Oracle Integration Cloud's Process Automation with RPA

In today's fast paced digital economy, organizations need a more agile way to deliver IT value in support to business initiatives. 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 type of projects? Oracle Integration Cloud offers Process Automation capabilities that help business and IT groups within enterprises to implement business process initiatives that aim at automating business transactions that usually involve people and systems of record. Oracle Integration Cloud Service can extend its existing process automation and integration capabilities with UiPath Robotic Process Automation RPA solution to create an ultimate digital workforce orchestrating people, systems and robots. Oracle Integration Cloud Service in conjunction with UiPath offer a simple recipe to be successful in this process automation journey: Build, Integrate and Engage.

Build Process Applications

Oracle Integration Cloud is an Oracle managed subscription based service that empowers Line of Business and Power Users to create process applications that extend existing applications of record and create innovation on a fast paced platform layer. Involved users can build, customize and change process applications in a collaborative manner using in a Low Code 100% browser-based declarative environment.

Key Features include:

- **Structured and Unstructured process modeling**. Oracle Integration Cloud offers structured and unstructured business process modeling to address a wide array of business process use cases.
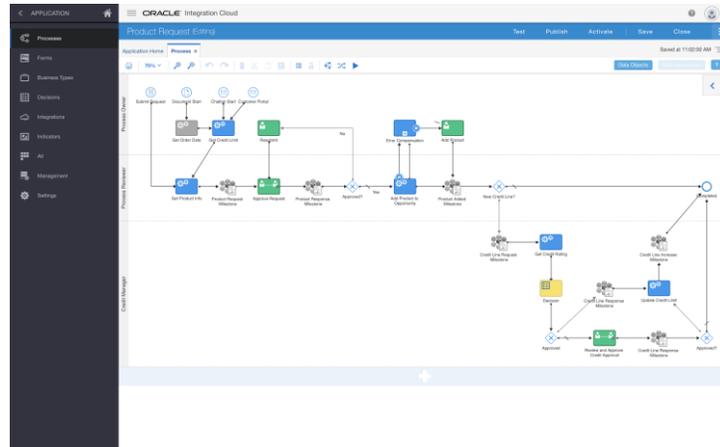
RAPID PROCESS AND ROBOTIC PROCESS AUTOMATION IN THE CLOUD

KEY BUSINESS BENEFITS

- Increase collaboration and productivity using a Low Code development toolset
- Empower Power Users with self-service and process control tools
- Streamline your business process by connecting people, systems (On Premise and SaaS Enterprise Applications) and Robots creating and end to end digital workforce
- 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

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

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

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 Premise 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

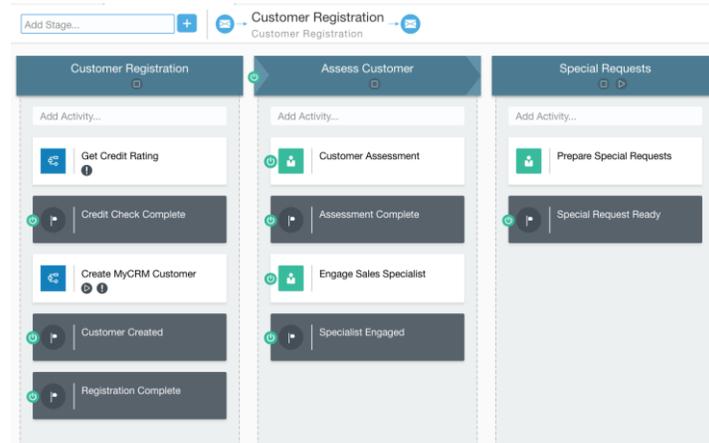• Enterprise Grade security, control and administration

● **Declarative Decision modeling**. Business processes frequently require to take different paths depending on process data. Power users can define and maintain their process decisions and rules using a declarative notation that uses Decision Tables that adhere to the DMN standard.

● **Responsive No Code End User Interfaces**. When it comes to interacting with people, Oracle Integration Cloud offers a drag and drop rich UI controls web forms modeling environment with full internationalization support.

● **Iterative and agile Low Code development.** Oracle Integration Cloud Low Code process development capabilities facilitate quick prototyping and requirements validation.

● **Multi-version process development.** As your business process conditions change, you may need to support one or multiple versions of a process running at all times, Oracle Integration Cloud offers multi-version process support for these more advanced scenarios.

Integrate and connect with your Systems of Record

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. Integration can be accomplished via Oracle Integration Cloud Service rich set of adapters and connectors or via Robots that interact directly with the target application user interfaces.

Key Features include:

- **Discover IT-created Integration Flows**. From a business process (structured or unstructured), discover existing integration flows created by IT or Developers and integrate to systems of record using well defined APIs and/or adapters.
- **Robotic Process Automation (RPA)**. When the target application you are trying to integrate does not offer APIs, Oracle Integration Cloud via a co-selling agreement with UiPath (leading RPA vendor in the market) allows creating Robot-based transactions that replay the user interaction via the application user interface. These transactions encapsulated and executed by a UiPath Robot can be triggered at any step/activity of a business process. Robotic Process Automations can be simply recorded and generated with the RPA Designer called UiPath Studio. These Robots in turn are deployed to an Oracle specific UiPath Orchestration Cloud Edition (managed service) where an administrator can configure how these Robotic Process Automations can be executed by Robots replaying the transactions. These robots work in an **unattended** fashion (no end user need to manually trigger the robot execution) as they are invoked and triggered from a business process implemented in Oracle Integration Cloud fulfilling the promise of an end to end automated digital workforce. UiPath Robotic Process Automation complements Oracle's process automation services as a low code, fast implementation and easy integration solution to enable broader, end-to-end automation at scale.

Figure 3: Designing RPAs with UiPath Studio

Engage with your users via multiple channels

Once your process application has been completed and all integration points have been automated, it is important to turn the attention to how your end users, process owners and administrators interact with these process applications in the most optimal way. To this extend, Oracle Integration Cloud offers a multi-channel set of options to address the wide range of possible interactions.

Key Features include:

- **WorkSpace**. Out of the box, end users can process tasks pushed to them based on

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ORACLE INTEGRATION CLOUD

Oracle Integration Cloud offers low code process automation capabilities that can be enhanced and extended with other services within the Oracle PaaS portfolio and is augmented with Robotic Process Automation capabilities to automate the last mile of integration using robots.

RELATED PRODUCTS

- Oracle Internet of Things
- Oracle Intelligent Bots
- Oracle Mobile
- Oracle Visual Builder Cloud Service

RELATED SERVICES

The following services support Oracle Main Product:

- Update Subscription Services
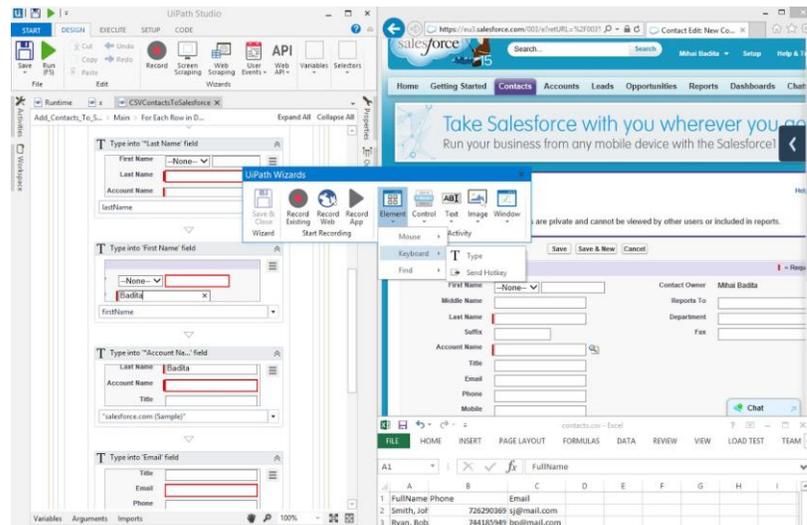- Product Support Services
- Professional Services

organizational responsibilities via the WorkSpace Task List. Process Owners can use the WorkSpace Tracking capabilities to track and trace in flight as well as completed process transactions and check in real time the full audit trail of events and associated information.

Figure 4: Track and trace processes and related information to make best decisions

- **Native Mobile Approval application.** End users that are 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.** Bring the Task List and other end user interaction capabilities into the context of an Enterprise Application (such as Sales Cloud, ERP, CRM, etc.) to facilitate the worker tasks.
- **Actionable Emails.** User can process approvals via emails. This can be quiet useful for interacting with occasional users.
- **Rich REST.** While Oracle Integration Cloud offers multiple out of the box user interaction alternatives, often times it is necessary to create custom interactions. For these situations it is possible to use Oracle Integration REST APIs.

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