



ClearVue Solutions: Robotic Process Automation (RPA)

At ClearVue Solutions, we empower businesses by automating repetitive and time-intensive tasks, leveraging Robotic Process Automation (RPA) to optimize workflows, enhance accuracy, and drive productivity across diverse operations. . Our goal is to enhance operational efficiency, reduce manual errors, and enable teams to focus on strategic tasks that drive value. In line with this vision, our RPA offerings are built with a blend of Microsoft Power Automate, Azure Logic Apps, and other industry-standard tools, enabling seamless integration, enhanced security, and scalable automation.

RPA Goals:

Streamlined Operations

Automate routine processes, from data entry to complex integrations.

Enhanced Efficiency

Reduce manual errors and free up teams for strategic tasks.

Secure and Compliant

Leverage Microsoft RPA solutions within a secure and flexible environment.





Empowering Scalable Automation with Key RPA Components

To achieve the core objectives of RPA—streamlining repetitive tasks, enhancing accuracy, and maximizing efficiency—leveraging the right automation tools is essential. Two powerful components in this space are:"

- **Microsoft Power Automate:** Enables robust automation of processes, minimizing manual effort and enhancing operational efficiency through seamless workflow automation across Microsoft 365, Dynamics 365, Azure, and third-party applications.
- **Azure Logic Apps:** Facilitates deep integration between various services, supporting complex workflows and real-time data sharing to ensure a cohesive and efficient automation ecosystem.

Together, these tools empower organizations to drive impactful, scalable automation across their processes.



The key benefit of Microsoft Power Automate is its capacity to streamline complex, multi-step workflows across diverse systems, seamlessly integrating with Microsoft 365, Dynamics 365, Azure, and a range of third-party applications. By leveraging AI-driven decision-making and advanced connectors, Power Automate minimizes manual intervention, accelerates process efficiency, and enhances operational productivity—all within a secure, scalable, and compliant cloud environment.

Advantages of Using Microsoft Power Automate

Streamlined Workflow Automation

Automate workflows across key applications like SharePoint, Microsoft Teams, and Outlook.

1

Seamless Integration

Centralize expense request data in SharePoint and send notifications directly to approvers.

3

Proactive Monitoring

Leverages Power Platform Admin Center to track flow health, usage metrics, and error logs, enabling administrators to identify and address issues in real-time.

5

2

Reduced Manual Effort

Eliminate time-consuming manual tasks, reducing human errors.

4

Robust Security

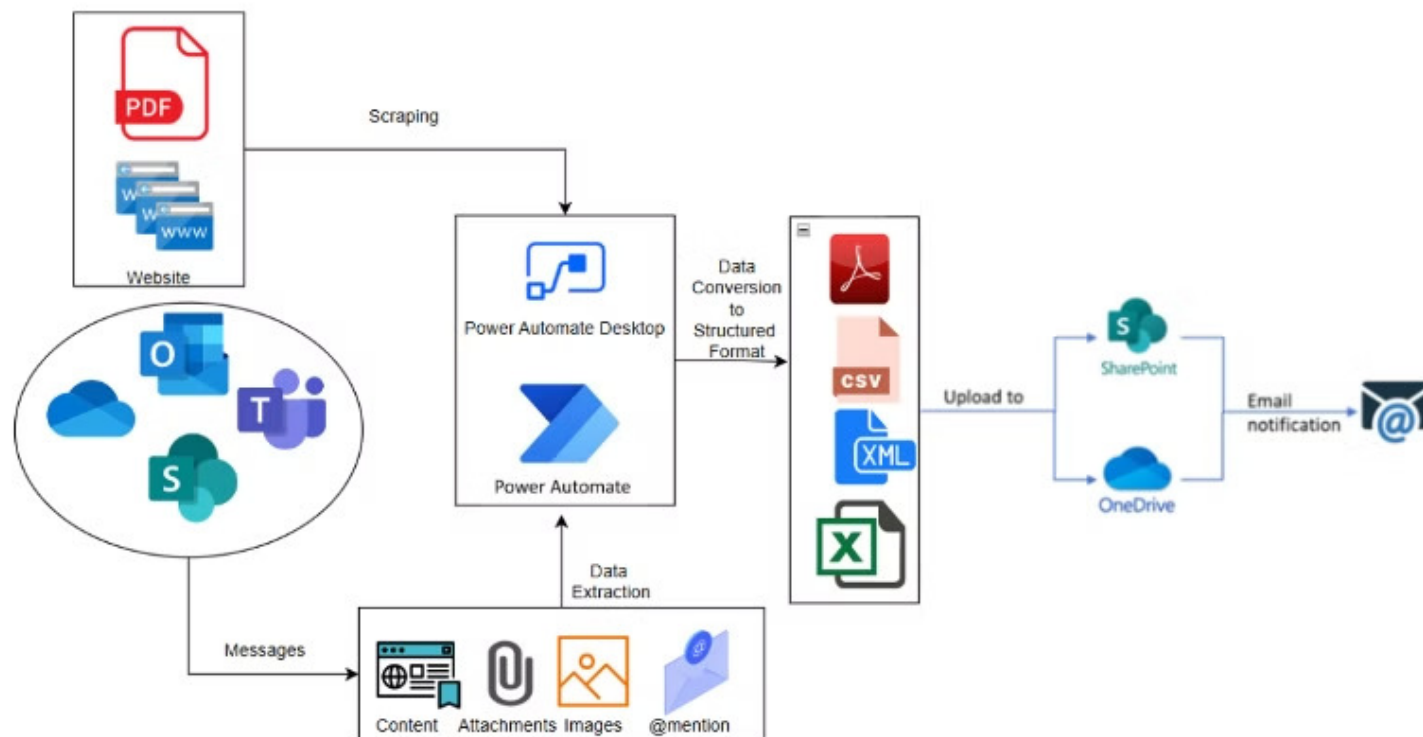
Integrated with Azure Active Directory for secure identity management and supports multi-factor authentication.

6

Improved Efficiency and Transparency

Delivers a more efficient, secure, and transparent approval process, empowering teams to focus on strategic tasks instead of manual processes.

Streamline Your Expense Approval Process with Power Automate: Boost Efficiency and Enhance Workflow Automation



1

Power Flows

Helps in orchestrating end-to-end workflows with automated actions, approvals, and real-time notifications, ensuring swift processing of expense requests while minimizing human errors and delays.

2

SharePoint Integration

Utilizing SharePoint as a centralized repository for managing and tracking expense request documents, metadata, and lists, offering easy access and enhanced collaboration across departments.

3

Microsoft Teams Integration

Utilizing SharePoint as a centralized repository for managing and tracking expense request documents, metadata, and lists, offering easy access and enhanced collaboration across departments.

4

Outlook Integration

Allows to send timely email alerts and notifications to both approvers and requestors, ensuring transparency and keeping stakeholders informed throughout the approval process.

5

Dataverse

We use Microsoft Dataverse as a unified data platform to store and manage critical data across multiple flows, enabling consistent data governance and streamlined reporting.



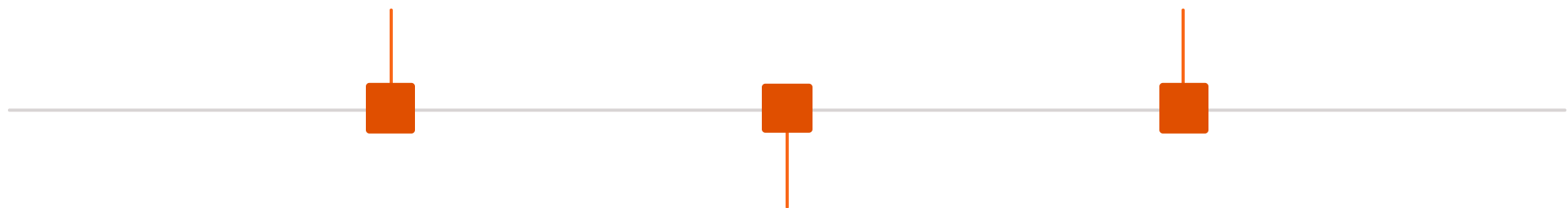
Security Considerations

Access Control

Integration with Azure Active Directory (Azure AD) ensures robust identity and access management, enforcing role-based access and limiting permissions to authorized users only.

Multi-Factor Authentication (MFA)

For additional security, users participating in approval workflows are required to authenticate via multi-factor authentication (MFA), as per organizational security policies.



Data Encryption

All data processed within Power Automate, as well as its connected services, are encrypted end-to-end to meet compliance standards and safeguard sensitive information.

Monitoring and Maintenance



Power Platform Admin Center

Leverage the Power Platform Admin Center to monitor flow health, usage metrics, and error logs, providing real-time insights into the performance of automated workflows.

Alert Notifications

Set up automated alerts to notify administrators of recurring flow failures or delayed approvals, enabling proactive troubleshooting and timely resolution.

By adopting this streamlined, integrated solution, the organization can achieve improved workflow efficiency, enhanced data security, and a more cohesive approval process across departments.



Azure Logic Apps

Azure Logic Apps is the central component for orchestrating workflows between various services, enabling businesses to automate processes and integrate systems seamlessly. This powerful engine automates data movement and task execution, eliminating manual interventions and improving operational speed. Reword this and write it uniquely for me please.

Advantages of Azure Logic Apps

Automated and Integrated Workflows

Azure Logic Apps allows organizations to automate and integrate workflows across various business applications, ensuring real-time data sharing and processing.

Leverage Key Azure Services

- **API Management:** Provides secure entry points for exposing Logic App endpoints to external systems.
- **Azure Service Bus:** Ensures reliable message queuing for efficient communication between systems.
- **Blob Storage:** Provides secure storage for logs and backup data, supporting compliance and audit trails.

Proactive Issue Management

Configurable alerts notify businesses of critical issues such as integration failures or SLA breaches, allowing teams to take immediate action and maintain workflow continuity.

1

2

Secure, Scalable, and Efficient

By connecting services in a secure, scalable, and efficient manner, Logic Apps orchestrates seamless workflows that enhance collaboration and improve operational efficiency

3

4

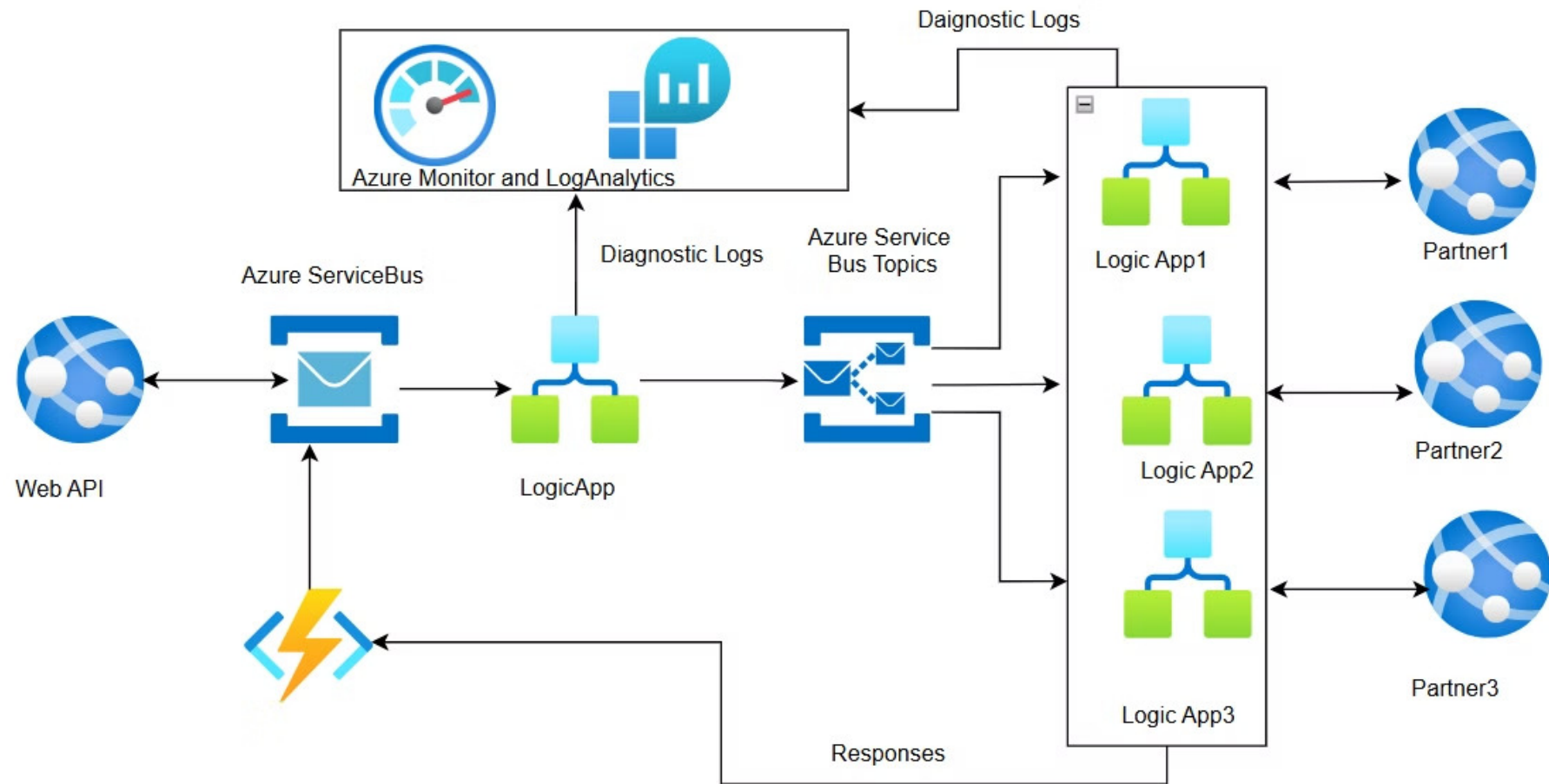
Comprehensive Monitoring and Alerting

- **Azure Monitor:** Tracks the health and performance of workflows, including latency and error rates.
- **Application Insights:** Offers in-depth telemetry and logging of custom events and errors, enabling businesses to diagnose and resolve issues quickly.

5

This streamlined automation solution helps businesses integrate systems, optimize processes, and stay ahead of performance challenges, ensuring smooth and efficient operations.

Seamlessly Integrate and Automate Workflows with Azure Logic Apps: Enabling Real-Time Data Sharing and Efficient Business Processes



Logic App Integration

Azure Logic Apps: The Core Workflow Engine

Azure Logic Apps serves as the core engine for orchestrating workflows across multiple services, empowering businesses to automate processes and seamlessly integrate systems. This robust solution streamlines data movement and task execution, reducing manual efforts and accelerating operational efficiency.

Azure Service Bus: Ensuring Reliable Message Queuing

Azure Service Bus is designed to manage communication between different systems, ensuring reliable message delivery and handling of high-volume traffic. By leveraging Service Bus, businesses can ensure that messages are processed efficiently without overloading the system.

Subscriptions

Each topic can have multiple **subscriptions**, and when a message is sent, it becomes available to all associated subscriptions. This enables various consumers to receive independent copies of the same message. Each subscription is like a distinct queue, providing tailored delivery to individual recipients.

Blob Storage: Secure Data Storage for Compliance and Audit Trails

Azure Blob Storage provides a secure location for storing logs and backup data, ensuring compliance with industry regulations and supporting audit trails for all interactions. This feature allows businesses to track all data processing and integrations for accountability and review.

Application Insights: Advanced Telemetry and Logging

Application Insights offers detailed telemetry for custom events and error logging, providing businesses with deep insights into application behavior. This helps organizations understand system performance and pinpoint issues quickly, enabling faster resolution and optimization.

API Management

API Management provides a secure entry point for exposing Logic App endpoints to external systems. It acts as a gateway, allowing third-party applications to securely interact with Logic Apps, ensuring that integrations are protected and comply with enterprise-level security protocols.

Topics

A **topic** is the core entity where messages are sent, supporting multiple subscribers. Unlike queues, where messages are delivered to a single consumer, topics distribute messages to all subscribing entities, ensuring broad delivery and distribution across systems.

Filters and Rules:

Each subscription can include **filters and rules** to control which messages are received. For example, a subscription can be configured to only accept messages with certain properties, such as "Priority: High" or "Region: Europe," ensuring that relevant messages are routed to the correct consumers.

Azure Monitor: Comprehensive Health and Performance Tracking

Azure Monitor tracks the performance and health of the Logic App workflows, including key metrics such as latency and error rates. By closely monitoring these metrics, businesses can proactively address performance issues and ensure that workflows run smoothly at all times.

Alerts for Proactive Issue Management

Azure Logic Apps integrates with alerting mechanisms to notify administrators of critical issues such as failures in integrations, missed SLAs, or significant system errors. Configuring alerts ensures that issues are flagged immediately, allowing businesses to take prompt corrective actions to minimize impact on workflows.

RPA Process Lifecycle at ClearVue

1

Assessment & Planning

- Initial process identification and feasibility analysis are conducted to determine automation potential.
- High-value tasks are prioritized, with a focus on those that maximize ROI and reduce manual workload.

2

Design & Development

- RPA workflows are designed to emulate user actions. Custom scripts, APIs, and connectors are developed using Power Automate, along with Logic Apps, to ensure seamless integration across systems.
- Use of Power Automate's desktop flows for screen scraping and desktop automation in legacy systems.

3

Deployment & Integration

- RPA workflows are deployed into production through a structured CI/CD pipeline, ensuring minimal disruption. Azure DevOps supports deployment management, testing, and ongoing monitoring.
- Automated monitoring via Power Platform Admin Center ensures workflow health, including alerts for failures or delays.

4

Optimization & Maintenance

- Real-time analytics, monitoring, and automated error handling are integrated to continually refine and improve workflow performance.
- Proactive updates and optimizations are implemented based on usage metrics, SLA compliance, and evolving business needs.

Key RPA Use Cases

Industry

Finance and Accounting

Use Case

- **Invoice Processing:** Automate invoice entry, validation, and reconciliation with ERP systems.
- **Expense Management:** Using Power Automate for expense request approvals, integrated with Teams and Outlook for notifications.

Customer Service

- **Automated Responses:** Power Automate flows enable automated responses for common customer queries, improving response time and accuracy.
- **Data Syncing:** Logic Apps synchronize customer data between CRM systems and other applications in real-time.
- **Screen Scraping:** Screen scraping captures data from a user interface to automate information extraction from applications without direct access.

HR and Operations

- **Employee Onboarding:** Automate employee onboarding processes, from document collection to account setup in internal systems.
- **Policy Compliance:** Automated workflows ensure that HR processes are completed in compliance with internal policies, with audit trails and alerts for exceptions.

Technical Overview of ClearVue's RPA Technology Stack



Power Automate

Core RPA engine for workflow automation.



Azure Logic Apps

Integrates applications, data, and services in workflows.



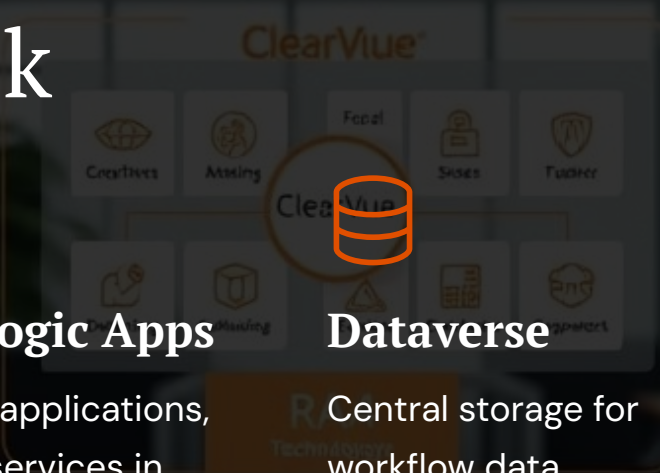
Dataverse

Central storage for workflow data.



Azure AD

Identity and access management for secure user authentication.



Metrics and KPIs for RPA Success

1 Time Saved

Reduction in hours spent on manual tasks.

2 Error Rate Reduction

Decrease in manual errors due to automated data entry and validation.

3 Process Completion Time

Time taken to complete end-to-end workflows.

4 User Satisfaction

Improvement in employee satisfaction.



A background image showing a man and a woman in business attire shaking hands in a modern office environment. The man is on the left, smiling, and the woman is on the right, also smiling. They are both wearing suits. The background is slightly blurred, showing office furniture and large windows.

Why Choose ClearVue for RPA?

ClearVue Solutions is a trusted partner in RPA, providing tailored automation solutions that align with specific business needs. Our expertise spans every stage of the RPA journey, from process assessment to optimization. We ensure:

- **Scalability:** Solutions that grow with your business, adaptable to new processes and integrations.
- **Security and Compliance:** Industry-standard security measures, including MFA, Azure AD, and data encryption.
- **End-to-End Support:** Comprehensive support, from initial implementation to long-term optimization and monitoring.

ClearVue Solutions is dedicated to transforming operations with intelligent automation, allowing businesses to achieve higher efficiency, cost savings, and scalability.