



# Protecting database backups on secondary or tertiary storage

SnapManager Oracle

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# Protecting database backups on secondary or tertiary storage

You can use SnapManager to protect the backup copies on secondary or tertiary storage systems.

1. Enter the following command: `smo backup create -profile profile_name {[-full {-online | -offline | -auto} [-retain {-hourly | -daily | -weekly | -monthly | -unlimited}] [-verify] | [-data [[-filesfiles [files]] | [-tablespaces-tablespaces [-tablespaces]] [-datalabellabel] {-online | -offline | -auto} [-retain {-hourly | [-daily | -weekly | -monthly | -unlimited]} [-verify] | [-archivelogs [-labellabel] [-commentcomment] [-snapvaultlabelSnapVault_label]] [-protect | -noprotect | -protectnow] [-backup-destpath1 [, [path2]]] [-exclude-destpath1 [, path2]]] [-prunelogs {-all | -untilSCNuntilSCN | -until-date yyyy-MM-dd:HH:mm:ss | -before {-months | -days | -weeks | -hours}} -prune -destprune_dest1, [prune_dest2]] [-taskspectaskspec]} [-dump] [-force] [-quiet | -verbose]`

If you want to...	Then do this...
<b>Create a backup of an online or offline database, rather than allowing SnapManager to manage whether it is online or offline</b>	Specify the <code>-offline</code> or <code>-online</code> option to create a backup of the offline database or online database. If you use the <code>-offline</code> or <code>-online</code> option, you cannot use the <code>-auto</code> option.
<b>Let SnapManager manage backing up a database, regardless of whether it is online or offline</b>	Specify the <code>-auto</code> option. If you use the <code>-auto</code> option, you cannot use the <code>-offline</code> or <code>-online</code> option.
<b>Add a comment about the backup</b>	Specify the <code>-comment</code> option, followed by the description string.
<b>Force the database into the state in which you have specified to back it up, regardless of the state it is currently in</b>	Specify the <code>-force</code> option.
<b>Verify the backup at the time of creation</b>	Specify the <code>-verify</code> option.

If you want to...	Then do this...
<p><b>Create a backup on secondary storage</b></p>	<p>Specify the <code>-protect</code> option.</p> <ul style="list-style-type: none"> <li>If you are using ONTAP and want to protect the backup immediately to the secondary storage, specify the <code>-protect</code> option.</li> </ul> <div style="border-left: 1px solid #ccc; padding-left: 10px; margin: 10px 0;">  The <code>-protectnow</code> option is not applicable in clustered Data ONTAP.     </div> <ul style="list-style-type: none"> <li>If you are using Data ONTAP operating in 7-Mode and want to protect the backup immediately to secondary storage overriding the Protection Manager protection schedule, specify the <code>-protectnow</code> option.</li> <li>To prevent the backup to secondary storage, specify the <code>-noprotect</code> option. If you are using ONTAP and you selected the <i>SnapManager_cDOT_Vault</i> protection policy while creating the profile, you must specify the <code>-snapvaultlabel</code> option. You must provide the SnapMirror label that you specified in the rules of the SnapMirror policy while setting up the SnapVault relationship as the value.</li> </ul>
<p><b>Specify the retention class values</b></p>	<p>Specify the <code>-retain</code> option and indicate whether the backup should be retained depending on one of the following retention classes:</p> <ul style="list-style-type: none"> <li><code>-hourly</code></li> <li><code>-daily</code></li> <li><code>-weekly</code></li> <li><code>-monthly</code></li> <li><code>-unlimited</code> If you do not specify the retention class, SnapManager uses <code>-hourly</code> by default.</li> </ul>

## Examples

The following command protects a database backup:

```
smo backup create -profile PAYDB -protect -retain -daily -full auto -label
full_bkup_sales
```

The following command immediately protects a database backup:

```
smo backup create -profile PAYDB -protectnow -retain -daily -full auto  
-label full_bkup_sales
```

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