



What repositories are SnapManager Oracle

NetApp
January 29, 2021

Table of Contents

What repositories are 1

What repositories are

SnapManager organizes information into profiles, which are then associated with repositories. Profiles contain information about the database that is being managed, while the repository contains data about the operations that are performed on profiles.

The repository records when a backup took place, which files were backed up, and whether a clone was created from the backup. When database administrators restore a database or recover a portion of it, SnapManager queries the repository to determine what was backed up.

Because the repository stores the names of the database Snapshot copies created during backup operations, the repository database cannot exist in the same database and also cannot be a part of the same database that SnapManager is backing up. You must have at least two databases (the SnapManager repository database and the target database being managed by SnapManager) up and running when you execute SnapManager operations.

If you try to open the graphical user interface (GUI) when the repository database is down, the following error message is logged in the `sm_gui.log` file: [WARN]: SMO-01106: Error occurred while querying the repository: No more data to read from socket. Also, SnapManager operations fail when the repository database is down. For more information about the different error messages, see *Troubleshooting known issues*.

You can use any valid host name, service name, or user name to perform operations. For a repository to support SnapManager operations, the repository user name and service name must consist of only the following characters: alphabetic characters (A-Z), digits (0-9), minus sign (-), underscore (_), and period (.).

The repository port can be any valid port number and the repository host name can be any valid host name. The host name must consist of alphabetic characters (A-Z), digits (0-9), minus sign (-), and period (.), but not an underscore (_).

The repository must be created in an Oracle database. The database that SnapManager uses should be set up in accordance with Oracle procedures for database configuration.

A single repository can contain information about multiple profiles; however, each database is normally associated with only one profile. You can have multiple repositories, with each repository containing multiple profiles.

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.