

THE PROPOSED SOLUTION

The approach to managing such temporalities is based on three basic concepts:

1. **Temporarily acceptable solution** — accounts for the pieces of the IS environment where some constraining factor or discovered inefficiency has been located, usually resulting from factors external to IT
2. **Refactoring need** — should be considered as a recognized method for healing some (recognized or not yet uncovered) temporarily acceptable solutions, partially or in their entirety
3. **Refactoring needs map** — embodies the relations among temporarily acceptable solutions, refactoring needs, and elements of enterprise architecture

The concepts of the temporarily acceptable solution, refactoring need, and refactoring needs map can be utilized in the following areas related to technology management:

- **Enterprise architecture management** — scoping of architecture work, development of architecture changes, assessing architecture
- **Project scope elaboration** — development of project's feasibility study, assessment of technical risk included in solution under study, project tradeoffs valuation
- **Release management** — determining schedule for changes to be implemented, assessing work to be done to fulfill the requirements, synchronizing changes' deliveries
- **Software development** — detection of temporalities or constraints and their registration, determination of optimal resolution for temporalities, optimization of refactoring effort

CONCLUSION

Various benefits can be achieved by accepting such an approach to recognizing and handling temporalities. Due to the visibility and comprehension of the complexity rooted in technology and its utilization, the level of trust between IT and businesspeople tends to grow. Registering temporarily acceptable solutions and refactoring needs builds awareness of technical risks and constraints embedded in the IS environment and gives some idea of the implementation problems that must be addressed. This in turn gives more confidence to budget planning and work scheduling or leveling. In conjunction with refactoring needs, enterprise architecture brings more value not only to big IT-enabled projects being implemented but to the change management discipline as well. In combination with agile methods applied to software development, it is possible to achieve much wiser control over the quality of software being developed.

The concepts' acceptance among business representatives is usually amazingly easy. The way of thinking about temporalities is quite natural for them, as they've gotten used to dealing with such circumstances in their everyday work — today's business is founded on temporalities. Some difficulties, however, could be experienced during the start of the capturing processes; it could be difficult to convince IT people to spend a bit of time doing something they perceive to be purely administrative work.

The report presents the possible and validated way of having agile development processes efficiently coexisting and cooperating with the enterprise architecture and other technology management processes being utilized in the organization.



About the Service

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