



NetApp Data Migration Services

Quickly migrate from a legacy environment to a modern platform—without risking your data or your business





Data Migration Is a Risky Process

Data is the new currency for business success, driving innovation and new revenue opportunities. A modern infrastructure is key to extracting the most value from your data, no matter where it resides—on premises or in the cloud.

However, data migration projects are notorious for budget and scheduling overruns. Migrating from an outdated legacy environment to a new storage platform that enables greater access, efficiency, and performance for your data can be a disruptive, complex, time-consuming, and risky process for your business, often creating roadblocks to IT transformation. Business, technical, and operational requirements can impose their own challenges to the transition process.



Gartner predicts that more than 50% of data migration projects will exceed budget and timeline and/or harm the business due to flawed strategy and execution.¹

1. <https://www.itconvergence.com/blog/data-migration-planning-and-best-practices/>

A Successful Migration Requires Planning and Preparation

At first, data migration may appear to be easy, giving many organizations unrealistic expectations of the time, expertise, effort, and resources it takes to execute a successful migration. This perceived simplicity often leads project managers to schedule data migration near the end of a larger overarching project rather than taking the time at the beginning to analyze and strategize with a full understanding of the implications that migration could have for the business. Lack of proper planning and preparation from the start can slow a migration, bring it to a halt, or result in failure.



Top Reasons Data Migrations Fail

- Lack of premigration planning
- Failure to clearly envision the postmigration environment
- Lack of a person with a specialized technical skillset to perform the migration
- Failure to correctly scope the required costs and time
- Incorrect backup for delayed schedule
- Insufficient project management skills specifically pertaining to migrations

To avoid wasted effort and a costly and disruptive data migration, every data migration plan should include these seven key tasks:



1. Analyze data complexity

Determine the types of data in the environment, identify dependencies, and define a migration pathway to get the data to the new storage system.



2. Set up data standards

Define a set of data standards to help smooth the migration and to proactively identify key risk factors.



3. Establish policies for data governance

Create standards and rules for maintaining data quality and keeping data safe during and after the migration.



4. Assess data quality

Identify data inconsistency, incompleteness, and duplication and prepare clean data for a successful migration.



5. Gather migration requirements

Establish which data will be moved, how that data will be used, who will use the data, and how the migration will affect the business and the way users work after the migration.



6. Identify the correct migration tools

Determine which migration tools are best suited for the environment and make sure that your team includes skilled experts to use them.



7. Test and validate

Carry out a full test of the migration process and validate that the security and integrity of the data were maintained.



Trust the Experts

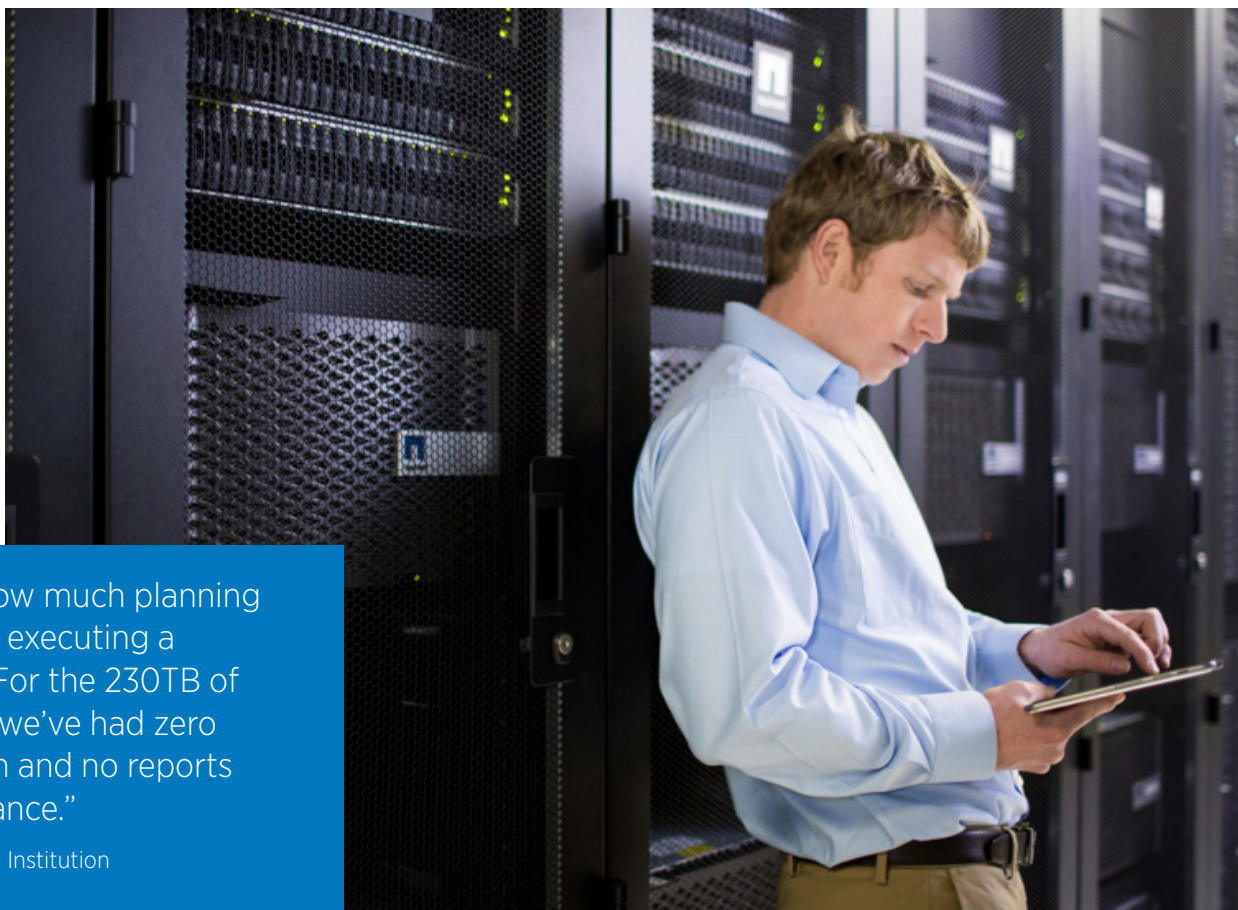
Engaging experts to help with a data migration can simplify and accelerate the process without putting your data or your business at risk. The experts who deliver NetApp® data migration services have you covered with a plan that aligns to your business requirements. Their expertise helps make sure that your migration is smooth and successful, and that it also delivers business value in terms of performance, security, and ROI.

Transition Quickly and Smoothly with NetApp Data Migration Services



95% faster

With the help of NetApp Professional Services, a leading automobile manufacturer was able to migrate 224TB of data from Oracle to NetApp in just 2 days, shaving months off the migration process.



“Never underestimate how much planning and preparation go into executing a migration of this scale. For the 230TB of raw data we’ve moved, we’ve had zero complaints of disruption and no reports of detrimental performance.”

—Storage Manager, Large Banking Institution

The Key to Success: A Proven Methodology

NetApp Professional Services has more than 20 years of experience in data migrations. Our experts follow a proven, six-step methodology. This repeatable approach to transition uses tools and processes that help reduce risk, accelerate execution, and enable success the first time. At the end of the engagement, you will have a fully configured, tested, and verified NetApp environment, with your data completely intact.





Move Your Business-Critical Data from Anywhere with Ease

NetApp has a depth of expertise in moving business-critical data from different industry solutions, including but not limited to:

- Dell EMC: Isilon, VMAX, VNX/Unity, XtremIO, SC Series
- HPE: 3PAR, Nimble
- Hitachi Vantara: VSP, HNAS, HCP
- IBM FlashSystem
- Pure Storage: FlashArray, FlashBlade

NetApp Professional Services experts are skilled in delivering smooth migrations with minimal disruption and zero data loss. To enable a successful migration, NetApp experts help determine the right migration path and the right migration tools for your specific project, including our own tools such as NetApp XCP and premium tools from third-party vendors.

Sample Migration Work Stream

EMC Isilon to NetApp

- Perform NetApp implementation and design based on source Isilon
- Integrate storage ecosystem and infrastructure (authentication providers, monitoring)
- Update disaster recovery procedure
- Provision new storage on NetApp cluster to validate operational capability
- Prepare end users and helpdesk to support change awareness (what and why)
- Establish NetApp SnapMirror® replication between sites
- Perform NetApp XCP copy jobs
- Perform NetApp FlexClone® end-user acceptance testing
- Migration testing—pilot cutovers
- Migration—production cutovers

Isilon to NetApp Work Stream in Action

A large U.S.-based financial institution migrated 80TB of data from EMC in just over 2 months, 80% faster than the customer thought possible.



80TB

of data moved
in just over
2 months



80%

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the customer
thought possible

Examples of Customer Outcomes

Here are a few examples of the results that some of our customers have experienced with NetApp Data Migration Services.

Global Oil and Gas Company

Migrated 5PB of data to NetApp with zero data loss and zero corruption. And the migration was completed 15 times faster than the customer estimated it would take their own internal team to do.



15X
faster



ZERO
data loss



ZERO
data corruption

Large U.S. Retailer

Migrated 400+ SAN hosts, 3,000+LUNs, 180TB of data (480+ file shares), and 300 million files to NetApp in just 4 months, with zero performance issues.



4
months to
migrate



0
performance
issues

Global Financial Services Provider

Migrated 5PB of data to FlexPod® with minimal business disruption and 10 days faster than proposed by the competitor for migrating to its own solution.



5PB
of data moved



10
days faster
than competitor

Large European Financial Institution

Migrated more than 406 million files and more than 10,500 shares to NetApp in just 10 weeks.



406M
files moved



10
weeks



Moving Beyond the Data Center and into the Cloud

The cloud is transforming business. It offers a quick solution to modernizing IT with the flexibility and cost efficiency that organizations require. For most companies, moving data and applications to the cloud is no longer simply an option, it's a mandate.

However, migration to the cloud is not as easy as it might seem. It's not uncommon for cloud migrations to take longer and cost more than expected, largely due to inexperience.

A successful migration to the cloud requires a lot of preparation and knowledge of cloud services and infrastructure. To avoid a failed migration, which happens more often than you might think, you need to understand which data and applications are well suited for the cloud and which are better left on the premises. You need to know which tools to use to safely move your data into the cloud and how to use them most effectively.

Rely on NetApp Experts to Get You There

NetApp Professional Services delivers the expertise, tools, and best practices to help you optimize the use of your key infrastructure resources and confidently and securely move business-critical workloads to the world's biggest public clouds—AWS, Azure, and Google Cloud.

With deep data migration expertise, our experts help you accelerate your cloud migration journey by:

- Defining environment requirements to reduce service disruptions during migration
- Assessing your compute and storage workloads to identify which workloads are best suited for public cloud computing
- Identifying the best public clouds to use for your compute and storage workloads to achieve the equivalent performance of on-premises storage services
- Optimizing current compute and storage workloads to ensure a more efficient migration and to deliver the ongoing capacity, performance, and cost effectiveness you expect in the cloud



Take the Risk Out of Data Migration

Moving from one platform to another is not an easy undertaking. Many organizations underestimate the complexity of a data migration, resulting in a project that runs over time and over budget. Without the right expertise, it can also result in unplanned downtime and data loss.

Engaging professionals to help with data migration simplifies and accelerates the process without putting your data or your business at risk.

With the NetApp Data Migration Service, our experts use a proven methodology, best practices, and tools to enable a fast, secure, successful migration the first time. Whether you're migrating to a new on-premises NetApp solution or to a public cloud solution, our experts have you covered. You get the expertise you need for a smooth migration with minimal risk and disruption.

Don't be among the 50% of business that fail at their data migration projects. Let NetApp Professional Services experts help put you in the winner's circle.

Next Steps

Learn more about data migration and how NetApp can help:

- [NetApp Data Migration Services datasheet](#)
- [Migrating Enterprise Workloads to the Cloud E-Book](#)
- [Data Migration for SAN Enterprise Apps E-Book](#)
- [Data Migration for SAN Enterprise Applications video](#)

When you're ready to get started with your own data migration, contact your NetApp sales representative.

About NetApp Services

Whether you're planning your next-generation data center, need specialized know-how for a major storage deployment, or want to optimize the operational efficiency of your existing infrastructure, NetApp Services and NetApp certified partners can help.

About NetApp

NetApp is the leader in cloud data services, empowering global organizations to change their world with data. Together with our partners, we are the only ones who can help you build your unique data fabric. Simplify hybrid multicloud and securely deliver the right data, services and applications to the right people at the right time. Learn more at www.netapp.com