

BUYER'S GUIDE

# Let your SAP applications shine

Choosing the right infrastructure –  
on-premises and in the cloud

 **NetApp**





# Contents

- 1. The road to stardom 2 →
- 2. How do you choose the right solution for your SAP environment? 3 →
- 3. How will the solution be deployed? 4 →
- 4. Will the solution help stimulate innovation? 5 →
- 5. Will the solution deliver a consistent customer experience? 6 →
- 6. Will the solution simplify operations and lower TCO? 7 →
- 7. An Iconic Duo: SAP and NetApp 8 →
- 8. Your SAP, your way. 9 →
- 9. Move data seamlessly – wherever it lives 10 →
- 10. Accelerate time to value 11 →
- 11. Simplify your environment with actionable intelligence 12 →
- 12. That's a wrap! 13 →

# The road to stardom

Your SAP environment is the heart of your business. Like any good director, it's always there, managing your data and helping your applications get their roles just right. But a disjointed set can topple even the strongest director's chair, stopping your applications from delivering their best lines. Do these common production delays sound familiar?

- Slow overall performance that can't keep up with ever-growing SAP applications
- Time-consuming test/dev cycles due to long resource provisioning and database cloning time
- Increased risk of downtime and security breaches
- Higher costs for power, cooling, and space
- More management and maintenance complexity

A modern infrastructure can give your SAP applications the freedom to deliver an award-winning performance. Unmatched speed, seamless integration, and glamorous operational efficiency. We can't guarantee any awards, but we can set up your infrastructure to make your applications shine.



# How do you choose the right solution for your SAP environment?

So, how do you choose the right solution to modernize your SAP environment? You don't need CGI or tricky lighting.



**You just need to answer these four questions:**

- 1** How will the solution be deployed?
- 2** Will the solution help stimulate innovation?
- 3** Will the solution deliver a consistent customer experience?
- 4** Will the solution simplify operations and lower TCO?



# How will the solution be deployed?

First, you need to decide how your solution will be deployed. On premises? In the cloud? Or both?



## On premises

By keeping SAP applications inside the data center, you can maximize:

**Performance | Control | Data Protection**



## Cloud

The cloud gives you an easy way to modernize your SAP applications without the capital expenditure (capex) investments and management skills needed for on-premises solutions:

**Cost efficiency | Scalability | Easy deployment & provisioning**



## Hybrid cloud

Hybrid cloud solutions provide the performance and control of on-premises solutions with the ease and flexibility of the cloud:

**Agility | Scalability | Control**



# Move to the cloud at your own pace

While many organizations are looking to the cloud, most will need to have a balanced approach with hybrid capabilities. Getting to the cloud is often a measured process, starting by dipping your toes in with nonproduction use cases that are suited for the cloud. Rather than diving into cloud headfirst, you'll incorporate cloud into your on-premises landscape.

By modernizing your on-premises infrastructure and building your own data fabric, you can maintain complete control over your SAP data, while allowing for easy cloud migration when you're ready. And if you change your mind in the future, you can change clouds.

- Bring the simplicity and flexibility of cloud to the enterprise data center
- Bring enterprise data services to the cloud



# Will the solution help stimulate innovation?

They say art can't be rushed, but to beat the competition, sometimes there's no substitute for being the fastest. That means getting more projects done faster and accelerating time to market. To do it better than your competitors, you need an agile SAP environment that will stimulate innovation – not stifle it.

So, what do you look for? Make sure your solution delivers these key features and capabilities:

- ✓ Built-in automation
- ✓ Thin-cloning technology
- ✓ Ability to scale up or out smoothly
- ✓ Access to data across your entire IT infrastructure
- ✓ Enabling changes/improvement in process

# Why it matters

By including these key features and capabilities in your solution, you can:



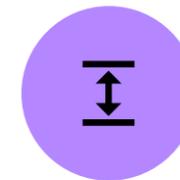
Deploy new projects faster

**Built-in automation** enables faster deployment of your SAP projects with less risk of human error. System provisioning and prototyping that typically takes days to complete are done in just minutes with one-touch automation..



Shorten development cycles

**Thin-cloning technology** lets you clone the largest volume in just seconds, instead of hours or days. If a test corrupts the data, you can start again almost identically.



Scale seamlessly, without limits

**Scale up or out smoothly.** Grow as your business needs dictate – without disruption or downtime, and without migrating data or changing operating systems. Remove bottlenecks for projects and keep the innovation flowing.



Make better-informed decisions

**Access data across your entire IT infrastructure.** Know what's going on across your business – on-premises and in the cloud. These insights can help you make better-informed decisions.

# Will the solution deliver a consistent customer experience?

Have you ever immediately lost interest in a movie while waiting for it to buffer? Audiences don't have time to wait – and neither do your customers. Always-on performance and availability are must-haves for any modern SAP environment.

So, what do you look for? Make sure your solution delivers these key features and capabilities:

- ✓ All-flash storage system
- ✓ Proactive monitoring and predictive analytics
- ✓ Ability to absorb multiple concurrent faults
- ✓ Automatic recovery
- ✓ Nondisruptive software updates and hardware maintenance
- ✓ Seamless storage services spanning on-premises and cloud

## Why it matters

By including these key features and capabilities in your solution, you can:



Deliver fast, consistent application response times

**All-flash storage systems** can cut application response times in half, so you can easily support peak demand. **Proactive monitoring** and predictive analytics help avoid bottlenecks so that you can deal with issues proactively.



Maximize availability

**Absorb multiple concurrent faults** without affecting performance. **Automatically recover** in minutes if a drive or node fails. Deliver **nondisruptive software updates and hardware maintenance**.



Enable 24/7 operations

Make sure your solution has a **viable disaster recovery plan** in place. Ideally, you'll be able to test your plan without interruption.



Protect data wherever it lives

**Integrated, automated data protection** safeguards data across edge, core, and cloud resources.

# Will the solution simplify operations and lower TCO?

SAP environments can be tricky. You've invested so much in this production and suddenly...your budget keeps creeping higher and higher. Simplifying management and maintenance of your SAP environment can help you save money and time. You need solutions that will simplify your operations and reduce TCO. And as your needs change, you need the flexibility and scalability to deploy and consume IT resources.

So, what do you look for? Make sure your solution delivers these key features and capabilities:

- A cloud-like consumption model for on-premises environments
- Payment, subscription, and usage-based service options
- Unified architecture with built-in automation
- Integrated data protection
- Native cloud integration
- Fully tested and proven solution
- Automated capacity monitoring and proactive issue monitoring
- Tools to help understand consumption and cost
- Data deduplication and compression

## Why it matters

By including these key features and capabilities in your solution, you can:



Reduce management complexity

**A unified architecture, built-in automation, and integrated data protection** can simplify management and enable easy data mobility across on-premises and cloud resources. **Native integration** with all the major cloud service providers makes getting to the cloud easy.



Eliminate guesswork

**Fully tested and proven solutions** operate seamlessly with SAP. **Automated capacity monitoring and proactive issue monitoring** take the guesswork out of purchasing storage and troubleshooting issues.



Lower TCO

**Quality of service (QoS)**, tools to help understand consumption and cost, and storage efficiency technologies such as **data deduplication** and data compression help keep data center costs under control.

# An iconic duo: NetApp and SAP

Ginger and Fred. Kate and Leo. NetApp and SAP. The best duos stand the test of time, working together to create magic, over and over again.

When SAP needed a partner to help build HANA Enterprise Cloud, they chose their trusted co-innovator of over 20 years: NetApp. For more than two decades, we've been working in an ever-deepening partnership to help you deliver projects faster, more efficiently, and with less risk.

## Why NetApp and SAP are better together:



Deploy anywhere, without compromise



Access data when and where it's needed



Deliver projects up to 30% faster



Streamline operations and reduce costs

**“NetApp is our trusted partner. They deliver; they are a key to delivering a robust infrastructure-as-a-service environment, which is the backbone of any software that runs on top of it.”**

Lalit Patil, CTO  
SAP Enterprise Cloud  
[Get the full story](#)

## Your SAP, your way.

When NetApp and SAP team up, you can set up your SAP environment the way you want to:



On-premises, with cloud efficiencies and data protection in your choice of cloud(s)



Natively integrated in your choice of cloud(s), so you can skip refactoring and simply move to the cloud



No vendor lock-in, so you can move to the cloud at your own pace with true hybrid cloud solutions

“NetApp’s Data Fabric offers a consistent enterprise data management layer across private, hybrid, and multiple public cloud environments. Of particular interest to prospective HANA users is the ability to migrate and synchronize data for SAP transitions, as well as to manage data throughout the Data Fabric, whether on private or public clouds, with extensible orchestration tools.

As a result, a Data Fabric delivered by NetApp helps SAP customers run applications wherever they want. Perhaps even more importantly, customers retain the ability to change their deployment options, without needing to change storage vendors or lose enterprise features.”

Evaluator Group, Inc.  
[Get the full story](#)

# Move data seamlessly – wherever it lives

Move your cast and crew to the next location with a solution that:

-  Builds an ideal cloud foundation for accelerating workloads and analytics
-  Provides flexibility to move data and resources where they run best, from the data center to the edge and the cloud
-  Is always on, with proven 99.9999% availability for nondisruptive operations and zero downtime
-  Scales without requiring migration or change of operating system; NetApp ONTAP systems can handle a variety of workload types – from transactional to analytical, or a mix or both
-  Provides 24/7 operations with seamless, integrated data protection powered by NetApp Snapshot and SnapMirror replication technologies

“With NetApp, data is always where you need it, and you can move it around media, nodes, and sites with a few mouse clicks. I think this is a great concept. We use it today in a two-data-center scenario. However, the solution enables us to expand our business literally to anywhere on the globe – with full control over data, ease of management, and nonstop operations.”

David Bevc, head of cloud solutions  
Unistar LC  
[Get the full story](#)

# Accelerate time to value

Fast track your production with a solution that:



Speeds time to production with near instantaneous system copies and system refreshes, so you can bring applications to market up to 40% faster



Slashes wait times: system refreshes in hours (not days or weeks), system copies in minutes, backups in seconds



Accelerates processes on-premises and in the cloud – provision shared file volumes in less than 8 seconds



Delivers 1 million IOPS and latency of about 100 microseconds



Provides up to 90% savings in time and effort through unified management and automation features



Fully integrates with SAP tools and solutions

“We advise our customers based on our experience and knowledge, and we are convinced that we will need the NetApp software in order to reach [our goals]...We have worked with NetApp for such a long time that we have gotten used to the simplicity that NetApp offers when it comes to online volume expansion or using Snapshot/SnapMirror – we are basically taking it for granted.”

Han Schuitemaker, Technology Architect  
myBrand  
[Get the full story](#)

# Simplify your environment with actionable intelligence

Slim down your set with a solution that:

-  Mitigates risk by monitoring and predicting capacity based on global analytics
-  Prevents problems and exposes risk factors through predictive self-healing
-  Monitors resources so you can reclaim wasted capacity and right-size compute/data volumes
-  Uses secondary data copies on-premises or in the cloud for dev/test or analytics and reporting
-  Enables access to data across the entire IT infrastructure with a data fabric that spans from edge to core to cloud

“Now, everyone in the business is using SAP and there is one source of truth. We can trust our data, because it is coming through one platform in real time [...] NetApp storage efficiencies have enabled us to realize performance and availability improvements, while delivering a 75% reduction in data center footprint.”

Michael Westenberg, General Manager – Technology and Performance  
TasNetworks  
[Get the full story](#)

# That's a wrap!

With a stellar hybrid cloud infrastructure, your SAP applications can get out of their trailers and in front of the camera. And with NetApp, you can create a data fabric that enables you to meet business demands and dominate the box office, now and in the future. We can't give you an Academy Award. But we can help you deliver award-worthy SAP performance. (Red carpet not included.)

## Learn more about NetApp solutions for SAP:

- [Accelerate projects, simplify operations, and future-proof IT with NetApp solutions for SAP](#)
- [Calculate your potential SAP savings](#)
- [Evaluator Group Report: Considering the move to SAP HANA – An enterprise storage impact analysis](#)
- [Optimize SAP in the cloud](#)
- [The secret sauce to SAP HANA success](#)



**Talk to an SAP specialist**



## About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services, and applications to the right people—anytime, anywhere.

To learn more, visit [www.netapp.com](http://www.netapp.com)



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