> "no"

## Manage Monitors settings

Property name	Description
<code>_disabledmonitorgroups</code>	This specifies the monitor groups that are to be disabled for the server. Comma-separated Group IDs may be supplied. To know the Group IDs of the various monitor groups, you may hover over the Monitor Groups in Customize -> Manage Monitor Groups. For example, if you want to disable, Binary Log (Group ID: 17), Replication (Group ID : 19) and MySQL Cluster(Group ID: 27), the parameters will be 17,19,27 <b>Default:</b> 7,14,22

## Real-Time Mode Setting

Property name	Description
<code>_realtimemode</code>	For setting up Real-Time monitoring mode. <b>Permitted values:</b> processlist /performanceschema <b>Default:</b> "processlist"

## Connection Settings

Property name	Description
<code>_mysqlconnecttimeout</code>	Specify MySQL connection timeout. <b>Default:</b> "30" seconds
<code>_sshconnecttimeout</code>	Specify SSH tunnel connection timeout. <b>Default:</b> "30" seconds

<code>_sshsystemconnecttimeout</code>	Specify SSH connection timeout. <b>Default:</b> "30" seconds
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