



Creating repositories

SnapManager Oracle

NetApp
April 15, 2021

This PDF was generated from https://docs.netapp.com/us-en/snapmanager-oracle/windows/concept_how_to_organize_repositories.html on April 15, 2021. Always check docs.netapp.com for the latest.

Table of Contents

- Creating repositories 1
 - Creating a repository 1
 - How to organize repositories 2

Creating repositories

SnapManager requires a repository on a host to hold data about the operations you perform.

Ensure that the following tasks are completed:

1. Create an Oracle user and password in the repository database.
2. Authorize user access to the repository.

For a repository, SnapManager for Oracle requires a minimum 4K block size for the tablespace into which it is installed. You can check the block size using the following SQL command:

```
select a.username, a.default_tablespace, b.block_size
from dba_users a, dba_tablespaces b
a.username = repo_user
```

where

- a.default_tablespace = b.tablespace_name
- a.username = the user name on the repository

If you are upgrading repositories, you must reboot the SnapManager server to restart any associated schedules.

1. To create the repository, enter the repository create command, using the following general format: `smo repository create -repository -dbname repo_service_name -host repo_host -login -username repo_username -port repo_port-force] [-noprompt] [-quiet | -verbose]`

Where:

- -repository -dbname is the name of the repository database.
- -host is the name of the host for the repository.
- -username is the name of the database user who has access to the repository.
- -port is the port for the host. Other options for this command are as follows:

`[-force] [-noprompt]`

+

+ NOTE: If you have an existing repository with the same name and you use the -force option, all data within an existing repository schema will be overwritten.

Creating a repository

The following command line creates a repository.

```
smo repository create -repository -dbname HRDP
-host server1 -login -username admin -port 1521
```

How to organize repositories

You can organize the SnapManager repositories to meet your business needs. You can organize them in several ways, including by application type and usage.

You can organize repositories in several ways. Two such ways are as follows:

Type	Characteristics
By application	If you have multiple Oracle databases running different applications, you can create a SnapManager repository for every application type. Each SnapManager repository would have profiles for the databases of a particular application type. All production, development, and testing databases of that application type would be managed by the same SnapManager repository. This option would help group similar databases and ease cloning. However, if you have several application types, then you might have to manage several SnapManager repositories, and if you choose to implement another application type, you will need to create another SnapManager repository. Because these SnapManager repositories will be managing production databases, each of these repositories must be on a server with high availability, which can be expensive. Also, having to manage production databases along with development and test databases of the same type in the same SnapManager repository can be a security issue.
By usage	You can distribute the databases among the SnapManager repositories based on their usage (for example, production, development, testing, and training). This option limits the number of repositories to the different types of databases that you have. Because all production databases would be managed by a single SnapManager repository, only production database administrators can be given access to this repository. Also, if you choose to deploy another database for a new application type, then you only need to register the database in the corresponding SnapManager repository instead of creating a new repository. High availability can be provided only for the SnapManager repository that holds the profiles of all the production databases.

SnapManager for Oracle and SnapManager for SAP should not share the same repository. For SnapManager

for Oracle and SnapManager for SAP, you must use a different repository (a different Oracle database user) for each product if you have both in your environment. Using a different repository, either in the same or different databases, provides more flexibility by allowing independent upgrade cycles for each product.

Copyright Information

Copyright © 2021 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system- without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.