



Real-world Customer Case Studies

NetApp Solutions

NetApp
March 04, 2025

This PDF was generated from https://docs.netapp.com/us-en/netapp-solutions/databases/customer_usecase_mssql_fsx1.html on March 04, 2025. Always check docs.netapp.com for the latest.

Table of Contents

- Real-world Customer Case Studies 1
 - Medical Products Firm Migrates On-prem SQL Workload to Amazon FSx ONTAP to Reduce Cost. 1
 - The Challenge 1
 - The Solution 2
 - The Outcome 2
 - Where to find additional information 2

Real-world Customer Case Studies

Medical Products Firm Migrates On-prem SQL Workload to Amazon FSx ONTAP to Reduce Cost

NetApp Solutions Engineering Team

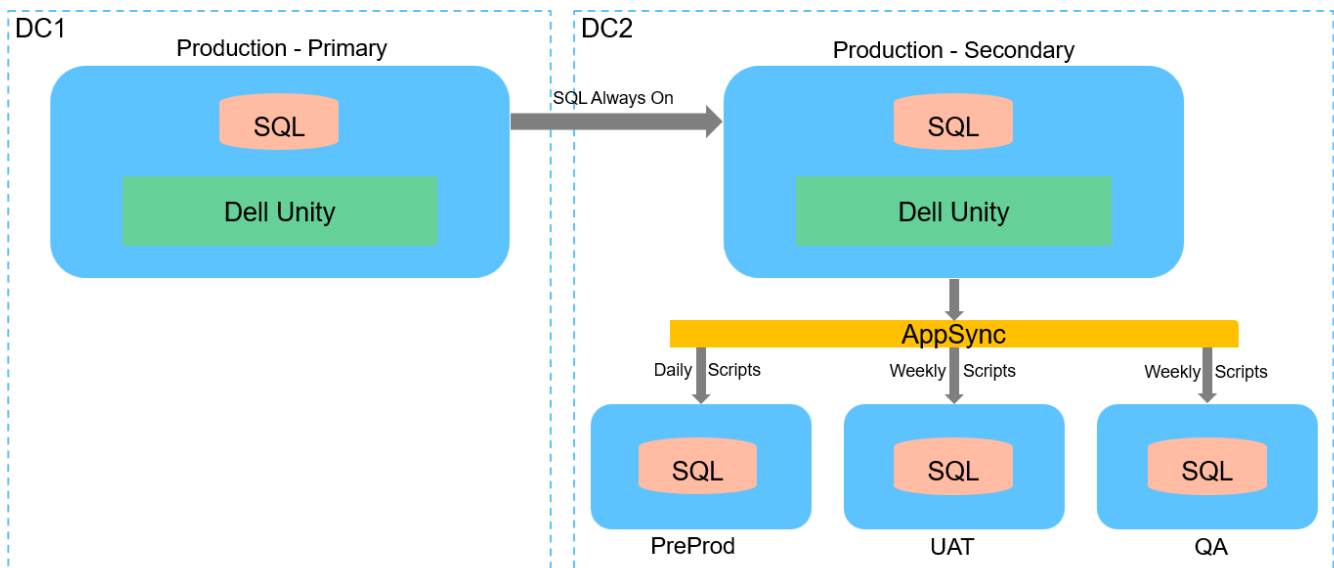
This real-world customer use case example illustrates the challenges, solutions, and outcomes of migrating SQL server workloads from on-premises to Amazon FSx ONTAP in order to reduce costs.

The Challenge

- The customer had been running SQL server workloads in a private data center hosted by a third party. The increasing hosting cost had become an issue.
- It lacked tribal knowledge of application architecture and existing infrastructure due to outsourcing and employee attrition.
- It had little to no experience in managing NetApp ONTAP.
- It's running against a tight schedule before a renewal decision on existing infrastructure.
- The SQL Server environment is large (100TB) and complex with HA between two data centers via SQL Always On. Three transient environments created off secondary data copy using AppSync and data refreshed Daily/Weekly. Dedicated data flag changes required via sql scripts after each refresh from production data.

Customer Existing SQL Server Environment – Before Migration

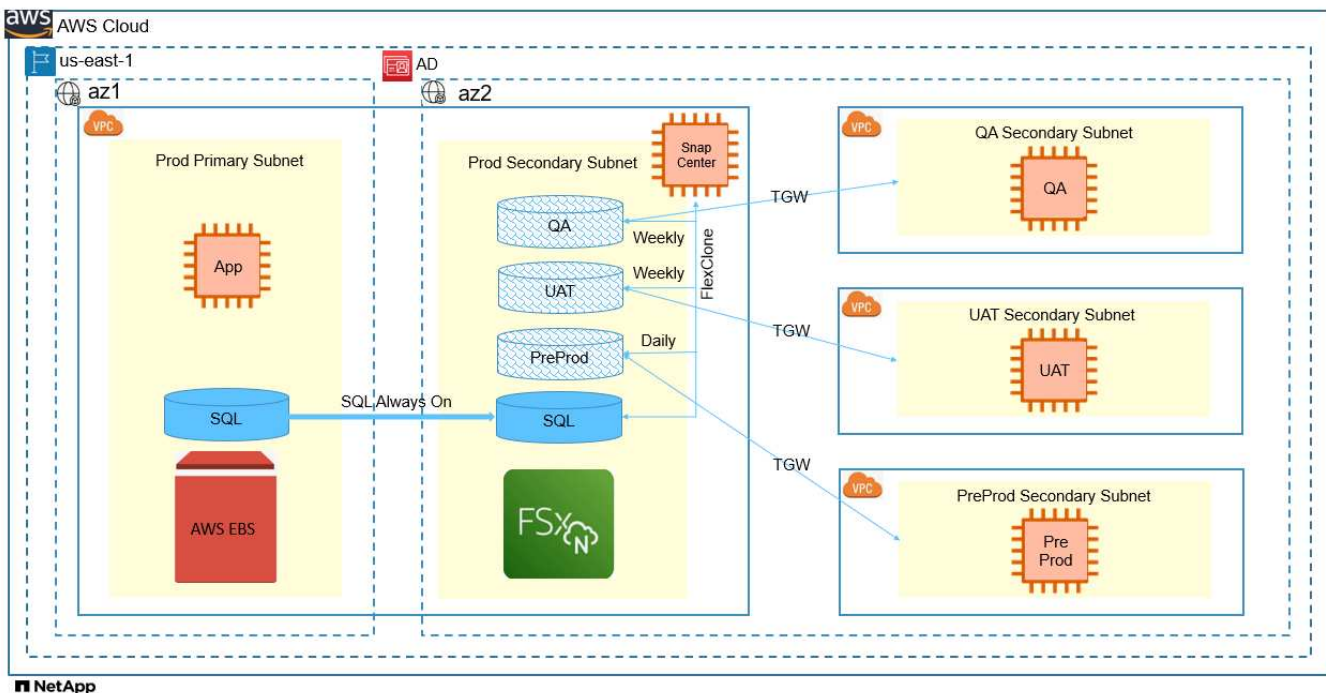
Private Data Center Hosted by 3rd Party



The Solution

- Migration from on-premises, hosted Dell Unity SAN and AppSync environment to AWS Amazon FSx ONTAP with NetApp SnapCenter.
- Amazon FSx ONTAP thin clone capability helps to reduce storage cost while fully automated SnapCenter clone lifecycle management meets all other transient environment requirements.
- Primary SQL Server DB deployed on AWS EBS and replicated secondary copy on Single-AZ Amazon FSx ONTAP.
- PoC proved that SnapCenter was suitable replacement for AppSync.
- Trusted and experienced partners for setup, migration, and ongoing support. Detailed solution implementation guides helped first-time and inexperienced Amazon FSx ONTAP and SnapCenter users.

Customer SQL Server Environment – After Migration to AWS



The Outcome

- 40% cost reduction compared to continue hosting on private data center.
- Fully managed Amazon FSx ONTAP service with SnapCenter to support 300 customers.
- Maintained ability to automate near instant, thin provisioned clones for PreProd, UAT, and QA environments.
- On-time migration, renewal cost avoidance, shift from an unhappy vendor relationship into rewarding experience in public cloud.
- SQL Server on Amazon FSx achieved additional layer of data redundancy while maintaining performance.
- Ability to easily enable cross-region DR in the future.

Where to find additional information

To learn more about the NetApp enterprise database solutions, review the following website [NetApp Enterprise](#)

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.