

Modernizing SAP with Microsoft Azure and Accenture

SAP on the Microsoft Cloud and Accenture offer the most efficient and effective way to modernize your ERP system.





Now is the time to modernize SAP implementations.

Today's business demands are driving organizations to move their SAP applications to the cloud. This isn't surprising—the cost of maintaining on-premises ERP solutions is high; provisioning is a long process; disaster recovery is complex; and on-premises and custom solutions do not provide access to the cloud-based innovation that bolsters digital transformation.

Moving SAP applications to the cloud provides the opportunity to reduce costs and enable future digitization. And by renewing the core ERP implementations with S/4HANA, companies will be able to digitize their ERP and take advantage of cloud-based innovations—such as predictive analytics and artificial intelligence (AI)—to reshape their businesses.

73%

of organizations have at least one new application in the cloud and enterprises are already running parts of SAP in the cloud.

Source: Why Now is the Right Time for SAP on Azure, Accenture, 2019

Why SAP on Microsoft Azure?

As enterprises pursue their data driven transformation, they find value in leveraging data in various Azure data services along with SAP data. A typical data migration may involve exporting SAP data onto an Excel spreadsheet and then moving the data to PowerBI to visualize the data to gain insights. Apart from the operational and cost inefficiencies in this process, this also leads to data silos and missed opportunities. To streamline the process, customers can use SAP on Azure with SAP HANA certified on-demand virtual machines such as Azure M-series or purpose-built SAP HANA on Azure Large Instances. They can also tap into various Azure data services to make the process efficient and remove any data silos. Azure provides a robust enterprise-grade platform that offers the agility and scale needed for integrating with SAP technologies along with security.

Some benefits of running SAP applications on Azure are:

- **On-demand and scalable:** Azure provides compute resources on-demand with a pay per use model. Enterprises can scale the resources up and down based on their usage needs. Additionally, Azure offers purpose-built HANA large instances that can support large memory implementations.
- **Intelligent solutions:** By taking advantage of Azure data services, analytics service and tools like Power BI, users gain insights from their data.
- **Security and compliance:** Azure makes it easy to protect your data and solutions using encryption, Azure Security Center and Azure Active Directory, which provides single sign on across multiple

services, both on-premises and cloud. With a variety of industry compliance and trust certifications, Azure provides a complete compliance solution.

- **Global scale:** Azure has the largest footprint of any cloud providers with over 54 regions to support any scale, enabling organizations to optimize for the best user experience and to meet local data residency requirements.
- **Enterprise-grade resilience:** Azure provides enterprise grade resilience with redundancy and georeplication with 99.99% SLA.
- **Lower TCO:** Azure provides for a 60% cost reduction when compared to traditional, on-premises storage systems. By using SAP technologies on Azure, customers can realize 40-75% TCO cost savings in Dev and Test environments.

Why SAP on Microsoft Azure with Accenture?

SAP on Azure with Accenture offers the most efficient and effective way to renew core ERP implementations, transform with SAP S/4HANA, and enable real-time innovation. By moving their ERP solutions to Microsoft Azure with Accenture, customers are experiencing:

Long-term cost reductions
averaging 30-50% annually.

Industrialized SAP solutions that enrich data and deliver robust, predictive capabilities.

Leading automation capabilities that build and run SAP systems, reducing project costs by 10-15%.

Comprehensive security spanning across all layers, delivering policy-based, automated enforcement.

Microsoft has partnered with Accenture and Avanade to better meet the needs of our customers and deliver an end-to-end experience. Accenture brings world-class industry thought leadership, deep SAP expertise, and one of the longest strategic relationships in the SAP ecosystem. And Avanade brings market-leading Microsoft Azure expertise to some of the largest joint SAP on Azure engagements.

Accenture and Avanade's success with SAP-to-Azure migrations and modernization projects comes in large part from not only their expertise in the realm, but also their significant investments in accelerators and automation tools to help build and run SAP environments in Microsoft Azure. For example, Accenture's Journey to Cloud (J2C) SAP Center of Excellence (CoE) centralizes solutioning and delivers joint automation and orchestration capabilities on Azure to ensure quality and industrialized delivery.

Support for every stage of your cloud migration.

Microsoft Azure is the industry leading cloud platform for SAP S/4HANA. Azure offers broad database support, enabling customers to bring in existing applications using the database that's best for their organization. Built for the demands of a modern enterprise, Azure offers unparalleled specifications for SAP installations—with up to 4TB SAP HANA certified VMs, up to 24TB of RAM for the largest SAP HANA workloads, and the ability to scale out to 60TB of RAM for HANA OLAP and single-node support up to 24TB for HANA OLTP.

Whether customers are looking to cut costs by lifting and shifting current on-premises, multi-vendor databases to SAP on AnyDB to Azure, or they are ready to do a full migration to S/4HANA on Azure, Accenture and Avanade, using Microsoft technologies, deliver best-in-class offerings to help meet unique business requirements.

Lift and shift SAP on AnyDB to Microsoft Azure

By simply doing a lift-and-shift of SAP apps to Microsoft Azure, customers get the speed, scale, and cost benefits of the cloud very quickly. This means:

Lower infrastructure costs by **30-50%** annually.

40-75% lower TCO for dev/test.

40% lower costs for Windows Server VM vs. other cloud options.

60% lower costs for archiving data.

Microsoft Azure Infrastructure-as-a-Service (IaaS) has been tested and certified against the same NetWeaver standards as those used for on-premises infrastructure. This means customers can provision virtual machines (VMs) on-demand and easily lift their SAP Central Services, application servers, or databases (Oracle, IBM DB2, SAP ASE, SQL Server) to the cloud without needing to change licenses or complete any major database restructuring.

This is a great option for our customers looking to quickly reduce cost and enable future digitization.

Conversion to S/4HANA on Azure

50-60% of data for SAP customers sits in non-SAP environments. When migrating to SAP S/4HANA in the cloud, customers have the ability to provide a unified view of their data across the enterprise by combining SAP and non-SAP data in the cloud. This helps accelerate innovation for agile product cycles; saves costs with on-demand infrastructure that can be spun up/down in minutes; easily integrate with industry solutions; and, finally, take advantage of the data, advanced analytics, and AI capabilities built into Microsoft Azure to drive innovation and help reshape the business.

Together with Accenture and Avanade, we help streamline customers' S/4HANA transformations through industrialized solution delivery and tools to automate and orchestrate their migration:

Realize labor cost savings up to **20-50%**.

Co-locate your applications and ERP data for **low latency**.

Centralize solutioning and deliver joint **automation** and **orchestration**.

Transformation to S/4HANA on Azure with Accenture represents the best opportunity for customers to innovate and reshape the business through enriched data and prediction capabilities.

Partner with the trusted leaders in the marketplace.

Imagine the art of the impossible for your enterprise and accelerate your digital transformation with SAP and Microsoft Azure by using our partners that are trusted leaders.

Accenture and Avanade offer the most efficient and effective way to renew core ERP, transform with SAP S/4HANA, and enable real-time innovation with SAP on Azure. They have developed several assets and accelerators that can support an effective and rapid migration of SAP to Azure. These tools accelerate SAP on Azure DevOps and Automation, provisioning, deployment and operations resulting in speed to market as well as increased quality, standardization and cost efficiency. These assets offer the end-to-end control, governance and visibility over all the manual and automated activities that complex SAP migrations require. Additionally, the Accenture Cloud Platform (ACP), helps manage the SAP on Azure workloads as an "as-a-service" solution providing comprehensive management of cloud solutions and support, available 24/7.

Together with our partners Accenture and Avanade, we bring together our leading technology innovation and industry experience to deliver complete solutions and services that help you transform your business and become industry leaders.

- Learn more about why [now is the right time for SAP on Azure](#).
- See why companies are choosing [Azure vs. AWS](#).
- For more info, contact SAPonAzure@accenture.com.



For additional information please visit the [Accenture-Avanade-Microsoft Alliance website](#).



With the help of Accenture, [Astellas Pharma](#) was able to achieve ERP integration with SAP S/4HANA using Microsoft Azure while eliminating the challenges of cost and flexibility.



[Accenture](#) moved its own SAP Business Warehouse on SAP HANA to Microsoft Azure in a span of only six months to gain the business benefits of scale, agility, and performance while enabling better, leading-edge reporting and analytics capabilities previously not possible.



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