IBM Business Automation Studio and Application Designer

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IBM Automation Platform for Digital Business

Client & partner applications

Unified User Experience

Tasks  Workflow  Decisions  Content  Capture

Modeling

Governance

Low-code authoring for business and IT

Operational Intelligence
Analytics  |  Machine Learning  |  AI

Cloud  Hybrid  On-premises
Business Automation Studio:
Introducing an authoring/development environment for the DBA platform that accelerates digital transformation.

Single place where people go to author (applications, agents and services).

- Designers for Applications, Business Services and Agents
- Consistent lifecycle and governance mechanisms to help authors create and manage their projects
- Catalog where authors can go to discover reusable assets
- Collaboration mechanisms to help facilitate communication among authors working on projects
Business Automation Studio

Welcome tw_admin

Create a new project or take a look at existing ones to get started!
Create an app

Name
Employee Onboarding

Acronym
EMPLOYEE

Open in Designer

Select a base template and snapshot
This field is required

Select a Base Template
This field is required

Description
Highlight text for formatting options.

Application is used to on board new employees on the low-code initiative program.
Partner and Supplier Review and Certs (PARTNER)

Last updated: 7 seconds ago
Created: 3 days ago
Template: BLANKET
Template version: v1

Description
Buyer merchandise application to manage partners and suppliers contracts and certifications
Low-code authoring tools help deliver automation value faster

Automate more by engaging more

<table>
<thead>
<tr>
<th>Skills</th>
<th>Configuration, not coding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reuse</td>
<td>Templates &amp; Toolkits</td>
</tr>
<tr>
<td>Scale</td>
<td>Lifecycle &amp; Governance</td>
</tr>
</tbody>
</table>
Enhance the DBA offering by providing low code Application authoring for Automation

Application Designer

A low-code based designer that empowers the business developer to create business applications that leverage the capabilities of the platform
Engaging More

**Business Developer**
- a.k.a. IT, Shadow IT, Business Analyst, …
- Is not a developer/coder by trade
- Works in or with LOB
- Has good enough software skills
- Wants to create and deliver applications for LOB within guidelines of IT

**IT Admin**
- Responsible for installing and deploying enterprise platform(s) for building business solutions
- Looking for ways to scale their organization while maintaining governance
- See digital transformation as a solution to their developer scale challenges

**Developer**
- Developer/Coder by trade
- Builds assets, services and applications for the enterprise
- Looking for ways to accelerate software delivery through reusable frameworks
- Wants to free up more time to focus on the harder and more complex critical business problems
# Support Application Patterns

<table>
<thead>
<tr>
<th>Patterns</th>
<th>Examples</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Multi-user x</td>
<td>Single-user x</td>
</tr>
<tr>
<td>x</td>
<td>Disp. field services (Utilities)</td>
<td>Used to determine when it is more economically beneficial and/safe to dispatch a service.</td>
</tr>
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<td></td>
<td>To-Do List</td>
<td>Easily generate a to do list and track each task’s assignee, due date, priority and status.</td>
</tr>
<tr>
<td>x</td>
<td>OnBoarding (employee, supplier, …)</td>
<td>Simply fill out a form and know that the right staff and supervisors will be notified. Staff can quickly prioritize and plan accordingly</td>
</tr>
<tr>
<td></td>
<td>Preventive maintenance (manufacturing)</td>
<td>Active preventive maintenance based on analytics reducing downtime</td>
</tr>
<tr>
<td></td>
<td>Customer satisfaction (across industry)</td>
<td>Make it easy for your company to monitor, respond and improve every point of contact along your customer’s journey</td>
</tr>
<tr>
<td>x</td>
<td>Document renewal and update (across industries and LOBs)</td>
<td>Very common in every organization; Mandated renewal of licenses and contracts, marketing artifacts, asset maintenance, contract management, partner and supplier reviews and certifications</td>
</tr>
<tr>
<td>x</td>
<td>Banking, Insurance, Investment service promotions</td>
<td>Quickly determine the right amount of service by simply filling out information about the applicant based on types of service; debt, income, assets, items to be insured, etc….</td>
</tr>
<tr>
<td>x</td>
<td>Invoicing (procurement services)</td>
<td>Simple template can save you time in transferring your invoicing to your digital platform</td>
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<tr>
<td></td>
<td>Travel request (LOBs)</td>
<td>Reports can fill out travel advance requests, anticipated expenses,…</td>
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### Application Development from Authoring to Runtime

<table>
<thead>
<tr>
<th>Business Automation Studio</th>
<th>Business Automation Application Designer</th>
<th>Business Automation Application Templates and Toolkits</th>
<th>Business Automation Navigator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single environment to build and manage automation based projects</td>
<td>“Low-code / No-code” designer</td>
<td>Templates jump-start building your new application</td>
<td>Common user experience portal for the platform.</td>
</tr>
<tr>
<td>Access low-code design tools to create applications</td>
<td>Utilizes all the DBA automation capabilities</td>
<td>Toolkits enable more complex functions and are referenced in application templates</td>
<td>Business user access automation applications through their assigned portal (Navigator Desktop).</td>
</tr>
<tr>
<td>Role based capabilities</td>
<td>Focus is on page creation and layout, assemble applications using visual UI views</td>
<td>Configure actions, eg: start a workflow for an approval process</td>
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</tr>
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<td></td>
<td>Platform to provide out of the box toolkits and sample templates</td>
<td>Partners to contribute via toolkits and templates.</td>
<td></td>
</tr>
</tbody>
</table>

"Low-code / No-code" designer

Utilizes all the DBA automation capabilities

Focus is on page creation and layout, assemble applications using visual UI views

Configure actions, eg: start a workflow for an approval process

Platform to provide out of the box toolkits and sample templates

Partners to contribute via toolkits and templates.

Common user experience portal for the platform.
Visual End-to-End Flow

Business Automation Studio → “Low Code/No Code” Business Automation Tooling e.g. Application Designer → Automation Navigator
Packaging
Packaged in IBM Cloud Pak for Automation (ICP4A)

Business Automation Studio and Application Designer is packaged as a feature of ICP4A (previously referred to a DBA for Multicloud)

Application Designer experienced in Business Automation Studio

Application Designer Components

- Application Designer
- Application Engine
- Templates
- Toolkits

DBAMC

- Enterprise Content Management
- Operational Decision Management
- Business Automation Workflow
- Business Automation Insights
- Business Automation Studio
- Application Designer
- Business Automation Navigator

ICP Support for Other IaaS planned
Demo – Application Designer
Thank you