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Simplify and Automate the Administration of Oracle JD Edwards EnterpriseOne 9.2

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Simplify and Automate the ongoing maintenance of JD Edwards to ensure that the product's total cost of ownership remains low while taking advantage of the significant innovation opportunities available in the Oracle JD Edwards ecosystem.

PURPOSE STATEMENT

This document provides an overview of features and enhancements included in release JD Edwards EnterpriseOne 9.2 It is intended solely to help you assess the business benefits of upgrading to JD Edwards EnterpriseOne 9.2 and to plan your I.T. projects.

DISCLAIMER

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This document is for informational purposes only and is intended solely to assist you in planning for the implementation and upgrade of the product features described. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described in this document remains at the sole discretion of Oracle.

Due to the nature of the product architecture, it may not be possible to safely include all features described in this document without risking significant destabilization of the code.

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INTRODUCTION – THE EVOLUTION OF ON-PREMISE ERP SYSTEMS

During the late 1990s, as companies were standardizing their business processes and preparing for the impending Y2K software challenges, a technology shift began. Businesses started looking at whether it was time to move forward from their in-house developed and proprietary systems to the cutting-edge ERP systems that had started to capture the mindshare of technology executives around the world.

When the technology shift started, many technology executives faced the question of whether to invest in and integrate best-of-breed solutions with their core systems, or to purchase a pre-integrated software suite that worked seamlessly without as many integration requirements and costs. Long-running and complex projects with high capital expenditures were the norm. Executives carefully considered their return on investment (ROI) and the total cost of ownership (TCO) formula or the 10-year costs to procure, install, configure, customize, upgrade, and maintain their corporate systems to determine what type of system was the best fit for their business.

JD Edwards has long been a tier-one on premise ERP solution, in large part because of the balance of rich functional capabilities across a complete ERP suite and the low TCO of the solution. As the JD Edwards product development team has continued to improve the product by leveraging innovative capabilities of the larger Oracle ecosystem, it has become increasingly important to Simplify and Automate the ongoing maintenance of the JD Edwards system to ensure that the product's TCO remains low.

The Cloud Computing Buzz

Fast forward to the present, and the landscape has changed in terms of the options available for corporate ERP systems. Clearly the industry trends indicate that cloud-based systems are gaining momentum. The benefits of cloud-based systems that are driving this trend are:

- Ubiquitous access to low-cost, hyper scale cloud computing infrastructure eliminating the need for an on-premise data center.
- Improved ownership experience through the removal of upgrade requirements, rapid access to innovation, process automation capabilities, and immediate return on investment.
- Highly complex and costly system integrator processes, such as keeping your system current, ensuring that systems are highly available, and disaster recovery, have been simplified or built into the core cloud-based solutions.

JD Edwards in the Cloud

In today's corporate landscape, business requirements are continuously evolving. IT decision-makers are looking for products that add value to their businesses through automation, improved employee efficiency, and continued reduction of TCO. The Oracle JD Edwards product continues to offer customers excellent choice and control options when they decide on the software model that works best for their business. Whether you are running JD Edwards on premise, migrating your infrastructure to Oracle Cloud, or running a hybrid model of JD Edwards on premise with best-of-breed cloud applications, the JD Edwards product will enable your journey.

JD Edwards continuously upgrades our offerings with the vision of minimizing the TCO associated with the administration and maintenance of your solution. Our goal is to simplify and automate system administration capabilities to enable customers to dedicate fewer resources on everyday administration tasks, creating the opportunity for greater focus on the digital innovation of core business processes.

Challenges of System Administration

Is your business changing rapidly through acquisitions or divestitures?

System maintenance and upkeep can become a significant challenge with rapid expansion or contraction of your global footprint. Setting up and maintaining infrastructure and making required software updates can become an expensive endeavor without strong tooling and processes to enable the architectural changes.

Are you overpaying for your hardware because your system was installed to handle peak processing requirements?

Many ERP customers experience less than optimal system performance during periods of high demand. As a result, businesses purchase hardware to handle peak demand even if they only require such high compute power for a brief duration.

Is staying current with system maintenance, patching, and security uplift a challenge with your expansive global footprint?

As data centers grow, the size and complexity of a company's global footprint has caused system maintenance, patching, and application uplift to become increasingly more time consuming and costly.

Are you running your application and process the same way as you did 10 years ago?

As JD Edwards has moved to continuous innovation and is delivering new capabilities on a more frequent basis, companies need to adopt and deploy new functionality to modernize their processes and get more out of their existing JD Edwards system.

Is your executive team interested in transforming your business with a cloud-first strategy or by making the journey to the cloud?

Cloud technologies are an accelerant to digital business transformation through the rapid onboarding of new technologies and the "always updated" nature of cloud services.

JD Edwards System Administration Experience

Over the years, JD Edwards has demonstrated a strong focus on the tooling required to lower your total cost of ownership. A continuous delivery model enables incremental product innovation each quarter and has yielded many product improvements that we see customers leveraging throughout their operations.

Simplifying and automating the JD Edwards system administration capabilities, can be broken down into three high-level areas of focus:

FOCUS #1 – CONTINUOUS INNOVATION AND DEPLOYMENT

Our first area of focus centers on continuous innovation and deployment. The JD Edwards product team has focused on simplifying the process to upgrade to the most current release, reducing the need to customize the JD Edwards system via a low-code no-code framework and enabling customers to leverage innovation delivered by JD Edwards.

Improvements such as simplified upgrade, object tracking, system usage analysis, and deployment best practices have removed months from the product upgrade process. This simplified upgrade process has increased the efficiency of customers by identifying system usage patterns so that users may retire unnecessary customizations, turn customizations into extensions, or focus their testing efforts on relevant areas of the product to minimize upgrade efforts. Reducing time and cost from the upgrade process has enabled customers to achieve additional business value when they upgrade. Business users see immediate value in EnterpriseOne 9.2 with UX One, orchestrations, notifications, and new application functionality.

Low-code no-code solutions that empower businesses to tailor processes and user experiences without customization to meet changing requirements and increase productivity are critical. The JD Edwards product development team has delivered an extensibility framework to help customers move away from customizations. This framework eliminates many customizations that customers have developed over multiple years. The elimination of customizations reduces the cost and effort involved in the upgrade process and further enables customers to have continuous adoption of JD Edwards innovation.

To learn more about the latest JD Edwards tools to enable your continuous innovation and deployment journey, see our upgrade materials on LearnJDE.com:

Upgrade to JD Edwards EnterpriseOne 9.2 to Enable Digital Transformation

FOCUS #2 – ENTERPRISE CLASS INFRASTRUCTURE

Our second area of focus is enterprise class infrastructure. Oracle has made significant investments in next generation cloud infrastructure. Best-of-breed cloud infrastructure is an area of emphasis that is driving consistent innovation for Oracle. In line with Oracle's commitment to the development of cloud infrastructure, JD Edwards has made significant investments in cloud enablement and automation tools.

To enable customers to easily deploy the entire Oracle and JD Edwards footprint, JD Edwards has defined a reference architecture and automated the provisioning tasks to ensure that a customer's JD Edwards instance adheres to Oracle's best practices. Automation has been created for Oracle infrastructure (database and WebLogic tiers) as well as for JD Edwards server tiers. The automated infrastructure provisioning capabilities of JD Edwards generates the components of the reference architecture and deploys the configurations for securing, networking, load balancing, ensuring systems are highly available, and server definition.

According to many rapidly growing businesses, a wide array of system administration challenges can be addressed with enterprise class infrastructure. Two of the key differentiators of the next generation Oracle Cloud Infrastructure are the capabilities to elastically scale resources and autonomously manage systems.

What is Elasticity?

Simply put, elasticity is your system's ability to balance your changing processing requirements against the resources needed to manage your workloads.

Processing requirements for interactive and batch workloads change frequently due to business needs and seasonality. As a result, customers want their systems to automatically increase or decrease resources based on rules they configure.

For example, system usage shows high interactive user volume, but light batch processing requirements during the day. During these periods, the customer may require more HTML servers, increased compute resources, and higher memory but fewer enterprise server resources. Conversely, at night, the interactive user volume is low, but batch processing needs are high. During these periods, the customer requires fewer HTML server resources but more enterprise server resources.

During a month-end close, additional users access the system and supplementary batch processing capacity is required. During these periods, the customer needs additional HTML, AIS, and enterprise server resources. At the end of these periods, these additional resources are automatically shut down.

Why is Elasticity Important?

You only pay for what you use! Rather than having servers and processing capacity that remains idle during your lower usage periods, you can have an infrastructure that expands and contracts based on your workloads to ensure peak performance during the periods you need added processing power.

If your business is growing rapidly and you need to elastically expand your system to keep up with the growth, you will be well positioned with JD Edwards on Oracle Cloud Infrastructure.

For more details on the scalable elastic deployment capabilities of JD Edwards on Oracle Cloud Infrastructure, see this white paper:

Oracle JD Edwards EnterpriseOne Scalable Elastic Deployment

Leveraging Oracle Cloud Infrastructure, JD Edwards has been creating smart systems that enable autonomous elasticity and scalability of your servers plus their associated resources according to the rules that you specify.

What are Autonomous Systems?

Oracle is transforming how systems are managed and maintained with Autonomous Database and Autonomous Linux. These offerings reduce costs and improve business productivity by automating system administration tasks. Autonomous systems remove human error and free up IT staff to focus on tasks that bring higher value to the business. Additionally, autonomous systems increase system security by automatically applying security updates and patches for the operating system and database without disturbing the business.

Another key component of autonomous systems is the intelligence to leverage Oracle's elasticity capabilities to meet changing business workloads and requirements. Autonomous systems monitor usage patterns and automatically scale resources up or down to optimize performance and maximize resource usage for the operating system and database. Oracle's elasticity capabilities ensure that the system is highly available and that business processes may continue uninterrupted.

For additional details on autonomous systems, and in particular the Oracle Autonomous Database, see this Oracle blog:

Oracle Autonomous Database: What Does that Mean for You?

FOCUS #3 – EFFICIENT RUN AND MAINTAIN

The final focus of our simplify and automate vision emphasizes the efficient run and maintain capabilities of JD Edwards system administration. Enabling businesses to simplify the life cycle of system administration activities is of paramount importance. The focus of the JD Edwards product team is geared toward simplifying day-to-day system administration activities, automation of repetitive system upkeep requirements, and developing reimagined system administration processes that reduce your spend on non-core business activities.

The DevOps Movement

Enabling business efficiency through DevOps, or the methodology where product delivery is integrated with operations, has become a priority of the JD Edwards product development team. A strong DevOps process is critical in the current competitive and disruptive business landscape. Agility and time to market are key considerations for businesses looking to outpace the competition. Reimagine business processes throughout the product development lifecycle, from product development to deployment can be differentiators. DevOps automation allows innovative products to reach JD Edwards customers more frequently. The JD Edwards product development team is identifying opportunities to automate processes to ease the burden of system ownership.

Enhanced life cycle management tools, automation of system administration processes, and simplification of the core processes to maintain your JD Edwards system are key features of DevOps. JD Edwards DevOps innovation can be demonstrated by capabilities such as, building a life cycle for user defined object management, opening up JD Edwards Server Manager system administration capabilities as REST end points, and significant reduction of the footprint of the development client to ease build and deployment costs. Innovation in our run and maintain initiative has been rapid, so be sure to follow the quarterly release announcements to have good visibility into the product improvements JD Edwards is delivering to ease the burden of run and maintain activities for your system.

To learn more about the efficient run and maintain capabilities of JD Edwards, see the System Administration page on LearnJDE:

Simplify and Automate JD Edwards System Administration Capabilities

CONCLUSION

Digital transformation continues to permeate the technology landscape. Process automation and simplified user experience have become the expectation rather than the exception. The Oracle JD Edwards product development team continues to make product improvements to ease the maintenance and upkeep of your JD Edwards system, ultimately improving your administration experience. Continuous Innovation and Deployment to guide your JD Edwards journey, Enterprise Class Infrastructure built on Oracle's best-of-breed cloud infrastructure, and system administration capabilities to enable Efficient Run and Maintain of your JD Edwards systems, are the key benefits of our vision.

Simplify and Automate your JD Edwards EnterpriseOne 9.2 experience by leveraging the capabilities that are delivered in each incremental product release. JD Edwards continues to search for opportunities to lower administrative costs, improve tools, and reduce your ongoing TCO.

Visit us at www.learnjde.com to learn more about our latest product updates.