

Oracle Integration

Data is the currency of the attention economy, AI is the reason, and API-first integration is the key to building the business agility that separates disruptors from the disrupted. The difference between a thriving organization from one that is not, is usually tied to successfully implementing digital transformation initiatives. But how do you support and deliver these types of projects on time, in budget, and with effective collaboration across business and enterprise IT? Oracle Integration offers Application Integration, Process Automation and Visual design capabilities that help business analysts and IT specialists to automate end to end business processes across departments. Oracle Integration offers a simple recipe to be successful in this application integration and process automation journey: Build, Integrate and Engage.

RAPID INTEGRATION AND AUTOMATION FOR YOUR KEY BUSINESS APPLICATIONS

KEY BUSINESS BENEFITS

- Reduced transformation backlog with a simple, hybrid integration platform managed by Oracle
- Accelerated time to market with quick provisioning and intuitive tools
- Rapid deployment with pre-built adapters, recipes, and templates from Oracle and Cloud Marketplace
- Visual design and configuration with a point-and-click user experience
- Highly available, scalable, hybrid integration platform leverages existing IT skills and assets

KEY FEATURES

- Intuitive browser based portal to deploy integrations in minutes
- Native connectivity to Oracle SaaS and select third party applications
- Visual tooling for full lifecycle from design to development and monitoring
- Import and export integrations to Cloud Marketplace

Connect SaaS and On-Premises Applications

Oracle Integration empowers business and enterprise IT to quickly connect to SaaS or on-Premises applications and automate end to end processes. Pre-built adapters that integrate with key Oracle and non-Oracle SaaS and on-premises applications take the guesswork out of how to interact with applications. Technology adapters give the flexibility to connect with a variety of legacy or partner systems as well. Recipes in the Oracle Cloud Marketplace can be utilized to accelerate the development process.

Key Features include:

- **Recommendations.** Mapping business objects from one application's definition to another is where most integration developers spend the majority of their time. Recommendations accelerate development with ML-based suggestions based on what others have successfully used. Yelp-like star ratings quickly highlight "best bet" mappings.
- **Rich and Deep Adapters.** Adapters that understand the native protocols and business object repositories of applications expose available options in a common and predictable wizard based UI. [Details for pre-built adapters can be found here.](#)
- **Recipes.** Recipes provide pre-built integration flows for common use cases which can be easily extended for unique requirements.
- **Integrated Process Automation.** Integration flows can natively invoke process apps within Integration for common integration requirements like approval flows or exception processes with escalation management.
- **Pattern Based Integration Development.** Developers can choose from common patterns for their integration flow to meet specific business requirements. Orchestration patterns enable quick, visual design of simple or complex integration flows.

- API-first interoperability with Oracle Service Bus and SOA Suite
- Runs on Oracle's enterprise-grade cloud infrastructure

RAPID PROCESS AUTOMATION FOR DIGITAL TRANSFORMATION

KEY BUSINESS BENEFITS

- Increase collaboration and productivity using visual tooling
- Streamline your business process by connecting business systems with human and robotic workers
- Enable your digital workforce with intuitive mobile and web-based apps
- Increase business visibility, agility and control across all your business processes and workflows
- End to end audit trails to comply with your most rigorous compliance and regulation controls
- Oracle managed process automation focuses your resources on designing and improving process apps rather than technical administration

KEY FEATURES

- Low code rapid process design and automation leveraging a catalog of Quick Start Applications
- Structured and Unstructured business process modeling adhering to BPMN (Business Process Modeling Notation) and CMMN (Case Management Modeling Notation) execution semantics
- Easy integration to Oracle and non-Oracle On Premises and SaaS applications
- Declarative decision and rules modeling adhering to DMN (Decision Modeling Notation) standard
- Multi-channel responsive user interfaces (forms) accessible via web and mobile devices
- Powerful interactive dashboards with rich alerting and guided troubleshooting
- Embeddable work management user interfaces to plug within the Enterprise Application your users work on
- Enterprise Grade security, control and administration

- **Intuitive visual mapper.** Visual mapper enables a drag and drop experience with intelligent recommendations.

Build Process Applications

Oracle Integration empowers business and enterprise IT to collaborate and deliver digital process apps that extend existing systems of record and enable continuous innovation for transformation success. Business analysts and IT developers build, and optimize process applications faster with a Quick Start Application catalog (Recipes) of pre-built process.

Key Features include:

- **Structured and Unstructured process modeling.** Whether you need business processes that require following specific rules/conditions or need a more flexible and dynamic process flow, Oracle Integration helps you model and monitor the business process you need. More importantly, Oracle Integration allows combining these two models to address all your digital process requirements and use cases. Business process modeling allows streamlining of both people actions (for example approvals), and automated transactions that integrate with SaaS and on-premises systems of record. Unstructured process modeling using decisions and rules creates a foundation to push **“best next actions”** to end users to help guide their time-critical decision making.

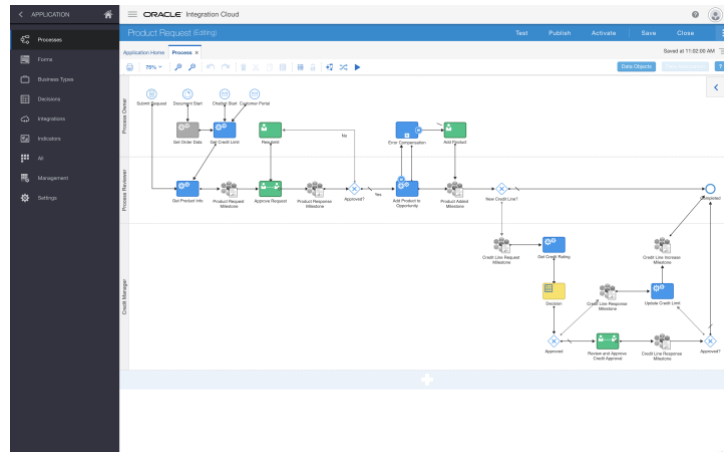


Figure 1: Travel Approval structured (BPMN standards based) process modeling

SUPPORTED CLOUD CONNECTIVITY

Commonly used Connectivity in Oracle Integration Cloud:

- Oracle Sales Cloud
- Oracle Service Cloud (RightNow)
- Oracle Marketing Cloud (Eloqua)
- Oracle Human Capital Management
- Oracle ERP Cloud
- Oracle PaaS (DBCS, EHCS, etc..)
- Workday
- Salesforce.com
- SAP R/3, R4 Hana
- SAP SuccessFactors
- DocuSign
- Adobe Sign
- Concur
- Generic SOAP Connect
- Generic REST Connect
- Social Apps (LinkedIn, Facebook, Twitter, etc..)
- And many more...

ORACLE INTEGRATION

Oracle Integration offers low code integration and process automation capabilities that can be enhanced and extended with other services within the Oracle PaaS portfolio.

RELATED PRODUCTS

- Oracle API Platform
- Oracle Self-Service Integration
- Oracle Internet of Things
- Oracle Intelligent Bots
- Oracle Mobile
- Oracle Visual Builder

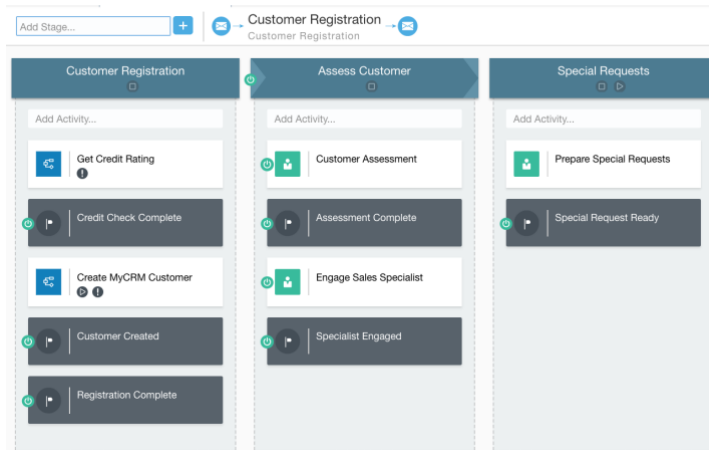


Figure 2: Customer event registration **Unstructured** (case management) modeling

- **Declarative Decision modeling.** Business processes frequently require employees to take different paths depending on context-specific process data. Oracle Integration enables power users to define and maintain their process decisions and rules using a declarative notation that uses Decision Tables and adheres to the DMN (Decision Modeling Notation) open standard.

F	discount	amount	Discount Decision
1	< 20	< 100000	true
2	< 20	>= 100000	false
3	>= 20	-	false

Figure 3: DMN-based decision modeling using decision tables

- **Responsive No Code End User Interfaces.** Oracle Integration offers a drag and drop forms modeling environment with full internationalization support to model interactions with people. Responsive UI controls can be augmented with declarative no code validations and event management. Customers can control the look and feel of the forms through a styling palette or using existing CSS. Preview option enables designers to view and test with a single click.

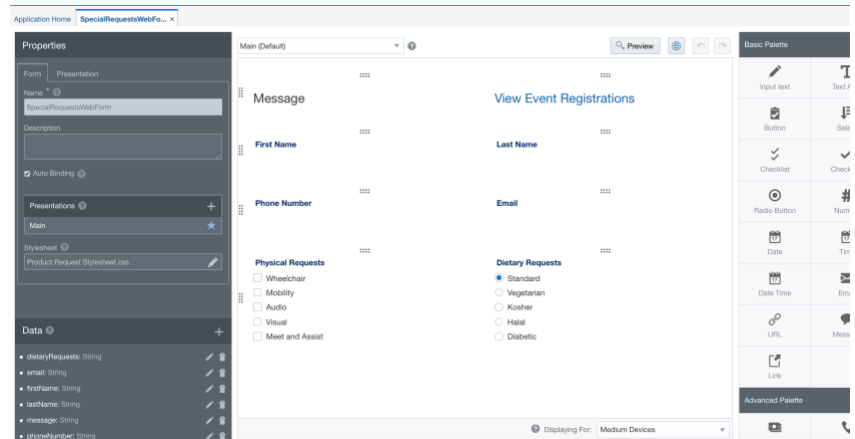


Figure 4: Drag and drop visual forms designer

- Iterative and agile low code development.** Oracle Integration's low code process development capabilities facilitate quick prototyping and requirements validation. Whether you're using one of the many ready-to-use QuickStart process templates or starting from scratch, you can develop these in an agile and incremental manner. With the help of the Process Player, you can interactively follow a new process instance across the process diagram and track its flow as it executes both service integrations and user tasks across possible different paths in the process flow. Additionally, it is possible to publish and deploy the application to a testing partition before deploying the final process application to the production Oracle Integration.
- Multi-version process development.** Digital transformation requires your process platform to support the continuous optimization of your process application. Oracle Integration allows you to create new versions of your process application and deploy these new iterations in parallel to build the business agility you need while minimizing IT backlog.

Boost Process Automation with first class integration capabilities

The initial "Build" phase of creating business process applications allows mapping a process "as is", describing all necessary steps/tasks/activities and possible execution path combinations. More likely than not, your process application will require connectivity and integration with one or more systems of record where your business data resides. The breadth of available enterprise and productivity applications can be daunting. However, Oracle Integration offers first class integration to on-premises and SaaS applications (both Oracle and non-Oracle) via more than 100 adapters to popular applications such as Oracle ERP Cloud, Oracle Sales Cloud, Oracle EBS, Oracle JDEdwards, Netsuite, SAP, Salesforce, Workday, and many more.

Key Features include:

- Discover IT-created Integration Flows** One of the biggest differentiators in Oracle Integration is its point and click integration capabilities. Integrations can be created very easily and exposed for consumption externally as well as internally for other Oracle Integration assets such as business processes. A process developer can browse all available integration services and with a single click integrate with on-premises and SaaS applications. Offering best in class process automation and

integration capabilities in a unified platform fosters greater collaboration between business experts and IT developers. IT can create and offer integrations while business analysts can concentrate on the modeling of their end to end business processes.

- Robotic Process Automation (RPA).** When the system of record you are trying to integrate does not offer public APIs (for example legacy apps, or heavily customized on premise as well as SaaS Business Applications), Oracle Integration can leverage RPA solutions to integrate in a non-intrusive manner with these systems of information. Oracle Integration can integrate with leading RPA vendors to discover and trigger the execution of robots that replay the user interaction via the target application's user interface. Oracle Integration has adapters for the leading RPA vendors in the market.

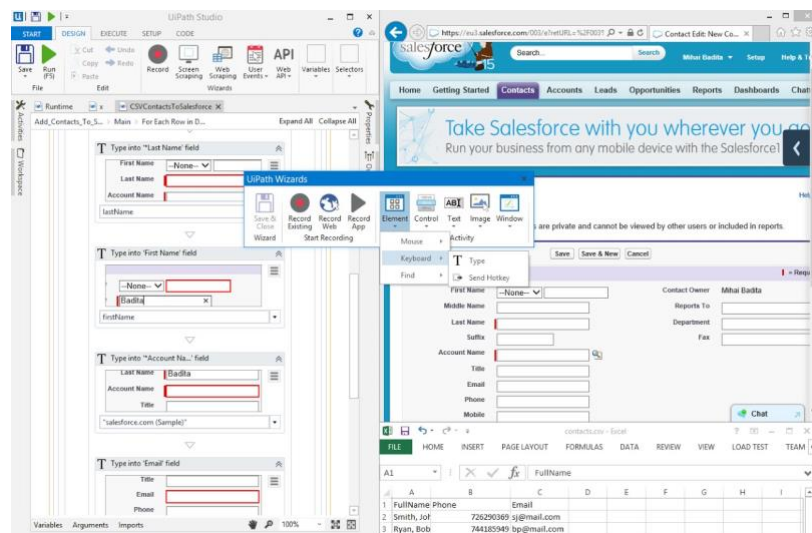


Figure 5: Robotic Process Automations development with UiPath Studio

- Functional process activities simplification.** In addition to easily integrating with systems of record via pre-built integration flows or RPA robots, these integration points can be defined as functional process activities. Enabling an integration as a functional process activity facilitates the modeling of business processes by business analysts without the need for IT. These functional activities hide the complexity of wiring it to the available integrations.

Extend Process Automation Engagement with users

Once your process application has been built and all integration points have been implemented, it is important to turn attention to how end users, process owners and administrators will interact with these process applications. Oracle Integration offers a multi-channel set of options to address the wide range of possible interactions.

Key Features include:

- WorkSpace.** Out of the box, employees can process tasks pushed to them based on organizational responsibilities via the WorkSpace Task List. Process owners can use the WorkSpace Tracking capabilities to monitor processes in flight, view completed process transactions and check in real time the full audit trail of events

and associated information. This level of visibility is enhanced with a series of out of the box dashboards showcasing process workload and performance insights.

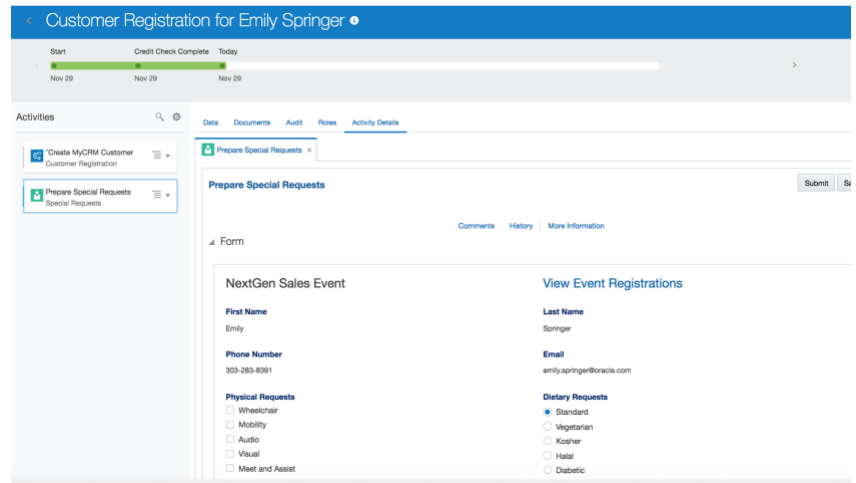


Figure 6: Track and trace processes and related information to make best decisions



- **Native Mobile Approval application.** End users on the go, can start new processes as well as manage approvals via the native iOS and Android Process mobile application.
- **Embeddable User Interface Snippets.** For users that work within the context of an enterprise application such as Oracle Sales Cloud, HCM, or ERP, it is possible to embed the WorkSpace Task List (and other end user interaction components) within the enterprise application via UI Snippets. UI Snippets can be included in the hosting app using a simple URL or by using pre-built JavaScript libraries. Regardless of the approach, it can be configured to work with SSO.
- **Actionable Emails.** User interactions can also be managed using email. Each process step can be configured with a specific actionable email containing relevant information for a target user to respond by answering an email message. This is useful for interacting with occasional users.



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