

PeopleSoft

# Taking PeopleSoft to the cloud

The ultimate guide to modernize your ERP system

**Blis**

PeopleSoft

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A step-by-step guide

# CHAPTER ONE.

# 1

## Introduction: why we wrote this for you

You manage IT for your organisation, you're probably already in the middle of your cloud transformation. And if your responsibilities include an on-premises PeopleSoft implementation, this transition probably raises fundamental questions on how to approach such venture.

You know your critical business processes run on PeopleSoft. And, if you're honest, you know that a transformation to cloud isn't really a choice. This means the possible gains of moving PeopleSoft to the cloud are huge. The risks of keeping this mission-critical application in your complex on-prem landscape are equally huge.

We didn't write this paper to scold or scare you. We wrote it to help you answer the complex and fundamental questions that rise to the surface when migrating PeopleSoft, an application designed to run on-premises, to the cloud. This paper contains advice on choosing a type of cloud and a cloud provider to host PeopleSoft, based on our years of experience with projects like these.

You're also going to need a solid migration strategy to get from your on-prem PeopleSoft to the cloud, so we put a chapter in there on that as well. Finally, we will try to shed light on compliance issues you may face.

Ready to get started?

### Why take PeopleSoft to the cloud?

Wondering why you should take PeopleSoft to the cloud? Fortunately, that's the easy question. As there are five compelling reasons:

1. Greater flexibility, control, speed and efficiency through automation and standardisation
2. Easier scaling, up or down
3. Faster implementations
4. Higher availability, reliability and performance
5. The potential of lower overall cost through effective, dynamic cost management, in addition to swapping CAPEX expenses for OPEX

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'Ready to  
get  
started?'

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# CHAPTER TWO.

## 2

### Cloud vs. cloud: what are the differences?

Once you are at the point making the major decision to move PeopleSoft to the cloud, it's essential to know which type of cloud you'll be running PeopleSoft from.

Not all clouds are the same; we must know which one we're discussing. So, before we get into the why, what and how of PeopleSoft cloud implementations, let's look at the differences between the different service and deployment models the cloud offers.

#### **Cloud Service Models**

There are three main service models that we can use to distinguish the different types of cloud offerings: Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS). Function-as-a-Service (FaaS), or 'serverless', is a fourth evolving model. Here, we will focus on the three traditional service models.

### Infrastructure-as-a-service (IaaS)

Infrastructure-as-a-Service (IaaS) is a full-suite model where you can deploy and run arbitrary software. The cloud service provider manages the underlying infrastructure while you control (and are responsible for) the operating system and the deployed applications. Additionally, you are provided with a pool of shared resources, networks, and storage that is (partly) under your control.

### Platform-as-a-service (PaaS)

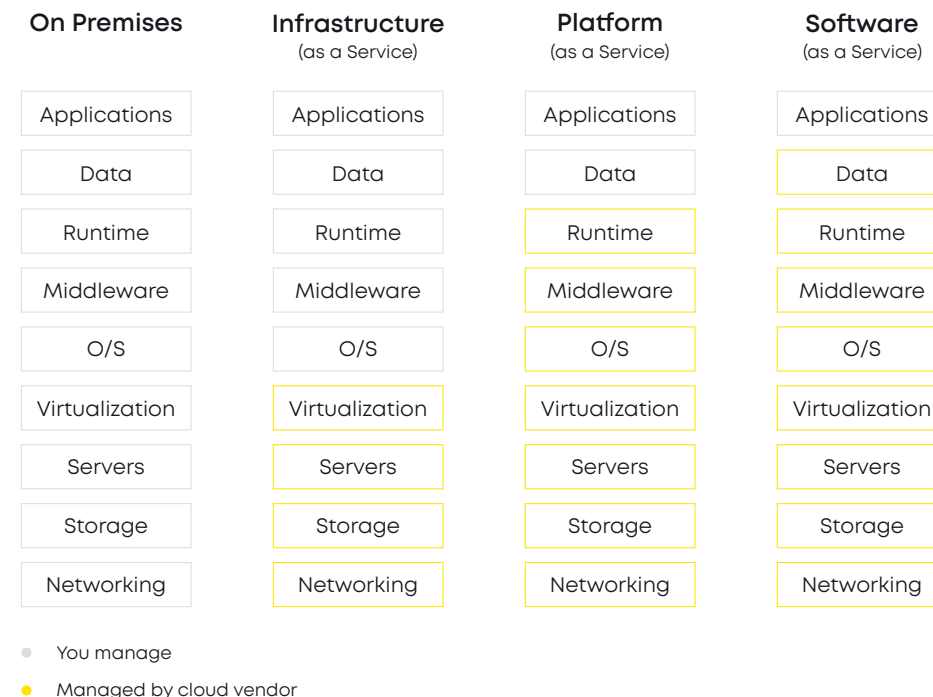
Platform-as-a-Service (PaaS) is a model that allows you to deploy applications that the cloud service provider supports. You will control the deployed applications and the environment's configuration settings. But you are unable to see or manage the underlying infrastructure. You also don't have control over networks, servers, operating systems and storage.

Cloud service providers also offer more specialised service models under the PaaS umbrella. For example, the Database-as-a-Service (DBaaS) model lets you access a database without installing and managing the database system yourself. And the Integration Platform-as-a-Service (iPaaS) model enables the development of integrations without the need to manage any middleware.

### Software-as-a-service (SaaS)

The Software-as-a-Service (SaaS) model supplies everything needed to run an application. You can access the application from various client devices through a web-based or program interface. You do not manage or control the underlying infrastructure or individual application capabilities. Generally, you only have limited control over some user-specific configuration settings within the application.

## Cloud Service Models



## Cloud Deployment Models

The three cloud service models can be deployed following one of the three main deployment models.

### Public Cloud

Under the public cloud deployment model, the cloud service is controlled by a cloud service provider and generally available over the public Internet, either for free or on a pay-as-you-go basis. Examples of public cloud providers are hyperscalers (large cloud service providers) such as Amazon Web Services (AWS), Microsoft Azure and Oracle Cloud Infrastructure (OCI). However, most of them also offer other deployment models.

The public cloud also involves more specialised offerings that focus on sovereignty for a specific region to provide better compliance with legal or data privacy requirements.

### Private Cloud

Under the private cloud deployment model, the cloud service exists solely for a single organisation. The cloud is either managed by the organisation or a third-party vendor.

### Hybrid Cloud

The hybrid cloud deployment model mixes the public and private cloud deployment models. Or one of the cloud deployment models with on-premise systems. This includes the multi-cloud model, where you use the best services from different cloud service providers to create the most favourable solution for your purpose.

## Cloud Deployment Models

### Public Cloud

- Offered by third-party providers
- Available to anyone
- Multiple customers/tenants
- Shared resources
- Scalability
- Cost-efficiency

### Hybrid Cloud

- Use the best of both worlds
- Shared responsibility
- Flexibility
- Tighter controls

### Private Cloud

- Requires own maintenance
- Single customer /tenant
- Customizable
- Controllability
- Strict (security) controls

## Still the PeopleSoft you used to know

It's important to note that when running PeopleSoft in the cloud, you:

1. Still use the same PeopleSoft application as you did before;
2. Still are the owner of your PeopleSoft application (and bring your license for it);
3. Still can retain all your valuable customisations and integrations;
4. Still have full access to all your data at any time;
5. Still are responsible for doing all the application management (eventually supported by PeopleSoft Cloud Manager);
6. Can migrate your PeopleSoft to any other cloud or back to on-premise whenever you like.

So, by migrating PeopleSoft to the cloud, you will not lose any functionality you currently get from PeopleSoft in an on-premise scenario.

# CHAPTER THREE.

## 3

### PeopleSoft and the cloud: what are we talking about?

As already mentioned in the introduction: when taking PeopleSoft to the cloud, there are a couple of very specific points to consider. So, what are we talking about here? As delivered by Oracle, PeopleSoft is an on-premise application. There is no SaaS offering for it, and Oracle has no plans to offer one. So, whenever we talk about running PeopleSoft from the cloud, we always be looking at the IaaS service model. There is also no PaaS-type option available to run PeopleSoft in the cloud, although this option is viable for some related components. For example, we could use DBaaS to deploy the database on Oracle Cloud Infrastructure (OCI).

When choosing to run PeopleSoft on Oracle Cloud Infrastructure (OCI) you can reach the most SaaS-like experience, as it also offers the PeopleSoft Cloud Manager to automate your management activities. However, the service model is still IaaS at its core. PeopleSoft Cloud Manager adds a lot of value, but it will not remove any control or responsibility you have under the IaaS service model. In chapter five we take a closer look at the advantages of being able to use PeopleSoft Cloud Manager. PeopleSoft generally works in either of the deployment models.



The (im)possibilities of running PeopleSoft in a specific deployment model are dictated by software certifications and licence restrictions rather than technical factors.

## Why bring PeopleSoft to the cloud while SaaS might be knocking at the door?

Should you hold off on your PeopleSoft cloud migration if your strategy is to transition to SaaS? Probably not. Investing in a Cloud migration for PeopleSoft also pays off if your long-term strategy is to move to a SaaS solution like Oracle ERP Cloud. Migrating PeopleSoft to the cloud prepares your organisation for the transition to SaaS while delivering the latest features and enhancements until you complete your SaaS transition. And this, most likely, still at a lower total cost of ownership than just staying put.

Remember that transitioning from PeopleSoft to a SaaS solution takes at least a few years. During this period, you should still be able to run your business and get the most out of your PeopleSoft investment. Waiting to adopt the latest PeopleSoft features increases your technical debt and deprives you of the benefits of increased automation and reduced maintenance costs. During this period, you also miss the opportunity to reduce the level of customisation in your PeopleSoft application. Reducing customisation aligns your PeopleSoft application and business processes with industry best practices. Following best practices simplifies future SaaS transitions, as all SaaS solutions are based on those best practices.

Organisations with a high level of customisation in their PeopleSoft application are generally behind in maintenance. They also tend to have an inflexible user community. These organisations will find transitioning to a SaaS solution hard. Migrating PeopleSoft to the cloud and taking advantage of the latest features gradually prepares you for a future SaaS transition. This smoothens your process of transformation and change management.

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‘Gradually  
prepare for a  
future SaaS  
transition’

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# CHAPTER FOUR.

## 4

### Oracle Cloud Infrastructure: the easiest path to the cloud

At Blis Digital, our default advice is to use Oracle Cloud Infrastructure (OCI) for PeopleSoft. Unless you have very good reasons to make another choice.

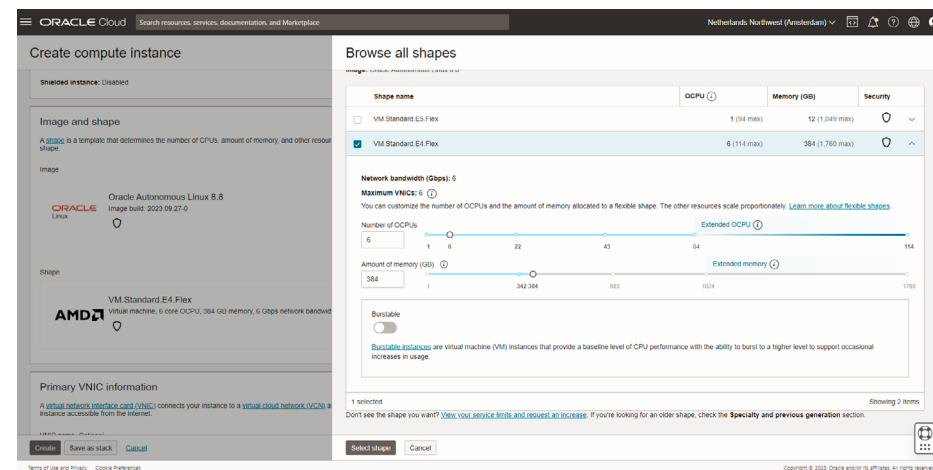
Running PeopleSoft from Oracle Cloud Infrastructure (OCI) brings some unique advantages you won't get when you run PeopleSoft from another hyperscaler. The foremost benefit you will only get on OCI is the ability to use PeopleSoft Cloud Manager. PeopleSoft Cloud Manager comes at no additional license charge and helps you reduce time and effort with many PeopleSoft admin activities, like the life cycle management of your PeopleSoft application. All advantages of using PeopleSoft Cloud Manager are highlighted in chapter five.

Oracle Cloud Infrastructure (OCI) is also the only hyperscaler where you can use a Database-as-a-Service (DBaaS) offering to run your PeopleSoft database. The PeopleTools component of your PeopleSoft application only supports DBaaS on OCI. Oracle's DBaaS services are the only ones certified and supported to be combined with PeopleTools. DBaaS saves you the work of deploying and managing the underlying infrastructure to run the PeopleSoft database.

Autonomous operations are another advantage of OCI. Only on OCI can you use Oracle's Autonomous Database and Autonomous Linux in combination with PeopleSoft. The Autonomous Database uses machine learning for automated tuning, scaling, and database patching. Systems running Autonomous Linux are patched automatically with zero downtime. Both reduce the effort you have to put into administrative activities and increase the security and compliance of your systems.

Compared to other hyperscalers, who work solely with t-shirt size resources, on OCI, you can choose the most optimal resources for running your PeopleSoft application and, by so, gain the most optimal performance/cost ratio. On OCI, with its Flex Shapes, there are no fixed t-shirt sizes for the resources you need. You can flexibly set the CPU and memory you need to run your servers. This works in favour of the PeopleSoft environments that we want to run.

We have multiple servers (or nodes) running with different resource needs in a PeopleSoft environment. Think of the application server and all the CPU power it needs to perform. The webserver that needs memory to keep track of all user sessions. Or the Elastic Stack or OpenSearch nodes that both benefit from storing data in memory and being able to do lots of data processing. If you like the functionality of PeopleSoft Cloud Manager that clones entire PeopleSoft environments within 10-25 minutes and wonder how it could be that fast, almost independent of the size of your PeopleSoft database?



The OCI console with its flexible definition of compute resources.

Well, that's the Block Volume cloning service from OCI at work behind the scenes. The clone operation occurs immediately, and within seconds, the cloned volume is available for use.

Oracle Cloud Infrastructure (OCI) also has some advantages over the other hyperscalers. If you run your PeopleSoft application on an Oracle Database, like most PeopleSoft customers do, your Oracle Database will run at much lower costs on OCI than with any other hyperscaler. If you use multiple cloud regions to serve your business needs, you might like the single pricing for all OCI regions worldwide. Also, it won't matter if you go for OCI's general public cloud offering or the EU Sovereign Cloud; you pay the same amount.

The "unless" part comes into play when you have specifics in or around their PeopleSoft environment that complicate the use of, or the migration to, OCI. One reason could be that you are running your current PeopleSoft environment on a Microsoft SQL Server database. Although SQL Server runs smoothly on OCI, the advantages of PeopleSoft Cloud Manager can only be reached by migrating the database from SQL Server to Oracle Database. Depending on the level of customisation, this could mean that you are headed towards a

costly migration that may substantially impact your business case. However, generally speaking, those extra migration costs are consumed within 3 to 5 years after go-live, after which, in such cases, PeopleSoft runs at a lower cost on OCI.

**'Thus, depending on your roadmap and planning horizon, you might be better off in Azure or AWS when it's only for a few years.'**

Another "unless" could lie in the level and complexity of integration with other applications or systems. When those integrations are costly to change, it also affects your business case. Then, the advantages of running PeopleSoft on OCI may not be worth the effort needed to reach them.



# CHAPTER FIVE.

## 5

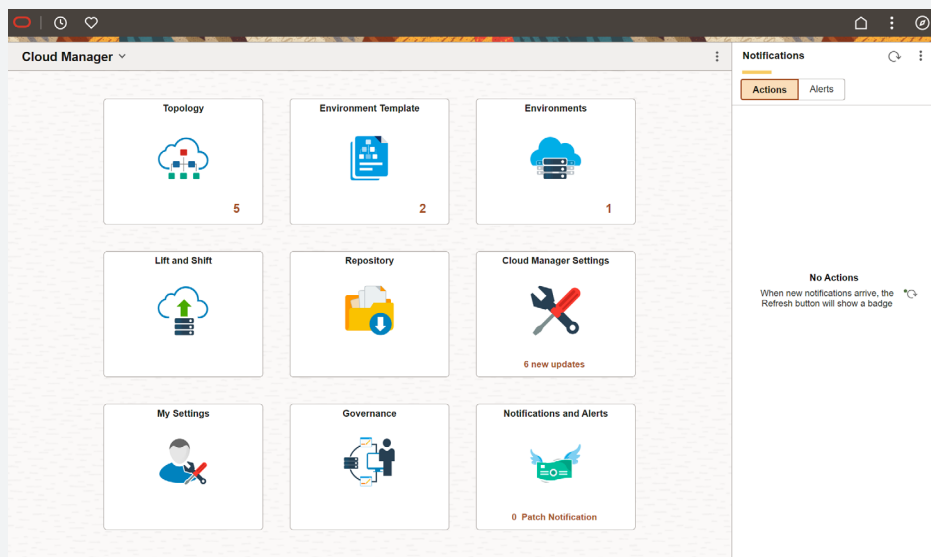
### PeopleSoft Cloud manager: an orchestration framework

#### **Orchestrating PeopleSoft in the cloud**

PeopleSoft Cloud Manager changes the way PeopleSoft applications are managed. The tool saw its first daylight in September 2018 and is, at the time of writing, in its 17th release. The PeopleSoft Cloud Manager is a free PeopleSoft application that runs exclusively on Oracle Cloud Infrastructure (OCI). The PeopleSoft Cloud Manager can manage and deploy PeopleSoft applications in the cloud.

**‘Or, more formally said, it’s an orchestration framework to provision and manage PeopleSoft environments on Oracle Cloud Infrastructure (OCI).’**

And this all happens within the familiar PeopleSoft Fluid interface you know from your other PeopleSoft applications.



The default homepage of PeopleSoft Cloud Manager.

## It's free and saves you money

If you are an existing PeopleSoft customer, you can use PeopleSoft Cloud Manager at practically no additional cost. The use of the PeopleSoft Cloud Manager is already included in your existing PeopleSoft license, so no extra license costs are involved. You only need to spend one OCI compute instance for it, which costs about 50 euros per month. Those costs will easily be recovered by the work it saves you in managing PeopleSoft.

## Strategic direction

Extending the capabilities of the PeopleSoft Cloud Manager is one of the strategic investments Oracle makes in the development of the PeopleSoft product line. Oracle continually updates and enhances its cloud services and the PeopleSoft Cloud Manager, so its features and capabilities evolve. On average, every 8-12 months, a new PeopleSoft Cloud Manager version arrives.

## How to get it

The PeopleSoft Cloud Manager is a PeopleSoft application (only) available

on the Oracle Cloud Marketplace. It's available as a cloud stack that automatically deploys the required OCI resources and installs the complete PeopleSoft Cloud Manager application. Formally said, the cloud stack is a collection of related cloud services that you provision together. More practically, you only need to remember that it saves you a lot of work. Nevertheless, we at Blis Digital are ready to help you get the PeopleSoft Cloud Manager up and running in your environment.

## Benefits of PeopleSoft cloud manager

Using PeopleSoft Cloud Manager has many advantages for customers who run their PeopleSoft environments in the cloud.

### Flexibility and agility

PeopleSoft Cloud Manager enables you to quickly provision new PeopleSoft instances or clone existing ones, making it easier to set up project, development, testing, acceptance, reproduction and even production environments as needed. This flexibility accelerates your development and testing cycles. And may improve your incident resolution process.

### Scalability

PeopleSoft Cloud Manager allows you to quickly scale your PeopleSoft environments up or down based on your organisation's needs. By leveraging the pay-per-use principle from the cloud, this scalability ensures that you can handle fluctuations in user demand without investing in and managing physical hardware.

With automatic scaling based on the actual usage of your PeopleSoft application, the PeopleSoft Cloud Manager will help you deliver the performance needed for your business at the time it is needed while saving costs when the PeopleSoft application is sitting idle.

### Cost efficiency

By leveraging Oracle Cloud Infrastructure (OCI), you save upfront capital expenses associated with hardware and data centre facilities. You can also

optimise costs by paying for cloud resources on a pay-per-use basis, helping to eliminate over-provisioning of resources (for just being on the safe side).

### Automated lifecycle management

PeopleSoft Cloud Manager automates routine maintenance tasks such as installation, patching, and updates. This reduces manual effort and the risk of errors while ensuring that your PeopleSoft environments are up-to-date and secure.

### High availability

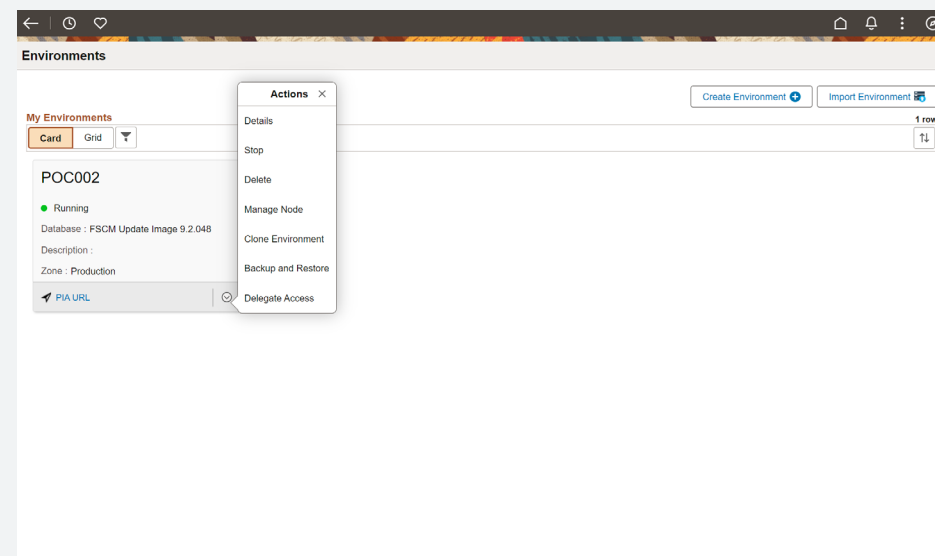
By combining the high availability features from OCI with the load balancer and failover support within PeopleSoft Cloud Manager, PeopleSoft Cloud Manager helps you ensure the high availability and reliability of your PeopleSoft environment.

### Reduced maintenance costs

The level of automation offered by PeopleSoft Cloud Manager helps reduce maintenance costs by taking routine work out of the hands of your PeopleSoft specialists. This lets you spend your time and budget on more strategic initiatives.

## What can you do with PeopleSoft Cloud Manager?

Key features and capabilities of PeopleSoft Cloud Manager include:



The environment overview dashboard within PeopleSoft Cloud Manager.

### Automatic provisioning

PeopleSoft Cloud Manager allows you to provision PeopleSoft environments in the cloud easily. It delivers a way to define your own PeopleSoft environments and save them as deployment templates. These templates can then be used by self-service users, like key users, project members, developers or functional support team members, to create their own demo, playground or project environments on demand for their specific use cases.

### Automatic scaling

PeopleSoft Cloud Manager allows for automatic scaling of PeopleSoft environments, including creating new instances or scaling existing ones up or down based on business demand. The auto-scaling feature depends on the data science service Oracle Cloud Infrastructure (OCI) provides.

### Automated PeopleTools upgrades and patches

With PeopleSoft Cloud Manager, you can perform automatic PeopleTools upgrades and patches at the click of a button.

### Automated Critical (security) Patch Updates (CPU)

With PeopleSoft Cloud Manager, you can perform the quarterly Critical Patch Updates automatically with a click of a button.

### Up-to-date PeopleSoft Update Manager (PUM)

PeopleSoft Cloud Manager can automatically apply the latest PeopleSoft Image (PI) and PeopleSoft Release Patchset (PRP) to your PeopleSoft Update Manager (PUM) instance. So, your PeopleSoft Update Manager is now always ready to use.

### Automated patch download

Subscribing to relevant update channels allows the PeopleSoft Cloud Manager to automatically download updates and patches for your PeopleSoft applications.

### Self-update

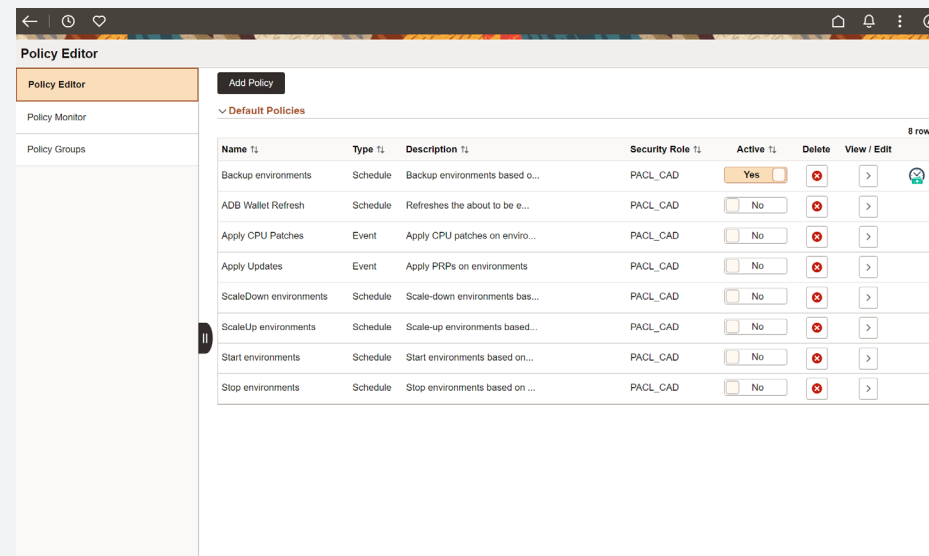
The PeopleSoft Cloud Manager can automatically update itself to the latest version of the PeopleSoft Cloud Manager application. So, you don't need to worry about maintaining this extra PeopleSoft application.

### Clone environments

With PeopleSoft Cloud Manager, you can clone PeopleSoft instances at the click of a button. Self-service users can create a clone of a specific environment on demand to support their work.

### Backup and restore

With PeopleSoft Cloud Manager, you will get self-service functionality for backup and restore operations at the click of a button. This allows your key users, project members, developers, or functional support team members to progress faster by enabling them to run more destructive or data-changing test cases.



The Policy Editor within PeopleSoft Cloud Manager enables further automation.

### Policy manager

With the Policy Manager of the PeopleSoft Cloud Manager, you can use events and scheduling to define automated actions in your PeopleSoft environments. Policy Manager lets you automatically start and stop environments (to prevent costs), take backups and restore environments so they are ready when your users need them.

### Lift and shift

PeopleSoft Cloud Manager automates the Lift and Shift migration of your existing PeopleSoft instances to Oracle Cloud Infrastructure (OCI).



## 6

### Running PeopleSoft from other clouds: what options are there?

Oracle Cloud Infrastructure (OCI) is not the only place where you can run PeopleSoft. Technically, you can run PeopleSoft on any cloud that provides infrastructure (IaaS)-based services. But what options are available that do not sacrifice the support you get from Oracle on your PeopleSoft application? In this chapter, we take a look at the possibilities of running PeopleSoft on other hyperscalers, like Microsoft Azure, Amazon Web Services (AWS) and Google Cloud.

#### **Running PeopleSoft on Azure**

Microsoft Azure is among the most popular hyperscalers in Europe. In market share, Azure takes second place globally. So, many customers are definitely looking for the option of running PeopleSoft on Azure. Running PeopleSoft on Azure is something you can do without issues.

**'When running PeopleSoft on Azure, you get the same functionalities from PeopleSoft as running on-premise, not more and not less.'**

You will not get the advantages of PeopleSoft Cloud Manager and, thus, are bound to perform more activities manually. Just as you are used to do in your on-premise environment. The only real difference is that you are using cloud infrastructure (which may have its advantages compared to on-premise) instead of the bare metal or virtualised servers you are using on-premise.

Although Azure has a Database-as-a-Service (DBaaS) offering for SQL Server, you cannot take advantage of it if your PeopleSoft application runs on Microsoft SQL Server. PeopleTools does not support the Managed Cloud Database Service or Azure SQL Database. So, you are bound to run a classic SQL Server installation on a virtual machine.

Running PeopleSoft on Azure is a logical choice if you are bound to Microsoft SQL Server. If you technically cannot migrate your PeopleSoft database from SQL Server to an Oracle Database, also on Oracle Cloud Infrastructure (OCI) you are unable to leverage the advantages of PeopleSoft Cloud Manager.

When choosing to run PeopleSoft on Azure, there is only one small support limitation you will need to take into account. If Oracle Support cannot reproduce your issues internally, which might be Azure-specific, you are required to reproduce the issue on a non-Azure PeopleSoft environment to get support on the issue.

### Running PeopleSoft on AWS

Amazon AWS is the largest and most popular hyperscaler globally. Many organisations have PeopleSoft running on AWS without issues. Just like with Azure, on AWS, you get the same functionalities from PeopleSoft as running on-premise - not more and not less. On AWS, you will also miss out on the advantages of PeopleSoft Cloud Manager. You are just using the cloud infrastructure to host your PeopleSoft application. From an infrastructure

perspective, this may have its own advantages, but from a PeopleSoft perspective, there's no real difference with on-premise.

With its Relational Database Service (RDS), Amazon has a Database-as-a-Service (DBaaS) offering for both Oracle Database and Microsoft SQL Server. Despite being technically able to get PeopleSoft running on Amazon RDS, Oracle does not certify this solution for PeopleSoft. This means that on AWS, you are also bound to run a classic database installation on an elastic compute cloud resource.

Running PeopleSoft on AWS is a logical choice if the AWS ecosystem offers important services you won't miss out on. If you have both Oracle Support and Amazon Premium Support accounts, multi-vendor support is available on AWS.

### Running PeopleSoft on Google cloud

Google Cloud takes the third position globally among the hyperscalers. For PeopleSoft, Google Cloud is not a real option.

**'Although you might get it to work technically, from a support and licence perspective, Google cloud is a no-go.'**

The Oracle Database and other middleware components within the PeopleSoft stack are not authorised or supported for use on Google Cloud.

If you want to go the Google way, the only legal way is to go entirely bare metal. But are you then really moving PeopleSoft to the cloud? Or are you just using some other data centre?

## Are other clouds an option?

With Azure, AWS and Google Cloud, we covered the three leading hyperscalers in terms of market share. However, dozens of other cloud providers offer Infrastructure-as-a-Service (IaaS). From a technical perspective, you most likely can build a working PeopleSoft environment on top of them.

However, as seen with Google Cloud, this does not mean it will be certified, supported, or authorised. As PeopleSoft has many Oracle software components in its stack, and as these components generally only are authorised to be used on Oracle Infrastructure Cloud (OCI), Azure and Amazon EC2 or RDS,

**'it's safe to assume, as a rule of thumb, that running PeopleSoft on another Cloud infrastructure provider of your choice will not be certified or supported.'**

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## 7

### Governance and Compliance: are you in the driver's seat?

All hyperscalers applicable to PeopleSoft offer some compliance certifications and tools to help organisations meet regulatory requirements. Depending on the industry you're in, these can be crucial for your decision whether or not to move to the cloud.

Different industries and regions have specific data storage, privacy, and security regulations. It's crucial to ensure that your Cloud venture complies with the rules that apply to you. Examples include the General Data Protection Regulation (GDPR) in Europe, the Health Insurance Portability and Accountability Act (HIPAA) in US healthcare, the Payment Card Industry Data Security Standard (PCI DSS) in the payments industry, and System and Organization Controls (SOC) 2 for service organisations.

#### **Shared Responsibility Model**

It is essential to understand that governance and compliance are more complicated in the cloud than in the classic on-premise world. All public cloud providers work with a shared responsibility model.

Under this model, the cloud provider takes responsibility for some compliance-related aspects; however, most of the compliance aspects lie with you, the customer, or end user.

**‘All cloud providers expect you to ensure that your data is protected according to the governance and compliance frameworks applicable to your business.’**

## Sovereign Clouds

Laws and regulations differ between countries and regions. This may impact your ability to move PeopleSoft to the cloud while you still need to comply with the rules and regulations that affect your business. To counter this issue, relevant hyperscalers introduced specific cloud offerings that deliver some form of sovereignty for PeopleSoft.

A sovereign cloud denotes a cloud computing infrastructure specifically tailored to store your business’s data within the borders of a specific country or region. Here, data, along with its metadata, resides on servers situated within the confines of your country or region, ensuring adherence to domestic regulations and safeguarding against foreign intrusion.

## Oracle EU Sovereign Cloud

To accommodate EU data protection and sovereignty requirements, Oracle introduced its Oracle EU Sovereign Cloud as a dedicated version of Oracle Cloud Infrastructure (OCI) for all EU countries in the summer of 2023.

The Oracle EU Sovereign Cloud is designed to adhere to EU laws and regulations by implementing provisions as:

- Complete segregation from other OCI regions
- All organisational entities are located in the EU
- Support and operations from the EU
- All staff located within the EU and restricted to EU residents
- Additional data protection measures for access from outside the EU
- Dedicated data centres in Frankfurt, Germany and Madrid, Spain.

Oracle EU Sovereign Cloud offers about 100 of the same services, costs and Service Level Agreement (SLA) as with the public Oracle Cloud Infrastructure (OCI) offering.

## Microsoft Cloud for Sovereignty

In its attempt to accommodate sovereignty in Azure, Microsoft introduced its Cloud for Sovereignty solution in mid-2022. Unlike Oracle’s approach, Microsoft’s solution is entirely policy-based. There are no really segregated Azure regions or dedicated data centres.

At the start of 2023, Microsoft also introduced the EU Data Boundary Initiative, which allows you to define a geographically defined boundary within Microsoft has committed to store and process customer data.

Some examples of out-of-the-box policies, that help you to enforce compliance and are offered by Microsoft under its Cloud for Sovereignty solution, are the following:

- General: Sovereignty Baseline
- European Union: EU General Data Protection Regulation (GDPR)
- Netherlands: Baseline Informatiebeveiliging Overheid (BIO)
- Germany: IT-Grundschutz
- United Kingdom: Government Cloud (G-Cloud).

## AWS European Sovereign

Amazon announced in October 2023 that it will launch an EU Sovereign version of Amazon Web Services (AWS). The approach chosen by Amazon is more like Oracle’s. Amazon designed the AWS European Sovereign Cloud to be separate and independent from its existing regions, with the first dedicated data centre in Frankfurt, Germany. Also, all staff will be based on EU residents and located within the EU. Currently, no general availability (GA) date is set for AWS European Sovereign.

## Outsourcing Regulations

In addition to the numerous data and privacy protection regulations that could affect your ability to migrate PeopleSoft to the cloud, moving PeopleSoft to the cloud involves outsourcing (some of) your activities. And this outsourcing itself may be bound to its own set of rules and regulations.

Thus, ensuring that your cloud venture complies with regulations governing outsourcing activities is even more crucial. For example, the EU Directive 2009/138/EC (Solvency II) in Europe enforces specific restrictions on outsourcing. Other legislative and governing bodies may also impose guidelines and regulations that may apply to your business.



## 8

### Migration approach: four gated phases

Depending on the cloud of your choice, there are several possible migration scenarios possible. Each scenario has different technical details and possibilities. However, once the decision about which cloud to use has been made, the generic approach for executing a transition project should be the same.

Our migration approach is structured, on a high level, in four gated phases:

- **Research** | Investigate the requirements, constraints and possibilities.
- **Plan and proof** | Initiate the transition project, create a project plan, and prove the proposed solution is feasible.
- **Transition** | Execute the transition project with clear milestones and acceptance moments.
- **Run** | Go-live on the cloud and organise a hypercare period to address potential issues proactively.

## Migration approach: four gated phases

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### 01 | Research

Workshop preparation  
Requirements workshop  
Global cost estimate  
Go/No-Go for phase 2



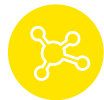
### 02 | Plan and proof

In-depth workshops  
Proof of Concept  
Project preparation and planning  
Final offer and cost estimate  
Go/No-Go for phase 3



### 03 | Transition

Realisation  
Acceptance  
Support contract and handover  
Go/No-Go for phase 4



### 04 | Run

Go-live  
Aftercare  
Normal run operation

‘Follow a structured approach’

Unleash the power of technology



# CHAPTER NINE.

## 9

### Making the right choice: what factors do you need to consider?

Choosing the right cloud to run your PeopleSoft application depends on your organisation's unique needs and circumstances. Factors to be considered include the status of your existing PeopleSoft application, your existing technology stack and current system integrations and customisations.

Geography, availability of skills and knowledge and existing relationships with cloud providers also influence decisions, as do specific constraints on cost, performance, scalability, compliance, availability and disaster recovery. In addition, you may be experiencing data gravity: as data accumulates in your system, it becomes more burdensome and more costly to move and process, making it more cost-effective to process it where it resides.

Look at your current process and technology, consider your strategic goals and choose a path forward that will get you there. Take steps towards getting the most out of cloud technology without disrupting your operations.

But the most important thing is to get started.

# CHAPTER TEN.

# 10

## Get started on your move to the cloud: a step-by-step guide

If you are interested in starting your journey to the cloud, we at Blis Digital can help you navigate all phases of your journey.

### Step 1



Watch our **Feature Focus** episodes on PeopleSoft Cloud Manager to better understand how it will help you in your work with PeopleSoft.

### Step 4



Ask us for an offer to migrate your PeopleSoft application to the cloud.

### Step 2



Perform our **Cloud readiness quick scan** to discover the possibilities and limitations of moving your PeopleSoft application to the cloud.

### Step 5



Perform the migration of your PeopleSoft application with the help of our **Lift and Shift** or **Implementation Services**.

### Step 3



Execute a **Strategic Assessment** with us to evaluate your options. And get the required insights to build your business case.

### Step 6



Login to the PeopleSoft application you know and are familiar with. Now served from the cloud.

### Can we help you?

The cloud is here to stay. Make the switch with Blis Digital.

# Taking PeopleSoft to the cloud

Moving PeopleSoft to the cloud is a major decision for your organisation. It involves some risks but will ultimately bring a wealth of benefits to your business. At Blis Digital, we can help you make your cloud transition as smooth as possible.



[blisdigital.com](https://blisdigital.com)

## Erik Kruihof

Erik Kruihof is a technical PeopleSoft consultant and solution architect at Blis Digital. Erik has over 16 years' hands-on experience with PeopleSoft. As technical consultant Erik works for various customers and is primarily involved in PeopleSoft Cloud, upgrade and customization projects.

