System requirements for installing OnCommand Workflow Automation

OnCommand Workflow Automation

NetApp
October 09, 2025

This PDF was generated from https://docs.netapp.com/us-en/workflow-automation/rhel-install/reference-ports-required-for-oncommand-workflow-automation.html on October 09, 2025. Always check docs.netapp.com for the latest.

Table of Contents

System requirements for installing OnCommand Workflow Automation 1
Hardware requirements for installing WFA 1
Software requirements for installing WFA 1
Ports required for Workflow Automation 2

System requirements for installing OnCommand Workflow Automation

You must be aware of the OnCommand Workflow Automation (WFA) hardware and software requirements before installing WFA.

Hardware requirements for installing WFA

The following table lists the minimum hardware requirements and the recommended hardware specifications for the WFA server.

Component	Minimum requirements	Recommended specifications
CPU	2.27 GHz or faster, 4 core, 64-bit	2.27 GHz or faster, 4 core, 64-bit
RAM	4 GB	8 GB
Free disk space	5 GB	20 GB

If you are installing WFA on a virtual machine (VM), you should reserve the required memory and CPU so that the VM has sufficient resources. The installer does not verify the CPU speed.

Software requirements for installing WFA

The following table lists all the operating system versions compatible with the WFA server.

Operating System	Version
Red Hat Enterprise Linux	7.0, 7.1, 7.2, 7.3, 7.4, 7.5 and 7.6 64-bit operating systems
CentOS	7.1, 7.2, 7.3, 7.4, 7.5, and 7.6 64-bit operating systems

WFA should be installed on dedicated physical machines or VMs. You must not install any other application on the server that runs WFA.

- One of the following supported browsers:
  - Mozilla Firefox
  - Microsoft Internet Explorer
  - Google Chrome
- Perl v5.x

  You can obtain information about the Perl modules that should be installed by using the `./WFA-version_number.bin -l` command.

For more details, see the Interoperability Matrix Tool.

Antivirus applications might prevent WFA services from starting.

To avoid this issue, configure antivirus scanning exclusions for the following WFA directories:

- The directory where you have installed WFA
- The directory where you have installed Perl
- The directory where you have installed OpenJDK
- The MySQL Data Directory

Related information

NetApp Interoperability Matrix Tool

Ports required for Workflow Automation

If you are using a firewall, you must be aware of the required ports for Workflow Automation (WFA).

The default port numbers are listed in this section. If you want to use a non-default port number, you must open that port for communication. For more details, see the documentation on your firewall.

The following table lists the default ports that should be open on the WFA server:

Port	Protocol	Direction	Purpose
80, 443	HTTP, HTTPS	Incoming	Opening WFA and logging in
80, 443, 22	HTTP, HTTPS, SSH	Outgoing	Command execution (ZAPI, PowerCLI)
445, 139, 389, 636	Microsoft-DS, NetBIOS-ssn, AD LDAP, AD LDAPS	Outgoing	Microsoft Active Directory LDAP authentication
161	SNMP	Outgoing	Sending SNMP messages on the status of workflows
3306	MySQL	Incoming	Caching read-only user
25	SMTP	Outgoing	Mail notification
80, 443, 25	HTTP, HTTPS, SMTP	Outgoing	Sending AutoSupport messages

Port	Protocol	Direction	Purpose
514	Syslog	Outgoing	Sending logs to a syslog server

The following table lists the default ports that should be open on the Unified Manager server:

Port	Protocol	Direction	Purpose
3306	MySQL	Incoming	Caching data from Active IQ Unified Manager 6.0 and later

The following table lists the default port that should be open on the VMware vCenter:

Port	Protocol	Direction	Purpose
443	HTTPS	Incoming	Caching data from VMware vCenter

The following table lists the default port that should be open on the SNMP host machine:

Port	Protocol	Direction	Purpose
162	SNMP	Incoming	Receiving SNMP messages on the status of workflows

Copyright information

Copyright © 2025 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.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

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.