



What user authentication is

SnapManager Oracle

Zachary Wambold
April 01, 2021

Table of Contents

What user authentication is 1

What user authentication is

SnapManager authenticates the user by using an operating system (OS) login on the host where the SnapManager server is running. You can enable user authentication either through password prompts on operations or by using the `smo credential` You can enable user authentication either through password prompts on operations or by using the `smo credential set` command.

User authentication requirements depend on where the operation is performed.

- If the SnapManager client is on the same server as the SnapManager host, you are authenticated by the OS credentials.

You are not prompted for a password because you are already logged in to the host where the SnapManager server is running.

- If the SnapManager client and the SnapManager server are on different hosts, SnapManager needs to authenticate you with both OS credentials.

SnapManager prompts you for passwords for any operation, if you have not saved your OS credentials in your SnapManager user credential cache. If you enter the `smo credential set -host` command, you save the OS credentials in your SnapManager credential cache file and so SnapManager does not prompt for the password for any operation.

If you are authenticated with the SnapManager server, you are considered the effective user. The effective user for any operation must be a valid user account on the host on which the operation is executed. For example, if you execute a clone operation, you should be able to log in to the destination host for the clone.



SnapManager for Oracle might fail in authorizing users created in Central Active Directory Services, such as LDAP and ADS. To ensure the authentication does not fail, you must set configurable `auth.disableServerAuthorization` to true.

As an effective user you can manage credentials in the following ways:

- Optionally, you can configure SnapManager to store user credentials in the SnapManager user credentials file.

By default, SnapManager does not store host credentials. You might want to change this, for example, if you have custom scripts that require access on a remote host. The remote clone operation is an example of a SnapManager operation that needs the login credentials of a user for a remote host. To have SnapManager remember user host login credentials in the SnapManager user credentials cache, set the `host.credentials.persist` property to true in the `smo.config` file.

- You can authorize user access to the repository.
- You can authorize user access to profiles.
- You can view all user credentials.
- You can clear a user's credentials for all resources (hosts, repositories, and profiles).
- You can delete credentials for individual resources (hosts, repositories, and 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.