

# SAP Public vs. Private Cloud

	Private cloud	Public Cloud
Range of functions	Complete range of functions	<ul style="list-style-type: none"><li>◦ Functional scope currently still limited</li><li>◦ Areas such as Finance and industries such as the Public Sector, Professional Services, and Manufacturing already exist</li><li>◦ In addition, the pace of development is high, so the full range of functions will be available in approx. 1-2 years</li></ul>
Transformation approach	Brownfield, shell migration (selective data migration) or greenfield possible	Only a new start is possible with the greenfield approach.
Implementation	Implementation time and effort depend on individual requirements (similar to classic ERP implementations)	Only 6 - 12 months until go-live; lower implementation costs
Costs	Generally, higher costs for implementation and updates	Lower implementation costs: usually only 1/3 of the costs for classic ERP implementations, sometimes even less
Clean Core	Not automatically, companies can customise core functions and need to ensure keeping the core clean	Yes, Clean Core with standardised core functions and limited customisation options
Scalability	Limited scalability	High scalability and elasticity
Customising	<ul style="list-style-type: none"><li>◦ Comprehensive customising and adaptations in SAP source code possible</li><li>◦ Extensions possible via SAP BTP</li></ul>	<ul style="list-style-type: none"><li>◦ Guided customising through best practices</li><li>◦ No access to the SAP GUI and SAP source code</li><li>◦ Extensions possible via SAP BTP. pprox. 1-2 years</li></ul>
Hosting	Hyperscaler selectable (AWS, Azure, GCP)	SAP

## Private cloud

A dedicated environment in the company's own data centre or an Infrastructure-as-a-Service (IaaS), protected by a firewall

The company can define its data protection guidelines

Direct access to the infrastructure is possible

The company has complete control and can fulfil compliance requirements

Single Tenant: Dedicated environments for individual companies possible

- The company takes over and updates itself
- An upgrade is required at least once every five years to remain in mainstream maintenance
- Annual release cycles

Companies with high-security requirements or specific compliance requirements

The private cloud tends to be more suitable for larger companies and companies with more complex requirements and many individual customisations.

## Public Cloud

The cloud provider provides security measures.

Depending on the data protection guidelines of the cloud provider approx. 1-2 years

Access via the Internet or private connections

Cloud provider provides control and compliance mechanisms

Mostly multi-tenant: several companies share a common

Automatically, at least twice a year by SAP, so that companies automatically work with the latest version

Companies that require flexibility, scalability and cost efficiency

- The public cloud is available from a minimum number of 25 users and is therefore also an option for small and medium-sized companies
- The public cloud is currently ideal for larger medium-sized companies with a turnover of up to 1 billion euros and around 15,000 users
- Once the full range of functions has been achieved, the public cloud should become attractive to other companies

Security

Data protection

Access

Control & Compliance

Tenants / Clients

Updates

Suitable for

Company size