Integration and Automation Tools and Technologies

IDC's *Integration and Automation Tools and Technologies* research service analyzes connectivity automation software technologies that individually or collectively manage, automate, and integrate applications, connecting data between internal and external parties. This research focuses on how integration coupled with the injection of generative artificial intelligence (GenAI) and machine learning (ML) will increasingly speed up, simplify, and improve the speed of delivery of integrations and data sharing. It also covers how these tools are adding new capabilities to help enable and govern AI deployed in the organization. As enterprises rethink and expand the role of integrations and developers beyond traditional IT to meet business needs, IDC's Integration and Automation Tools and Technologies research will help subscribers better understand changing customer needs, along with the drivers and challenges they face to uncover what is required to help customers with those changes.

MARKETS AND SUBJECTS ANALYZED

- Integration and API management software
- Event-driven architecture and automation
- Ecosystem integration and B2B integration
- Use of AI/ML in connectivity automation
- AI enablement via integration
- The fusion of automation and AI

CORE RESEARCH

- Competitive Analysis of Integration, API Management Tools, and B2B Middleware
- AI and Generative AI Enablement via Integration
- Integration and Orchestration Adoption Patterns and Use Cases
- Event-Driven Automation and Event Brokers
- Connectivity Automation Buyer Survey

In addition to the insight provided in this service, IDC may conduct research on specific topics or emerging market segments via research offerings that require additional IDC funding and client investment. To learn more about the analysts and published research, please visit: Integration and Automation Tools and Technologies.

KEY QUESTIONS ANSWERED

1. How is generative AI injected into integration and API management tools to simplify development and improve reliability of automation?
2. What role will connectivity automation tools play in enabling tech buyer's AI plans?
3. What are the adoption trends in integration software, and how does this align with vendor's capabilities?
4. How is API management software evolving in the AI era?
5. How are event-driven architectures changing and enhancing integration design and API protocols?
6. How will the convergence of AI and automation modalities impact the connectivity automation market?
7. How will integration and automation vendors compete and cooperate as the market evolves?

COMPANIES ANALYZED

This service reviews the strategies, market positioning, and future direction of several providers in the integration and API management portion of the intelligent process automation market, including:

Axway, Amazon Web Services, Automation Anywhere, Boomi, Broadcom, Celigo, Celonis, Cleo, Confluent, Google, IBM, Informatica, Jitterbit, Kong, Microsoft, Oracle, Perforce, Qlik, Red Hat, Salesforce, SAP, Seeburger, SmartBear, SnapLogic, Software AG, Solace, TIBCO, Tray, UiPath, Workato, and WSO2.