BizDevOps Reference Architecture

Terminology

In BizDevOps-RA, having a common and shared terminology is essential to facilitate collaboration and ensure alignment among business, development, and operations teams. This necessity has been recognized in general software development contexts and becomes even more critical within the BizDevOps methodology due to the importance of effectively integrating and coordinating business roles with IT roles. The following terms are central to the BizDevOps methodology.

- **Agile Software Development:** A flexible approach to software development that emphasizes iterative progress and responsiveness to change.

- **Application Component:** An application component represents an encapsulation of application functionality aligned to implementation structure, which is modular and replaceable.

- **Application Data:** Structured information managed by applications, critical for supporting business processes and decision-making.

- **Application Function:** An application function represents automated behavior that can be performed by an application component.

- **Application Service:** An application service represents an explicitly defined exposed application behavior.

- **Architectural Building Blocks:** Core components within the BizDevOps-RA, covering essential requirements across business, application, and technology layers.

- **Backlog:** A prioritized list of requirements or tasks that guide development in agile approaches like DevOps or BizDevOps.

- **Behavioral Elements:** Components that represent dynamic elements like processes and functions within an architecture.

- **Business Need:** Fundamental business objectives and interests that could drive the development of IT solutions. These needs are expressed in terms of business goals and priorities and are subsequently translated into functional and non-functional requirements for software or application systems.

- **Business Object:** A business object represents a concept used within a particular business domain.

- **Business Process:** A business process represents a sequence of business behaviors that achieves a specific result, such as a defined set of products or business services.

- **Business Service:** Services offered by a business to fulfill internal or external client needs.

- **CI/CD (Continuous Integration and Continuous Delivery):** Automated practices for integrating, testing, and deploying code.

- **Continuous Deployment:** Automated release of code to production, enabling rapid feedback cycles.

- **Continuous Improvement:** Iterative process aimed at enhancing processes, services, and products.

- **Driver:** A factor that influences business or technical decisions within BizDevOps.

- **Enterprise Objective:** Organizational goal that drives BizDevOps processes and development efforts.

- **Functional Requirement:** Functional requirements are integral to defining the scope and behavior of the system. They are directly linked to user needs and business objectives, ensuring that the system provides the necessary functionalities to achieve desired outcomes. These requirements often form the basis for system design, development, and testing.

- **Integrated Team:** A team with cross-functional roles, facilitating collaboration across BizDevOps.

- **Internal Agreement:** Agreements within a BizDevOps team to ensure collaboration and alignment of efforts.

- **Minimum Viable Product (MVP):** The simplest functional version of a product, delivered early for feedback.

- **Non-Functional Requirement:** Non-functional requirements are crucial for defining the system's quality and operational attributes. They ensure that the system performs efficiently under various conditions and meets user expectations regarding performance, security, and usability. These requirements are essential for user satisfaction and long-term system sustainability.

- **Product Owner:** A role responsible for defining and communicating product vision to meet business needs.

- **Service Level Agreement (SLA):** A formal agreement on performance and availability expectations for services.

- **Stakeholder:** Individuals or groups with a vested interest in BizDevOps outcomes.