VMware Virtualization

ONTAP What's New

NetApp
November 23, 2020

This PDF was generated from https://docs.netapp.com/us-en/ontap-whatsnew/ontap98fo_vmware_virtualization.html on November 23, 2020. Always check docs.netapp.com for the latest.

Table of Contents

VMware Virtualization 1

VMware Virtualization

VMware integration and support in ONTAP 9.8 gets a boost with a number of new features including FlexGroup datastore support. ONTAP 9.8 allows you to provision a FlexGroup volume as a VMware NFS datastore, simplifying datastore management with a single, scalable datastore that provides the power of a full ONTAP cluster. Many of these new features are coming with the ONTAP tools for VMware vSphere 9.8 release.

This means the following applies:

- Validated performance and placement
- Interop qualification
- Enhanced VAAI copy offload that is faster and completes in the background
- Virtual Storage Console support, including FlexGroup provisioning, resize and deletion, setting QoS on individual VMs, and displaying performance metrics (latency, IOPS, and throughput) for VMs
- NetApp SnapCenter primary storage backup and recovery support
- Support for a maximum of 64TB VMFS LUNs. With support for 128TB LUNs/300TB FlexVol volumes with the NetApp All-SAN Array, you can provision the maximum 64TB VMFS datastore using the Virtual Storage Console in the ONTAP tools for VMware vSphere 9.8 release.
- Increased Site Recovery Manager (SRM) scale. The Storage Replication Adapter in the ONTAP tools for VMware vSphere 9.8 release increases the scale of datastores and protection groups supported up to 512.
- VMware vSphere vVols file metrics with REST APIs. REST API support for vVols file metrics is added to ONTAP 9.8, which allows the Virtual Storage Console to display ONTAP storage performance metrics for vVols in the dashboard and reports.
- Storage Replication Adapter (SRA) support for SnapMirror Synchronous
- Support for VMware Tanzu storage
- Improved support for vVols, including an enhanced SAN vVol rebalancing command and enhancements to Storage Capability Profiles. For more information on the latest VMware virtualization support, see the following resources:
- Tech ONTAP Podcast Episode 263: Virtualization in ONTAP – Fall 2020
- TR-4597: VMware vSphere with ONTAP

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.