

1 BDA Definition

IT/business alignment is the process of **aligning IT strategies and initiatives** with the **goals and objectives of the business** through clear **linkage and quantifiable measurements** established through business architecture activities. This involves **shifting** from a **technology-centric to a business-centric** approach and working collaboratively with business leaders to determine their needs and goals. To maintain alignment over time, **regular meetings** should be held, and the **future state of business architecture** should be defined at least once a year.

2 Influences

Governance	<ul style="list-style-type: none"> Managing and controlling architectures at an enterprise-wide level, ensuring alignment with the business vision Different isolated levels and practices of governance at different architectural levels & in different areas
Structured Approach	<ul style="list-style-type: none"> Steers consistency and alignment of architecture with business objectives Unclear approach within design phase and technical decisions leads to challenges in implementation and realization of BDA
Skill-Set	<ul style="list-style-type: none"> Good communication skills, business understanding, customer focus, holistic thinking & stakeholder management are crucial Mastering key competencies, DAs improve customer experience, optimize systems, and drive innovation
Collaboration & Team Setup	<ul style="list-style-type: none"> Team should consist of all relevant individuals, including governance team members, subject matter experts, architects and specialists Through collaboration of IT & business, organization achieve a more comprehensive and aligned EA
Guerilla Architecture	<ul style="list-style-type: none"> Emphasizes rapid iteration and agile decision-making to address immediate business needs Operates outside formal EA frameworks, providing a way to drive innovation and respond rapidly to business demands
EA Asset Maturity	<ul style="list-style-type: none"> Early stages: EA assets may be fragmented and unsystematic which could hinder alignment with business objectives As maturity progresses, EA assets become more standardized, integrated, and recognized
Roles & Responsibilities	<ul style="list-style-type: none"> Key Roles within BDA range from the business architect, enterprise architect, domain architect to the solution architect Challenges: potential for unclear understanding or the lack of defined roles within architectural context
Organization	<ul style="list-style-type: none"> Suitable organizational features for implementing BDA such as matrix organizations, agile organizations, product-oriented organizations and Centers of Excellence (CoEs)
Culture	<ul style="list-style-type: none"> Understanding and considering the company's culture can provide advantages to architects Culture of an organization can shape the practice of BDA and EA should reflect and support the organization's overall culture and process

3 Methodology



Based on BDA **influences**, a system was developed to **elaborate necessary and suitable criteria for BDA**



A morphological box **breaks down complex situations** into their constituent parameters or dimensions



It provides a **framework for evaluating and comparing different alternatives** based on predefined criteria



The results in steps 1-3 provide a detailed guide on **how to apply BDA** that can be influenced by nine dimensions

4 Step 1

Consideration of the As-Is and Target State

As-is and target state below

- Morphological box as a basis to **understand and analyze** the **current architecture** of an organization, **existing structures, processes, and technologies**
- By gaining a **clear picture** of how the architecture should ideally be designed, specific **objectives** and **action plans** for BDA implementation can be developed
- This ensures that the implementation of BDA supports the **desired benefits and strategic goals** of the organization

5 Step 2

Allocation to a Scenario

Scenarios on next page

- Instructions for the implementation of BDA are **heavily dependent on organizations circumstances**
- We defined four scenarios which describe typical organizational structures based on the factors of **culture, organization type and approach**, which are difficult to influence
- The scenario which fits best, can be used as **orientation** for the **further BDA implementation**

4 Morphological Box

Scenario	Influence-ability	Approach								
		Internal orientation				External orientation				
		Capability-Based approach	Process-Driven approach		Data-Driven approach	Customer-Driven Approach	Value-Driven Approach			
EA Understanding	Easy	Scenario 3b	Scenario 2		Scenario 2	Scenario 1, Scenario 3a		Scenario 1, Scenario 3a		
EA Governance	Easy	Capability-focused	Business-focused	Process-focused	Data-focused	Business-focused				
EA Community	Easy	Decentral				Federal				
EA Role	Easy to neutral	Role-based communities	Guiding centre of excellence	Specialist-based communities	Specialist-based communities	Guiding centre of excellence		Role-based communities		
Team Setup	Easy to neutral	Connector	Integrator		Translator	Moderator		Integrator & Connector		
Business & EA Collaboration	Easy to neutral	Mix of Business and IT		Central unit only	Mix of Business and IT					
EA Roles & Responsibilities	Easy to neutral	joint requirements gathering	Co-creation during development	Governance and decision-making	Governance and decision-making	Joint requirements gathering	Governance and decision-making		Joint requirements gathering	
EA Skillset	Easy to neutral	Enterprise Architect	Business Architect		Domain Architect	Data Architect	Platform Architect	Project Manager/ Product Owner	Business Architect	Enterprise Architect
Organization Type	Hard	Business-oriented thinking and understanding				(Agile) Project Management Knowledge				Business-Oriented thinking and understanding
Culture	Hard	EA and DA knowledge		Product-oriented				Product-oriented		Product-oriented
		Product-oriented		Product-oriented		Product-oriented				
		Adhocracy culture				Clan culture		Hierarchy culture		Adhocracy culture
		Adhocracy culture				Market culture				

5 Scenarios

Step 2

	Scenario 1	Scenario 2	Scenario 3a	Scenario 3b
Culture	Market culture	Hierarchy culture	Adhocracy culture	Adhocracy culture
Organization Type	Product-oriented or agile organization	Functional-oriented organization	Product-oriented or agile organization	Functional-oriented organization
Approach	Customer-Driven or Value-Driven	Process-Driven or Data-Driven	Customer-Driven or Value-Driven	Capability-Driven
Implications for BDA	Focus on customer via products and services	Focus on data and processes	Focus on agile and customer-oriented structures	Focus on cross-functional integration of flexible, innovative processes

6 Step 3

BDA Roadmap

- For each scenario, an **individual roadmap** and **action statements** for the implementation of BDA in the respective organizational environment were created
- The roadmap is based on the **dimensions** explained in **step 1** and reflects the **order** in which specific recommendations for action are suggested
- The approach under consideration and the **respective target states** are taken into account for each dimension

6 Scenario 1

EA Community

Target State: Guiding Centre of Excellence

- Strengthen **business architecture role** by **defining** and **operationalizing** responsibilities + involvement

EA Skillset

Target State: Agile PM knowledge & business-oriented thinking and understanding

- Collaborative** planning sessions, **incremental** architecture and solution development

Team Setup

Target State: Mix of business & IT

- Define **roles** and **responsibilities**
- Joint committees & boards** and **business & architecture** trainings
- Definition of **common metrics**

EA Understanding

Target State: Business-focused

- Promote business understanding by developing **business knowledge**, participating in **strategy discussions** & fostering **communication**

EA Governance

Target State: Federal

- Harmonize** governance structure by defining **joint guidelines**
- Extract **domain-specific** responsibilities & establish it close to appropriate value chain/domain

Business & EA Collaboration

Target State: Governance and decision-making & co-creation during design and development

- Definition of **common architect. standards** that consider **business** and **technical** requirements

Scenario 2

EA Community

Target State: Guiding Centre of Excellence

- Community canvas**
- Gain **executive support** for the BDA CoE and identify **suitable architects**

EA Understanding

Target State: Data-focused

- Enforce** **respective roles** in business and IT and **establish** **central** units to define standards

EA Governance

Target State: Federal

- Define **overarching EA topics** vs. **domain-specific topics** and define which need **centralized governance**

Business & EA Collaboration

Target State: Governance and decision-making

- Establishing **mechanisms** for **joint decision-making** (workshops, review meetings and joint coordination processes)

EA Role

Target State: Integrator

- Clearly communicate the **EA Integrator role**
- Establish **architecture vision & strategy** based on architecture principles

EA Skillset

Target State: Business-oriented thinking and understanding

- Mixed teams, stages & training** for architects
- Internship, communities, job rotation, coaching

EA Roles & Responsibilities

Target State: Business & data architect

- Define **common goals** for all architects based on the **company's business objectives** and **strategic direction**

Scenario 3a

EA Understanding

Target State: Business-focused

- Create **common understanding** of **architecture** among all stakeholders
- Training with **focus** on **technical aspects** and deep understanding of **customer needs & values**
- Strengthening customer focus by **fostering mindset** with **customer needs**

EA Community

Target State: Guiding Centre of Excellence

- Community canvas**
- Gain **executive support** for the BDA CoE
- Identify **suitable architects** and **experts** as members of the **CoE**
- Establish community with **focus on scaling**

Business & EA Collaboration

Target State: Governance and decision-making & co-creation during design and development

- Interdisciplinary committees** made up of representatives which jointly make governance decisions
- Create acceptance** in decentralized units for central management

Team Setup

Target State: Mix of business and IT

- Define roles & responsibilities**
- Joint committees and boards** incl. decision-making powers and structures within IT delivery processes
- Joint business** and **architecture trainings** and cross-training programs

Scenario 3b

EA Understanding

Target State: Capability-focused

- Capability-based training:** implement accessible training programs on capability-based architecture practices
- Promote business understanding** and **communication** by developing business knowledge

EA Community

Target State: Role-based communities

- Community canvas**
- Gain **executive support** for community
- Identify **suitable architects** **within communities**, considering technical knowledge and business capability expertise in **IT** and especially **architecture**

Business & EA Collaboration

Target State: Governance and decision-making & co-creation during design and development

- Working groups & workshops**
- Use **interactive formats** e.g., design thinking workshops to create a collaborative environment
- Collaborative tools & platforms** to promote collaboration and **visual tools**

Team Setup

Target State: Mix of business and IT

- Define roles & responsibilities** of business and IT, incl. associated responsibilities and tasks
- Diverse** mix of business experts and EA representatives in teams
- Joint committees and boards** incl. corresponding roles, decision-making powers and structures