Adding MySQL Instance to the Policy

🔺 Notice

In CDP, end-user level MySQL backup is not supported. Only super-users can fulfill MySQL backup. Sub-users are limited by agent user permission.

If you have the Databases Add-On enabled for Agent, you need to allow the CDP Server to see the MySQL database in the client. This can be done by entering the information about the database to the Policy. Follow the instructions below in your CDP Enterprise or Advanced Edition.

Note

To add a MySQL instance to your Agent, you will need to install a database driver first. See here for detailed instructions.

1. Select the "Databases" tab in the Policy properties window. You can do so while creating a new Policy as shown below.



You can also select the "Databases" tab in the "Edit Policy" window after the Policy has been saved and even run. See Editing Policies.



2. On the "Databases" tab of the Policy window, click on the "Add New MySQL Instance" button.

Dolicy	Settings	🛃 Data Retention	💋 File Excludes
🛟 Add Ne	ew MySQL In	stance	
Enabled	Туре	Name	

3. The "Add Database Instance" wizard window will appear. Familiarize yourself with the introductory information and click "Next" to proceed with adding the instance.



If you see the following error message, then the database driver is not installed on your Agent.



See this chapter for detailed instructions on how to install the driver.

4. On the following "Name" screen you can define the name for your database and can enable or disable the database instance.

🇊 Add Database Insta	nce	
Introduction	name	
▶ Name		
▶ Host	You can define a name for the database instance.	
Authentication	This value is optional, and is only used to make it easy for use to identify the database instance.	rs
Data Directory		
Base Directory	You can also enable or disable the database instance.	
Options	A disabled instance retains its configuration, but will not be	
Summary	backed up when the policy executes.	
		-
	Seabled ₽	
	Name Database 1	
		_
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5. The following wizard screen is "Host." Here you can enter the information about host to connect to.

- Use Alternate Host Name/IP You can check this option when you need to configure multiple network interfaces situated on one host, but having different IP addresses. By default, the agent's current hostname is used. This option can no longer be used to connect to MySQL databases, located on another host.
- Notice The "Use Alternate Host Name/IP" option is used when:
 Multiple network interfaces are configured on the host, each with different IP

configured to connect. Example: eth1

- Or
 - When we configured multiple IP addresses over the same network interface. Example: eth0:1 (Aliasing).
- 🔺 Notice

The "Use Alternate Host Name/IP" option is not used to connect to another host.

• Host Name/IP - Specify hostname or IP address if it differs from the agent's current

hostname/IP.

• Port Number - By default, "3306" port number is used. If you use another port number to connect to the database in your environment, specify the port number in this field.

🇊 Add Database Insta	nce 🛛 🗸
Introduction	📮 Host
▶ Name	
▶ Host	You have two options for defining the hostname to connect to.
Authentication	 By default, we'll use the agent's current hostname.
Data Directory	 You can also define a specific hostname or IP address to
Base Directory	connect to.
Options	
Summary	□ Use Alternate Host Name/IP
	Host Name/IP
	Dort Number 2206
	Port Number 3300
te	st Connection Sack Next Add Ocancel

6. On the "Authentication" screen you must specify the authentication credentials to connect to the database instance.

• Username - Enter the name of the user who has full administrator-level access to the database instance you want to back up.

Note

You do not need to specially create a user and allow remote connections to MySQL Instance. While adding a MySQL Instance to the Policy, you can use the credentials of any MySQL user with full access to MySQL server from localhost. For example, you can use MySQL 'root@localhost' account typically created during MySQL server installation.

- Password Enter the password of the user who has full access to the databases you want to back up.
- Confirm Password

🇊 Add Database Insta	ince	
 Introduction Name Host Authentication Data Directory 	You must specify the to the database inst The user specified m the database instant	n authentication credentials to use to connect ance. ust have full administrator-level access to ce.
 Base Directory Options Summary 	Username Password Confirm Password	root ••••••••
Те	st Connection	🔇 Back 🚺 Next 🙀 Add 🖉 Cancel

7. On the "Data Directory" screen, optionally define the path of data directory. By default, the application discovers where the database stores its data files. In some environments, the data directory is under a different path than the discovered path. For these cases, you can specify the exact path to the database's data directory to compensate.

For example, if the MySQL instance is relative to the Virtual Machine root directory, you need to specify the full path to your MySQL data directory: /vz/customer1/var/mysql/data/dir (Virtuozzo.)

🌒 Add Database Insta	nce	
 Add Database Instant Introduction Name Host Authentication Data Directory Base Directory Options Summary 	Data Directory By default, we discover where the database stores its data fi In some environments, the data directory is under a different path than the discovered path. For these cases, you can specify the exact path to the database's data directory to compensate.	iles.
	at Connection	ncel
tes 🖏	st Connection St Connection Car	ncel

8. On the following screen specify a base directory to use if it differs from the standard directory. By default, the system attempts to automatically determine where on the filesystem the necessary program files are located. In some environments, the automatic method fails. To remedy this, you can choose to specify the exact path for the base directory. This will ensure that the system can locate the necessary files.

🇊 Add Database Inst	tance 🛛 🖉
Introduction	Base Directory
 Name Host 	By default, we attempt to automatically determine where on the filesystem the necessary program files are located.
 Authentication Data Directory 	In some environments, the automatic method fails and we are unable to locate the files.
 Base Directory Options Summary 	To remedy this, you can choose to specify the exact path for the base directory. This will ensure that we can locate the necessary files.
,	Specify a Base Directory to Use
	Base Directory
	Test Connection Sect Next Add OCancel

9. On the "Options" screen, you can Specify a virtuozzo Container ID and choose to get MySQL table statistics.



To set up a MySQL database in a Virtuozzo container, you will need to specify the following:

- Host Use Alternate Host Name/IP must be checked with hostname/IP and port details added.
- Authentication Username and password for the MySQL instance.
- Options Specify a Virtuozzo container ID must be checked and the container ID added below.

10. On the last "Summary" screen, the settings you have selected are listed.

🇊 Add Database Insta	nce 🗉	×
 Add Database Instant Introduction Name Host Authentication Data Directory Base Directory Options Summary 		X
	Password ******	
tes	st Connection St Connection Cancel	

Once you have verified that the specified settings are correct, click "Add" to add your MySQL instance to the Policy.

11. The wizard screen closes and the added MySQL instance appears on the "Databases" tab of the Policy window. Instance options are displayed in the appropriate columns.

dudes Databases Control Panels Advanced Policy Settings	Policy Settings Data Retention File Excludes Advanced Excludes Databases Control Panels Advanced Policy Settings Add New MySQL Instance Add New MySQL Instance Host Name/IP Port Number Username Password Image: Control Panels Image: Control Panels Password Image: Control Panels Image: Control	Create	New Policy						
Port Number Username Password	Add New MySQL Instance Mame Host Name/IP Port Number Username Password nabled Type Name Host Name/IP Port Number Username Password Image: Constant State Stat	Dolicy	' Settings 🛛 🍓 Data Rete	ntion 🛛 🔯 File Excludes	Advanced Excludes	🇊 Databas	es 🔋 Control Panels	🕜 Advanced Pol	licy Settings
Port Number Username Password	Type Name Host Name/IP Port Number Username Password MYSQL Database1 3306 root ******* PASSWORD	🛟 Add Ne	ew MySQL Instance						
	MYSQL Database1 3306 root ****** 2233	Enabled	Туре	Name	Host Name/IP	Port Number	Username	Password	
3306 root ******* 📝 🎎 😔		9	MYSQL	Database1		3306	root	******	ピ 🖊 🖏
3306 root ******* 🖓 🦓		abled	Type MYSQL	Name Database1	Host Name/IP	Port Number 3306	Username root	Password *****	B %
									Create 🔗 Car

The following actions over the MySQL Instance are available via the icons:

- Edit Opens the "Add Database Instance" wizard where you can change the instance settings.
- Delete Removes the instance without prompting to confirm.
- Test Connections Attempts to connect to the database at the specified host and port using the provided authentication credentials. Optionally performs Flush and Lock check.
- Disable Disables the MySQL instance. A disabled instance retains its configuration, but will not be backed up when the Policy executes.

13. Now save the Policy.

