Ensuring Cloud Success

How to Get the Most Out of Oracle Cloud Infrastructure

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INTRODUCTION

Two Reasons to Migrate to the Cloud

If you were to ask any C-level executive within any industry what is driving their decision to migrate to the cloud, the answer would most likely be centered around two main reasons…

First, IT is spread too thin. In this digital age, IT companies are expected to expand their services and abide by stricter SLAs without extending resources, personnel or the necessary skills to keep up. The cloud allows for quicker deployment for IT to meet the needs of users. It also offers the space for innovation, growth, and flexibility in the digital age.

The second reason involves the need for more data center storage. The cost and complexity of data center storage has increased exponentially and has created a demand for new skills, analytics tools and high-level capabilities to handle critical workloads and maintain business availability. The cloud offers data-management solutions to sustain the rapid pace of data growth.

Cloud services have become absolutely necessary in the digital landscape of the world today, especially for businesses that need more than what on-premises IT can offer. Data has increased in value in recent years - becoming nearly as valuable as financial capital even. For this reason, it is important that a cloud service and the data that it contains is handled with extreme care.

This raises the question…

How can you migrate your application workloads, their critical data, and the systems that rely on it over to the cloud - without causing risks, extra costs, or interruptions?

In this e-book, we'll discuss five solutions for ensuring success as you migrate your mission-critical workloads such as PeopleSoft, Ellucian Banner ERP, Oracle database and warehouse, Hyperion and OBIEE applications to Oracle Cloud Infrastructure.
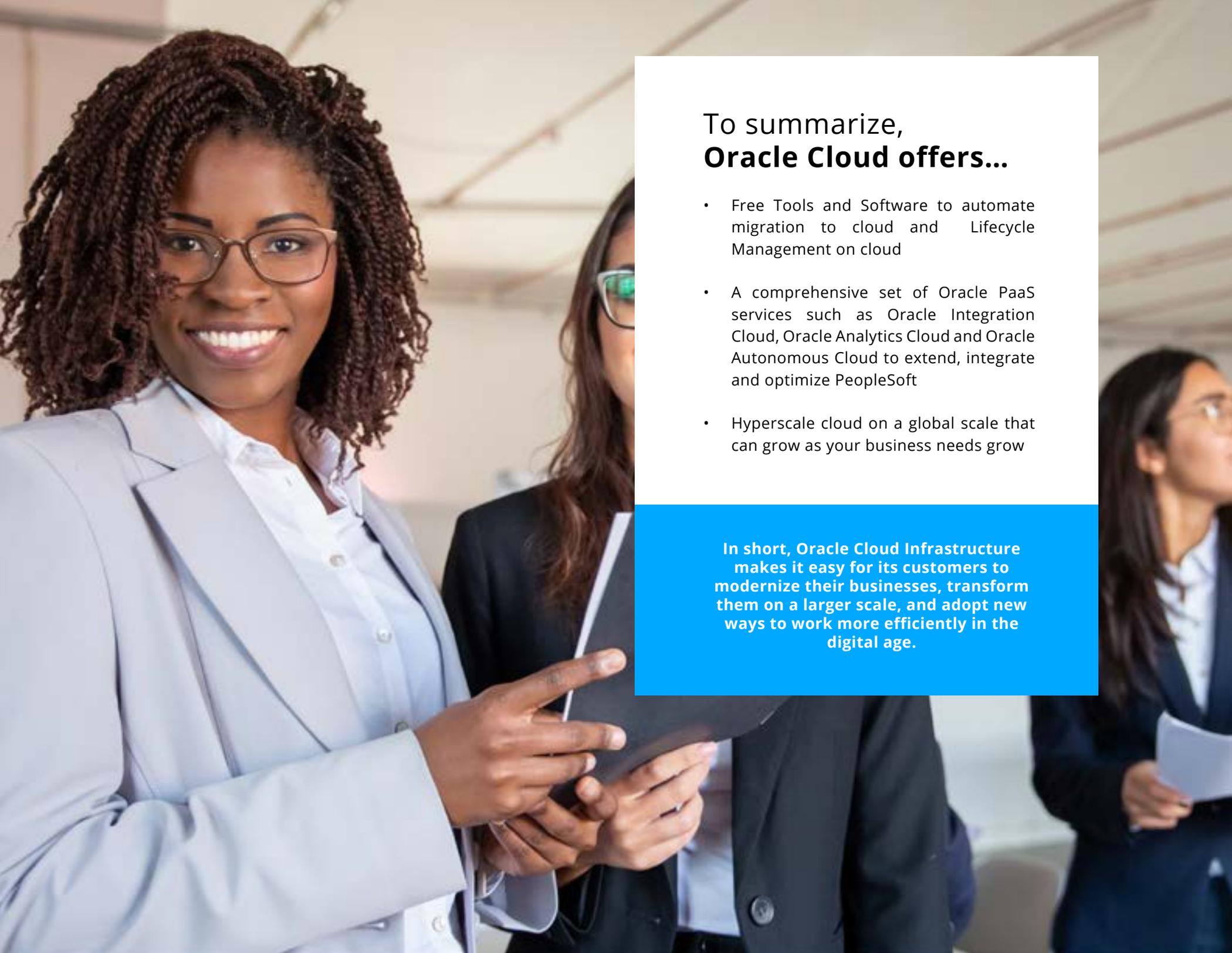
Migrating PeopleSoft to
Oracle Cloud Infrastructure

PeopleSoft is one of several applications that have been the life-support of many leading organizations across all industries for years. Major corporations and enterprises have not only invested time and money into PeopleSoft, but have also built embedded practices and operational rules on the application. For many businesses, PeopleSoft Human Capital Management, Financial and Supply Chain Management, and Campus Solutions applications are tightly integrated with many on-premises and third-party applications and databases.

While migrating your PeopleSoft application stack and related applications, infrastructure and databases to the cloud may seem like a complex and time-consuming task, this isn't the case with Oracle Cloud. Oracle Cloud Infrastructure is purpose-built for PeopleSoft offers tools to automate the lift-and-shift process of PeopleSoft and Oracle databases in just a few steps.

PeopleSoft is already 100% compatible with Oracle, and to make it even simpler, Oracle offers tools such as PeopleSoft Cloud Manager exclusively on Oracle Cloud Infrastructure for application lifecycle automation that make post-migration management and maintenance easy and efficient. You can choose to migrate PeopleSoft to Oracle Cloud as-is without any application, database or infrastructure changes, or you can use the cloud migration project as an opportunity to right-size your architecture, improve performance, improve security and have robust disaster recovery on Oracle Cloud. Either way, you can quickly modernize your operations while sustaining your existing investments.

To summarize,
Oracle Cloud offers…

- Free Tools and Software to automate migration to cloud and Lifecycle Management on cloud

- A comprehensive set of Oracle PaaS services such as Oracle Integration Cloud, Oracle Analytics Cloud and Oracle Autonomous Cloud to extend, integrate and optimize PeopleSoft

- Hyperscale cloud on a global scale that can grow as your business needs grow

In short, Oracle Cloud Infrastructure makes it easy for its customers to modernize their businesses, transform them on a larger scale, and adopt new ways to work more efficiently in the digital age.

Migrating Non-Oracle Apps to **Oracle Cloud**

Every business has its own unique and diverse applications and deploying solutions from different vendors such as Ellucian Banner ERP and SAP to name a couple. This allows a business to establish the exact chain of capabilities that it needs to work smart and be successful. However, an application environment that is made up of so many distinct parts can be challenging to migrate to the cloud without causing interruption or downtime.
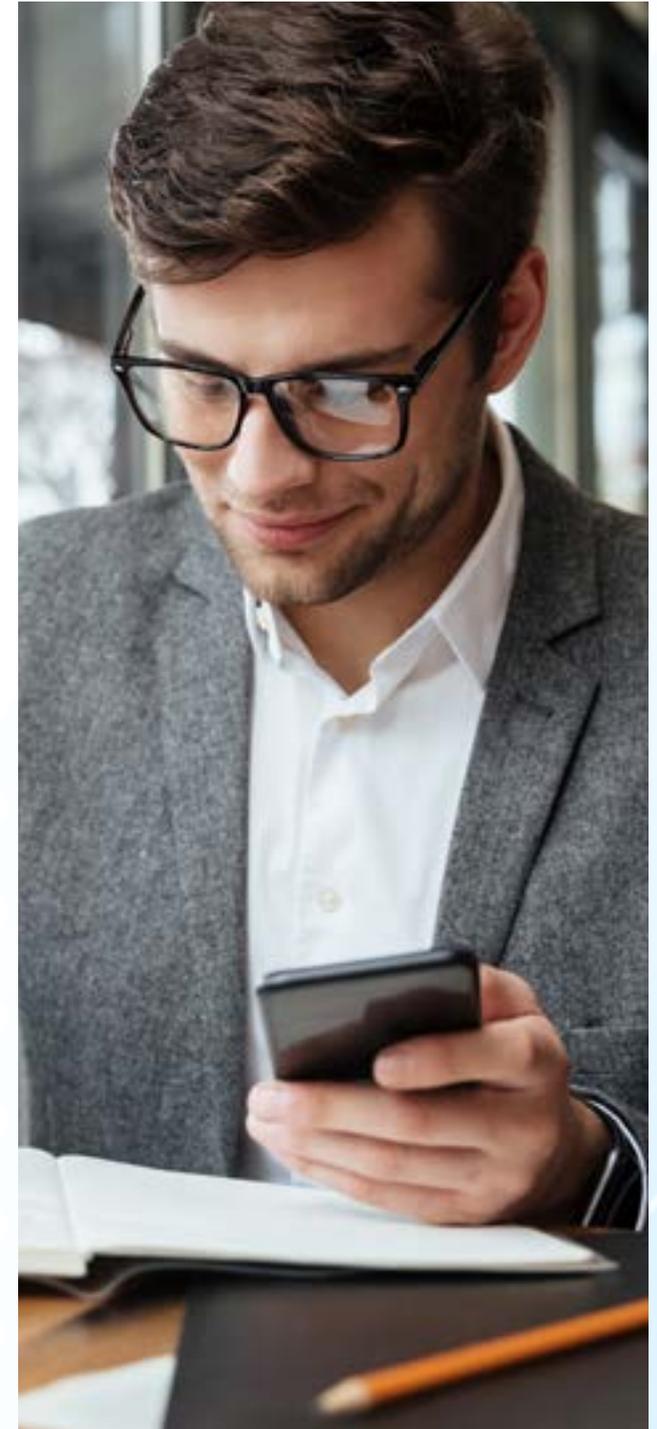
A collaborative application environment has its obvious advantages. It allows you to bridge the gaps between applications, simplify app management, easily share data and boost agility and flexibility within the cloud. However, if your vendor of choice does not support custom integrations and app extensions like these, your applications aren't any better than when they were living on racks in your data center.

An essential first step before migrating to the cloud is to consider how to move your mission-critical applications without causing any risks for the operations that rely on them. It is also important to consider how to quickly migrate your database, as many applications cannot function without it.

Rackware is an ISV solution that provides automation tools to migrate any application and infrastructure workload (Windows or Linux based) from any location to Oracle Cloud with ease and speed at a very low cost. It allows you to quickly and easily navigate your custom application migration and guarantees interoperability between cloud and on-premises systems. In addition, the following Oracle tools can also be used for various Cloud Use Cases:

- **Oracle GoldenGate Cloud Service** for real-time data-integration and data-replication service
- **Oracle Ravello Cloud Service** for deploying virtual environments and workloads on OPC, AWS, Google Cloud without modifications

Replatform all of your apps and databases, connect SaaS solutions and expand your critical application use - all with Oracle Cloud.

Next Generation
of
Data Management

Every IT leader understands that incremental changes around the edges just don't cut it and moving the entire organization's computing solutions to the Cloud provides only a partial solution. Rather than putting a bandage over the issue, you need to get inside and fix the problem at the core. In order to do that, you need to rethink data management for the cloudnative world.

Data management needs to be able to manage the core activities of performance, security and availability on its own in a secure, available, scalable and cost-efficient manner. To achieve data management as a service in this fashion, you need a new kind of database.

Oracle Autonomous Database empowers IT leaders to transform new and existing applications with the most secure, efficient and effective solutions. You can gain the leading-edge data management services with Oracle's top-performing platform, Exadata.

With Oracle Autonomous Database, you can accomplish the following tasks:

- Data Encryption
- Diagnostics Pack
- Tuning Pack
- Real Application Testing
- Data Masking, Redaction and Subsetting
- Hybrid Columnar Compression
- Database Vault
- Database In-Memory (subset) – in Autonomous Data Warehouse
- Advanced Analytics (subset) - in Autonomous Data Warehouse

Oracle Autonomous Database is self-driving, self-securing, self-repairing, and can be optimized for any workload to provide a level of performance and availability that traditional, manually-managed databases cannot deliver.

The **Power** of **Oracle** **Cloud Platform Services**

Platform as a Service (PaaS) provides the infrastructure and middleware elements that allow developers, IT administrators, and end users to properly migrate, build, and deploy applications. PaaS is an effective tool to aid productivity by delivering ready-to-use programming components to enable you to build new capabilities into your capabilities and innovative capabilities, including artificial Intelligence (AI), chatbots, blockchain and Internet of Things (IoT).

Oracle offers the following tools to integrate seamlessly with their PaaS services:
- Oracle Integration Cloud
- Oracle Digital Assistant
- Oracle Analytics Cloud

Oracle Cloud's solutions can help to standardize and simplify IT operations, increase productivity and efficiency for business innovation with ready-to-use components, and reduce risks that may affect your operational, security and governance capabilities.

Database Backup
and
Disaster Recovery

In the landscape of modern business, data equals capital. If data becomes unavailable for any reason, operations are put on pause, productivity slows, and your entire business can screech to a halt.

For this reason, disaster recovery and backup have grown from being solely about preventing data loss and protecting information to being an essential part of a business's operations to ensure basic business continuity.

If your regular backups are stored in a single location using a traditional on-premises backup tool, you're at risk for disaster. If you're still investing in multiple offsite locations to store your backups, you're wasting valuable time and money.

Oracle Cloud can ensure business continuity with its solutions for database backup and disaster recovery. It offers scalable storage resources and a pay-as-you-use pricing model that allows you to instantly store and access data from sites within the cloud. The cloud allows you to reduce costs and solve problems much faster if and when an emergency arises. Additionally, Oracle Cloud-based solutions spread data across multiple sites.

Oracle Database Backup Cloud Service allows you to...
- Easily integrate with your existing cloud, on-premises, and hybrid database environments
- Keep your backups safe and secure with end-to-end encryption
- Prevent falling short from a single point of failure
- Gain secure, cost-effective disaster-recovery solutions
- Reduce CapEX and OpEx
- Improve ROI with an active disaster-recovery standby

Oracle Database Backup Cloud Service automates disaster recovery and improves your business continuity by eliminating your dependency on complex and tactical operations.

CONCLUSION

Migrating your PeopleSoft application environment onto the Oracle Cloud Infrastructure can be done in just a few easy steps. With Oracle, you can modernize and transform the way your business operates to gain a competitive advantage in the digital age. PeopleSoft with Oracle Cloud provides an efficient way to reduce costs, lower risks associated with traditional data management, and achieve the most value out of your data sources.

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