



Database version support and configuration overview

SnapManager Oracle

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Database version support and configuration overview

You must know the different database versions and configurations supported with SnapManager. You must perform basic database layout and configuration setup to ensure successful operations.

SnapManager for Oracle integrates with Oracle versions 10gR2 (10.2.0.5), 11gR1, 11gR2 (11.2.0.1 and 11.2.0.2), , and 12c; with native Oracle technology such as Recovery Manager (RMAN); and across fibre channel (FC) and Internet Small Computer System Interface (iSCSI) protocols.



The Oracle Database 9i is not supported from SnapManager 3.2 and 10g R2 (earlier than 10.2.0.5) is not supported from SnapManager 3.3.1.

If you are deploying Oracle databases to be managed by SnapManager for Oracle, see the *SnapManager for Oracle Best Practices*.

[SnapManager for Oracle Best Practices: media.netapp.com/documents/tr-3761.pdf](http://media.netapp.com/documents/tr-3761.pdf)

General layout and configuration

You can find information about the recommended general database layouts and storage configurations to avoid issues related to disk groups, file types, and tablespaces.

- Do not include files from more than one type of SAN file system in your database.
All files making up a database must reside on the same type of file system.
- SnapManager requires a multiple of 4K block size.
- If you want to register SnapManager backups with Oracle Recovery Manager (RMAN), you must create RMAN-enabled profiles.

The following are some guidelines for volume separation:

- Data files for only one database must be in the volume.
- You must use separate volumes for each of the following file classifications: database binaries, data files, online redo log files, archived redo log files, and control files.
- You do not need to create a separate volume for temporary database files, because SnapManager does not back up temporary database files.

For more information, see the *SnapManager for Oracle Best Practices*.

Related information

[SnapManager for Oracle Best Practices: media.netapp.com/documents/tr-3761.pdf](http://media.netapp.com/documents/tr-3761.pdf)

Sample database volume layouts

You can refer to sample database volume layouts for help in configuring your database.

Single-instance databases

File types	Volume names	Dedicated volume for file types	Automatic Snapshot copies
Oracle binaries	orabin_host name	Yes	On
Data files	oradata_sid	Yes	Off
Temporary data files	oratempsid	Yes	Off
Control files	oracntrl01_sid (Multiplexed) oracntrl02_sid (Multiplexed)	Yes	Off
Redo logs	oralog01_sid (Multiplexed) oralog02_sid (Multiplexed)	Yes	Off
Archive logs	oraarch_sid	Yes	Off

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