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JD Edwards EnterpriseOne Internet of Things Orchestrator

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New, rapidly evolving, lower-cost technologies in the areas of IP communications, electronics, and computing have converged and lead to the exponential growth of the Internet of Things. The Internet of Things is the transformational interconnection by way of devices or sensors attached to things—from machinery to appliances to even natural resources—with mobile and enterprise hardware and software to create a new breed of integration between physical and software assets that is resulting in a quantum shift in business process optimization. Through the use of devices and sensors, real-time data about a company's assets can be captured and transmitted through gateways to an ERP system. The Oracle JD Edwards Internet of Things (IoT) Orchestrator enables companies to transfer data from devices into actionable business processes in JD Edwards EnterpriseOne applications, providing a cost effective way for companies to engage Internet of Things technologies and gain a competitive edge in the marketplace.

KEY FEATURES

- Intuitive tools for creating, testing, and deploying orchestrations.
- Delivered sample orchestrations for testing your JD Edwards EnterpriseOne IoT implementation.
- Prebuilt orchestrations serve as a blueprint for designing custom orchestrations.
- Support for Oracle Internet of Things Cloud Service for further integration.

KEY BENEFITS

- Lowers cost and complexity of existing Internet of Things integrations.
- Real-time, continuous, accurate data increases value of entire EnterpriseOne system.
- Reduced manual data entry errors and untimely data.
- Clearer analytics and better regulatory compliance.

Streamlined Operations and Lower Costs

Manual data entry is tedious and expensive, and is prone to problems such as inaccurate and inconsistent data entry resulting in untimely data with information gaps. Delivering real-time, always-on Internet of Things (IoT) data into JD Edwards EnterpriseOne applications increases the value of your software investment, leading to optimized operations, clearer analytics, and better regulatory compliance.

Oracle JD Edwards EnterpriseOne applications are uniquely well positioned to leverage the capabilities of IoT technologies and to offer highly differentiated solutions to customers. Oracle JD Edwards EnterpriseOne applications provide customers across many industries of all sizes and across all geographies with mature, stable, yet modern suite of enterprise applications with deep industry functionality. JD Edwards customers depend on these applications to manufacture things, maintain and repair things, sell things, rent things, transport and warehouse things, and grow things. And now, in this emerging era of the Internet of Things, it is a natural extension to invite those things into direct participation with the software. In this way, the Internet of Things ignites an entirely new level of value and possibilities from the JD Edwards EnterpriseOne applications in which customers have already invested.

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- Increased opportunities to expand service offerings through product monitoring.
- Enhanced preventative maintenance of assets through real-time, condition-based monitoring.
- Turns devices into EnterpriseOne users.

JD EDWARDS ENTERPRISEONE INTERNET OF THINGS ORCHESTRATOR

The JD Edwards EnterpriseOne Internet of Things Orchestrator provides the critical processing capability to transfer Internet of Things data to JD Edwards EnterpriseOne applications.

RELATED PRODUCTS

- Oracle Internet of Things Cloud Service

Harness IoT Data with the JD Edwards EnterpriseOne Internet of Things Orchestrator

The JD Edwards EnterpriseOne IoT Orchestrator provides the critical processing capability for JD Edwards EnterpriseOne applications to consume and process data from devices attached to things in an IoT environment. Essential to this process are orchestrations, which contain the instructions that the IoT Orchestrator uses to determine how the data is consumed. Orchestrations include:

- Acceptance criteria that determine which data or inputs are allowed in the orchestration.
- Mappings that transfer third-party data to EnterpriseOne values.
- Rules that determine when the data is acted upon.
- EnterpriseOne business process steps for turning the IoT data into transactions in EnterpriseOne.

Simplified Orchestration Development

To simplify the creation of orchestrations, Oracle has developed the JD Edwards EnterpriseOne Orchestrator Studio. The Orchestrator Studio enables a business analyst—someone who keenly understands both the field operations and the JD Edwards EnterpriseOne applications—to create, test, and deploy orchestrations. The Orchestrator Studio provides an intuitive graphical user interface that hides the complexity of the underlying code required for processing orchestrations.

Within the Orchestrator Studio, customers can access sample orchestrations for testing their JD Edwards EnterpriseOne IoT configuration. The prebuilt sample orchestrations also serve as examples of orchestrations that can address common business process use cases. Customers can use these orchestrations as examples to design their own orchestrations based on specific business requirements. Available prebuilt sample orchestrations include:

- Add Condition-Based Maintenance Alert
- Update Meter Readings
- Update Equipment Location
- Kanban Check In
- Kanban Check Out
- Add Blend Operation

Using the Orchestrator Studio, customers can build orchestrations that invoke virtually any of the hundreds of JD Edwards EnterpriseOne programs and thousands of forms, and by extension, increase the value of other EnterpriseOne features such as One View Reports, watchlists, and mobile applications.

Integration with the Oracle Internet of Things Cloud Service

The JD Edwards EnterpriseOne IoT Orchestrator supports integration with the Oracle Internet of Things Cloud Service, a powerful service that provides the ability to connect, analyze, and integrate IoT data on a large, fast scale. Customers can configure Oracle Internet of Things Cloud Service with the JD Edwards EnterpriseOne IoT Orchestrator and choose the data that they want to filter through JD Edwards EnterpriseOne orchestrations into EnterpriseOne applications.

CONTACT US

For more information about the JD Edwards EnterpriseOne Internet of Things Orchestrator, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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Integrated Cloud Applications & Platform Services

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