



User accounts

HCI

Ann-Marie Grissino, Michael Wallis
November 09, 2020

This PDF was generated from https://docs.netapp.com/us-en/hci/docs/concept_cg_hci_accounts.html on November 21, 2020. Always check docs.netapp.com for the latest.

Table of Contents

- User accounts 1
 - User account management 1
 - Storage cluster administrator accounts 1
 - Authoritative user accounts 2
 - Volume accounts 2

User accounts

To access storage resources on your system, you'll need to set up user accounts.

User account management

User accounts are used to control access to the storage resources on a NetApp Element software-based network. At least one user account is required before a volume can be created.

When you create a volume, it is assigned to an account. If you have created a virtual volume, the account is the storage container.

Here are some additional considerations:

- The account contains the CHAP authentication required to access the volumes assigned to it.
- An account can have up to two thousand volumes assigned to it, but a volume can belong to only one account.
- User accounts can be managed from the NetApp Element Management extension point.

Using NetApp Hybrid Cloud Control, you can create and manage the following types of accounts:

- Administrator user accounts for the storage cluster
- Authoritative user accounts
- Volume accounts, specific only to the storage cluster on which they were created.

Storage cluster administrator accounts

There are two types of administrator accounts that can exist in a storage cluster running NetApp Element software:

- **Primary cluster administrator account:** This administrator account is created when the cluster is created. This account is the primary administrative account with the highest level of access to the cluster. This account is analogous to a root user in a Linux system. You can change the password for this administrator account.
- **Cluster administrator account:** You can give a cluster administrator account a limited range of administrative access to perform specific tasks within a cluster. The credentials assigned to each cluster administrator account are used to authenticate API and Element UI requests within the storage system.



A local (non-LDAP) cluster administrator account is required to access active nodes in a cluster via the per-node UI. Account credentials are not required to access a node that is not yet part of a cluster.

You can manage cluster administrator accounts by creating, deleting, and editing cluster administrator accounts, changing the cluster administrator password, and configuring LDAP settings to manage system access for users.

For details, see the [SolidFire and Element Documentation Center](#).

Authoritative user accounts

Authoritative user accounts can authenticate against any storage asset associated with the NetApp Hybrid Cloud Control instance of nodes and clusters. With this account, you can manage volumes, accounts, access groups, and more across all clusters.

Authoritative user accounts are managed from the top right menu User Management option in NetApp Hybrid Cloud Control.

The authoritative storage cluster is the storage cluster that NetApp Hybrid Cloud Control uses to authenticate users.

All users created on the authoritative storage cluster can log into the NetApp Hybrid Cloud Control. Users created on other storage clusters *cannot* log into Hybrid Cloud Control.

- If your management node only has one storage cluster, then it is the authoritative cluster.
- If your management node has two or more storage clusters, one of those clusters is assigned as the authoritative cluster and only users from that cluster can log into NetApp Hybrid Cloud Control.

While many NetApp Hybrid Cloud Control features work with multiple storage clusters, authentication and authorization have necessary limitations. The limitation around authentication and authorization is that users from the authoritative cluster can execute actions on other clusters tied to NetApp Hybrid Cloud Control even if they are not a user on the other storage clusters. Before proceeding with managing multiple storage clusters, you should ensure that users defined on the authoritative clusters are defined on all other storage clusters with the same permissions. You can manage users from NetApp Hybrid Cloud Control.

Volume accounts

Volume-specific accounts are specific only to the storage cluster on which they were created. These accounts enable you to set permissions on specific volumes across the network, but have no effect outside of those volumes.

Volume accounts are managed within the NetApp Hybrid Cloud Control Volumes table.

Find more information

- [Manage user accounts](#)

- [Learn about clusters](#)
- [SolidFire and Element Documentation Center](#)
- [NetApp HCI Resources page](#)
- [NetApp HCI Documentation Center](#)
- [SolidFire and Element Documentation Center](#)

Copyright Information

Copyright © 2020 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.