

Keep ERP at the heart of your enterprise

More choice and control with an SAP S/4HANA private cloud

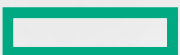
Contents

Executive summary	3
The right cloud for S/4HANA	3
Choice of solution levels	5
Customization with ready-defined building blocks	7
Proven migration path	7
Deployment options	8



Many companies want to keep ERP at the heart of the business while gaining the advantages of the cloud. And time is of the essence if you plan to migrate to SAP S/4HANA®, as support for legacy SAP® software ends in 2027.

Learn how SAP S/4HANA private cloud powered by HPE GreenLake enables you to realize your SAP cloud strategy more easily and fully control your solution.





Executive summary

Enterprises who plan to migrate to SAP S/4HANA are looking for a simple, trusted solution that fits their cloud-first strategy and meets the challenges of delivering a dependable, scalable enterprise resource planning (ERP) environment from edge to cloud.

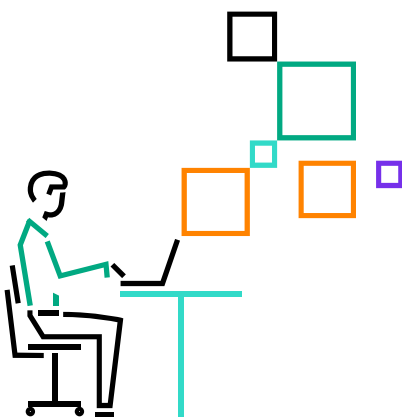
SAP S/4HANA private cloud powered by the HPE GreenLake edge-to-cloud platform is a managed solution that offers a cloud experience and the control you want. You gain the flexibility of the cloud, including elastic scale and consumption-based billing, while choosing from a range of deployment options and customizations. You can migrate your existing environment, however complex, and run it easily, thanks to HPE's expertise. Thousands of global customers have experienced this expertise while you can also depend on elevated support and SLAs that deliver at least 99.99% uptime.

The right cloud for S/4HANA

Most SAP users intend to migrate to S/4HANA, but less than 30% have started the process.¹ The project is time-sensitive, given that mainstream support for older SAP software will end in 2027. Failing to migrate could leave mission-critical ERP environments vulnerable to emerging security threats. Why, then, are so many holding off?

Cloud is a factor, according to enterprise SAP user surveys. Many enterprises have a cloud strategy that involves moving workloads to the public cloud, where they can use simple managed solutions, scale infrastructure easily, and benefit from consumption-based billing. However, the vast majority do not prefer public cloud for SAP; they believe a public cloud S/4HANA deployment may not meet requirements around data sovereignty, ability to use software licenses they already own, business continuity, training and support, and other needs.²

According to a survey of 2,000 SAP customers, around half believe moving their SAP landscape is difficult.³ SAP environments are often large and complex, featuring a high degree of customization plus carefully architected disaster recovery systems. Enterprises want to migrate their existing environments in all its complexity, not start over.



¹ valantic.com survey, 2022

² ASUG/DSAG: Insights on SAP Cloud Solutions and RISE with SAP, August 2021

³ Qualtrics® survey, 2022



SAP S/4HANA private cloud powered by the HPE GreenLake platform is a complete, managed solution delivered at your location of choice. You can keep your SAP software landscape, infrastructure, and data on-premises or at a co-location. Bring your existing SAP licenses or buy from a partner of your choice with all the customizations you need while maintaining full control of your environment. Infrastructure is built on proven HPE mission-critical platforms, such as HPE Compute Scale-up Server 3200 and HPE Superdome Flex 280 Server, which lead in scalability and performance and are certified by SAP. These platforms deliver always-on infrastructure, with SLAs that guarantee an uptime of at least 99.99%. With one ERP environment spanning from edge to cloud, you can enhance insights by analyzing SAP data closer to where it is generated.

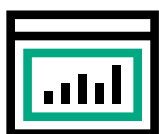
At the same time, you gain the benefits of an agile, elastic, and consistent cloud experience with the HPE GreenLake platform. You can run your infrastructure as a service, scale elastically with on-site buffer capacity, and make monthly payments for a long-term solution. And pay one simple monthly cost for a long-term solution. While costs in the public cloud can spin out of control, the HPE private cloud approach helps you keep costs predictable. There is no need to reserve cloud capacity or commit long term to access a lower price.

The solution is also designed to simplify the process of migrating to SAP S/4HANA. Customers quickly receive a turnkey solution proposal, statement of work, and pricing. Thanks to HPE's expertise in the SAP space, you can migrate confidently.



Physical infrastructure

- SAP-certified infrastructure components from HPE
- Redundant compute, storage, and networking
- Racks, cabling, and redundant power supplies
- Management control plane (operated by HPE management services)
- Customizable network connection and power supply configuration



Software

- VMware® virtualized platform, including VMware licenses
- HPE management software and tools
- Linux® operating system, for example, Red Hat® or SUSE (optional)



Services

- Factory Express integration, including on-site installation of racking, cabling, and labelling, plus power-up
- Startup and configuration
- Elevated support with HPE Complete Care Service
- Operational management services



Choice of solution levels

With SAP S/4HANA private cloud powered by the HPE GreenLake platform, you can choose from three different outcomes according to your needs. Figure 1 gives an overview of all the services that each solution level provides.



Figure 1. Services provided with each solution level

Consumption-based infrastructure

Run a right-sized HPE infrastructure landscape optimized for SAP via the HPE GreenLake platform. Pay as you use,* gain flexibility with capacity planning, and receive the HPE Complete Care Service support. Customize your solution with optional services.

Managed infrastructure as a service

Hewlett Packard Enterprise provides a fully managed solution for running SAP Business Suite applications based on SAP HANA® or any supported database. The hardware infrastructure meets stringent SAP HANA and SAP NetWeaver® certification requirements.

You can optionally include platform backup and recovery services so that your solution provides a managed infrastructure platform up to the logical level of the VMware ESXi™ hypervisor (VM as a service). All software components running in the virtual machines (VMs), including the operating systems, are managed by you. Figure 2 represents the various services provided by HPE, customer, or a managed service provider as part of the IaaS solution level.

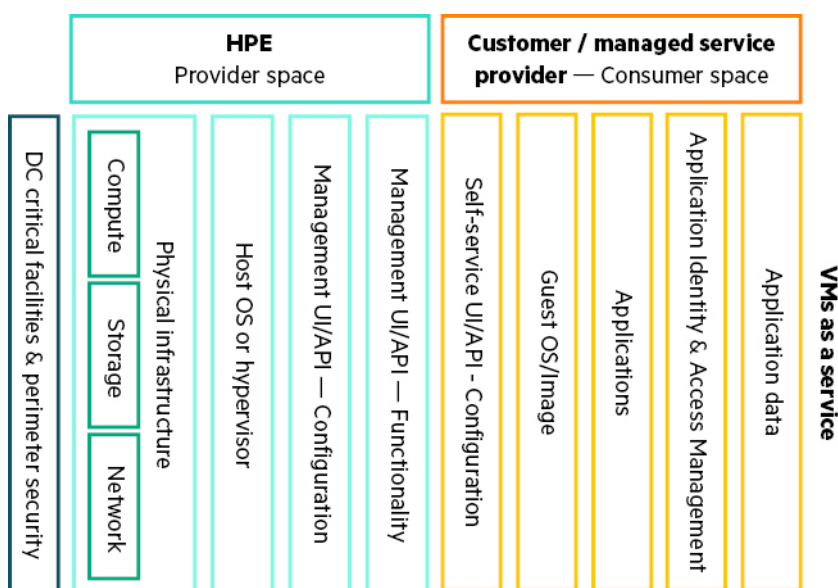


Figure 2. Service scope of the Managed IaaS solution level

* May be subject to minimums or reserve capacity may apply



This solution level offers:

- A 99.99% infrastructure uptime SLA
- 24x7 service delivery for the landscape
- Continuous service planning and review
- Continuous software release planning
- VM workload monitoring and management
- A flexible solution that allows customization of responsibilities and accountabilities

Managed platform, including SAP Basis

In addition to the IaaS platform solutions, HPE offers individual operating services for SAP Business Suite applications based on SAP HANA or legacy databases. This makes it possible to obtain the complete SAP Basis operation, including the infrastructure, from HPE. The included services extend to all common SAP databases and applications. All SAP Business Suite applications and NetWeaver components running in the ESXi VMs, including the operating systems, are managed for you by HPE.

HPE is certified by SAP as a Global Partner for SAP HANA Operations, Hosting Operations, and Cloud and Infrastructure Operations.

Most-requested SAP Basis services deliverable by HPE:

Supported databases	Applications supported on a technical level	HPE Services
SAP HANA	SAP ERP	SAP NetWeaver Administration
Sybase ASE	SAP BW	SAP Basis Administration
Oracle®	SAP SRM	SAP Solution Manager (design/install/update/upgrade/migrate)
SQL DB	SAP CRM	SAP BW/ Business Suite (design, installation, upgrade, and migration only)
MaxDB	Business Objects	SAP ECC (update/upgrades/administration)
MySQL DB	SAP Lumira®	SAP PO/PI/BOBJ/BODS Administration
Db2	SAP IDM	SAP Fiori®
PostgreSQL	SAP MDM	HPE Serviceguard for Linux cluster
Mongo	Web Dispatcher	SAP HANA (design, installation, upgrade, administration, and migration)
	Cloud Connector	SAP Application migration
	SAP Data Services	SAP HANA Virtualization
	SAP S/4HANA	SAP HANA Replication
	SAP Process Integration	SAP Basis and HANA monitoring
	SAP Process Orchestration	SAP S/4HANA (update/upgrade/migrate)
	SAP SSO	
	SAP Fiori	
	SAP GRC	
	Enterprise Portal	
	OpenText	
	Content Server	
	Afaria	





Customization with ready-defined building blocks

According to HPE, each of our customers is unique — therefore, every SAP landscape is unique. SAP S/4HANA private cloud powered by the HPE GreenLake platform is customizable to individual customer needs, using a catalog of predefined blocks, and helping ensure you can migrate your existing environment, however complex. Figure 3 provides information about the customization options that the HPE Services catalog provides, including optional consulting services, compute, storage, and backup and recovery.

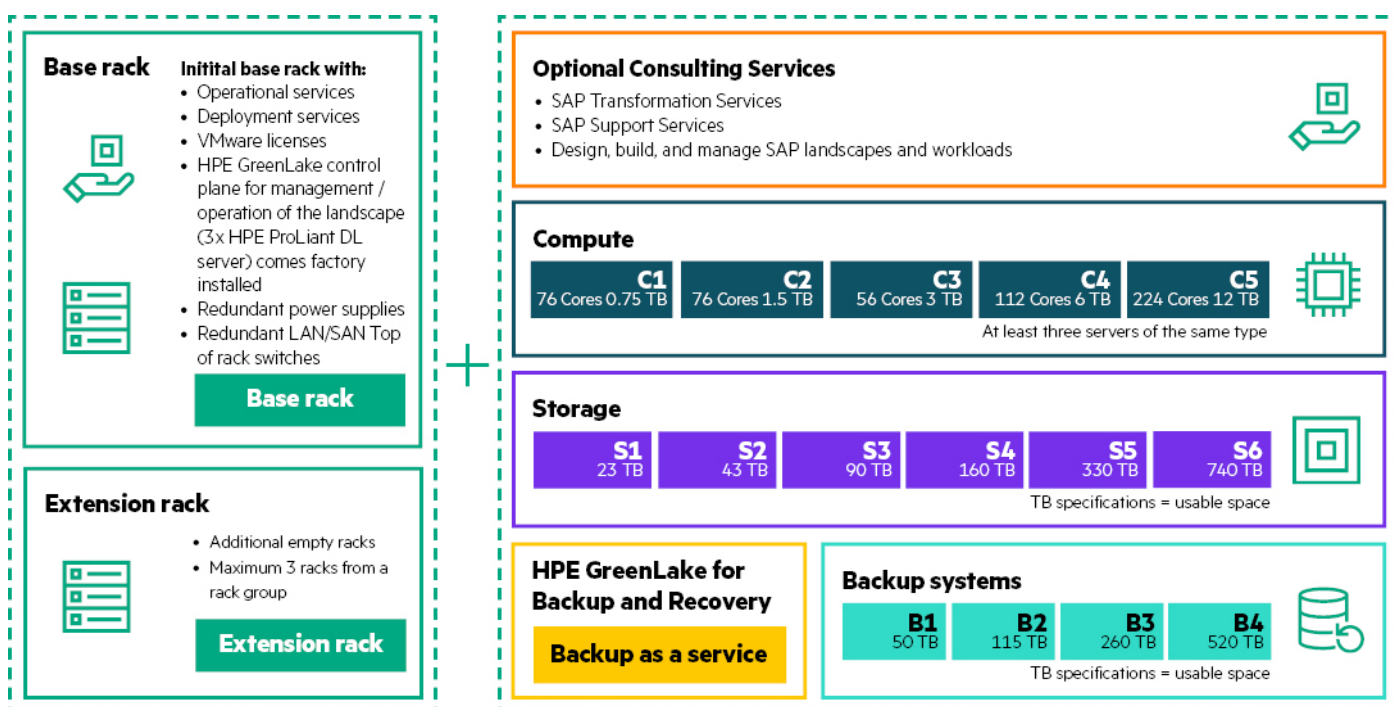


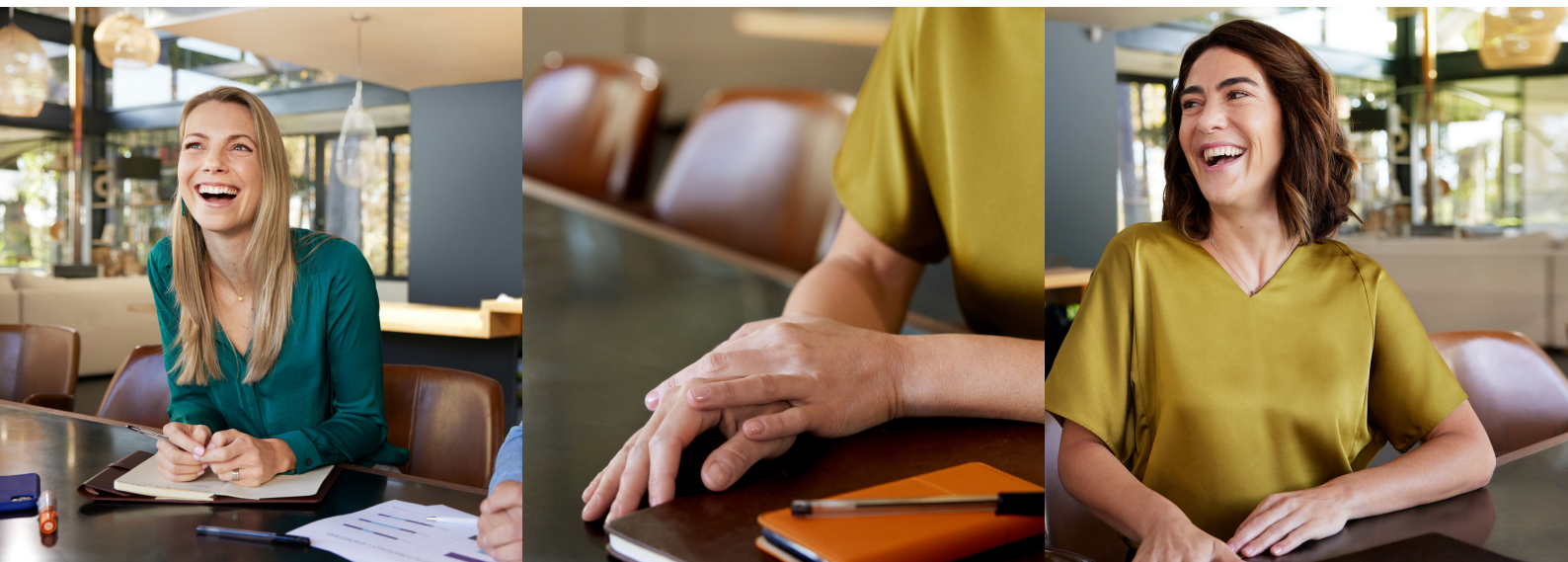
Figure 3. Some of the customization options provided by the HPE Services catalog

Proven migration path

Many enterprises are concerned about the difficulty of migrating their critical ERP environment to S/4HANA. HPE customers benefit from our 30-year partnership with SAP. We provide SAP-certified consultancy and cloud operations, and run a 100 TB SAP HANA environment in our own company. HPE solutions lead in performance and scalability: we're the only provider of SAP-certified solutions up to 32 TB and 16 sockets as of June 2023.⁴ Our solutions also hold #1 benchmark results for solutions with 8, 16, and 32 sockets as of June 2023.⁵

⁴ Certified and Supported SAP HANA Hardware, SAP, June 2023

⁵ SAP Standard Application Benchmarks & Certified Hardware for SAP Solutions on Microsoft Windows, SAP, June 2023



Deployment options

SAP S/4HANA private cloud powered by the HPE GreenLake platform is one of several deployment options from HPE or SAP. By starting your SAP S/4HANA migration journey with an HPE discovery meeting, you can quickly assess these options and select the best fit for your organization. Figure 4 showcases the SAP S/4HANA deployment options, including RISE with SAP and options outside of RISE.

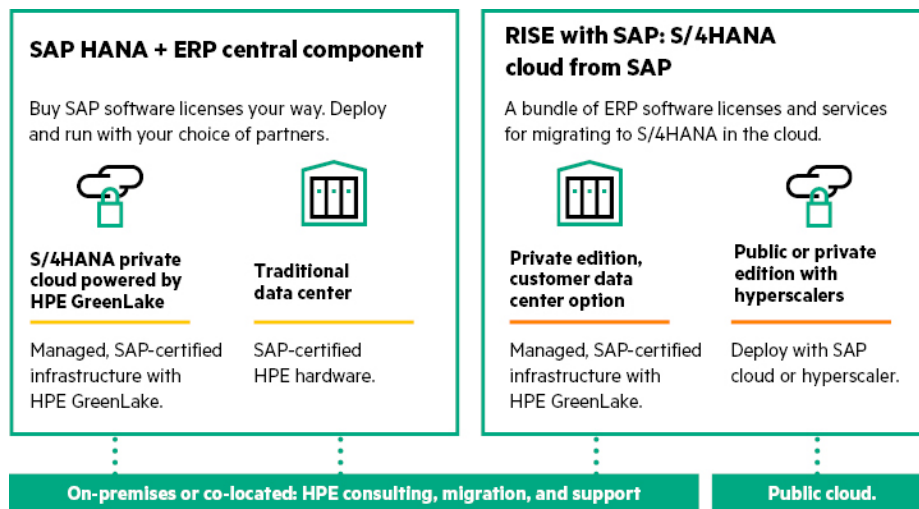
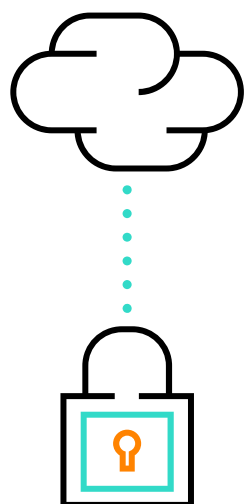


Figure 4. SAP S/4HANA deployment options

With HPE, you can also choose your own system integrator and managed service partners to work with.

Learn more at

HPE.com/us/en/solutions/SAP-HANA.html

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