The Business Transformation Framework and Enterprise Architecture Framework for Managers in Business Innovation

The role of legacy processes in automated business environments

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Introduction

- **There is a need for specific pattern for an accounting automation strategy that depends on measurable factors.**

- **Today many finance and accounting automation concepts exist and they are very advanced. Such a concept can support the e-business transformation process of the traditional business environment through the automation of all financial operations and the related accounting processes.**

- **The proposed set of e-business managerial recommendations that can be used by e-business and enterprise architects, supports a holistic view on delivering a global audit that links finance, accountancy, business engineering…**

An Automated Accounting Pattern

- **This article is a part of a long series of articles related to business transformation projects (BTP) and Enterprise Architecture (EA) that deal with the various aspects of frequent transformational changes.**

- **The implementation of such BTPs' Automated Accounting Pattern (AAP) requires the interaction of multiple business disciplines and fields of technology with the standardized methodologies.**

- Concerned fields that combine frameworks and specialized knowledge from: 1) computer science fields; 2) quantitative sciences and statistics; 3) qualitative heuristics; 4) micro and macroeconomics; 5) enterprise financial governance; 6) e-law; 7) internet related technologies; 8) real-time knowledge exchange with financial institutions; 9) accounting information system; and 10) many other applied mathematics fields.

Constructs

- Critical Success Area (CSA) is a category of Critical Success Factors (CSF) where in turn a CSF is a set of Key Performance Indicators (KPIs), where a KPI corresponds to a single requirement.

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- Accounting pattern global strategy

- Extreme or intelligent flexibility can be achieved by the application of a holistic antifragility concept.

- (e)accounting and (e)business law relationship

- Anti-locked-in strategy

Accounting pattern global strategy critical success factors

Critical Success Factors	KPIs	Weightings
CSF_AccountingPatternStrategy_TheEnvironmentSetup	Stable ▼	From 1 to 10. 10 Selected
CSF_AccountingPatternStrategy_SettingupGlobakStrategy	Set&Ready ▼	From 1 to 10. 07 Selected
CSF_AccountingPatternStrategy_AntiLockedinConcept	Controlled ▼	From 1 to 10. 10 Selected
CSF_AccountingPatternStrategy_AutomatedProcessIntegration	Ongoing ▼	From 1 to 10. 04 Selected

Accounting pattern underlying technology management

- Standards

- Architectural concept

- The accounting information system and its integration

- Resources Mapping

- Legal integration

Accounting pattern underlying technology success factors

Critical Success Factors	KPIs	Weightings
CSF_AccountingPatternTechMng_MappingOrientedSystem	Installed ▼	From 1 to 10. 08 Selected
CSF_AccountingPatternTechMng_AccountingInformationSystem	Integrated ▼	From 1 to 10. 07 Selected
CSF_AccountingPatternTechMng_FinanceLegalIntegration	Activated ▼	From 1 to 10. 04 Selected

Accounting system architecture and infrastructure

- The unbundling process
- Accounting and the role of standards
- Automated accounting service's granularity
- Accounting services' architecture
- A unified control and logging subsystem
- Decision trace store and logs
- Neural networks oriented system
- The accounting and finance microartefact

Accounting pattern underlying architecture and infrastructure critical success factors

Critical Success Factors	KPIs	Weightings
CSF_AccountingSystemArchInf_UnbundlingProcessStatus	Started	From 1 to 10. **10 Selected**
CSF_AccountingSystemArchInf_HolisticAgileView	Established	From 1 to 10. **05 Selected**
CSF_AccountingSystemArchInf_RoleOfStandards	Partial	From 1 to 10. **07 Selected**
CSF_AccountingSystemArchInf_AutomatedServiceGranularity	Unsufficeient	From 1 to 10. **04 Selected**
CSF_AccountingSystemArchInf_LoggingSystem	Unified	From 1 to 10. **09 Selected**
CSF_AccountingSystemArchInf_AutomatedServiceLifeCycle	DevOns	From 1 to 10. **08 Selected**
CSF_AccountingSystemArchInf_ADM	TOGAF	From 1 to 10. **09 Selected**

Conclusion 1/3

- The proof of concept was built using the Environment that has been built using the Microsoft Visual Studio .NET development environment; the proof of concept is based on the CSFs' and KPI indicators binding to a requirement,

- The initial values have been presented in this article in tables 1 to 3. Critical success factors' indicators bind requirements to various legal acts, frameworks, standards, rules and service agreements; they can be selected from the Environment's widget.

- The decision-making system provides that the environment must define a setup phase if the budget permits, otherwise just ignore this phase.

Conclusion 2/3

- **To design and implement an adequate AAP component: for business transformation project, there is a need to implement a decision system that can be easily integrated with any framework or tool.**

- **Accounting intelligence, decision making module and critical success factors: The decision-making module uses the BTP's logging system's database.**

- **Implement a global financial subsystem's approach for the control of financial transactions similar to the AAP component via the use of microartefacts.**

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Conclusion 3/3

- **Implement Critical Success Areas (CSA) that is a category of Critical Success Factors (CSF) strategy where in turn a CSF is a set of Key Performance Indicators (KPI).**

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- **Application of the antifragility concept can help in having a holistic and broad guide to non-predictive decision making operations under uncertainty.**

- **An AAP-like component must be implemented in-house to interface it with the *Environment's* decision making module and logs.**

- **The business environment must choose a currency strategy to be used in its financial (e)transactions.**