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. **Range:** 1 .. 65535 **Defaluts:** "22"
_sshauthtype	SSH authentication type. **Permitted values:** key,password **Default:** password
_sshpassword	SSH user's password for password based authentication.
_sshprivatekey	SSH user's private 'key' for key based authentication. **Note** The key must be url encoded. For example line endings \r\n must be encoded to %0A and " " (white space) to +.
_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. **Note** The key must be url encoded. For example line endings 'rn' must be encoded to '%0A' and " " (white space) to "+".
_sslcipher	Encryption algorithm like DES, AES etc. **Note** The key must be url encoded. For example line endings 'rn' must be encoded to '%0A' and " " (white space) to "+".
_usesslauth	SSL client authentication type. **Permitted values:** yes/no; true,false; 1/0 **Default:** "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. **Permitted values:** yes/no; true,false;1/0 **Default:** 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. **Permitted values:** 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. **Permitted values:** yes/no; true,false; 1/0 **Default:** "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. **Range:** 1 ..65535 **Default:** "22"
_sshsystemauthtype	SSH authentication type to be used.

_sshsystempassword	SSH user's password for password based authentication.
_sshsystemprivatekey	SSH user's private 'key' for key based authentication. **Note** The key must be url encoded. For example line endings 'rn' must be encoded to '%0A' and " " (white space) to "+".
_sshsystempassphrase	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. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
_snmpalerts	Setting to "yes" will trigger SNMP traps on event of alerts. **Permitted values:** yes/no; true,false; 1/0 **Default:** "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	Seting to yes will route the alert notifications to syslog. **Permitted values:** yes/no; true,false; 1/0
_slackalerts	Setting to "yes" will route alerts/notifications to the Slack room. **Permitted values:** yes/no
_slackrulename	Specify the Slack Rule to be used.
_pagerdutyalerts	Setting to "yes" will route alerts/notifications to the PagerDuty. **Permitted values:** yes/no
_pagerdutyrulename	Specify the PagerDuty rule to be used.
_alertableinterval	Number of times to wait before sending the alerts. **Default:** "1"
_notifyserverconfigchange	SQL DM for MySQL will send an alert whenever there is a change in MySQL configuration. **Permitted values:** yes/no; true,false; 1/0 **Default:** "yes"
_notifyserverrestart	SQL DM for MySQL will send an alert whenever the server restarts. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
_briefemail	Enable or disable detailed email notification. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
_notifystable	Notify stable alerts when monitor goes into alert-able state and then becomes stable. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
_notifytillstable	Keeps notifying the user until the counter becomes stable. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
_reminderinterval	Defines the number of data collections after which the user receives the notification until the counter becomes stable. **Default:** "5"

Data collection settings

Property name	Description

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

Replication settings

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

Galera Settings

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

Error log monitoring

Property name	Description
`_enableerrorlog`	To enable error log monitoring. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
`_errorlogreadmode`	Mode to read the error log file. **Permitted values:** sftp, local, rds **Default:** "local"
`_errorlogpath`	MySQL error log path. **Default:** "/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. **Permitted values:** sftp, local, rds **Default:** "local"
`_querylogdestination`	Read logs stored either from FILE or TABLE. **Permitted values:** file, table **Default:** "file"
`_enableslowquery`	To enable slow query log monitoring. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"

`_slowquerylogpath`	Path for slow log. **Default:** /var/log/mysql/server-slow.log
`_enablegeneralquery`	To enable general query log monitoring. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
`_generalquerylogpath`	Path for general log. **Default:** /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. **Permitted values:** sftp, local, rds **Default:** "local"
`_enableauditlog`	To enable audit log monitoring. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
`_auditlogpath`	Path for audit log. **Default:** /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. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
`_sniffermode`	Specifying a way to populate sniffer data for analysis. **Permitted values:** processlist, performanceschema, proxy **Default:** "processlist"
`_monitorlongrunningqueries`	Monitor only long running queries, executing beyond the specified time. **Permitted values:** yes/no; true,false; 1/0 **Default:** "no"
`_longrunningquerytime`	The time which qualifies a query as long running query (in seconds). **Default:** "10"
`_ignorequeriesbyuser`	A filter to ignore queries by a user.
`_longrunningqueryaction`	The action to be performed for long running queries. **Permitted values:** notify, kill, notifyandkill **Default:** notify
`_monitorlockedqueries`	Monitors for queries in the locked state. **Permitted values:** yes/no; true,false; 1/0 **Default:** "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). **Default:** "1"

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

Deadlock monitoring settings

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

Manage Monitors settings

Property name	Description
_disabledmonitorgroups	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 **Default:** 7,14,22

Real-Time Mode Setting

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

Connection Settings

Property name	Description
_mysqlconnecttimeout	Specify MySQL connection timeout. **Default:** "30" seconds
_sshconnecttimeout	Specify SSH tunnel connection timeout. **Default:** "30" seconds

`_sshsystemconnecttimeout`	Specify SSH connection timeout. **Default:** "30" seconds