



# **Change Log**

## **NetApp Solutions**

NetApp  
September 14, 2022

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# NetApp Solutions Change Log

Recent changes to the NetApp Solutions collateral. The most recent changes are listed first.

## All Changes

Date	Solution Area	Description of change
09/14/2022	Hybrid Cloud	Added supplemental NFS datastore option for AWS / VMC
08/25/2022	Database	Added blog - Modernize your Oracle database operation in hybrid cloud with Amazon FSx storage
08/25/2022	AI	New solution: NVIDIA AI Enterprise with NetApp and VMware
08/23/2022	Hybrid Cloud	Updated the latest region availability for all supplemental NFS datastore options
08/05/2022	Virtualization	Added "Reboot Required" information for recommended ESXi and ONTAP settings
07/28/2022	Hybrid Cloud	Added DR solution with SnapCenter and Veeam for AWS/VMC (guest connected storage)
07/21/2022	Hybrid Cloud	Added DR solution with CVO and JetStream for AVS (guest connected storage)
06/29/2022	Database	Added WP-7357: Oracle Database Deployment on EC2/FSx Best Practices
06/16/2022	AI	Added NVIDIA DGX SuperPOD with NetApp design guide
06/10/2022	Hybrid Cloud	Added AVS with ANF native datastore overview and DR with JetStream
06/07/2022	Hybrid Cloud	Updated AVS region support to match public preview announcement / support
06/07/2022	Data Analytics	Added link to NetApp EF600 with Splunk Enterprise solution
06/02/2022	Hybrid Cloud	Added list of region availability for NFS datastores for NetApp Hybrid Multicloud with VMware
05/20/2022	AI	New BeeGFS Design and Deployment guides for SuperPOD
04/01/2022	Hybrid Cloud	Organized content of Hybrid Multicloud with VMware solutions: landing pages for each hyperscaler and inclusion of available solution (use case) content
03/29/2022	Containers	Added a new TR: DevOps with NetApp Astra
03/08/2022	Containers	Added a new video demo: Accelerate Software Development with Astra Control and NetApp FlexClone Technology
03/01/2022	Containers	Added new sections to NVA-1160: Installation of Astra Control Center via OperatorHub and Ansible
02/02/2022	General	Created landing pages to better organize content for AI and Modern Data Analytics

01/22/2022	AI	Added TR: Data movement with E-Series and BeeGFS for AI and analytics workflows
12/21/2021	General	Created landing pages to better organize content for Virtualization and Hybrid Multicloud with VMware
12/21/2021	Containers	Added a new video demo: Leverage NetApp Astra Control to Perform Post-mortem Analysis and Restore Your Application to NVA-1160
12/06/2021	Hybrid Cloud	Creation of Hybrid Multicloud with VMware content for virtualization environment and guest connected storage options
11/15/2021	Containers	Added a new video demo: Data Protection in CI/CD pipeline with Astra Control to NVA-1160
11/15/2021	Modern Data Analytics	New content: Best Practices for Confluent Kafka
11/02/2021	Automation	AWS Authentication Requirements for CVO and Connector Using NetApp Cloud Manager
10/29/2021	Modern Data Analytics	New content: TR-4657 - NetApp hybrid cloud data solutions: Spark and Hadoop
10/29/2021	Database	Automated Data Protection for Oracle Databases
10/26/2021	Database	Added blog section for enterprise applications and database to NetApp solutions tile. Added two blogs to Database blogs.
10/18/2021	Database	TR-4908 - Hybrid Cloud Database Solutions with SnapCenter
10/14/2021	Virtualization	Added parts 1-4 of NetApp with VMware VCF blog series
10/04/2021	Containers	Added a new video demo: Workload Migration using Astra Control Center to NVA-1160
09/23/2021	Data Migration	New content: NetApp Best Practices for NetApp XCP
09/21/2021	Virtualization	New content or ONTAP for VMware vSphere Administrators, VMware vSphere automation
09/09/2021	Containers	Added F5 BIG-IP load balancer integration with OpenShift to NVA-1160
08/05/2021	Containers	Added a new technology integration to NVA-1160 - NetApp Astra Control Center on Red Hat OpenShift
07/21/2021	Database	Automated Deployment of Oracle19c for ONTAP on NFS
07/02/2021	Database	TR-4897 - SQL Server on Azure NetApp Files: Real Deployment View
06/16/2021	Containers	Added a new video demo, Installing OpenShift Virtualization: Red Hat OpenShift with NetApp
06/16/2021	Containers	Added a new video demo, Deploying a Virtual Machine with OpenShift Virtualization: Red Hat OpenShift with NetApp

06/14/2021	Database	Added solution: Microsoft SQL Server on Azure NetApp Files
06/11/2021	Containers	Added a new video demo: Workload Migration using Astra Trident and SnapMirror to NVA-1160
06/09/2021	Containers	Added a new use-case to NVA-1160 - Advanced Cluster Management for Kubernetes on Red Hat OpenShift with NetApp
05/28/2021	Containers	Added a new use-case to NVA-1160 - OpenShift Virtualization with NetApp ONTAP
05/27/2021	Containers	Added a new use-case to NVA-1160- Multitenancy on OpenShift with NetApp ONTAP
05/26/2021	Containers	Added NVA-1160 - Red Hat OpenShift with NetApp
05/25/2021	Containers	Added blog: Installing NetApp Trident on Red Hat OpenShift – How to solve the Docker 'toomanyrequests' issue!
05/19/2021	General	Added link to FlexPod solutions
05/19/2021	AI	Converted AI Control Plane solution from PDF to HTML
05/17/2021	General	Added Solution Feedback tile to main page
05/11/2021	Database	Added automated deployment of Oracle 19c for ONTAP on NFS
05/10/2021	Virtualization	New video: How to use vVols with NetApp and VMware Tanzu Basic, part 3
05/06/2021	Oracle Database	Added link to Oracle 19c RAC Databases on FlexPod DataCenter with Cisco UCS and NetApp AFF A800 over FC
05/05/2021	Oracle Database	Added FlexPod Oracle NVA (1155) and Automation video
05/03/2021	Desktop Virtualization	Added link to FlexPod Desktop Virtualization solutions
04/30/2021	Virtualization	Video: How to use vVols with NetApp and VMware Tanzu Basic, part 2
04/26/2021	Containers	Added blog: Using VMware Tanzu with ONTAP to accelerate your Kubernetes journey
04/06/2021	General	Added "About this Repository"
03/31/2021	AI	Added TR-4886 - AI Inferencing at the Edge: NetApp ONTAP with Lenovo ThinkSystem Solution Design
03/29/2021	Modern Data Analytics	Added NVA-1157 - Apache Spark Workload with NetApp Storage Solution
03/23/2021	Virtualization	Video: How to use vVols with NetApp and VMware Tanzu Basic, part 1

03/09/2021	General	Added E-Series content; categorized AI content
03/04/2021	Automation	New content: getting started with NetApp solution automation
02/18/2021	Virtualization	Added TR-4597 - VMware vSphere for ONTAP
02/16/2021	AI	Added automated deployment steps for AI Edge Inferencing
02/03/2021	SAP	Added landing page for all SAP and SAP HANA content
02/01/2021	Desktop Virtualization	VDI with NetApp VDS, Added content for GPU nodes
01/06/2021	AI	New solution: NetApp ONTAP AI with NVIDIA DGX A100 Systems and Mellanox Spectrum Ethernet Switches (Design and Deployment)
12/22/2020	General	Initial release of NetApp Solutions repository

#### AI / Data Analytics

Date	Solution Area	Description of change
08/25/2022	AI	New solution: NVIDIA AI Enterprise with NetApp and VMware
06/16/2022	AI	Added NVIDIA DGX SuperPOD with NetApp design guide
06/07/2022	Data Analytics	Added link to NetApp EF600 with Splunk Enterprise solution
05/20/2022	AI	New BeeGFS Design and Deployment guides for SuperPOD
02/02/2022	General	Created landing pages to better organize content for AI and Modern Data Analytics
01/22/2022	AI	Added TR: Data movement with E-Series and BeeGFS for AI and analytics workflows
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03/31/2021	AI	Added TR-4886 - AI Inferencing at the Edge: NetApp ONTAP with Lenovo ThinkSystem Solution Design
03/29/2021	Modern Data Analytics	Added NVA-1157 - Apache Spark Workload with NetApp Storage Solution

02/16/2021	AI	Added automated deployment steps for AI Edge Inferencing
01/06/2021	AI	New solution: NetApp ONTAP AI with NVIDIA DGX A100 Systems and Mellanox Spectrum Ethernet Switches (Design and Deployment)

### Hybrid Multicloud

Date	Solution Area	Description of change
09/14/2022	Hybrid Cloud	Added supplemental NFS datastore option for AWS / VMC
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12/06/2021	Hybrid Cloud	Creation of Hybrid Multicloud with VMware content for virtualization environment and guest connected storage options

### Virtualization

Date	Solution Area	Description of change
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04/01/2022	Hybrid Cloud	Organized content of Hybrid Multicloud with VMware solutions: landing pages for each hyperscaler and inclusion of available solution (use case) content
12/21/2021	General	Created landing pages to better organize content for Virtualization and Hybrid Multicloud with VMware
10/14/2021	Virtualization	Added parts 1-4 of NetApp with VMware VCF blog series
09/21/2021	Virtualization	New content on ONTAP for VMware vSphere Administrators, VMware vSphere automation



05/10/2021	Virtualization	New video: How to use vVols with NetApp and VMware Tanzu Basic, part 3
05/03/2021	Desktop Virtualization	Added link to FlexPod Desktop Virtualization solutions
04/30/2021	Virtualization	Video: How to use vVols with NetApp and VMware Tanzu Basic, part 2
04/26/2021	Containers	Added blog: Using VMware Tanzu with ONTAP to accelerate your Kubernetes journey
03/23/2021	Virtualization	Video: How to use vVols with NetApp and VMware Tanzu Basic, part 1
02/18/2021	Virtualization	Added TR-4597 - VMware vSphere for ONTAP
02/01/2021	Desktop Virtualization	VDI with NetApp VDS, Added content for GPU nodes

## Containers

Date	Solution Area	Description of change
03/29/2022	Containers	Added a new TR: DevOps with NetApp Astra
03/08/2022	Containers	Added a new video demo: Accelerate Software Development with Astra Control and NetApp FlexClone Technology
03/01/2022	Containers	Added new sections to NVA-1160: Installation of Astra Control Center via OperatorHub and Ansible
12/21/2021	Containers	Added a new video demo: Leverage NetApp Astra Control to Perform Post-mortem Analysis and Restore Your Application to NVA-1160
11/15/2021	Containers	Added a new video demo: Data Protection in CI/CD pipeline with Astra Control to NVA-1160
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05/26/2021	Containers	Added NVA-1160 - Red Hat OpenShift with NetApp
05/25/2021	Containers	Added blog: Installing NetApp Trident on Red Hat OpenShift – How to solve the Docker ‘toomanyrequests’ issue!
05/10/2021	Virtualization	New video: How to use vVols with NetApp and VMware Tanzu Basic, part 3
04/30/2021	Virtualization	Video: How to use vVols with NetApp and VMware Tanzu Basic, part 2
04/26/2021	Containers	Added blog: Using VMware Tanzu with ONTAP to accelerate your Kubernetes journey
03/23/2021	Virtualization	Video: How to use vVols with NetApp and VMware Tanzu Basic, part 1

#### Enterprise Apps and DB

Date	Solution Area	Description of change
08/25/2022	Database	Added blog - Modernize your Oracle database operation in hybrid cloud with Amazon FSx storage
06/29/2022	Database	Added WP-7357: Oracle Database Deployment on EC2/FSx Best Practices
10/29/2021	Database	Automated Data Protection for Oracle Databases
10/26/2021	Database	Added blog section for enterprise applications and database to NetApp solutions tile. Added two blogs to Database blogs.
10/18/2021	Database	TR-4908 - Hybrid Cloud Database Solutions with SnapCenter
07/21/2021	Database	Automated Deployment of Oracle19c for ONTAP on NFS
07/02/2021	Database	TR-4897 - SQL Server on Azure NetApp Files: Real Deployment View
06/14/2021	Database	Added solution: Microsoft SQL Server on Azure NetApp Files
05/11/2021	Database	Added automated deployment of Oracle 19c for ONTAP on NFS
05/06/2021	Oracle Database	Added link to Oracle 19c RAC Databases on FlexPod DataCenter with Cisco UCS and NetApp AFF A800 over FC
05/05/2021	Oracle Database	Added FlexPod Oracle NVA (1155) and Automation video

02/03/2021	SAP	Added landing page for all SAP and SAP HANA content
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For more information on SAP and SAP HANA updates, refer to the "Update History" content present for each of the solutions in the [SAP Solutions Repository](#).

#### Data Protection and Data Migration

Date	Solution Area	Description of change
10/29/2021	Database	Automated Data Protection for Oracle Databases
09/23/2021	Data Migration	New content: NetApp Best Practices for NetApp XCP

#### Solution Automation

Date	Solution Area	Description of change
11/02/2021	Automation	AWS Authentication Requirements for CVO and Connector Using NetApp Cloud Manager
10/29/2021	Database	Automated Data Protection for Oracle Databases
07/21/2021	Database	Automated Deployment of Oracle19c for ONTAP on NFS
05/11/2021	Database	Added automated deployment of Oracle 19c for ONTAP on NFS
03/04/2021	Automation	New content: getting started with NetApp solution automation

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