



SAP on Azure with Fujitsu

Future-proofing SAP
in the cloud – now

Essential advice for moving
your on-premise systems





Get migration-ready

From sales to operations, and from financials to supply chain. Your SAP systems are the backbone of your business. But it's natural to expect and even desire change and value from such business-critical technology. As such, you might be at the stage where you're thinking about moving your on-premise systems to the cloud.

Do so, and you can transform the way your business operates. Become more efficient and lower costs. Improve your performance and innovate faster. And protect the future of your organization. Read on to learn about the short- and long-term benefits of modernizing SAP in the cloud. Learn what to look out for when choosing cloud and implementation partners to accelerate, simplify, and modernize your journey to the cloud, and how to get started.

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Understand the benefits now, reap the rewards sooner.

Many businesses initially consider moving their SAP systems to the cloud because of the growing challenges associated with managing them on-premise and the desire to digitize their business. While on-premise is an effective solution, the cloud can provide a wider range of benefits, both now and in the future.

Of course, we live – and work – in a world of changing priorities and turbulent economic times. So, while your initial aims might be to become more resilient, get ready to adapt, and thrive in future markets, now is the time to consider changing to a more agile platform. An agile platform that allows you to evaluate new customer requirements and to set your sights on different goals in the future. Whatever's important for your business, beginning your migration today can benefit you massively in the short- and long-term.

Explore the challenges associated with on-premise, along with the benefits of moving to the cloud, in the 'areas of opportunity' below.

The smartest first step

Want to move to the cloud? First, you need a good understanding of your existing SAP application. This includes the underlying infrastructure of your application workload, the dependencies, and the IT resources your application is consuming. You can gain all this from a full, expert-led assessment.



Area of opportunity #1

Efficient processes

Traditional models to cloud-based platforms.

Manual tasks can become expensive, while slowing down functions across your business.

The in-the-cloud benefits

- > **Efficiency**
A move to the cloud will remove or reduce how much you rely on manual actions. In the short term, this will drive efficiency and help you manage costs. In the long term, you'll benefit from far more effective processes.
- > **Agility**
The cloud allows for rapid provision of applications as a service. In the short term, you can adapt quickly. And in the long term, you avoid technical and budgeting restrictions.
- > **Simplicity**
Want everything in one place? Streamline your SAP estate in the cloud. Bringing your legacy apps and wider application estate onto the public cloud will give you a complete, end-to-end view. And bringing together everything from infrastructure (IaaS), platforms (PaaS), and software (SaaS) will support your evolving needs.

How they accelerated forward

Learn how Toyo Gosei boosted overall system performance by 10x. In addition to strengthening disaster-response measures by being able to make quick backups of the entire system.

[Learn more](#)

Area of opportunity #2

Game-changing insights

Traditional models to cloud-based platforms.

If your data lives in silos, moves slowly, and is not properly combined with non-SAP data, it's harder to make the right decisions.

The in-the-cloud benefits

> **Speed and time to market**

Having all your data in the cloud will dramatically increase how fast you can respond to market trends and competition. This can help improve service levels and enable your enterprise to develop, operate, and set up new business models quickly.

> **Operational efficiency**

Instead of planning months ahead with predicted data, you can plan with real-time data when it's in the cloud. You can also improve processes across the business which means you can run your business predictably and safely.

> **Customer experience**

When you bring all your data together and analyze it intelligently, you can gain real, actionable insights. In the short term, this will allow you to respond to changes rapidly – and accurately. In the long term, it can help you understand your customers better. Which can help you improve their experience and differentiate your service.

How they changed their game

See how AdvanSix built an ERP system that can scale effortlessly and make everyone more productive. All while cutting costs by 10%, by moving from a traditional data center.

[Learn more](#)

Area of opportunity #3

Faster innovation

Traditional models to cloud-based platforms.

Taking too long to see value from innovation? That could be down to the time it takes to experiment, tear down, and set up IT infrastructure.

The in-the-cloud benefits

> Speed of innovation

Thanks to enhanced applications and slicker processes, you can innovate faster. This means you can align your efforts with the most pressing, short-term priorities. And push ahead with new solutions when the time's right. The cloud also makes it easier to exploit emerging technologies.

> Readiness for the future

Cloud-based SAP systems are agile and scalable. Which is just what you need to respond to short-term requirements – whatever they are and whenever they occur. In the long run, you'll need to be in the cloud if you intend to move to SAP S/4HANA before the 2027 deadline.

> Rapid responsiveness

Cloud-based SAP systems give you access to systems and data from various devices through multiple interfaces, on demand. So, whether it's a new process, service, solution or time-critical idea that needs fast decision-making, you've got speed on your side.

How they faced the future

Discover how Hagihara Industries created a future-orientated system infrastructure. While lowering running costs, data backup costs, and backup-to-recovery lead time.

[Learn more](#)



Top considerations from Microsoft and Fujitsu

Four challenges to keep front of mind when taking SAP to the cloud, based on an Azure migration.



Assessing your SAP environment

Your smartest first step is to carry out an assessment of your current environment. Our experts can guide you through the process – and the key things you need to think about are:

- > **Understand the complexity of your SAP workloads**
This includes underlying infrastructures. Sizes of each workload and related databases (velocity, volume, and variety). And requirements for seasonal elasticity.
- > **Remove clutter**
The cost of carrying around dead weight on the cloud adds up fast.
- > **Account for Virtual Machines (VMs)**
Failure to allocate enough resources can result in weekly system increases.
- > **Determine an Azure region strategy**
Azure regions have global reach. Make sure your resources are hosted in the region or regions that provide the best connectivity.

2

Migrating SAP to the cloud

Determine which migration strategies can be best applied to your environment. Understanding what to move and when is key for migrating to Microsoft Azure.

There are a number of different paths you might take to migrate SAP to the Azure Cloud. You may recognize your business as either Brownfield, BLUEFIELD™, or Greenfield environment, or a combination. That's the difference between:

- > **Lift and shift**
Taking your SAP applications over as-is onto the Azure Cloud.
- > **Lift and migrate to cloud**
Taking your SAP applications over as-is. Then transforming on the platform and upgrading to S/4HANA.
- > **Lift and shift/migrate to cloud and migrate part to HANA**
Taking SAP applications over to the cloud, migrating over some configurations but not the entire estate.
- > **Transformation to S/4HANA and cloud**
Building a new S/4HANA environment on Azure Cloud, migrating and populating the new field with data only.

The one you choose will depend on where you are currently in the S/4HANA cloud journey and what your business needs. Explore the routes, then take a look at the considerations.

Journey to SAP HANA and cloud

- **Consider a vertical strategy for moving low-risk systems.** Low-risk, end-to-end systems let you test your strategy and gain experience with a production environment in Azure.
- **Benefit from building low-business-impact systems.** Consider doing this from the start. This could lower costs and help you learn about production environments.
- **Consider the right time to move to highly critical systems.** Schedule your move to avoid big events like product releases, financial reporting, and projects that are going live.



3

Optimizing SAP applications

How to make the most of your SAP applications in the cloud should be one of your top considerations. Again, talking with our experts can help you understand the smartest options. In the meantime, you should make sure the following is front of mind:

- > **Azure technology and available VMs are always advancing**
Achieve the best possible benefits for your business by staying up to date with new capabilities.
- > **Don't waste time on systems and data you don't need**
Make sure retired systems aren't migrated. That your infrastructure inventory is accurate. And your disaster recovery plan is tested and in place.
- > **Design for high availability in your production systems**
Use Windows Server Failover Clustering, SQL Server Always On, and SAP features like logon groups, remote function call groups, and batch server groups.
- > **Take advantage of quiet periods**
Lower costs by limiting Azure usage to times when teams are out of the office. Think nights and weekends.

4

Managing SAP in the cloud, safely

Protecting critical SAP systems and business data needs to remain a top priority as you evolve. Here are the top issues to remain aware of:

- > **Be clear on public cloud compliance**
Consider all of the compliance and data security aspects of hosting data in the public cloud.
- > **Balance security needs with troubleshooting**
In a cluster installation, it's best practice to only open the ports you need. While a somewhat open environment can help with troubleshooting, a too-open environment can be unsafe.
- > **Capture all legal requirements from the start**
Data safety and security can be complicated. So, work with the stakeholders and data owners for each application to capture all corporate and legal compliance needs.



Why Microsoft Azure?

How Azure can help you achieve your goals

Microsoft Azure is uniquely positioned for SAP workloads. It can support large, enterprise-class SAP HANA workloads. Deliver global reach with compliant, high-performance services. And allow you to create innovative new solutions faster, with ground-breaking services. What's more, the built-in threat prevention makes it more secure than on-premise security. Here's a rundown of the key features and benefits.

See beneath the surface

An SAP on Azure Assessment can help you evaluate how ready you are to migrate your workloads. It analyzes your related IT infrastructure, while considering your current deployment, applications, usage, processes, and data. When you have all this, can you develop an effective strategy for migration.

SAP-readiness

Azure's VMs scale up to 11.4TiB, and large instances up to 24TB. Both are SAP HANA-certified, and provide the performance SAP requires. Azure is SAP's preferred cloud provider for customers moving to the cloud.

Privacy

Microsoft spends more than \$1 billion a year on cloud security. With more than 85 compliance certifications, it has the most compliance offerings of any public cloud provider.

Reliability

You can rely on the highest industry uptime Service Level Agreements, with 99.99% uptime SLAs for OLAP and OLTP. This includes integrated disaster recovery as part of all service packages, plus options for easy, economical storage.

Analytics

By aggregating SAP and non-SAP data, you can gain a 360° view of markets, transactions, and customers.

Capacity

With the largest SAP-certified scalability on public cloud (up to 60 TB), Azure offers the most headroom of any cloud provider.

Global presence

Get high-speed connectivity in 60+ regions. Availability in 140 countries. And more than 1,500 peering points for express routing.

Azure in numbers

20+ years

Microsoft partnering and innovating with SAP.

90+ compliance offerings

More than any other cloud provider.

60 regions

More than any other cloud provider.

30gbps VM to VM

World's fastest bandwidth in the public cloud.

50TB data migration

When Microsoft migrated its own systems to Azure.

99.99%

The most VM availability, plus S/4HANA and multi-region support.

Why Fujitsu?

The right partner for a quick and safe SAP migration.

Like with any cloud migration, moving your SAP workloads requires thoughtful preparation and strategy. Because of this, it's important to put your modernization in the safest hands – which is where Fujitsu comes in.

When looking for the right partner to assist with implementation, you're likely to consider the following questions:

- > Do they have the right credentials?
- > Do they have the right approach?
- > Will they understand and be able to give me what I really need?

Credentials

Whatever the scale of your SAP transformation, Fujitsu has the global footprint, expertise, resources, and tools to deliver it. As an SAP-certified and Microsoft Gold Partner, your migration will be in safe hands with us.

We've worked closely with Microsoft and SAP for over 30 years, implementing and managing some of the largest deployments around. In fact, our team is currently responsible for over 3,000 SAP systems and 800,000 users. All of which means you'll get best-in-class IT from the best in the business.

Having the right blend of credentials, processes, references and skills is important to the team behind Microsoft Azure too. Which is why they awarded us a Global Microsoft Expert Managed Service Provider (MSP) certification and an advanced specialization partner for SAP on Azure.

Certified
Microsoft Expert
Managed Service
Provider (MSP)

Industry-leading,
managed services
for Azure global,
local, and blended
delivery

Delivering a shared
private cloud on
Azure technology
since 2014

SAP on Azure
Advanced
Specialization
Partner

Understanding

Every organization's journey to cloud is different. Most have different legacies, goals, risks, and so on. We overcome these challenges by using our tried and tested framework – one that centers on the differences that make your business unique.

From an initial, tailored assessment, through to an exploration of how you can balance your security and troubleshooting needs – migrating SAP to the cloud is always personal with Fujitsu.

[Get in touch with us today](#)

Approach

Using our ResultsChain™ methodology, our expert consultants work with you. First, they'll establish your readiness and create a framework for cloud adoption. Then accelerate your journey to the cloud through a full suite of assessment, migration, transformation, management and optimization services to meet your business outcomes. This means you can spend more time improving your business with your modern, simplified estate.

Also, because of our rich partner ecosystem, we're able to deliver the best, quickest, and safest migration of SAP to Azure. We use three different solutions, and our experts can help you choose the right one, depending on which suits your business best. All of these tools help to deliver a quick, smooth, and risk-free transition. Find out more about each of them below:

- > SNP's Cloud Move for Azure solution
- > Azure NetApp Files
- > SpringBoard™ for Azure – our own tool

We work side by side with Microsoft, which gives us an in-depth knowledge of these products and services. You don't have to worry about the complexity of moving your SAP landscape to the cloud, because our SAP-certified experts will help you choose the right solution. Not to mention manage it for you. You'll find more information about each solution over the next few pages – but you can always get in touch to talk about which one would be right for you.

How we do it

Three solutions for a quick, smooth, and risk-free Azure migration:



SNP's Cloud Move for Azure solution

Organizations migrating to S/4HANA with a BLUEFIELD™ approach can automate the process for even the largest systems. SNP's Cloud Move for Azure solution, in the hands of Fujitsu, determines the optimal cloud sizing to map an existing SAP system to a new Azure environment. In other words, you get the transparency to identify gaps in your migration and prepare what you'll need to fill them. With this cloud-centric, best practice approach, you can reduce a typical project from three months to just two.



Eliminate downtime almost entirely

SNP's Cloud Move for Azure solution is a near-zero downtime roadmap for migration.



Trust a proven solution

SNP's Cloud Move for Azure solution is the proven cloud migration tool with a 100% success rate.



Migrate at scale

Fujitsu acts as a single point of contact for various SAP and non-SAP stacks – to provide a fully managed migration.



Know the cost ahead of time

The Fujitsu Cloud assessment service, included in SNP's Cloud Move for Azure solution, estimates the cost of migration.



Do the complex with confidence

Fujitsu has the expertise to reduce the risk of even the most complex requirements.

2

Azure NetApp Files

Simplify your storage portfolio to deliver SAP projects faster and future-proof your investments on-premise and in your hybrid cloud environment. Azure NetApp Files (ANF) can help you make best use of your data, and reduce your operational management costs.



Find the right solution for you

NetApp is the only native file service certified to serve HANA in the cloud with Azure NetApp Files (ANF).



Manage less software

Licenses for backup, monitoring, and management tools are included in the ANF service.



Increase Service Quality

Increase services pull through and productivity via parallelization. Improve SLAs to end customers.



Reduce operational costs

There's no requirement for Network File System (NFS) configuration, maintenance, resizing, and upkeep.



Save your resources

You can offload backup processes directly from the compute virtual machine to ANF.

3

SpringBoard™ for Azure

SpringBoard™ for Azure gives you the flexibility to easily scale, grow or pivot as your business and industry require. It's a tool you can use independently or with any third party. You receive a perpetual license to the code and blueprints to deploy Azure services and enterprise scale landing zones. Or, in partnership with Fujitsu, you can work within the eight core areas of design, in the Microsoft Cloud Adoption Framework, and conform to the enterprise scale landing zone guidance. It means that you'll have a fully functional immutable infrastructure landing zone in Azure.



Innovate faster

Develop new solutions faster with quality IaC library and landing zone templates.



Create value

Focus effort on your business challenge instead of foundation code and maintenance.



Save costs

Save both money and time – your landing zone up and running in days instead of months.



Build your future

Co-create your solution together with Fujitsu Azure experts and SpringBoard™.

Learn more
about SpringBoard™
for Azure

Ready to modernize?

Take the first step to a solution that's right for you.

The Fujitsu SAP on Azure Assessment is the first step of your adoption journey. Whatever your goals, we can review your current SAP landscape and requirements, and develop a migration approach that's right for you.

The assessment includes:

- Discovery of your digital estate
- Definition of your business outcomes and challenges, via interactive workshops
- Evaluation of your cloud maturity
- Actionable roadmap of activity to help you organize how you'll get where you want to go
- Consideration your application migration approach – whether to go Brownfield (upgrade as is to S/4HANA); Greenfield (build a new SAP environment from scratch) or BLUEFIELD™ (a selective targeted approach agreeing which applications and configurations to move across).



To talk about taking your SAP systems to Azure:
Get in touch with us today
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