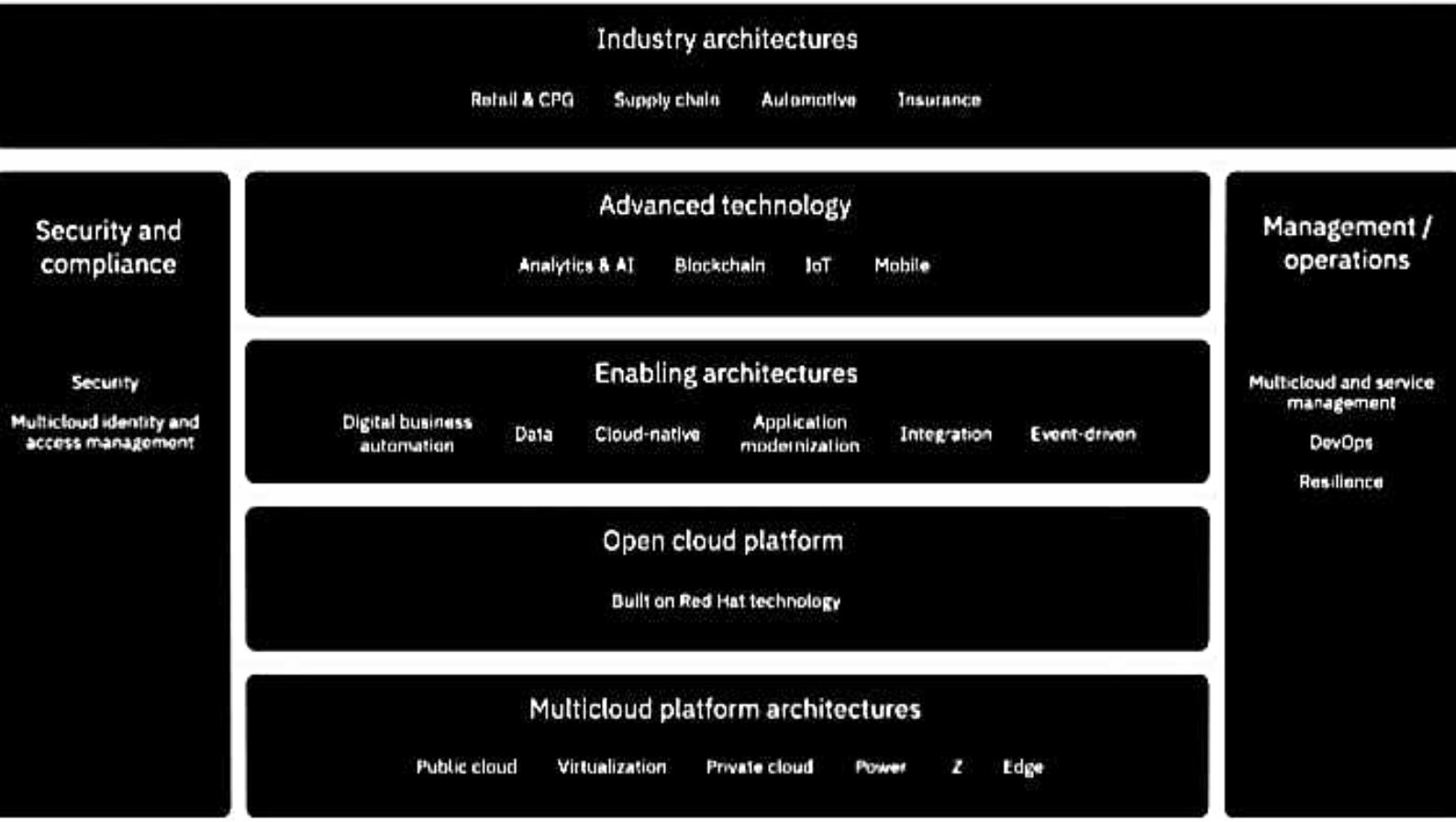
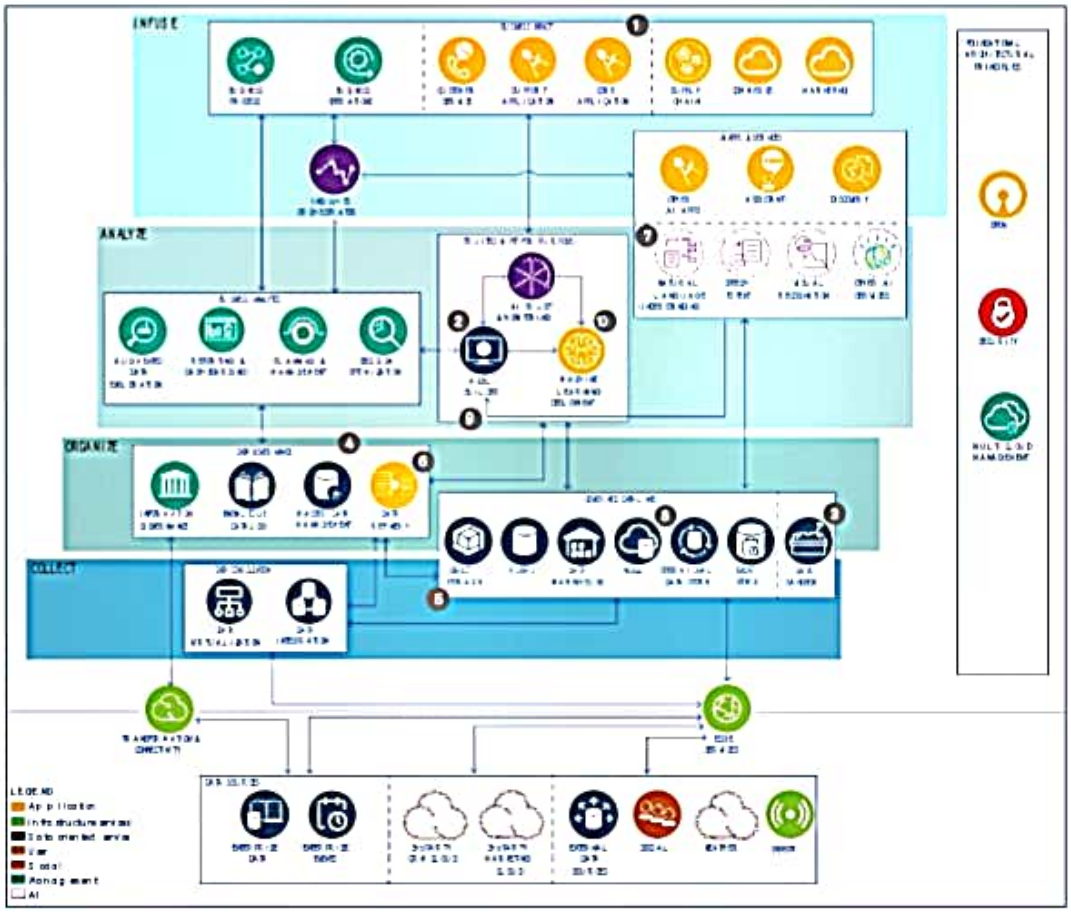
A *reference architecture* documents the best practices to integrate IT services, products, and tools to build a solution. Reference architectures are based on customer use cases and open industry standards. The architectures in the Garage Method for Cloud include IBM Cloud® and other cloud-based implementations that can jump-start application development with features such as AI (IBM Watson®), data and analytics, edge, and Internet of Things. The solutions show how to extend, build, and deploy and manage code samples by using suggested services, toolchains, and tools.

Reference architectures fall into several categories in the IBM Cloud architecture model.

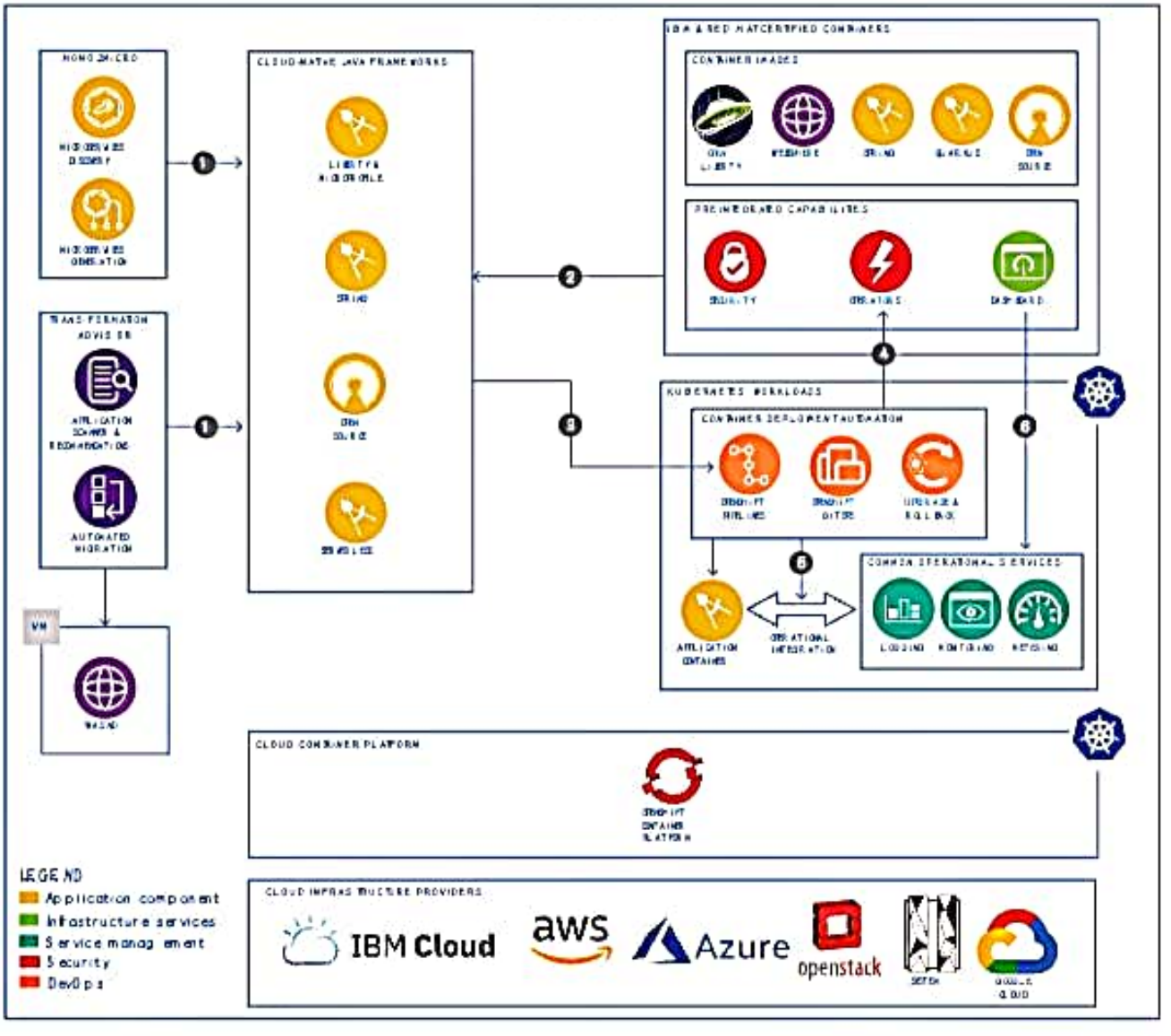

Industry architectures
Retail & CPG
Supply chain
Automotive
Insurance
Security and compliance
Security
Multicloud identity and access management
Advanced technology
Analytics & AI
Blockchain
IoT
Mobile
Enabling architectures
Digital business automation
Data
Cloud-native
Application modernization
Integration
Event-driven
Open cloud platform
Built on Red Hat technology
Multicloud platform architectures
Public cloud
Virtualization
Private cloud
Power
Z
Edge
Management / operations
Multicloud and service management
DevOps
Resilience

architectures

The Data, Analytics and AI architecture explains the notion of the AI ladder, which describes how data must be collected and organized for use in an application. The organized data can be analyzed and infused with AI capabilities that drive new or improved business capabilities. This architecture is deep and has many levels of constituent architectures that provide greater detail for specific parts of the architecture.



The Application modernization architecture describes how to create a modernization strategy. The strategy includes analyzing your current application estate, prioritizing your modernization goals, and building a roadmap to guide the work that it takes to realize your strategy.



The DevOps architecture describes the practices and tools that are needed to implement DevOps practices in the Method, including agile principles, continuous delivery, and operations automation. The DevOps architecture is complex. To help you better understand it, different aspects of the high-level architecture are shown on tabs. For example, one aspect of the DevOps architecture focuses on integration.