AURAPLAYER
BE AGILE, GET CONNECTED, GO MOBILE

ROADMAP TO SUCCESS

DIGITAL DECOUPLING

PHASED MIGRATION APPROACH TO ORACLE MODERNIZATION

An innovative, low-risk strategy for achieving your Oracle Forms digital modernization goals.

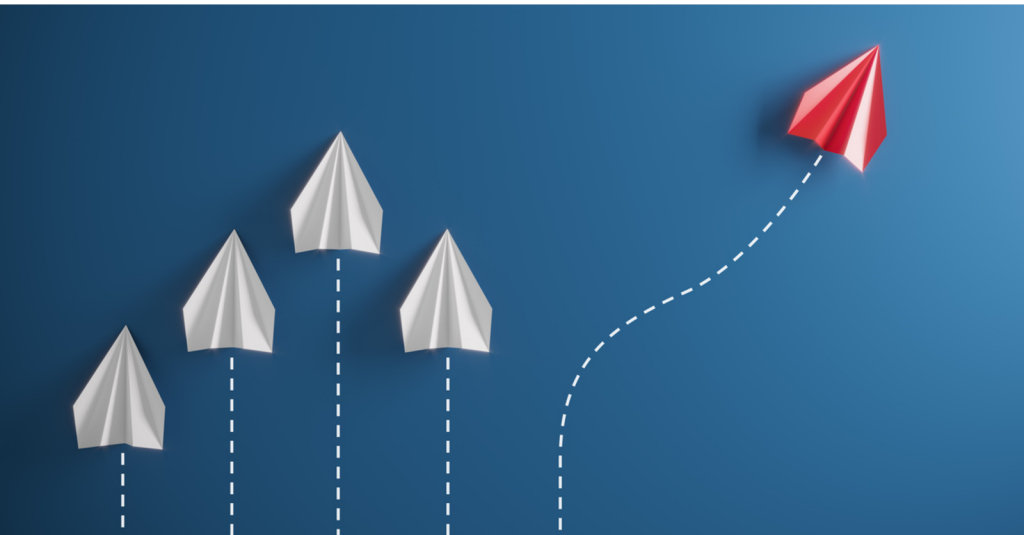


Table of Contents

1 The dilemma of legacy modernization

2 The phased migration approach

3 The stages of phased migration

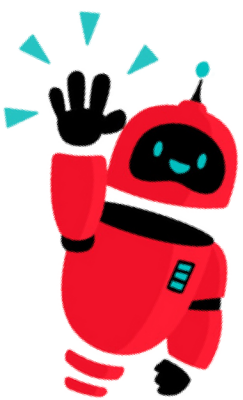
4 Modernizing with microservices - How does it work?

5 Business benefits of phased migration

6 Customer case study

7 About AuraPlayer and the author

Use this guide to ensure you're on the road to digital success



AURAPLAYER
BE AGILE, GET CONNECTED, GO MOBILE

The Dilemma of Legacy Modernization

Oracle Forms and E-Business Suite (EBS) applications have long been the backbone of global enterprises. No matter where you are in the world, the chances are high that when you book a hotel, board a flight, file an expense, or pay taxes, an Oracle Forms based application is handling the process.

With unmatched stability, reliability, and scalability, these applications are indispensable for handling mission-critical operations — and with Oracle's renewed commitment to ongoing support, they remain as vital as ever.

However, as digital transformation takes priority, many companies mistakenly believe that the only way to achieve digitization is through a multi-year, million dollar transformation with a full migration to cloud-based solutions. This perception can make companies hesitant to modernize their existing Forms/EBS systems, fearing that such investments might be wasted if they migrate later.

But this is a **BIG misconception**. One that ultimately prevents companies from innovating and tackling their most pressing business challenges by **modernizing existing systems TODAY**.

30% of migration projects exceed their timeline and budget due to unforeseen complications.

The solution

This datasheet introduces a phased-migration approach resulting in immediate business gains while moving you closer towards long-term modernization / migration goals.
Learn how to incorporate new digital elements TODAY that can continue to be used in the case of eventual migration.

By modernizing existing Forms and EBS systems while preserving their stability, businesses can **gain immediate benefits** without waiting for a multi-year migration. This phased approach enables gradual adoption of future technologies, avoiding the risk and cost of an all-or-nothing overhaul.

By embracing this approach companies are able to continuously advance, adapt, and strategically position themselves for the future without the risk of falling behind.

Rather than viewing modernization as a stopgap, it turns it into a strategic step forward — to unlock the potential of legacy systems and lay the groundwork for future growth. This allows organizations to enjoy the best of both worlds: the stability of proven systems and the flexibility of modern, innovative front-ends.

Phased migration is A PROVEN method that brings agility and rapid results.

The phased migration approach is based on the successful model of mainframe modernization.

For the last 40 years, analysts have said that enterprises must decommission their mainframes; however, in today's IT environment, **over 70% of Fortune 500 companies are *still* running their business applications on top of the mainframe.**

- 90% OF THE TOP 50 BANKS
- 80% OF THE TOP 100 INSURERS
- 80% OF THE TOP 10 RETAILERS
- 80% OF THE TOP 5 AIRLINES
- 80% OF THE TOP 10 TELCOS
- 67% OF THE FORTUNE 100

In reality, the mainframe hasn't become extinct, but has remained the cornerstone of enterprises worldwide:

The key is to leverage existing investments and extend them to new user experiences, just as enterprises have done with mainframes.

AURAPLAYER
BE AGILE, GET CONNECTED, GO MOBILE

How have Fortune 500 companies achieved system modernization while still running their applications on the mainframe?

Many Fortune 500 companies have successfully achieved this through an approach called **“digital decoupling”**. This entails “decoupling” the data layer from the legacy system or “breaking down” architecture into more reusable chunks. In this way, the mainframe remains part of the back-end, while the front-end becomes modernized with newer and cloud-based technologies to offer rapid innovation and improved functionality.

“Big Bang” vs Modernization Microservices

Migration/redevelopment projects can be costly, lengthy, and risky – and don't bring immediate gains.

The value of modernizing with microservices:

- **Reduced risk**
- **Reduced cost**
- **Immediate results**
- **Future-proofed environment - new UIs can continue to be utilized even after the migration**

Phased migration allows your business to evolve at its own pace.

The phased migration approach allows organizations to enhance current systems with new technologies through the use of microservices. **This delivers immediate results and ROI while also setting the stage for future cloud agility.**

The Stages of Phased Migration

1. **Upgrade**
   Upgrade and patch Oracle systems to the latest versions, including security patches.

2. **Modernize**
   Implement sleek, next-gen user interfaces that are seamlessly connected to existing Oracle back-ends via AuraPlayer's powerful APIs.

3. **Migrate**
   Reverse engineer Oracle processes into DB stored procedures to separate them from the Oracle application, or migrate processes to SaaS applications with prebuilt APIs - while preserving the investment made in the new interfaces.

Phased migration is the optimal modernization strategy for limiting risk and maximizing ROI.

By utilizing Robotic Process Automation (RPA) and REST APIs, enterprises can upgrade their systems and rapidly achieve new digital capabilities without needing to complete a expensive, lengthy, and risky overhaul.

AuraPlayer's intuitive AI toolbar instantly extends Oracle Forms processes as REST APIs for integration and connection to next-generation user interfaces. Following this first stage REST enablement, developers can then set out to reverse engineer the legacy Forms into database stored procedures to completely separate them from the Oracle application or migrate them to cloud SaaS prebuilt APIs.

AURAPLAYER
BE AGILE, GET CONNECTED, GO MOBILE

Phased migration ensures business continuity, stability, and optimal performance at a low cost.

Business benefits of phased migration include:

Immediate gains from rapid innovation, while slowly transitioning to the cloud.

Increased agility by eliminating the rigidity and limitations of legacy systems.

Continuous ROI from the new front-ends, as new modernized web and mobile interfaces can continue to be used throughout the entire migration process.

Reduced downtime, as individual components can be tested or tweaked without disrupting operations.

Costs that are spread out as you scale up over time, rather than being hit with a large one-time expense.

Embracing a phased approach to modernization enables **immediate gains, sustained performance, and a seamless transition**. This strategy will not only solve your organization's current business needs, but also help you set the foundation for future technological advancements.

It's never been easier to bring your organization into a new era of efficiency, agility, and innovation.

Need help getting started?

Speak with one of our Oracle experts

AURAPLAYER
BE AGILE, GET CONNECTED, GO MOBILE

Case Study

Major US Transit Authority

USA's largest transit authority carrying over 11 million passengers in over 850,000 vehicles per weekday, used digital decoupling for phased migration from Oracle Forms to a modernized Ionic-based, mobile/web, database-centric environment. This phased approach allowed them to maintain system stability and performance throughout the entire process and achieve rapid results with minimal risk and cost.

Challenge

They sought to give 27,000 bus, subways, and train drivers remote access to their leave balances, work schedules and timecards, without requiring changes to the existing mission critical Oracle Forms backend.

Solution

AuraPlayer's solution was used to wrap their Oracle Forms applications & database elements as REST services and connect them to a new UI using an Ionic framework secured with multi-factor authentitcation. This allowed them to seamlessly incorporate a new mobile layer for their mission-critical processes, without requiring redevelopment.

Drivers are now able to access their timecards, pick details, and schedules from any device and from any location, without having to come into a transit office.

The mobile app is used for ~100,000 transactions daily.

AURAPLAYER
BE AGILE, GET CONNECTED, GO MOBILE

About the Author

Mia Urman

CEO, AuraPlayer, Oracle Ace Director

Mia Urman is an expert in Oracle development technologies, with over 25 years of experience consulting on Oracle products. Mia is the CEO and co-founder of AuraPlayer, a technology company offering solutions to modernize Oracle Forms and EBS as microservices to mobile/web, RPA automation, and chatbots. Mia presents at conferences worldwide and has made it her mission to help Oracle users get the most out of their existing investments.

Let's get connected!

miaurman

@miaurman

miaurman@auraplayer.com

miaurman.medium

Schedule a call

AURAPLAYER
BE AGILE, GET CONNECTED, GO MOBILE

About AuraPlayer

AuraPlayer's patented technology automatically generates REST APIs, mobile applications, and RPA automations from existing back-office applications, to help you begin your digital transformation while leveraging existing investments.

AuraPlayer's RPA solution is built specifically for Oracle Forms and E-Business Suite and is designed to handle all of your Oracle complexities and customizations without the need for additional coding. It is available as a standalone tool or as a plug-in to leading RPA platforms to ensure stable Oracle automation.

Let us join your Oracle modernization journey.

@auraplayer

@auraplayer

@AuraplayerAdmin

info@auraplayer.com

www.auraplayer.com

Schedule a call

AURAPLAYER
BE AGILE, GET CONNECTED, GO MOBILE