

Business Context

Digital transformation, data privacy regulations challenges and requirements leveraged by managing meta data with an efficient Enterprise Architecture Repository solution.

With digital transformation strategies to become a data driven enterprise and the data privacy regulations such as GDPR and DSG, business innovation must be supported by ensuring business objectives properly align to IT solutions.

Managing EAR meta data helps to identify new business opportunities as well as data privacy risks.

Organization will need to document how their implementations are working - e.g. which personal data do they have, what's the purpose, who is the owner, what are the retentions?

Enterprise Architecture is one of the most important key enabler of a company's digital transformation and to be compliant with data privacy regulations

- ✓ Centralized repository
- ✓ Improve performance
- ✓ Dynamic models
- ✓ Data quality checks
- ✓ Transparency
- ✓ Flexible Integration
- ✓ Compliant

Solution Vision

Enterprise Architecture with smart.EAR is designed to drive the digital transformation and build a centralized repository with company strategy, business process, information architecture and application design information, in a complex enterprise environment highly efficient and guarantees to be compliant with 100% traceability. But not only that, the use of EBX also allows adjustments by configuration at any time, which are also logged.

With the smart.EAR module all major requirements of enterprise architecture, such as

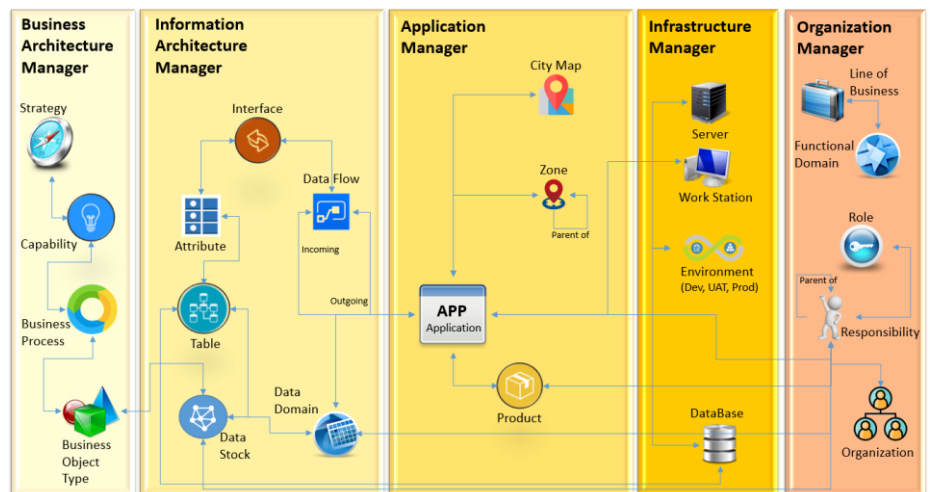
- Define and protocol company's strategy and required capabilities
- Describe the business process and business object types
- Define applications and document software requirements
- Manage data and information with data stocks and flows
- Manage data governance and responsibilities
- Describe infrastructure

can be implemented by using the EAR components:

- Business Architecture Manager
- Information Architecture Manager
- Application Manager
- Infrastructure Manager
- Organisation Manager

Get visibility into your organization: We provide users with the tools to obtain a comprehensive view of their organization, and help them design and implement agile IT systems, streamlined business processes, and optimized operating frameworks aligned with their business strategies.

Solution Architecture



We help align business and IT views of an organization so IT leaders can respond more quickly and deliver greater value to the business. Our solutions help companies capture the business strategy and plan the required business capabilities. They also improve how the business operates by incorporating end-to-end customer experience to business processes. They provide the tools to describe, streamline and transform IT systems, as well as model the three layers of data from conceptual to physical layers.

With our smart.EAR solutions, IT leaders and business stakeholders can ensure that IT governance is a proactive component of the overall enterprise governance. Our solutions use a single repository and advanced collaborative features enabling cross-functional teamwork across the various stakeholders of an organization.

About Butos:

Provides compliance and process consulting, out of the box business solutions powered by EBX and implementation services based on requirements of international enterprises.

About EBX:

Leading master data management (MDM) tool since years of TIBCO (rated by Gartner).

Release Reference: smart.EAR-R1.0.x
October 2018 – Butos AG ©

Component Set*

| Business Architecture Manager (BM) | |
|--|---|
| <ul style="list-style-type: none"> Strategy Capability Business Process Business Object Type | <p>Business Architecture allows you to build and assess the enterprise context in which strategic transformations are to occur.</p> <p>It enables you to define a capability-based planning of the enterprise transformation that integrates your corporate strategy, while adapting to your environment over time.</p> <p>Define the strategy of an organization and align capabilities to strategy:</p> <p>Identify transformation drivers (regulatory, business, and architectural)</p> <p>Identify the resulting transformation objectives and position them in the Enterprise Roadmap</p> <p>Define Strategy and Tactics as part of the Enterprise Roadmap</p> |
| <ul style="list-style-type: none"> Capability | <p>The solution allows you to design capability maps, and conduct capability assessments</p> <p>Map business capabilities, business skills, and functionalities</p> <p>Achieve correspondence between capabilities and business operating model</p> <p>Assess capabilities through standard or custom criteria</p> <p>Define KPIs and identify areas of improvement</p> |
| <ul style="list-style-type: none"> Business Process | <p>The solution allows you to describe business processes, design customer journeys, and build action plans to improve the customer experience.</p> <p>Create and monitor key performance indicators tied to processes, map process models to their associated risks and controls, and create reports to share information across the organization.</p> |
| <ul style="list-style-type: none"> Business Object Types | <p>The solution allows you to design capability maps, and conduct capability assessments</p> |

| Information Architecture Manager (IM) | |
|---|--|
| <ul style="list-style-type: none"> Data Domain Data Stock Attribute Table Data Flow Interface | <p>Information Architecture Manager enables you to model all layers of data, from the conceptual data model to the creation of the physical database through logical data modeling.</p> <p>By using a common vocabulary for data modeling, various stakeholders can share the same level of information and can make collaborative, well-informed decisions about information architecture.</p> <p>It allows you to build data dictionaries, and design data independently of the physical data implementation. You can also define the logical data model structure through the use of class and class view components.</p> <p>You can represent physical data models using relational diagrams and generate SQL codes or reverse-engineer various database formats through intuitive tools.</p> <p>Ensure continuity between information and data using a central repository</p> |

| Application Manager (AM) | |
|--|---|
| <ul style="list-style-type: none"> Application Product City Map Zone | <p>Application Architecture helps you describe the application landscape.</p> <p>At an enterprise level, you can use environment diagrams to represent the main exchanges between applications.</p> <p>At an application level, you can describe applications with scenario diagrams to depict several use cases.</p> <p>You can also design structure diagrams to rationalize how application exchanges are modelled.</p> <p>At a technical level, technical architecture diagrams are available to describe multiple application deployments.</p> |

*More details and feature list will be found in the Component Sheets

Component Set*

| Infrastructure Manager | |
|---|---|
| <ul style="list-style-type: none"> Server Workstation Environment Data Base | <p>Technical Architecture helps you understand the technical infrastructure requirements when deploying new applications.</p> <p>With this feature, you can describe infrastructure diagrams that include items such as IOT devices, servers, software, networks, and facilities.</p> |

| Organization Manager | |
|---|--|
| <ul style="list-style-type: none"> Line of Business Functional Domain Responsibility Role Organization | <p>The solution includes hierarchic models to build consistent representations of the organization in terms of business entities, their relationships, and their lifecycles.</p> <p>Person can be assigned to responsibility and organization.</p> |

| Configuration Manager | |
|---|--|
| <ul style="list-style-type: none"> Workflow Import/Export AD/SSO Custom model | <p>Administrators can update configurations.</p> <p>Required approval workflows can be individually customized according to data governance policies.</p> <p>The smart.EAR standard model can be enhanced with Individual model (attributes and tables) in a custom domain and data space.</p> <p>Data of other design solutions can be integrated with data exchange in the format XML, CSV or XLS.</p> |

*More details and feature list will be found in the Component Sheets of the modules

Roles & Permissions (customization by client needs)

| Role | C | R | U | D | A | M | P | WF ² |
|---------------|----------------|---|----------------|---|---|---|---|-----------------|
| Business User | - | X | - | - | - | - | - | - |
| Data Owner | X | X | X | X | X | - | - | - |
| Product Owner | - | - | - | - | X | - | - | - |
| Data Steward | X ¹ | X | X ¹ | - | - | - | - | - |
| Data Admin | X | X | X | X | - | - | - | X |
| System Admin | X | X | X | X | X | X | X | X |

C=create, R=read, U=update, D=delete, A=approve, M=monitor, P=permission

¹ needs approval of Data Owner

² Workflow configurations

Solution Roadmap (next releases)

- Function and features of Business Architecture Manager for strategy and capabilities.
- Function and features of Infrastructure Manager
- Model, function and feature of Organization Manger for Line of Business and Functional Domain
- Dashboard
- Customizable core model with individual attributes and tables