ArchiTech Consulting LLC

Foundation-Based Approach for the Evolution of IT Enabled Business

This Foundation-Based Approach focuses on consolidating organizational core capabilities and reducing complexity associated with IT. It maximizes benefits and flexibility for new technology insertion and business change adoption. An Enterprise Foundation Framework$^{©}$ serves as the guidance.

Big change is ahead of us after the current economic downturn. Businesses and governments are adopting SOA and cloud computing, which implies a paradigm shift in how IT can impact business opportunities, performance, processes, and organization dynamics. Businesses increasingly rely upon IT to achieve its goals and to implement its strategies. With technologies and products of many generations, and with stove-piped implementations, current IT complexity is growing faster than ever in replying to the required changes and integrations. IT costs are increasing exponentially. Enterprise architecture, SOA, and Cloud Computing are aimed at meeting these challenges. Our service is to use a *Foundation-Based Approach* with a guidance framework to provide a cohesive integration of EA, SOA, and Cloud efforts. This solution will be essential in providing a disciplined and systematical way to achieve the modernization and evolution objectives for IT enables businesses.

For instance, cloud computing will contribute to the content of Enterprise Architecture, but will not change the way how enterprise architecture should be approached and adopted. Cloud computing is not a new technology, but suitable new technologies can help cloud computing to be more effective and efficient. While cloud computing may be over stated with its indirect influences during the hype, it is a practical implementation mechanism for Service Oriented Infrastructure, which is a subset for Service Oriented Architecture adoption. Business advantages are gained mainly via Service Orientation, i.e. common service sharing in many different ways. Our service will clear the road, and enable our clients to move forward in a more effective and efficient manner.

Please contact us if you are interested: service@architechllc.com

About the Company
ArchiTech is a boutique architecture firm that provides consulting, R&D, and training services to IT enabled enterprises and businesses. It was founded in 2002 by Dr. Yan Zhao for independent consulting service, until recently is reformed with partners of top-skilled professionals. ArchiTech Consulting LLC qualifies as a woman-owned and minority-owned disadvantaged small business.

Bio of Dr. Yan Zhao
Dr. Zhao has over 20 years work experience across academia, corporate research, software industry, and consulting services, with 16 years architectural leadership experience in IT strategic planning, enterprise architecture, solutions, system and software architecture, enterprise system modernization, and technology creations. 6 patents granted, 4 patents pending, and a number of technical publications and presentations. She received a Ph.D in Computer Science and a Master in Mathematics from Arizona State University; and a M.S in Computer Engineering, a B.S in Computer & Telecommunications from Beijing University of Posts & Telecommunications.

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Elaboration of Selected Components in the Enterprise Foundation Framework©

Components	Comments	Benefits
Enterprise Architecture for Planning	Enterprise architecture is an important planning, knowledge sharing, and communication tool to form consistent views inside enterprise, so to eliminate stovepipes and duplicated efforts, and to discover simplification and optimization opportunities. In the Enterprise Foundation Framework©, It guides the component executions in other categories.	• Share common vision and views • Reduce duplicated efforts • Identify simplification, optimization, and cost cutting opportunities • Help to align business and IT • Make informative decisions
Service Oriented Architecture for Systems	SOA is an approach that is characterized as and can take advantages from loosely coupled common and sharable services. It moves business and IT to an integrated new paradigm with great potentials for cost reduction and common services commoditization.	• Provide flexibility in business process improvement • Reuse and leverage existing assets • Common infrastructure as a commodity • Reduce software development and maintenance cost • Risk mitigation
Cloud Computing for Systems	Could Computing is a technical implementation of Service Oriented Infrastructure that applies SOA concept to IT infrastructure service domain. It shares the same benefits as identified for SOA implementation in general.	• **Reduce resource and cost** for individual IT infrastructure implementation and maintenance • **Cutting cost** and **ease implementation** with common service commoditization in platforms and software needs • **Scale up and down** easily with elastic resource pool • Enable skilled practitioners to provide high-quality common services, so to increase **quality of services**
Governance	Governance needs to be practiced consistently across categories and components. There should be a cohesive structure and practice mechanism in each organization across corporate governance, enterprise architecture governance, IT governance, and service governance.	• Ensure achieving intended objectives with measurable performance along the way • Ensure processes and executions are aligned with objectives • Identify risks and enable risk mitigations in time • Provide stability and overcome limitations
Security	Although security is one of the top concerns in Internet connected world, especially for cloud computing adoption, its implementation has to be based on specific foundation established in each environment. Otherwise, we can only talk about security technologies, but not really about practical solutions.	• Ensure assets and environment protection • Reduce risk • Ensure trust and reliability • Ensure performance against intrusion

To learn more, visit http://www.architechllc.com or email: service@architechllc.com, phone: 703-408-1339