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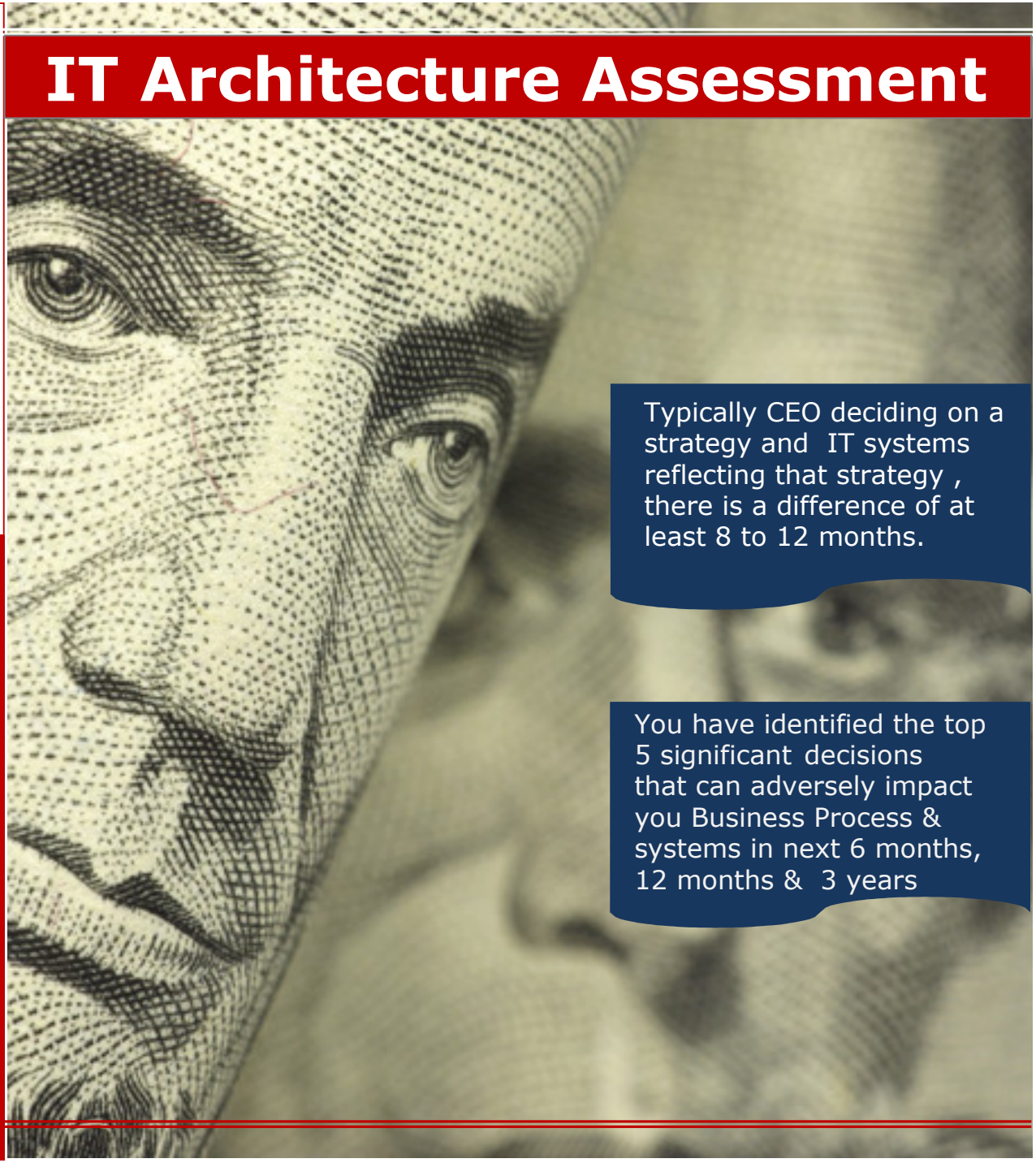
IT Architecture Assessment



Typically CEO deciding on a strategy and IT systems reflecting that strategy , there is a difference of at least 8 to 12 months.

You have identified the top 5 significant decisions that can adversely impact you Business Process & systems in next 6 months, 12 months & 3 years

Types of Architecture Assessment Service - sample

1. Functionality, Extensibility, Maintainability emphasizing client	Assessment to focus if Software Applications designed to fulfill business requirements and maximize the efficiency and effectiveness of business functions with the ability to scale and adapt as business requirements change and expand
2. Technology independence and use of non-proprietary technologies	Addresses interoperability, portability, and integration across platforms utilizing open and/or de-facto standard protocols, programming languages, middleware, development tools, databases, utilities, etc.
3. Integration Readiness - exchange of information with other software	Assess if systems/s utilizes common, standard interfaces and/or middleware having the ability to interoperate and integrate with other software without requiring custom programming or intermediate, interface-specific applications.
4. Infrastructure Utilization - ability to maximize (take full advantage of) available Network, Security,	Assessment to check the capability to conform to, and adhere to, the standards and best practices delineated in the domain architectures without requiring substantial modifications.
5.Quality of Service (QoS)	Assessment based on 19 QoS characteristics such as Usability, Reliability (Accuracy, Availability, Recoverability), Performance

Architecture Artifacts - Mining Efforts

	DATA What	FUNCTION How	NETWORK Where	PEOPLE Who	TIME When	MOTIVATION Why
Strategy Models	Products Services Business Objects Candidate Entities	Business Functions Core Business Processes Process Threads	Business Locations	Organizational Units Suppliers Customers Competitors Roles	Major Business Events Major Business Results	Business Enterprise Direction Business Profile Business Objectives Requirements (Business)
Business Models	Conceptual Data Model Process Hierarchy	Process: BPMN Diagram Process Decomp Interrelations: Relationship Map	Business Concept Diagram	Organization Chart and Decision Chart and BPMN Diagram (swimlanes) or	Process Events	Requirements (Enterprise)
System Model	Logical Data Model or UML Class Diagram	Composite Structure Diagrams Use Case Diagram Data Flow System Architecture System Context	UML Component Diagram System Area Map	UML Use Case Diagram	Data Flow Timing Diagram	Requirements (System) Test Plan (System)
Technology Model	UML Class Diagram or Physical Data Model	UML Class Diagram Structure Chart System/Subsystem Structure UML Activity Diagram	UML Deployment Diagram Network Concept Diagram	Graphic Screen Diagram Menu Diagram Character Screen Diagram	UML Sequence Diagram UML Collaboration Diagram UML State Diagram State Transition	Requirements (Technology) Test Plan (Technology)
Implementation Models	Database Schema	Code		Screen and Menu Code		

Key deliverables of architecture assessment

1	***Architecture Mining-*** *understanding the architecture overview* **TEMPLATE :**(PowerPoint format, Excel, UMLModels, MSWord, BPMN models etc..)
2	***QoS Model –*** *understanding the various quality of service context, quantification & engineering mechanism* **TEMPLATE :**(PowerPoint format, Excel, UMLModels, MSWord, BPMN models etc..)
3	***Business and Stakeholder Interaction Log –*** Log of each stakeholder contacted, what was discussed **TEMPLATE** : (Excel format)
4	***Preliminary Findings and Prioritized Recommendations Presentation for prototype*** – presentation outlining the findings, prioritize one of the key problem area and recommendations. **TEMPLATE :**(PowerPoint format)
5	***Feedback Tracking Spreadsheet –*** An Excel Spreadsheet that tracks any feedback received. **TEMPLATE :** Excel format
6	***Draft Architectural Migration Plan*** – **TEMPLATE** : (MSWord format)
7	***Draft Architectural Migration presentation for Management –*** Briefing document giving overview of findings and recommendations **TEMPLATE :** (PowerPoint format)

Assessment engagement model