



DNS and timekeeping requirements

HCI

Michael Wallis
October 12, 2020

This PDF was generated from https://docs.netapp.com/us-en/hci/docs/hci_prereqs_timekeeping.html on November 13, 2020. Always check docs.netapp.com for the latest.

Table of Contents

DNS and timekeeping requirements 1

DNS and timekeeping requirements

Before deployment, you need to prepare Domain Name System (DNS) records for your NetApp HCI system and gather NTP server information. NetApp HCI requires a DNS server with the correct DNS entries and an NTP server for a successful deployment.

Make the following DNS and timeserver preparations before deploying NetApp HCI:

- Create any needed DNS entries for hosts (such as individual compute or storage nodes) and document how the host entries map to the respective IP addresses. During deployment, you will need to assign a prefix to your storage cluster that will be applied to each host; to avoid confusion, keep your DNS naming plans in mind when choosing a prefix.
- If you are deploying NetApp HCI with a new VMware vSphere installation using a fully qualified domain name, you must create one Pointer (PTR) record and one Address (A) record for vCenter Server on any DNS servers in use before deployment.
- If you are deploying NetApp HCI with a new vSphere installation using only IP addresses, you do not need to create new DNS records for vCenter.
- NetApp HCI requires a valid NTP server for timekeeping. You can use a publicly available time server if you do not have one in your environment.
- Ensure that all storage and compute node clocks are in sync with each other, and that the clocks of devices you use to log in to NetApp HCI are in sync with the NetApp HCI nodes.

Find more information

- [NetApp HCI Resources page](#)
- [NetApp HCI 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.