Replication

This interface shows the replication graph and relationship of all registered MySQL servers, as well as SLAVE STATUS and MASTER STATUS where it applies on hovering over each of the server block. The display gets updated after every one minute.

The servers are color-coded to represent the different states of the replication servers: green denotes stable, red disconnected servers and yellow not in sync. The yellow color is decided if any of the following variables return the below value:



or

```
'SECONDS BEHIND MASTER' >= 450 Secs (this is the default global value for all the servers. A user can also set a value according to their MySQL environment)
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From Monyog 8.1.0, the user can set the **Seconds Behind Master** threshold value for all the servers in SQL DM for MySQL by clicking the icon in the **Sec onds Behind Master** column or in the dialog pop-up upon clicking the respective server in the table/topology.

There are two interfaces that the user can choose to see the information about the replication setup:

• Table of Parameters: This table contains the result set of SHOW [ALL] SLAVE STATUS for servers which have been marked as replication slaves in SQL DM for MySQL. The first time the number of columns in the table is condensed to only display 'Essential Parameters'. To get the detailed view, you can select the option 'All Parameters' from the drop-down menu in the header.

∽	REPLICATION OVERVIEW	Table of Parameters ~	AUTO REFRESH 5 Second(s) ~	SHOW Essential Para	meters ~				Q	2
	SERVER		SLAVE IO STATE	MASTER HOST	SLAVE IO RUNNING	SLAVE SQL RUNNING	SECONDS BEHIND MASTER	LAST IO ERROR		
₽	Master File: mysql-bin.000005 Position: 120						Ŵ.			
	Slave-Ger File: mysql-bin.000003 Position: 120		Waiting for master to send event	127.0.0.1	Yes	Yes	0			
Q	Slave-US File: mysql-bin.000003 Pe	osition: 120		127.0.0.1	No	No				
+ ! † ⊗										
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You can sort any column which removes the hierarchy listing of servers. To view slaves in the hierarchy, click the SHOW HIERARCHY link.

Also, if the I/O thread ('Slave_IO_Running') is not running, it dynamically brings out the Last IO Error column for a quick view on what went wrong with the Slave IO Thread. It works similarly for SQL thread ('Slave_SQL_Running') as well.

REPLICATION OVERVIEW Table of Parameters	 AUTO REFRESH 5 Second(s) 	 ✓ All Parame 	ters v	SHOW HIERARCHY					4 A
SERVER	SLAVE IO STATE	MASTER HOST	MASTER USER	MASTER PORT	CONNECT RETRY	MASTER LOG FILE	READ MASTER LOG POS	RELAY LOG FILE	RELAY LOG POS
Slave-Ger	Waiting for master	127.0.0.1	rsandbox	23700	60	mysql-bin.000005	120	mysql-relay.000012	283
▲ Slave-US		127.0.0.1	rsandbox	23700	60	mysql-bin.000005	120	mysql-relay.000012	283
Master									
File: mysql-bin.000005 Position: 120									
	SERVER Slave-Ger File: myaql-bin.000003 Position: 120 Slave-US File: myaql-bin.000003 Position: 120	REPLICATION OVERVIEW Table of Parameters ~ 5 Second(s) SERVER SLAVE IO STATE • Slave-Ger Waiting for master File: mysql-bin.000003 Position: 120 Waiting for master • Slave-US File: mysql-bin.000003 Position: 120 • Master Master	Stave-US Stave-US 127.0.0.1 File: mysql-bin.000003 Position: 120 127.0.0.1	Stave-US Stave-US 127.0.0.1 rsandbox File: Image File: 127.0.0.1 rsandbox	REPUCATION OVERVIEW Table of Parameters 5 Second(s) All Parameters SHOW HIERARCHY SERVER SLAVE IO STATE MASTER HOST MASTER USER MASTER PORT Slave-Ger Waiting for master 127.0.0.1 rsandbox 23700 Slave-US File: mysql-bin.000003 Position: 120 127.0.0.1 rsandbox 23700 Master Master 127.0.1 rsandbox 23700	REPUCATION OVERVIEW Table of Parameters 5 Second(s) All Parameters SHOW HERARCHY SERVER SLAVE IO STATE MASTER HOST MASTER USER MASTER PORT CONNECT RETRY Slave-Ger Waiting for master 127.0.0.1 rsandbox 23700 60 Slave-US File: mysql-bin.000003 Position: 120 127.0.0.1 rsandbox 23700 60 Master Master 127.0.0.1 rsandbox 23700 60	REPUCATION OVERVIEW Table of Parameters 5 Second(s) All Parameters SHOW HIERARCHY SERVER SLAVE IO STATE MASTER HOST MASTER USER MASTER PORT CONNECT RETRY MASTER LOG FILE Slave-Ger Biave-Ger Waiting for master 127.0.0.1 rsandbox 23700 60 mysql-bin.000005 Slave-US 127.0.0.1 rsandbox 23700 60 mysql-bin.000005 Master Master 127.0.1 rsandbox 23700 60 mysql-bin.000005	REPUCATION OVERVIEW Table of Parameters S Second(s) All Parameters SHOW HIERARCHY SERVER SLAVE IO STATE MASTER HOST MASTER USER MASTER PORT CONNECT RETRY MASTER LOG FILE READ MASTER LOG POS Slave-Ger File: mysql-bin.000003 Poellion: 120 Wailing for master 127.0.0.1 rsandbox 23700 60 mysql-bin.000005 120 Slave-US 127.0.0.1 rsandbox 23700 60 mysql-bin.000005 120 Master 127.0.1 rsandbox 23700 60 mysql-bin.000005 120	REPUCATION OVERVIEW Table of Parameters 5 Second(s) All Parameters SHOW HIERARCHY SERVER SLAVE IO STATE MASTER HOST MASTER USER MASTER PORT CONNECT RETRY MASTER LOG FILE READ MASTER LOG POS RELAY LOG FILE Slave-Ger Waiting for master 127.0.0.1 rsandbox 23700 60 mysql-bin.000005 120 mysql-relay.000012 Slave-US 127.0.0.1 rsandbox 23700 60 mysql-bin.000005 120 mysql-relay.000012 File: mysql-bin.000003 Poaition: 120 127.0.0.1 rsandbox 23700 60 mysql-bin.000005 120 mysql-relay.000012 Master 127.0.0.1 rsandbox 23700 60 mysql-bin.000005 120 mysql-relay.000012

• Topology Chart: This interface shows the replication graph and relationship of all registered MySQL servers which are marked as master/slave, as well as SLAVE STATUS and MASTER STATUS while hovering over each of the server blocks. The display gets updated at the user-specified refresh interval which is a browser-specific setting. The default interval is 5 seconds.

↔	REPLICATION OVERVIEW	Topology Chart	~	AUTO REFRESH 5 Second(s) ~		Q	9
8							
Q							
*							
Q							
+∔† ⊗							
۵					Slave-US		
					Server Stable Server Not in Sync Server Not Connected		

The server blocks on clicking gives the result set of SHOW [ALL] SLAVE STATUS for the slave and SHOW MASTER STATUS for the master servers.

SQL Diagnostic Manager for MySQL agentless and cost-effective performance monitoring for MySQL and MariaDB.

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