

Enterprise Architecture

OVERVIEW

Enterprise Architecture (EA) is a business-driven framework that describes and links all of the major components of an organization, including business processes, information, technologies, resources, and strategy. Our approach to EA helps IT leaders identify redundancies, ensure consistency, and pinpoint gaps in the business and IT infrastructure. When coupled with performance metrics, the enterprise architecture becomes a tool through which business and IT leaders can make the organization more efficient and responsive. OmniSolve has received many accolades and awards for its EA work in Federal government agencies.

CHALLENGES

Enterprise Architecture efforts can become monumental and very time intensive. As such, the perception is that EAs produce little value to the organization and are only required to meet an OMB mandate. But EAs can provide value if done correctly. They should be driven by business strategy with an understanding of the business problems at hand. After gaining concurrence on the “broader” agency’s value chains, the EA can be segmented into manageable “chunks” based on business priorities so that EA investments can be identified and provide value to the organization sooner. EA investments can be linked into IT Portfolios and dashboards to show contributions to organizational performance.

APPROACH

We offer a comprehensive EA approach that can be tailored to our customer needs and has been applied successfully for our clients. Our holistic approach to developing an EA includes documenting the value chains of the organization and describing key business opportunities that can help segment the EA based on business priorities.

This approach provides the best chance of success by allowing for incremental, yet timely results, ability to accommodate over time the budget for proposed changes, and ability to assess the success and lessons learned of EA initiatives in moving forward. Prioritizations of EA segments will be based on business needs and strategies that allow for a more focused group of resources to develop solutions that can help improve and enable the most important aspects of business operations. In addition, if our customers feel that there are improvements that need to be made to their governance structure and process, EA tools, and repository version control, our team can assist in providing advice, recommendations, and consultative support for EA tool evaluation. The figure below summarizes our approach to EA.

1) Develop and Maintain EA

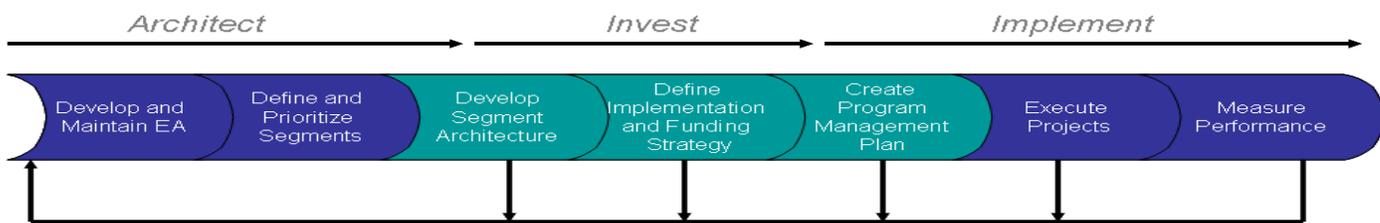
The “as is” state should be continuously updated for the purpose of sequence planning to reflect the current business and technology environment. The “to be”, state should be evaluated and maintained to reflect future changes to the business and technology environment such as changes to business strategy, policy, technology standards, etc.

2) Define and Prioritize Segments

EA can be segmented and based on the defined and agreed upon value chain activities. Segmenting the EA into meaningful business activities allows for prioritization and delivery of manageable “chunks” of the architecture. Prioritizing EA segments starts by evaluating areas of the EA that contribute most to your agency’s bottom line and directly links to your business strategy and performance plans.

CLIENT BENEFITS

- *Talented, experienced, highly trained consultants with a strong focus on teamwork and quality*
- *In-depth experience in business processes and requirements analysis to ensure solutions conform to customer needs*
- *Strong architectural support and expertise available to the project team*
- *Industry proven software development methodology and availability of reusable assets that can help jump start projects rapidly*
- *Knowledge and experience with large scale, mission critical, complex application development projects*
- *Knowledge and experience with solutions that meet aggressive performance targets and strict security requirements*
- *Results oriented approach demonstrated by successful past performances*



APPROACH – continued

It includes industry “best practices” and “performance benchmarks”. Segmenting your EA will ensure that:

- increased EA capabilities are built in areas that matter most to your customers and managers,
- EA resources are aligned with organizational priorities, and
- You do not lose sight of the results EA is trying to achieve no matter how complex the your operational model becomes

3) Develop Segment Architecture

As segments are defined and prioritized, the four layers of the architecture are developed:

1. **Business**
2. **Data**
3. **Application**
4. **Technology-Inclusive of Security and Infrastructure**

A critical focus on the architecture is to identify reusable services to reduce maintenance cost and provide common rules processing.

These activities will be done iteratively based on prioritized EA segment and will consist of, but are not limited to:

- Business Process designs (based on prioritized EA segment)
- Alignment of existing applications to business processes including an assessment of it’s modularity, reusability, maintainability, and interoperability
- Identification of core IT capabilities necessary to support the business area
- Identification and definition of required service-components to support the business area

These activities will be done in a holistic fashion across EA segments so that you build an infrastructure that can address interim needs as EA segments are implemented as well as one that is agile across all EA segments.

- Comparison analysis of distributed architecture frameworks
- Documentation of the agency’s Technology Reference Model

4) Define Implementation and Funding Strategy

Our team will work with your agency to develop a gap analysis, alternatives of analysis and business case, We can assist you in getting management agreement on best alternative, and providing funding information for the Capital Planning, Investment and Control (CPIC) process.

5) Create Program Management Plan

Our team will work with the application development, infrastructure, security, and IV&V teams in a collaborative fashion to develop a program plan and help track EA initiatives. We can setup an EA dashboard for improved management visibility into program progress of IT projects, issues, and risks.

6) Execute Projects

Our team has successfully managed and implemented IT projects for our customers on time and within budget. We are skilled in managing schedules, budget, and resources.

7) Measure Performance

Once IT projects are implemented, it is important to track success based on measures identified in the business case. We will collaboratively work with your agency to assist in post-implementation reviews of your IT projects.

EXPERIENCE

Our team has been instrumental in the development of EAs for several of our federal and private sector clients and has actively participated in review and feedback on the FEA Reference Models. The follow reflects some of our past performance within our Enterprise Architecture Service Offering:

- **One GSA EA**
Development of 9 GSA value chains and identification and drill down into EA segments using model driven architecture (MDA) approach. The EA segments included Contract Writing EA (CWEA), Financial Management EA (FMEA) and Human Resources EA (HREA).
- **PBS Enterprise Architecture**
Development and maintenance of “as is” EA, governance, and repository management process, and approach and plan for developing the “to be” EA.

COMPLEMENTARY SERVICE OFFERINGS

Other services offered by OmniSolve that complement this offering:

- **Service Oriented Architecture (SOA)**
- **Business Process Improvement**
- **Project Management and Implementation**
- **Quality Assurance and IV&V**
- **IT Portfolio Management**
- **Performance Management**

For further information about the material presented in this document, or to arrange a consultation, please contact:

METHODOLOGY HIGHLIGHTS

- **Industry proven, iterative software development process framework and methodology based on Rational Unified Process (RUP)**
- **Use of reusable assets to jump start projects**
- **Comprehensive task planning and coordination for all phases of SDLC**
- **Tight oversight and control to ensure projects remain on schedule, on budget, and deliverables are high quality and to the customer’s satisfaction**
- **Technical architecture oversight well integrated into SDLC**
- **Quality Management Plan tightly coupled with application development**
- **Strong configuration management processes**
- **One stop shop inclusive of complimentary services offered in Service Oriented Architecture, Application Integration, Project Management, and Quality Assurance and IV&V**