## Restoring MySQL Databases to Alternate Locations

You can restore a MySQL database to an alternate Agent by following the instructions below in your CDP Enterprise or Advanced Edition.

1. Click on "Recovery Points" in the Main Menu to open the "Recovery Points" window.



2. In the "Recovery Points" list, select a Recovery Point containing the necessary database replication.

🖯 Tip

To find a Recovery Point, you can use the Basic and Advanced List Filters. See Customizing the Recovery Points List.

Click on the "Browse Databases" icon in the "Actions" column for this Recovery Point.

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3. The "Browse Databases" window opens. Select a database instance from the drop-down menu.

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4. You can browse the instance by clicking the "+" icon.

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5. Select the database you want to restore and click "Restore Selected."

## Note

Starting with CDP version 3.14 and higher you can no longer select to restore individual tables or other objects like triggers or views. You can only restore the entire database.

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6. In the appeared "Restore Databases" wizard window, define the options for the restore.

On the first screen, familiarize yourself with the introductory information and click "Next" to proceed.



7. On the "Host" screen, you have two options for selecting the host to restore to:

- Restore to Original Host If you select this option, the restore will be done to the Agent where the source database was located. If the database exists, it can be overwritten.
- Restore to Alternate Agent Select a destination Agent which is already added to the system.

Select "Restore to Alternate Agent."

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> Introduction	🖳 Host					
<ul> <li>Host</li> <li>Authentication</li> <li>Temporary Instance</li> <li>Data Directory</li> <li>Base Directory</li> <li>Restore Summary</li> </ul>	<ul> <li>When restoring databases, you have three options for selecting to to restore to.</li> <li>Restoring to the original host will connect to the hostname configured when the recovery point was created.</li> <li>Restoring to an alternate agent will connect to the selected hostname and the specified port.</li> <li>Restoring to an alternate hostname will connect to the spec hostname and port. Note: When restoring to an alternate hostname version or a newer version than the one running at backup.</li> </ul>					
	Restore to Alternate Agent					
	Agent  Database Host localhost Database Port 3306					
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After that select the Agent from the drop-down menu.

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<ul> <li>Host</li> <li>Authentication</li> <li>Temporary Instance</li> <li>Data Directory</li> <li>Base Directory</li> <li>Restore Summary</li> </ul>	<ul> <li>When restoring databases, you have three options for selecting the host to restore to.</li> <li>Restoring to the original host will connect to the hostname and port configured when the recovery point was created.</li> <li>Restoring to an alternate agent will connect to the selected agent's hostname and the specified port.</li> <li>Restoring to an alternate hostname will connect to the specified hostname and port. Note: When restoring to an alternate host, the running MySQL server must be the same version or a newer version than the one running at backup.</li> <li>C Restore to Original Host</li> <li>Restore to Alternate Agent</li> <li>Agent</li> <li>Database Port 3306</li> </ul>
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The Database Host should be set to localhost and the Database Port should be 3306.

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<ul> <li>Host</li> <li>Authentication</li> <li>Temporary Instance</li> <li>Data Directory</li> <li>Base Directory</li> <li>Restore Summary</li> </ul>	<ul> <li>When restoring databases, you have three options for selecting the host to restore to.</li> <li>Restoring to the original host will connect to the hostname and port configured when the recovery point was created.</li> <li>Restoring to an alternate agent will connect to the selected agent's hostname and the specified port.</li> <li>Restoring to an alternate hostname will connect to the specified hostname and port. Note: When restoring to an alternate host, the running MySQL server must be the same version or a newer version than the one running at backup.</li> <li>C Restore to Original Host</li> <li>C Restore to Alternate Agent</li> </ul>					
	Agent ubuntu1004x64 Database Host localhost Database Port 3306					

Click "Next" to proceed to the following step.

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8. On the "Authentication" screen, you have two options to specify to connect to the database.

- Use Original Authentication Credentials Connects using the default username and password used to backup the database instance.
- Specify Alternate Authentication Credentials Allows you to set username and password different from the default ones. The user must have full administrator-level access to the database instance you are going to restore.

Select the second option.

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Enter the required credentials.

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Click "Next" to proceed to the following step.

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9. The next screen is "Temp Instance." When restoring databases, the system needs to create a temporary directory on the target agent for the restore. There are two options for this.

- Use Default Temp Directory Creates a directory in an OS-specific default location ( C:\Temp for Windows, /tmp for Linux).
- Specify an Alternate Temp Directory Allows you to control exactly where the temp directory is created on the Agent.

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<ul> <li>Authentication</li> <li>Temporary Instance</li> <li>Data Directory</li> <li>Base Directory</li> <li>Restore Summary</li> </ul>	When restoring tables, we need to create a temporary MySQL instance on the target agent for the restore. These are the advanced options. The defaults should be used when possible. © Use Default Temp Directory © Specify an Alternate Temp Directory Temp Directory © Specify a virtuozzo Container ID Virtuozzo Container ID
	Use Default Connection Information     Specify a Alternate Connection Information     Database Host localhost     Database Port 3307
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The other fields (Connection Information and Virtuozzo Container ID) can be left unchanged.

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<ul> <li>Authentication</li> <li>Temporary Instance</li> <li>Data Directory</li> <li>Base Directory</li> <li>Restore Summary</li> </ul>	When restoring tables, we need to create a temporary MySQL instance on the target agent for the restore. These are the advanced options. The defaults should be used when possible. © Use Default Temp Directory © Specify an Alternate Temp Directory Temp Directory
	Specify a virtuozzo Container ID Virtuozzo Container ID
	<ul> <li>Use Default Connection Information</li> <li>Specify a Alternate Connection Information Database Host Ocalhost</li> <li>Database Port 3307</li> </ul>
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Select an option and click "Next" to proceed to the following step.



10. The following screen is "Data Directory." By default, database configuration retrieved during discovery is used. In some environments, this path doesn't point to the actual location on the

filesystem for the data. To remedy this, you can choose to specify the exact path for the data directory. This will ensure that we can locate the data files for the database during the restore.

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<ul> <li>Introduction</li> <li>Host</li> <li>Authentication</li> <li>Temporary Instance</li> <li>Data Directory</li> <li>Base Directory</li> <li>Restore Summary</li> </ul>	Data Directory         By default, we determine where on the filesystem the data is by read the database configuration retrieved during discovery         In some environments, this path doesn't point to the actual location the filesystem for the data.         To remedy this, you can choose to specify the exact path for the data directory. This will ensure that we can locate the data files for the database during the restore.         Image: Use Discovered Data Directory         C Specify a Data Directory to Use Data Directory	ding on
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Select an option and click "Next" to proceed to the following step.

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11. The next screen is "Base Directory". By default, the system automatically determines where on the filesystem the necessary program files are located. In some environments, the automatic method fails. To remedy this, you can specify the exact path for the base directory.

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<ul> <li>Introduction</li> <li>Host</li> <li>Authentication</li> <li>Temporary Instance</li> <li>Data Directory</li> <li>Base Directory</li> <li>Restore Summary</li> </ul>	Base Directory         By default, we attempt to automatically determine where on the filesystem the necessary program files are located.         In some environments, the automatic method fails and we are unable locate the files.         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.         Image: Comparison of the exact path for the base directory. This will ensure that we can locate the necessary files.         Image: Comparison of the exact path for the base directory. This will ensure that we can locate the necessary files.         Image: Comparison of the exact path for the base directory. This will ensure that we can locate the necessary files.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the base directory.         Image: Comparison of the exact path for the exact path fo	to
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Select an option and click "Next" to proceed to the following step.



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

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<ul> <li>Host</li> <li>Authentication</li> <li>Temporary Instance</li> <li>Data Directory</li> <li>Base Directory</li> <li>Restore Summary</li> </ul>	<ul> <li>Restoring to alternate agent         Agent         ubuntu1004x64         Database Host localhost         Database Port 3306         Using alternate credentials         Username         root         Password         ********         Using default temp directory         Using specified temporary instance connection         Database Host localhost         Database Port 3307         Using discovered data directory         Using discovered base directory         Using disco</li></ul>	
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13. Once you have verified that the specified setting are correct, click "Restore."

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14. The "Details for Database Restore" window will appear. It indicates that the restore process is launched. You can watch the progress in real time.

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<b>Running</b> Task is now running	🔔 Databases with Child Errors	0/1	
	🔀 Databases Failed	0/1	
Verbose Status:			